

# About the User Guide

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In the User Guide, most operation descriptions are based on the handset at time of purchase.

Unless noted otherwise, descriptions are for Home Screen (Home). Some operation descriptions may be omitted.

The information in the User Guide is subject to change without prior notice.

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↓ [Before Using This Product](#)

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↓ [Data Communication](#)

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↓ [Screenshots & Key Labels](#)

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## Before Using This Product

Read "Safety Precautions" thoroughly beforehand for proper usage.

Accessible services may be limited by subscription contract conditions.

## Data Communication

- Handset is designed to be always connected to the Internet. Communication is initiated automatically for some functions such as data syncing.
- Large-volume data communication, such as downloading applications and viewing videos, incurs expensive transmission fees. Subscription to a flat-rate plan is strongly recommended.
- Even if connected by Wi-Fi, some applications and services incur transmission fees.

## Screenshots & Key Labels

Screenshots in the User Guide may differ in appearance with actual Display. Key labels in the User Guide are simplified for description purposes and differ with actual Display.



## Other Notations

In the User Guide, the product is referred to as "handset."

microSD™/microSDHC™/microSDXC™ Card is referred to as "SD Card."

"LP-01" here refers to this mobile phone "Leitz Phone 1."



# Package Contents

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↓ [Package Contents](#)

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## Package Contents

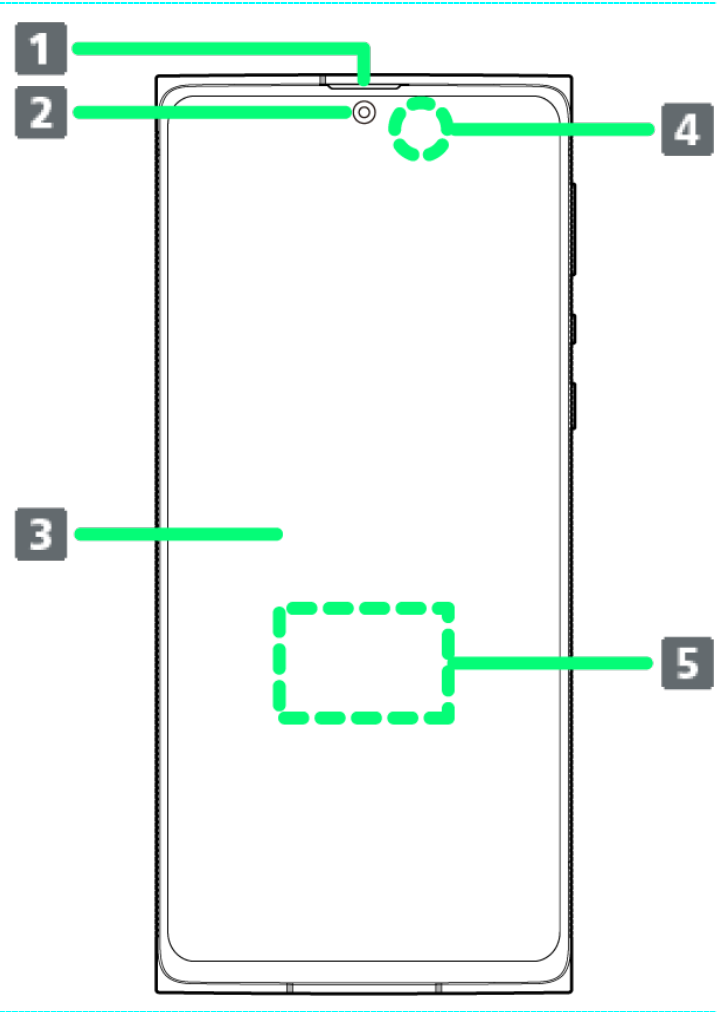
- Handset (Leitz Phone 1)
  - Battery is built into handset.
  - Handset back cover is not removable.
- Quick Switch Adapter (Complimentary sample)
- SIM Removal Tool (Complimentary sample)
- Case (Complimentary sample)
- Lens Cap (Complimentary sample)
- クイックスタート (Japanese)
- お願いとご注意 (Japanese)



# Parts & Functions

- ↓ Handset (Front)
- ↓ Handset (Back and Sides)
- ↓ Handset Keys

## Handset (Front)

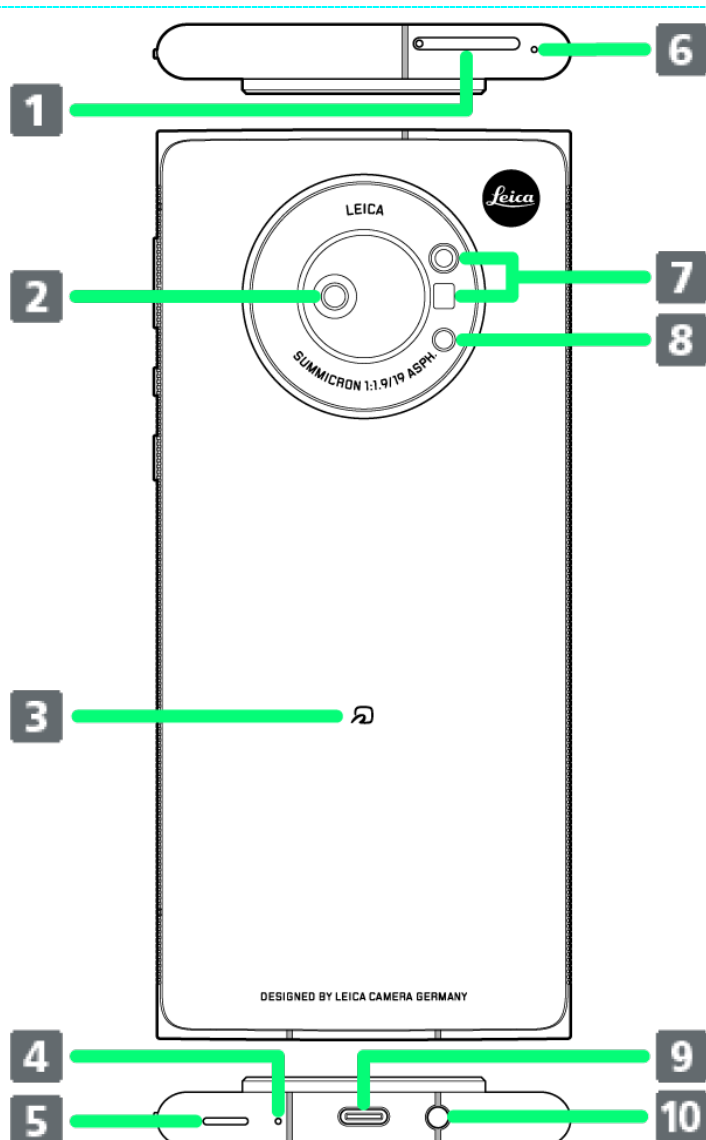


Name	Description
1 Earpiece/Speaker	Hear the other party's voice here.
2 Front Camera	Use to shoot photos or videos of yourself.
3 Display	Touchscreen-type display; operate with your fingers on Display.
4 Proximity/Light Sensor <sup>1</sup>	Proximity Sensor prevents Touchscreen misoperation during calls. Light Sensor adjusts Display brightness according to ambient light.
5 Fingerprint Sensor <sup>1</sup>	Use fingerprint authentication to unlock screen.

1 Do not apply stickers or other coverings over the sensors.



# Handset (Back and Sides)

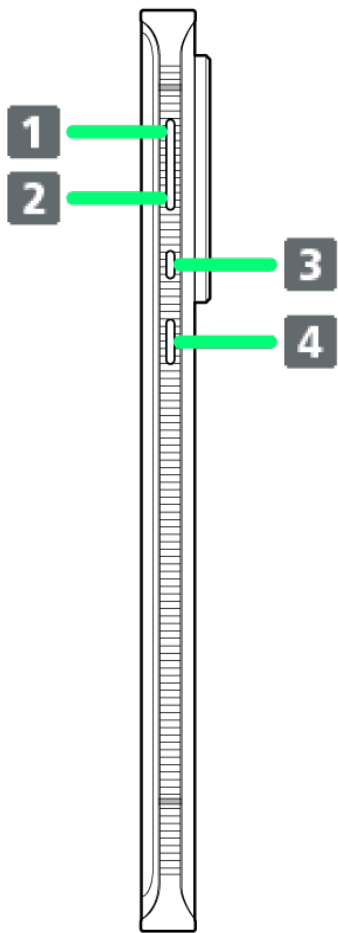


Name	Description
<b>1 Card Tray</b>	Insert/remove SD Card and SIM Card.
<b>2 Standard Camera</b>	Capture photos and videos.
<b>3 FeliCa mark</b>	Hold up to reader/writer to use NFC/Osaifu-Keitai®.
<b>4 Mic/Recorder Mic</b>	Talk to the other party here. Also use while recording videos or when talking to emopa. Make sure not to cover Mic/Recorder Mic.
<b>5 Speaker</b>	Listen to music, video sound, etc.
<b>6 Mic</b>	Use while recording videos or when talking through Speakerphone. Make sure not to cover Mic.
<b>7 ToF (Time-of-Flight) Camera</b>	Depth-sensing camera for realistic bokeh softfocusing and enhanced AR experience.
<b>8 Mobile Light</b>	Use as a camera flash, flashlight, etc.
<b>9 External Connection Jack</b>	Connect USB Type-C™ plug such as AC adapter.
<b>10 Earphones-Microphone Jack</b>	Connect stereo earphones with mic



(commercially available) here.

# Handset Keys



Name	Description
<b>1 Volume Up Key</b>	Increase volume.
<b>2 Volume Down Key</b>	Decrease volume.
<b>3 Assistant Key</b>	Trigger Google Assistant™. Also set preferred Assistant application. <sup>1</sup>
<b>4 Power Key</b>	Turn Display off/on. Long Press for power on/off or reboot, or activate a set application. <sup>2</sup>

- 1 See "Assistant Key Settings" for details.
- 2 Also set whether to activate Camera by pressing Power Key twice. See "Convenient Operation Settings" for details.



# SIM Card

SIM Card is an IC card containing phone number and other customer information.

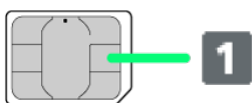
↓ [Inserting SIM Card](#)

↓ [Removing SIM Card](#)



## Handling SIM Card

Check the following regarding SIM Card handling.



### ① IC (gold) chip

- For SIM Card handling, see SoftBank Website.  
<https://www.softbank.jp/mobile/support/protect/usim/> (Japanese)
- Avoid applying labels. May damage SIM Card.
- SIM is replaceable (at cost) in case of loss/damage.
- Wipe clean with a dry, soft cloth.
- Always keep the IC (gold) chip clean.



## SIM Card Cautions

Observe the following when using SIM Card.

- Within Japan, SIM Card must be installed to make emergency calls (110, 119, 118).
- Always follow emergency procedures to suspend service if your SIM Card or handset (SIM Card inserted) is lost/stolen. For details, contact Customer Service.
- Customer is responsible for any damage caused by inserting SIM Card in an other-brand IC card reader, etc. SoftBank Corp. is not responsible in such case.
- It is recommended that you back up information that is saved on SIM Card. SoftBank Corp. is not responsible for damages from saved information that is lost.
- Always power off handset before inserting/removing SIM Card.
- Note that SIM Card specifications and performance may change without notice.
- Return SIM Card to SoftBank Corp. when canceling subscription.
- SIM Card is the property of SoftBank Corp.
- Returned SIM Cards are recycled for environmental purposes.
- Some services, functions, etc. may have restrictions when an other-carrier SIM card is used.  
SoftBank Corp. does not guarantee operation whatsoever.



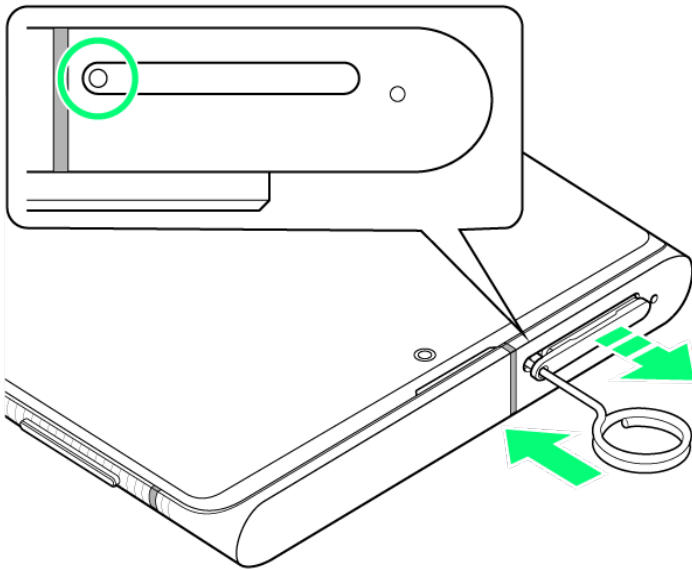
# Inserting SIM Card

Always power off beforehand.

- Set SIM Card in Card Tray beforehand. Do not insert SIM Card without setting it in Card Tray.

1

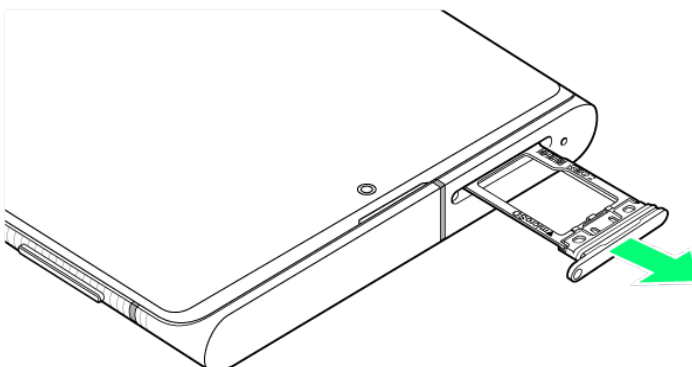
With Display upward, insert SIM Removal Tool in removal hole in Card Tray



- Press firmly and straight until Card Tray ejects.

2

Pull out Card Tray

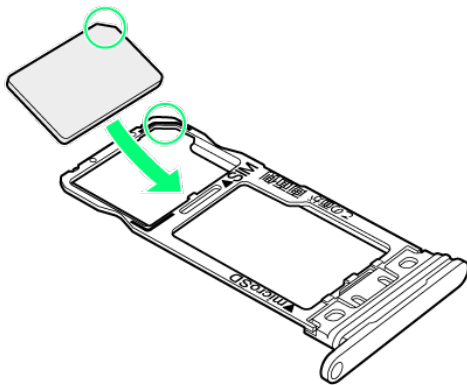




- With Display upward, pull out Card Tray. Pulling out Card Tray with Display downward or handset held upright can allow SIM Card and SD Card to fall from Card Tray and become misplaced.
- Do not pull Card Tray forcefully or at an angle; damage may result. Gently pull Card Tray out horizontally.

3

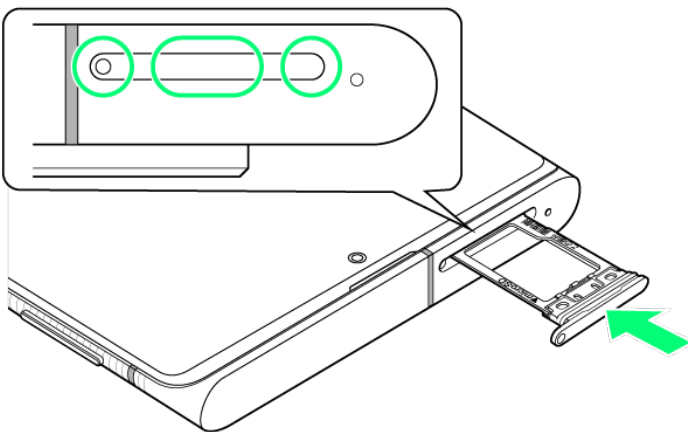
### Set SIM Card in Card Tray




- Place gently, noting orientation of SIM Card (notch/IC (gold) chip facing down).
- Make sure SIM Card is in Card Tray. Inserting Card Tray with SIM Card on its edge may cause damage.

4

### Insert Card Tray in SIM/SD Card Slot



 SIM Card is inserted.



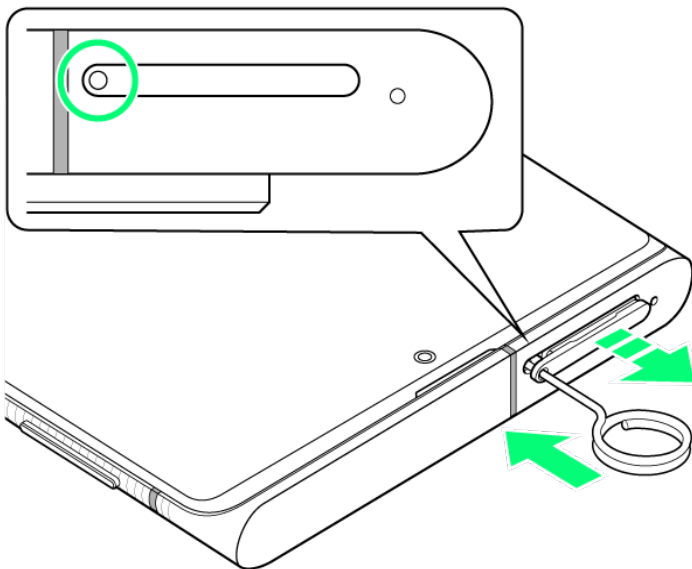
- Do not insert Card Tray upside down.
- Insert gently all the way horizontally in direction shown.
- Push Card Tray firmly where circled (○) so that there is no gap between handset and Card Tray.
- To maintain water and dust resistance, use handset with Card Tray completely closed.

## Removing SIM Card

Always power off beforehand.

1

With Display upward, insert SIM Removal Tool in removal hole in Card Tray

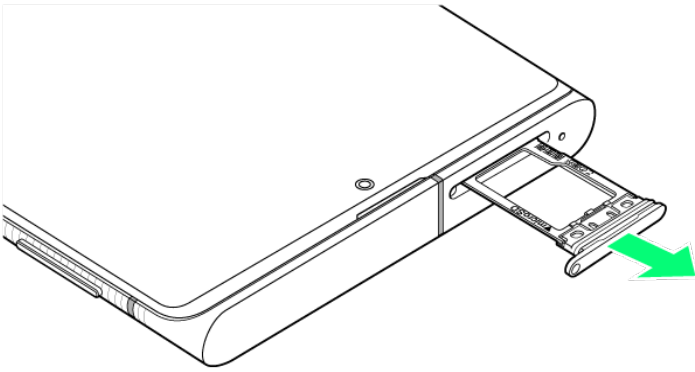


- Press firmly and straight until Card Tray ejects.

2

Pull out Card Tray



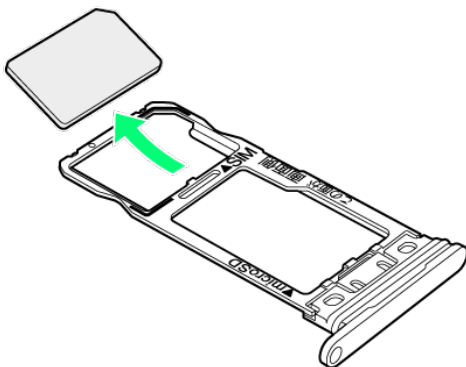


- With Display upward, pull out Card Tray. Pulling out Card Tray with Display downward or handset held upright can allow SIM Card and SD Card to fall from Card Tray and become misplaced.
- Do not pull Card Tray forcefully or at an angle; damage may result. Gently pull Card Tray out horizontally.

### 3

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#### Remove SIM Card

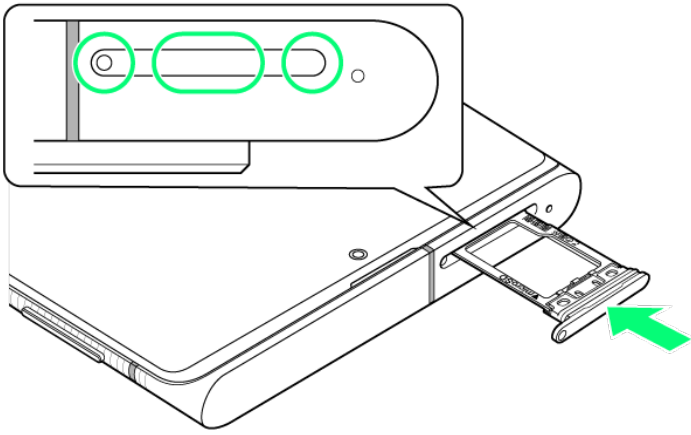



### 4

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#### Insert Card Tray in SIM/SD Card Slot





 SIM Card is removed.

- Do not insert Card Tray upside down.
- Insert gently all the way horizontally in direction shown.
- Push Card Tray firmly where circled (○) so that there is no gap between handset and Card Tray.
- To maintain water and dust resistance, use handset with Card Tray completely closed.



# Internal Storage and SD Card

Handset supports SD Card up to 1 TB. Some SD Cards may not operate properly. Internal storage can be used for saving data including system data, applications, and video and photos taken with Camera.

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↓ [Inserting SD Card](#)

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↓ [Formatting SD Card](#)

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↓ [Unmounting SD Card](#)

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↓ [Removing SD Card](#)

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## Organizing photos shot on your previous model

Inserting SD Card containing saved photos or videos that were shot on a previous model may cause **Sort images in SD card** to appear.

Tap **CHECK START**.

■ Tap **CHECK START** to optimize viewing of file names, etc. in  (Photos).

## Internal Storage/SD Card Cautions

### Data on Internal Storage/SD Card

Data on internal storage/SD Card may be lost/altered due to accidents, malfunctions, repairs, handset upgrade/replacement, mishandling, etc. Back up important data regularly. SoftBank Corp. is not liable for any damages resulting from loss/alteration of data.

- Do not insert or remove SD Card forcefully.
- Do not touch terminals or expose them to metal objects.
- Never power off while reading or writing data.
- Make sure not to erase or overwrite data accidentally.

### microSDXC Card

Handset supports microSDXC Cards (SDXC-compatible SD Cards). microSDXC Cards are supported by SDXC-compatible devices only.

### Exchanging Data with Non-SDXC-Compatible Devices

To exchange data between handset and non-SDXC-compatible devices, use SD Cards (microSD/microSDHC Cards) supported by handset and those devices. Inserting a microSDXC Card used on handset in a non-SDXC-compatible device may corrupt card data. In such cases, do not format the microSDXC Card on that device even if prompted to do so.



Formatting deletes all microSDXC Card data and changes the file system. The original storage capacity may be unavailable after formatting. To use a corrupted microSDXC Card, format it on an SDXC-compatible device.

### Save Location

By default, data, including photos and videos taken with handset, is saved in internal storage. Even with downloaded commercially-available applications described as saving data on SD Card, data is saved in internal storage.

- To save photos and videos taken with handset on SD Card, insert SD Card before using Camera, then change save location as follows.

In Home Screen,  (Camera)    COMMON  Save To  SD card

### SD Card Caution

Keep SD Card away from infants; may cause choking if swallowed.

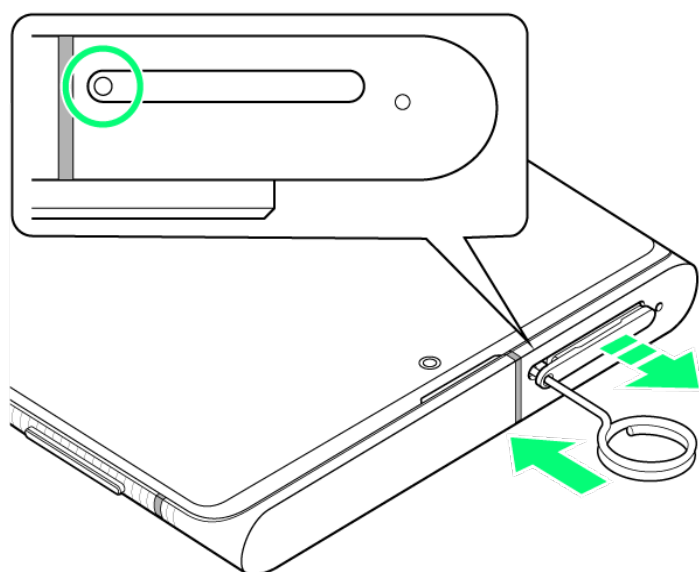
## Inserting SD Card

Always power off beforehand.

- Set SD Card in Card Tray beforehand. Do not insert SD Card without setting it in Card Tray.

1

With Display upward, insert SIM Removal Tool in removal hole in Card Tray

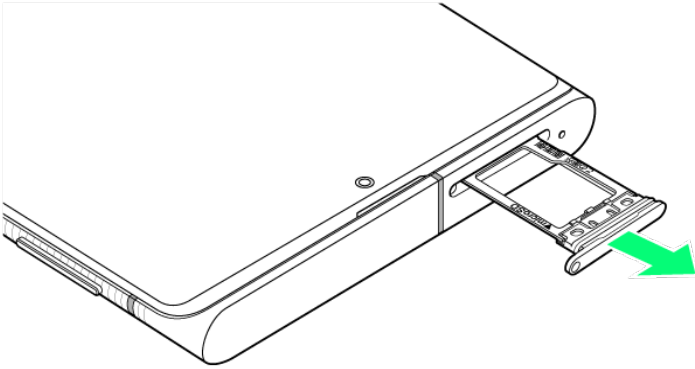




- Press firmly and straight until Card Tray ejects.

2

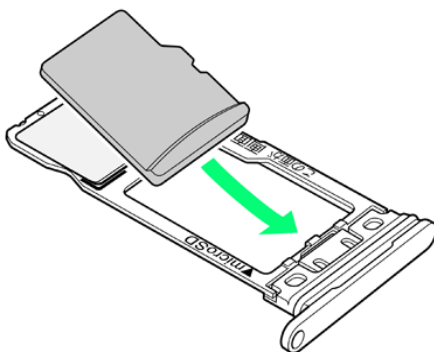
## Pull out Card Tray



- With Display upward, pull out Card Tray. Pulling out Card Tray with Display downward or handset held upright can allow SIM Card and SD Card to fall from Card Tray and become misplaced.
- Do not pull Card Tray forcefully or at an angle; damage may result. Gently pull Card Tray out horizontally.

3

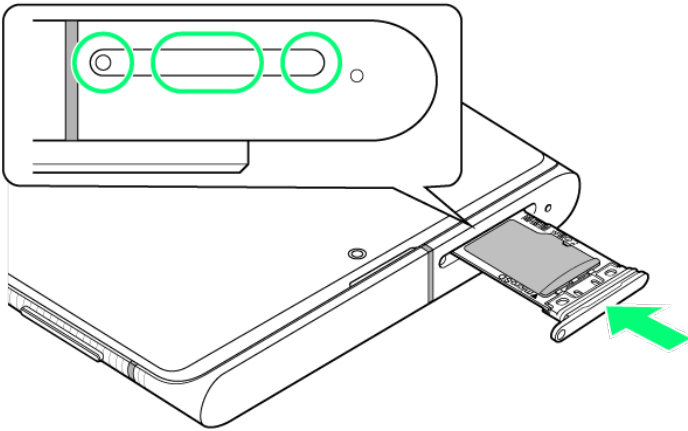
## Set SD Card in Card Tray




- Place gently, noting orientation of SD Card (terminal side facing down).
- Make sure SD Card is in Card Tray. Inserting Card Tray with SD Card on its edge may cause damage.



## Insert Card Tray in SIM/SD Card Slot



 SD Card is inserted.

- Do not insert Card Tray upside down.
- Insert gently all the way horizontally in direction shown.
- Push Card Tray firmly where circled (○) so that there is no gap between handset and Card Tray.
- To maintain water and dust resistance, use handset with Card Tray completely closed.

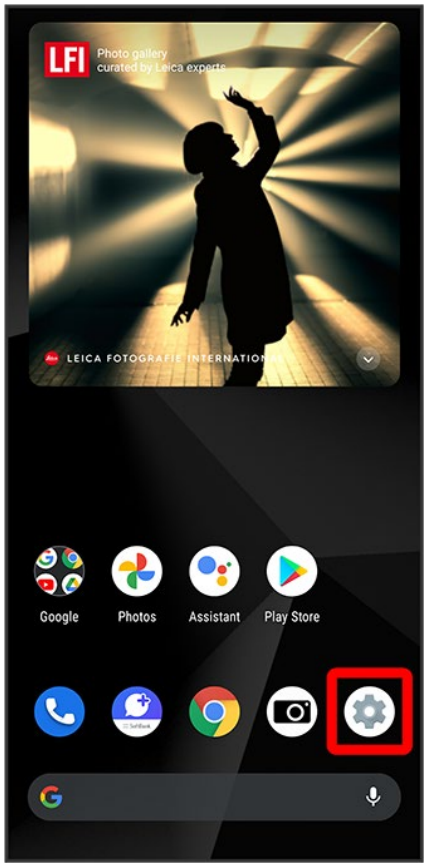
## Formatting SD Card

When using a new SD Card for the first time, always format it on handset.

- Formatting erases all data on SD Card. Format SD Card with caution.
- When formatting, keep handset charged or charge it adequately beforehand.
- Insert SD Card beforehand. See "Inserting SD Card" for details.

In Home Screen,  (Settings)

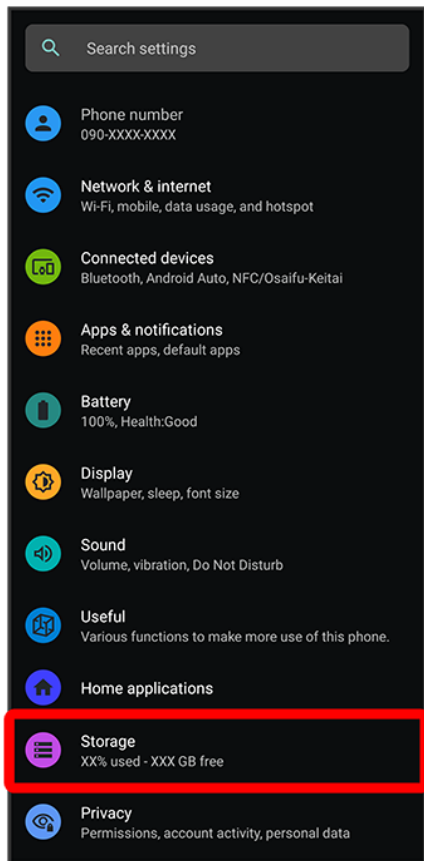




2

Storage

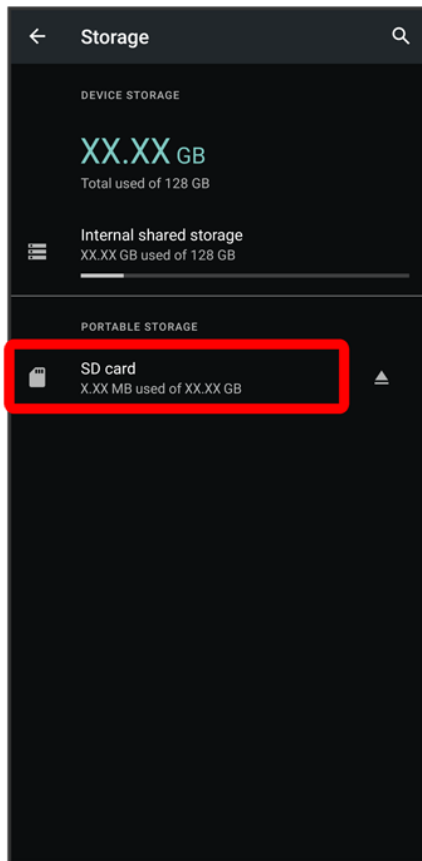




3

SD card



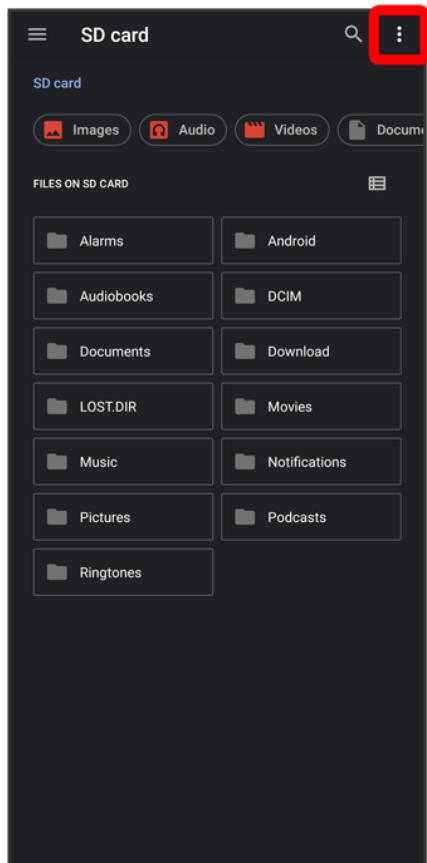


- If confirmation appears, follow onscreen prompts.

4

OO

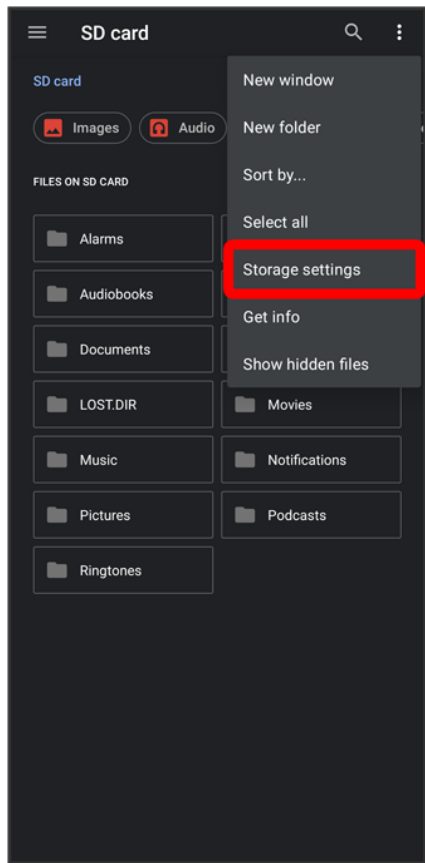




5

## Storage settings

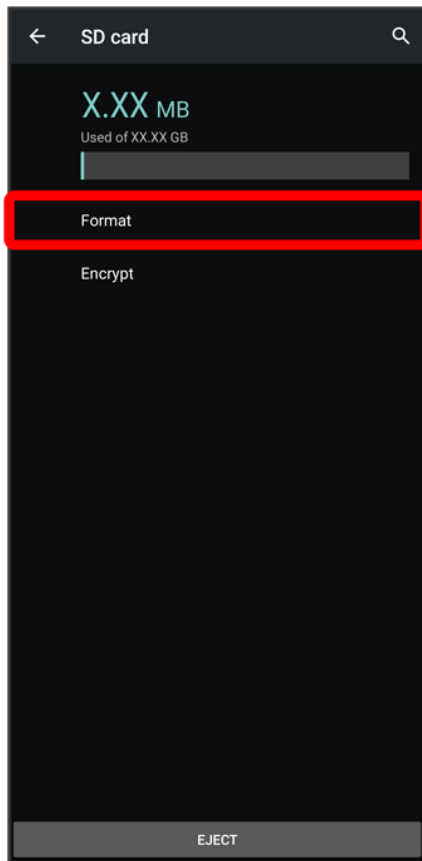




6

Format



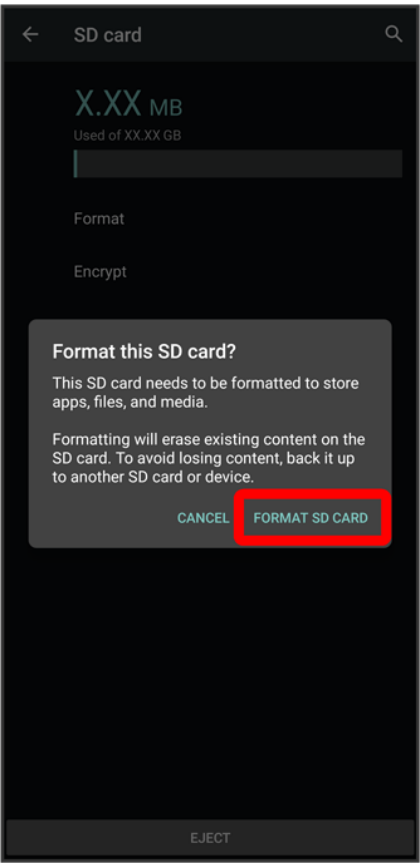


7

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## FORMAT SD CARD





8

Done






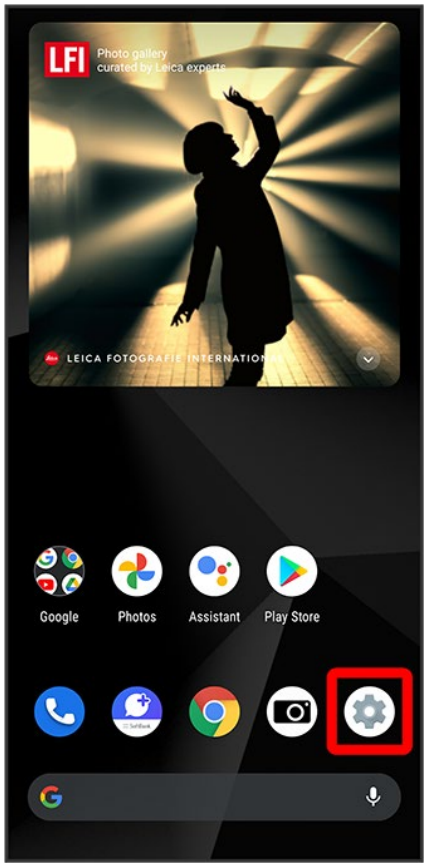
 All data on SD Card is erased.

## Unmounting SD Card

1

In Home Screen,  (Settings)

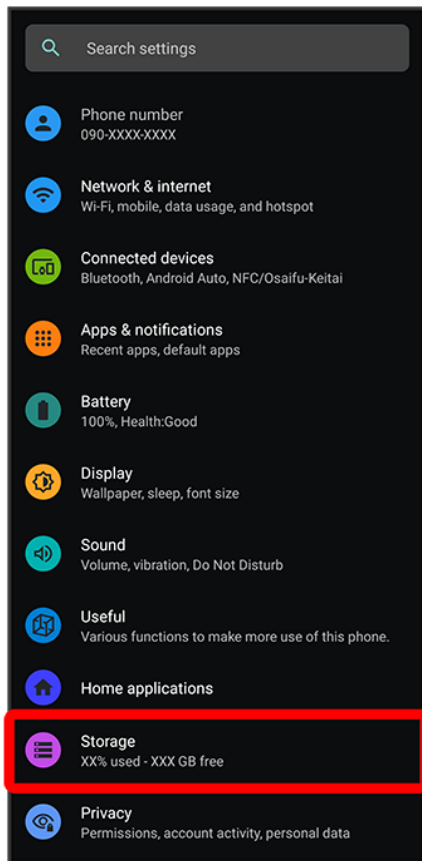




2

Storage

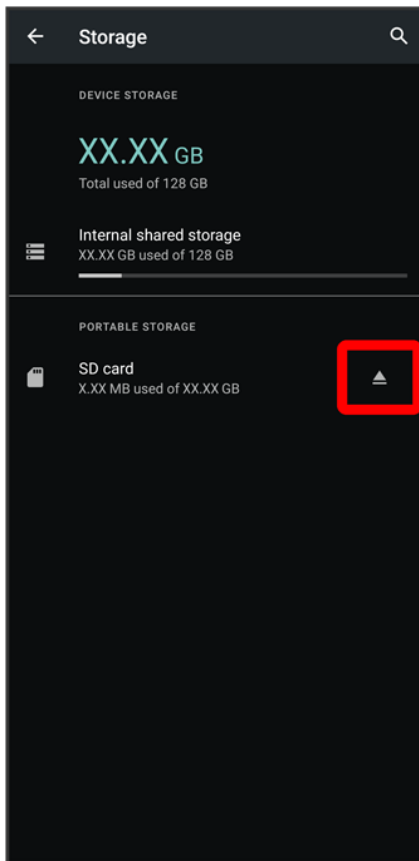






3







 SD Card is unmounted.

- To mount SD Card again, SD card  MOUNT.

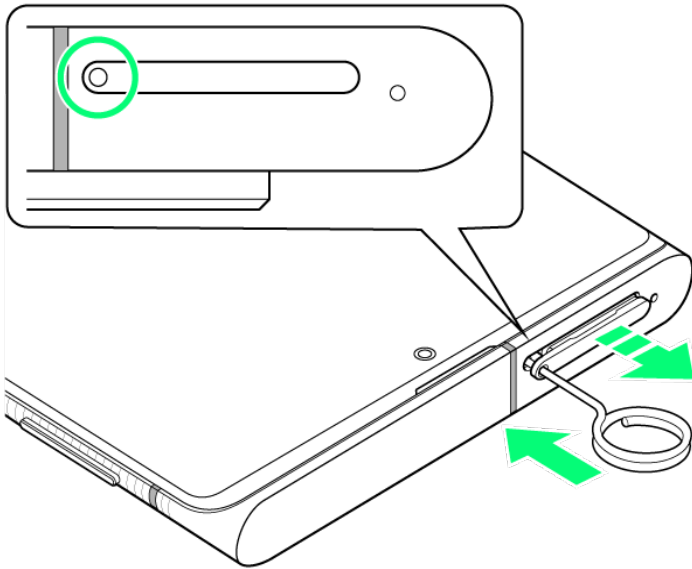
## Removing SD Card

Always power off beforehand.

1

With Display upward, insert SIM Removal Tool in removal hole in Card Tray

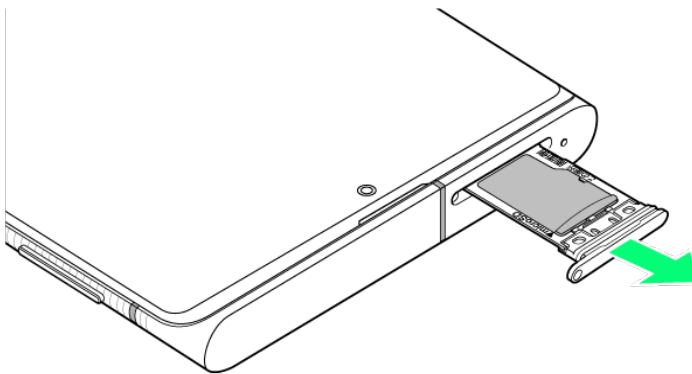




- Press firmly and straight until Card Tray ejects.

2

## Pull out Card Tray

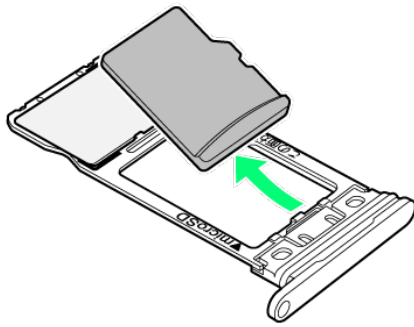


- With Display upward, pull out Card Tray. Pulling out Card Tray with Display downward or handset held upright can allow SIM Card and SD Card to fall from Card Tray and become misplaced.
- Do not pull Card Tray forcefully or at an angle; damage may result. Gently pull Card Tray out horizontally.

3

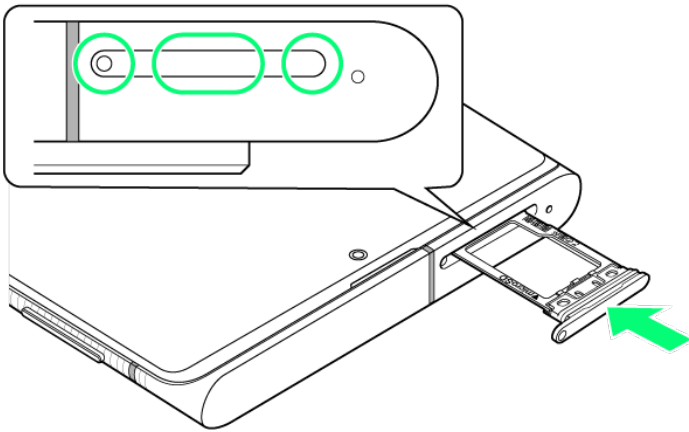
## Remove SD Card






4

#### Insert Card Tray in SIM/SD Card Slot



 SD Card is removed.

- Do not insert Card Tray upside down.
- Insert gently all the way horizontally in direction shown.
- Push Card Tray firmly where circled (○) so that there is no gap between handset and Card Tray.
- To maintain water and dust resistance, use handset with Card Tray completely closed.



# Charging Handset

Battery is built into handset.

↓ [Internal Battery](#)

↓ [Charging with AC Adaptor](#)

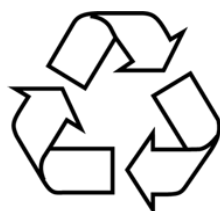
## Internal Battery

A lithium-ion battery is built into handset; it is not removable.



### Recycling

This product requires a lithium-ion battery. Lithium-ion batteries are recyclable. To recycle a used lithium-ion battery, take it to any shop displaying the recycling symbol.



**Li-ion00**



**モバイル・リサイクル・ネットワーク**  
携帯電話・PHSのリサイクルにご協力を。



### Battery Cautions

#### Storage

To help maintain performance and life of Internal Battery, do not store in the following conditions (battery level should be at approximately 40% for optimal storage).

- Full (immediately after charging is complete)
- Exhausted (too low to power on handset)

#### Bulges of Internal Battery

Depending on use, bulges may appear near end of battery life; this does not affect



safety.

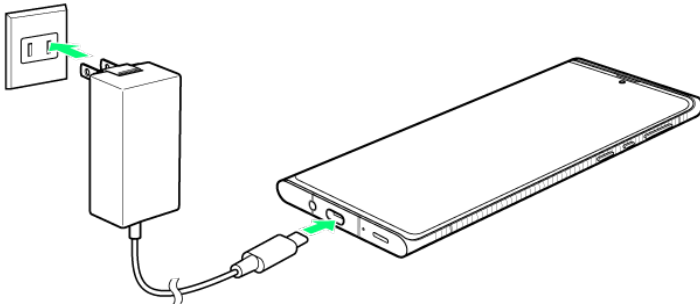
### Internal Battery Replacement

Internal Battery is a consumable item; may need to be replaced if operating time shortens noticeably. Internal Battery is not user replaceable; its replacement incurs fees and requires handset submission to a SoftBank Shop or other appropriate servicer. For details, contact a SoftBank Shop or Customer Service.

## Charging with AC Adaptor

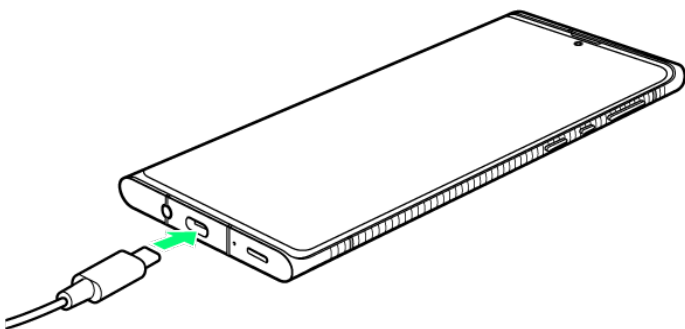
Use an AC Adaptor (USB Type-C quick charge AC Adaptor for USB PD [ZSDBAS] (SB-AC20-TCPD)) (optional accessory).

For information on other peripheral devices, see SoftBank Website.



1

Insert USB Type-C plug of AC Adaptor into External Connection Jack



2

Raise plug on AC Adaptor and plug into outlet



 Charging starts.

3

After charging, unplug AC Adaptor from outlet and disconnect from handset

 Charging ends.



### **Lock Screen while Charging**

Charging progress, time until charging completes (approximate), etc. appear in lock screen.

- "Charging": normal charging
- "Charging rapidly": rapid charging
- "Charging slowly": low-speed charging; handset begins low-speed charging depending on the conditions, such as when nearly charged.
- "In direct charging": direct charging. See "Battery Settings" for details.



### **Charging Cautions**

#### **Water Resistance**

AC Adaptor is not waterproof. Never connect a USB Type-C plug while handset or charger is wet.

Handset is water resistant; however, if a USB Type-C plug is inserted while it is wet, liquid (tap water, beverage, sea water, pet urine, etc.) or a foreign object adhered to handset or a USB Type-C plug may cause overheating, burnout, fire, malfunction, burns, etc. due to electric shock, short-circuiting, etc.

#### **Handling Cords**

Do not pull, bend, or twist cord; may damage the cord.

#### **About Charging Abroad**

SoftBank Corp. is not liable for problems resulting from charging handset abroad.



# Power On/Off

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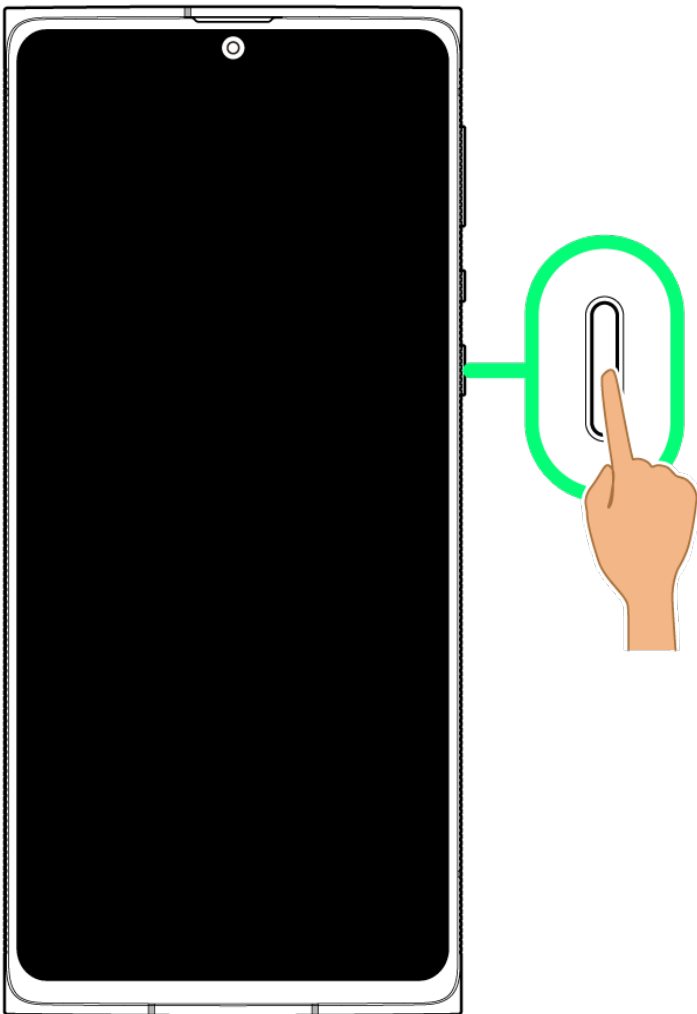
↓ Powering On

↓ Powering Off

## Powering On

1

Long Press Power Key until Android logo appears



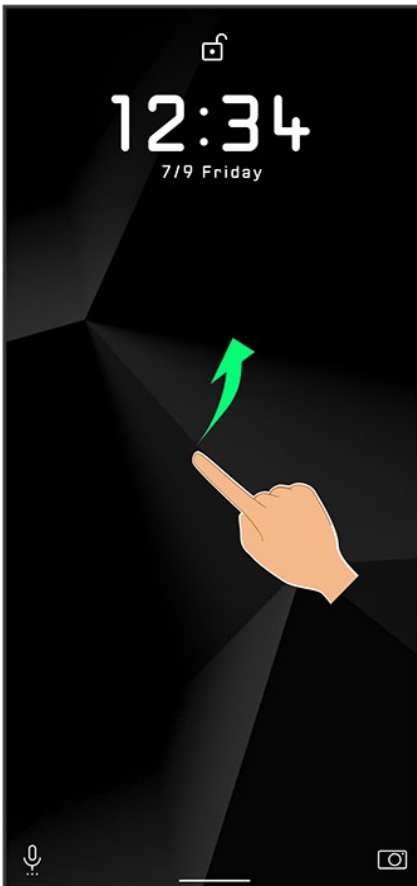
 Handset powers on, and lock screen appears after a while.





- An initial settings wizard may appear the first time handset is powered on. For details on initial settings, see "Making Initial Settings."

2

Flick lock screen up



 Home Screen appears.

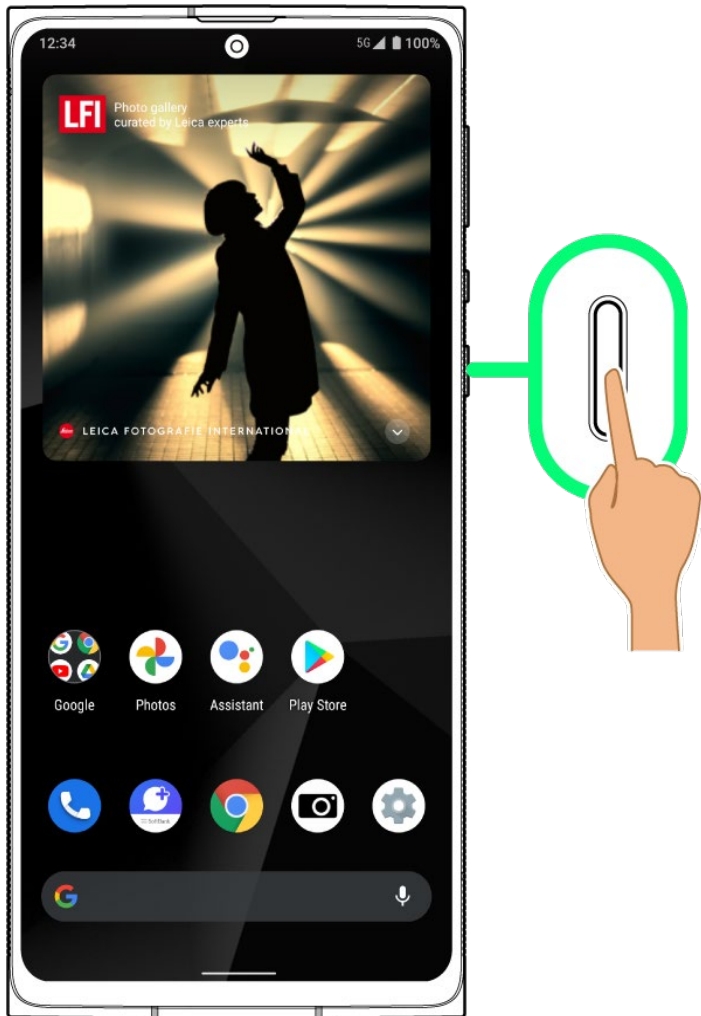
- After Flicking screen up when  is displayed, enter pattern / lock no. (PIN) / password to unlock.

## Powering Off

1

Power Key (Long Press)

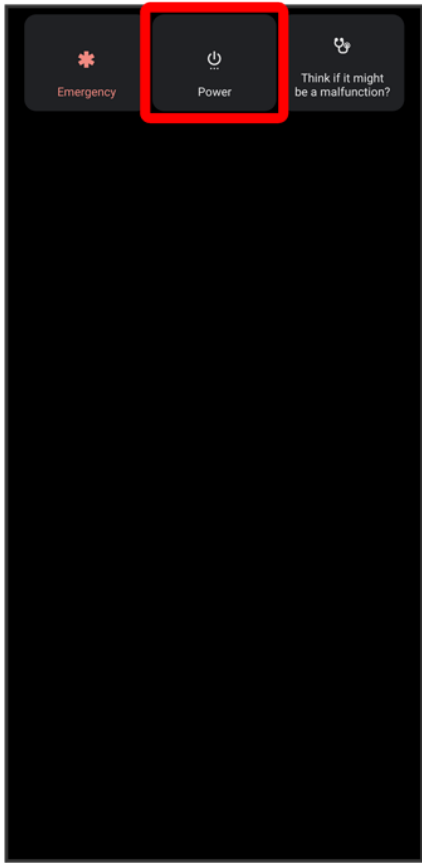




2

Power

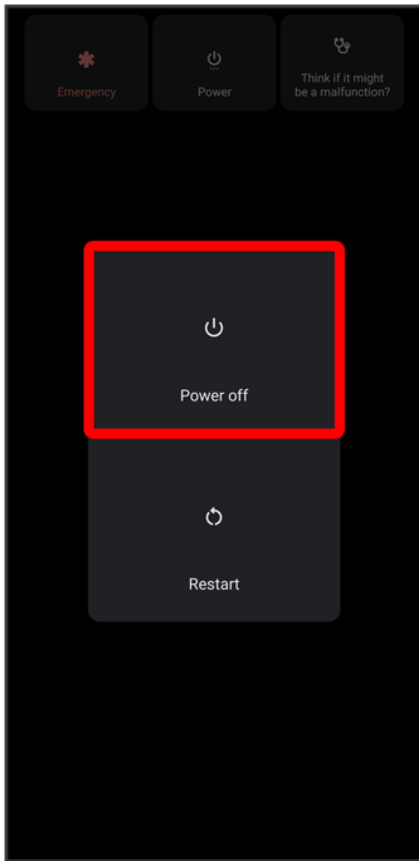




3

Power off





🚩 Handset powers off.



# Making Initial Settings

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When powering on the first time, an initial settings wizard appears for optionally making Wi-Fi, Google™ account, and other settings. Follow onscreen instructions to set items.

You can also easily transfer data from a previously used smartphone, by connecting the included Quick Switch Adapter to handset External Connection Jack and then connecting the smartphone using a cable.

Insert SIM Card before powering on handset.

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## Making Initial Settings

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### Transferring Data

#### Before Transferring Data

The following are required for transferring data.

- Handset
- Quick Switch Adapter
- The previously used smartphone
- Cable used with the previous smartphone

#### How to Transfer Data

Data transfer is performed from the initial settings screen that appears the first time handset is powered on. From "Copy apps & data" in the initial settings screen, follow onscreen prompts to connect the smartphones and transfer data.

- For details on transferring data using the Quick Switch Adapter, see the following website.  
[http://k-tai.sharp.co.jp/support/datacopy/pdf/easy\\_data\\_copy.pdf](http://k-tai.sharp.co.jp/support/datacopy/pdf/easy_data_copy.pdf) (Japanese)
- Charge handset and previously used smartphone adequately beforehand.
- Connect to Wi-Fi or mobile network beforehand.
- If transferring data from an iPhone®, set iMessage® and FaceTime® off beforehand.
- If iPhone data is encrypted, iTunes® password is required.

#### To Transfer Data after Initial Settings Have Been Completed

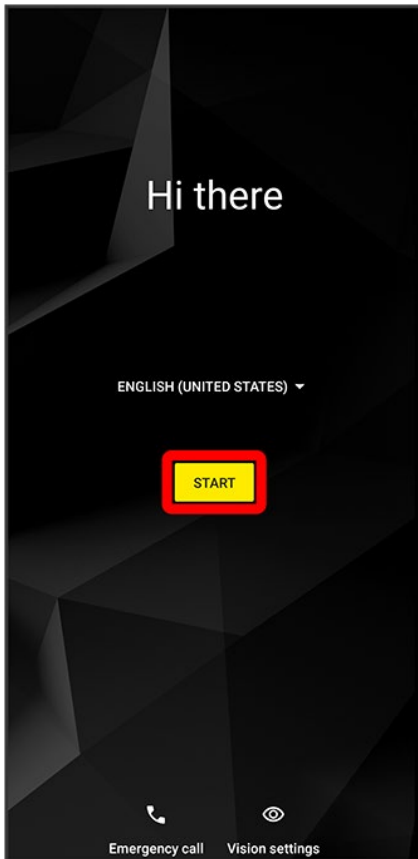
For details on transferring data after initial settings have been completed, see the following website.  
[http://k-tai.sharp.co.jp/support/datacopy/pdf/easy\\_data\\_copy.pdf](http://k-tai.sharp.co.jp/support/datacopy/pdf/easy_data_copy.pdf) (Japanese)



# Making Initial Settings

1

Select language then **START**

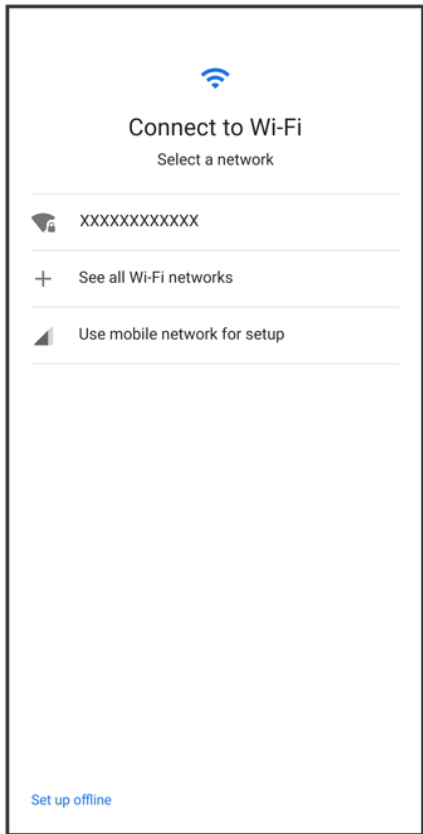


- To place an emergency call, Tap **Emergency call**.
- To set visual assistance, Tap **Vision settings**. See "Accessibility" for details.

2

Set Wi-Fi items



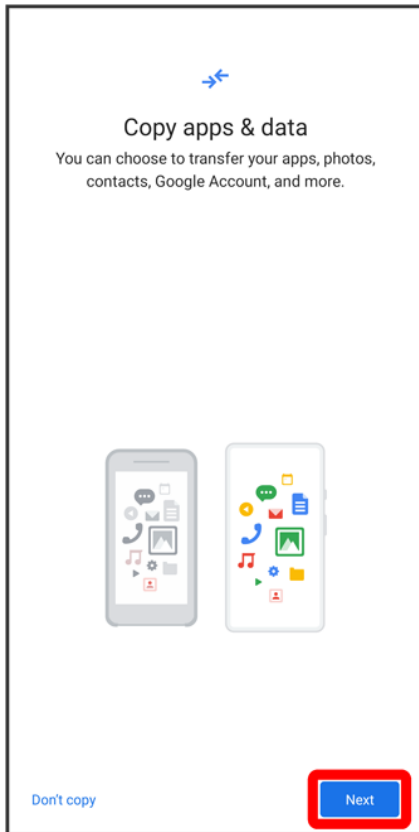


- Follow onscreen prompts.
- To complete initial settings via mobile network, select **Use mobile network for setup**. Continue by following onscreen prompts.

3

Next





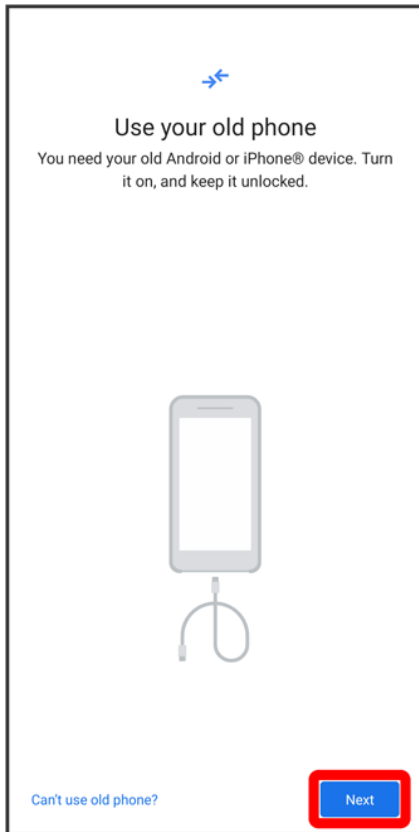
- To not copy data from another mobile, etc., Tap **Don't copy**.

4

---

Power on previous smartphone and unlock it ➡ **Next**





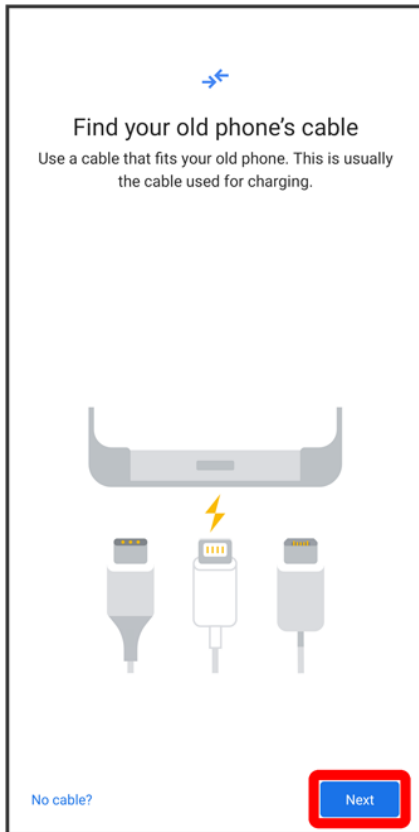
- If previous smartphone is unusable, Tap **Can't use old phone?** and follow onscreen prompts.

5

---

Prepare cable from previous smartphone ➡ **Next**





- If cable from previous smartphone is unavailable, Tap **No cable?** and follow onscreen prompts.

6

Connect the cable to previous smartphone ➡ **Next**

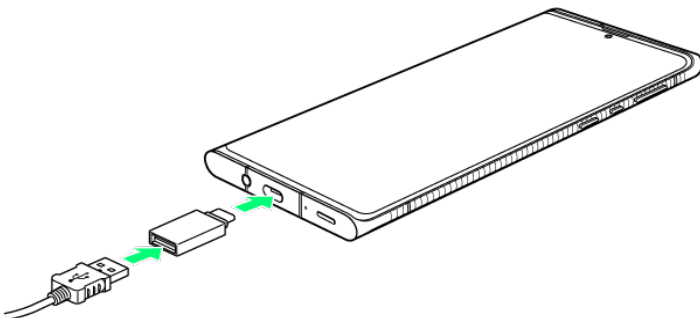




- If the cable is unusable, Tap **Cable doesn't fit?** and follow onscreen prompts.

7

Insert USB plug on cable into Type-A jack on Quick Switch Adapter, and insert USB Type-C plug on Quick Switch Adapter into External Connection Jack

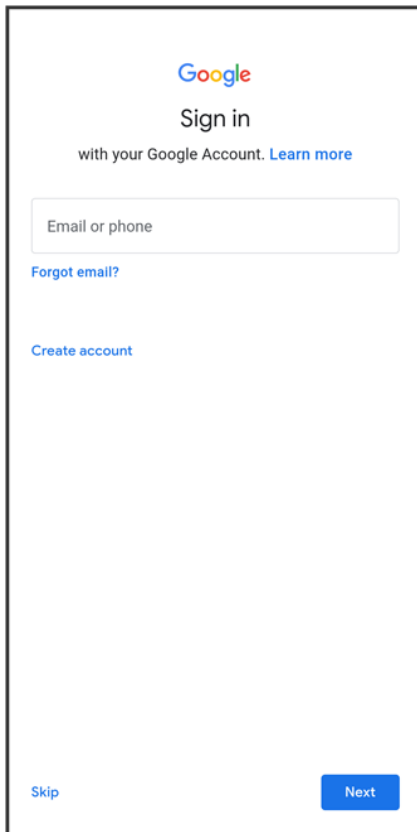


- If Quick Switch Adapter is unavailable, Tap **Cable doesn't fit?** ➔ **No adapter?**.

8



## Set up a Google Account

A screenshot of the Google sign-in interface. At the top is the Google logo. Below it, the text "Sign in" is centered, followed by "with your Google Account. [Learn more](#)". There is a text input field labeled "Email or phone". Below the field are two links: "Forgot email?" and "Create account". At the bottom left is a "Skip" link, and at the bottom right is a blue "Next" button.

Google

Sign in

with your Google Account. [Learn more](#)

Email or phone

[Forgot email?](#)

[Create account](#)

[Skip](#) [Next](#)

- See "Google Account" for details on a Google Account.
- After setting a Google account, a list of transferable data appears.

9

---

I agree



- Help our services deliver more useful, customized content such as more relevant search results;
- Improve the quality of our services and develop new ones;
- Deliver personalized ads, depending on your account settings, both on Google services and on sites and apps that partner with Google;
- Improve security by protecting against fraud and abuse; and
- Conduct analytics and measurement to understand how our services are used. We also have partners that measure how our services are used. [Learn more](#) about these specific advertising and measurement partners.

#### Combining data

We also combine this data among our services and across your devices for these purposes. For example, depending on your account settings, we show you ads based on information about your interests, which we can derive from your use of Search and YouTube, and we use data from trillions of search queries to build spell-correction models that we use across all of our services.

#### You're in control

Depending on your account settings, some of this data may be associated with your Google Account and we treat this data as personal information. You can control how we collect and use this data now by clicking "More Options" below. You can always adjust your controls later or withdraw your consent for the future by visiting My Account ([myaccount.google.com](https://myaccount.google.com)).

[More options](#) ▾

[Don't create the account](#)

[I agree](#)

10

Tap items to import ➞ [Copy](#)



Choose what to copy

XX

MB of XX GB

XX minute to transfer

Contacts

XX device contacts

Device settings

Wi-Fi passwords & more

Call history

Synced automatically

Google Calendar

Google Contacts

Google Photos

Gmail

Some of your data may not transfer to your Leitz Phone 1. [Learn more](#)

Don't copy

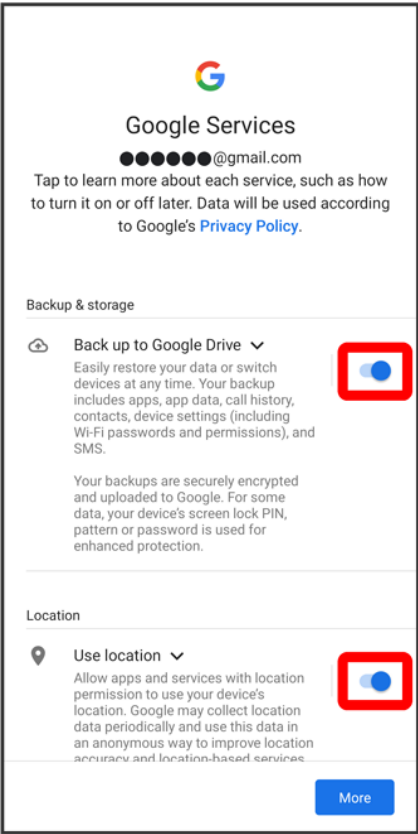
Copy

 Import starts.

11

Set/check each item





12

Accept



permission to use your device's location. Google may collect location data periodically and use this data in an anonymous way to improve location accuracy and location-based services.

Allow scanning

▼

Allow apps and services to scan for Wi-Fi networks and nearby devices at any time, even when Wi-Fi or Bluetooth is off.

Device maintenance

Send usage and diagnostic data

▼

Help improve your Android device experience by automatically sending diagnostic, device, and app usage data to Google. This will help battery life, system and app stability, and other improvements. Some aggregate data will also help Google apps and partners, such as Android developers. If your additional Web & App Activity setting is turned on, this data may be saved to your Google Account.

Install updates & apps

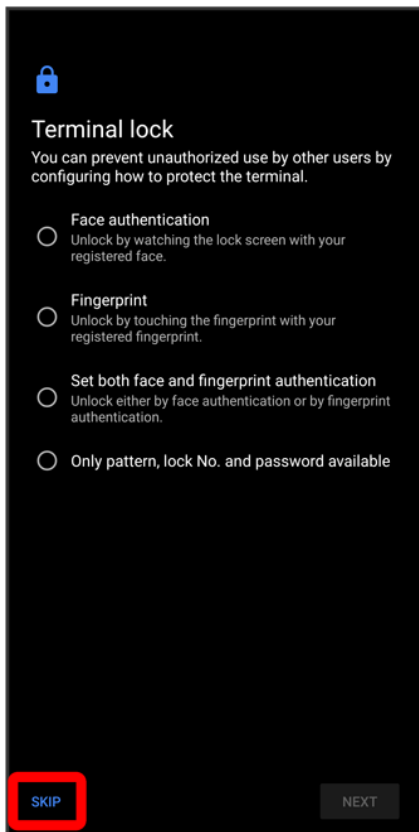
▼


By continuing, you agree that this device may also automatically download and install updates and apps from Google, your carrier, and your device's manufacturer, possibly using cellular data. Data rates may apply. Some of these apps may offer in-app purchases.

Tap "Accept" to confirm your selection of these Google services settings.

Accept





- Tap method  **NEXT** to set selected method. See "Using Fingerprint Authentication Function," "Setting Screen to Unlock by Tracing Pattern," "Requiring Lock No. (PIN) Entry for Unlocking Screen," "Setting Screen to Unlock with Password," and "Using Face Authentication" for details.

14

Continue





- To stop initial settings and be reminded later, Tap **Leave & get reminder**.
- Follow onscreen prompts to set up Google Assistant.

15

Skip





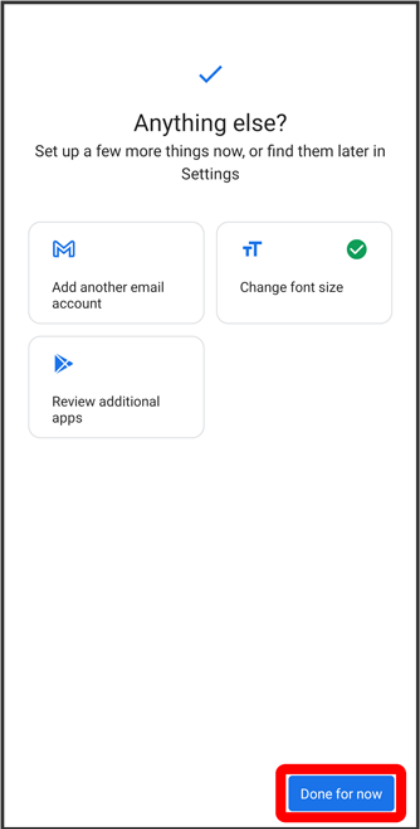
- After Tapping **Add a card** follow onscreen prompts to save card information.

16

---

Set each item ➡ **Done for now**

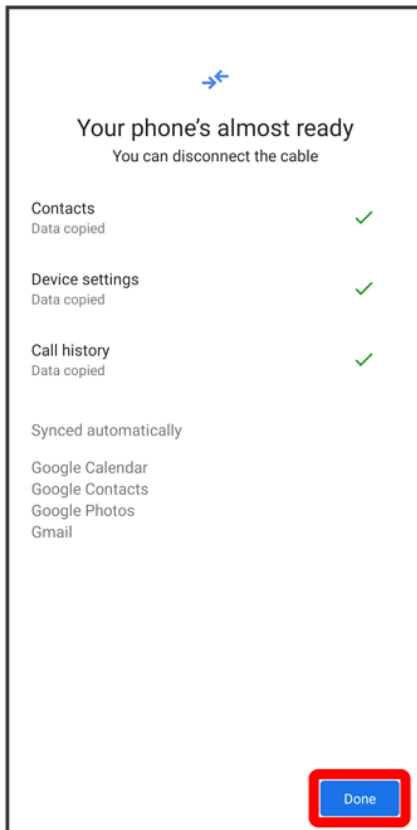





17

Done





 Import is complete, and initial settings are complete.

- After import is complete, remove cable.
- If confirmation appears, follow onscreen prompts.

### **Quick Switch Adapter Usage Cautions**

Use only for transferring data, and to not use for any other purpose (such as charging).



# Google Account

---

Use a Google Account and get more convenience with Google services. A Google Account is required to use some services or fully use some applications.

---

↓ [Creating a Google Account](#)

---

↓ [Signing in to a Google Account](#)

---

## Google Account Cautions

### Google Account Mail Address & Password

Be careful not to forget your Google account mail address and password.

### Google Account Operations & User Interface

Operations and user interface are subject to change due to automatic application updates or other reasons.

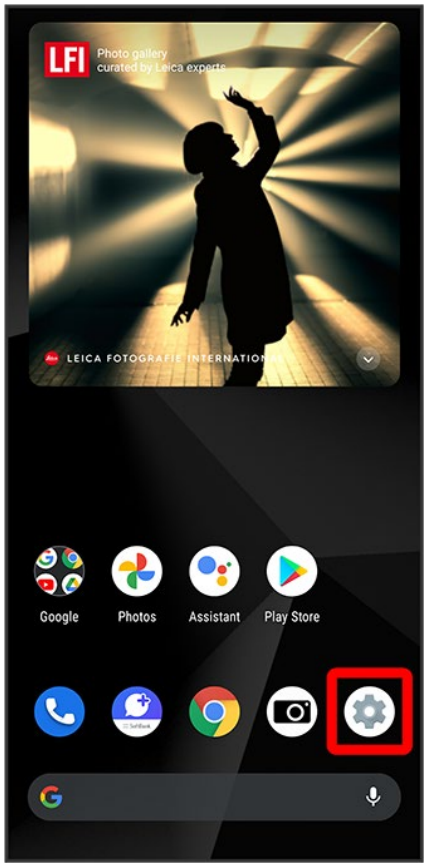
## Creating a Google Account

1

---

In Home Screen,  (Settings)

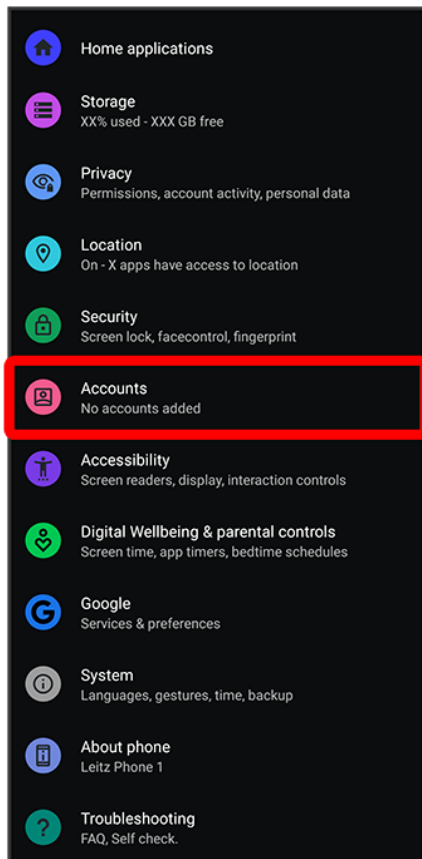




2

## Accounts





3

Add account



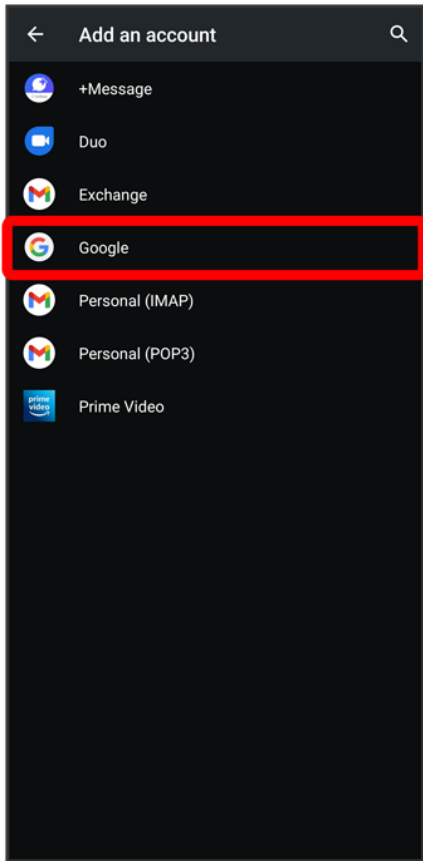



4

---

Google





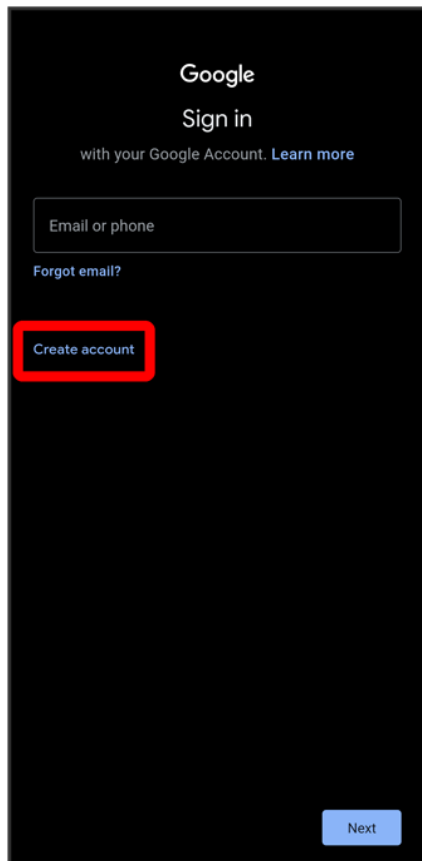
 Window for logging in to a Google account opens.

5

---

Create account



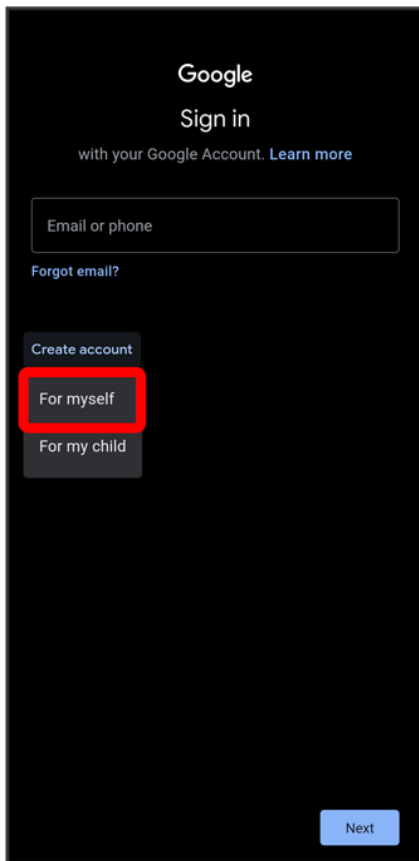


6

---

For myself





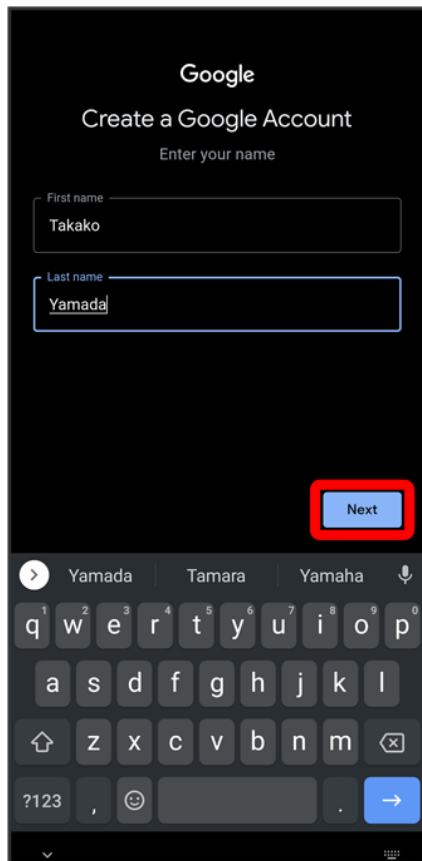
- To create a child's account, Tap **For my child**, then follow onscreen prompts.

7

---

Enter first name ➡ Enter last name ➡ **Next**





8

Set/enter date of birth and gender ➡ Next



Google

Basic information

Enter your birthday and gender

Month

December

Day

24

Year

1985

Gender

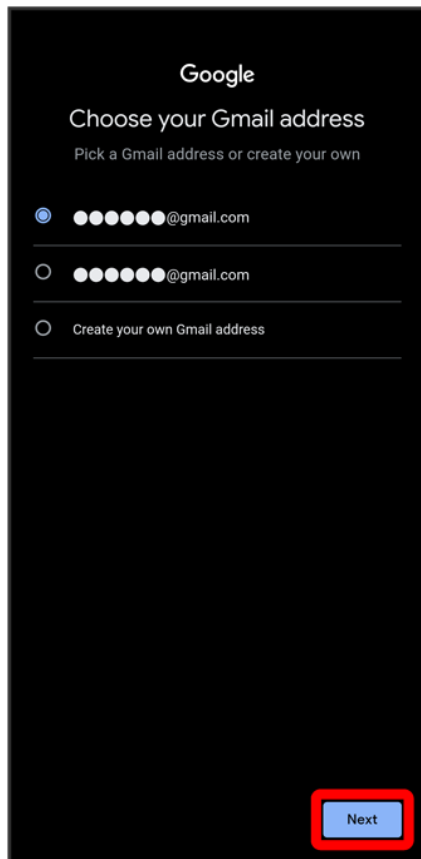
Female

Next

9

Select a mail address➡Next





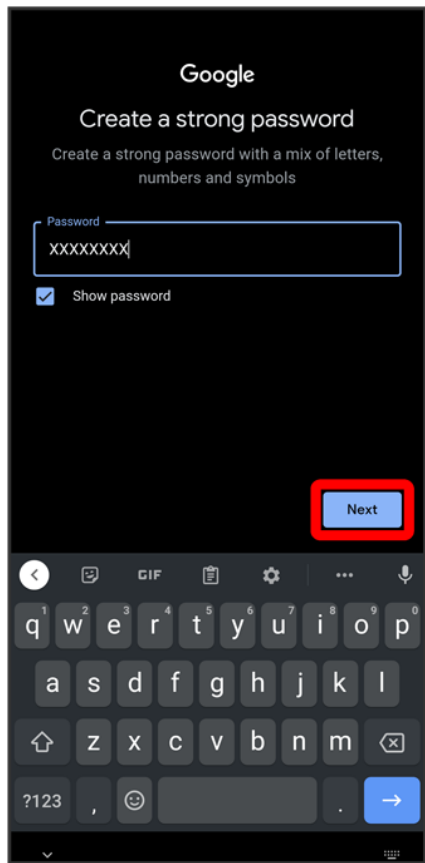
- To create another mail address, Tap **Create your own Gmail address** ➔ Enter user name (mail address) ➔ **Next**.

10

---

Enter password ➔ **Next**

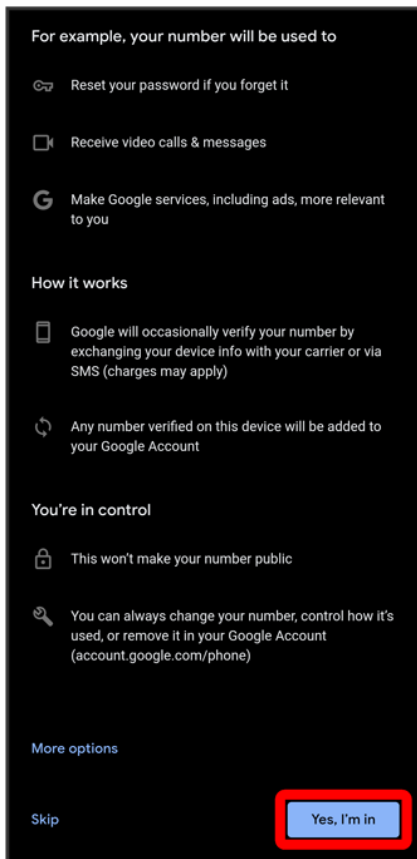




11

Yes, I'm in





- To add a phone number for security only, Tap **More options**. Continue by following onscreen prompts.
- To not add a phone number, Tap **Skip**.

12

Next





13

---

Check the privacy policy and terms of use **I agree**



We process this data for the purposes described in our policy, including to:

- Help our services deliver more useful, customized content such as more relevant search results;
- Improve the quality of our services and develop new ones;
- Deliver personalized ads, depending on your account settings, both on Google services and on sites and apps that partner with Google;
- Improve security by protecting against fraud and abuse; and
- Conduct analytics and measurement to understand how our services are used. We also have partners that measure how our services are used. [Learn more](#) about these specific advertising and measurement partners.

**Combining data**

We also combine this data among our services and across your devices for these purposes. For example, depending on your account settings, we show you ads based on information about your interests, which we can derive from your use of Search and YouTube, and we use data from trillions of search queries to build spell-correction models that we use across all of our services.

**You're in control**

Depending on your account settings, some of this data may be associated with your Google Account and we treat this data as personal information. You can control how we collect and use this data now by clicking "More Options" below. You can always adjust your controls later or withdraw your consent for the future by visiting My Account ([myaccount.google.com](https://myaccount.google.com)).

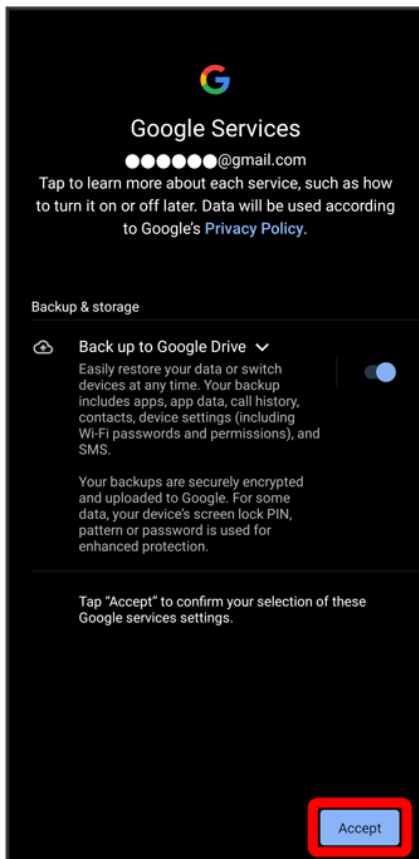
More options ▾

I agree

14

Select whether to enable data backup ➡ Accept





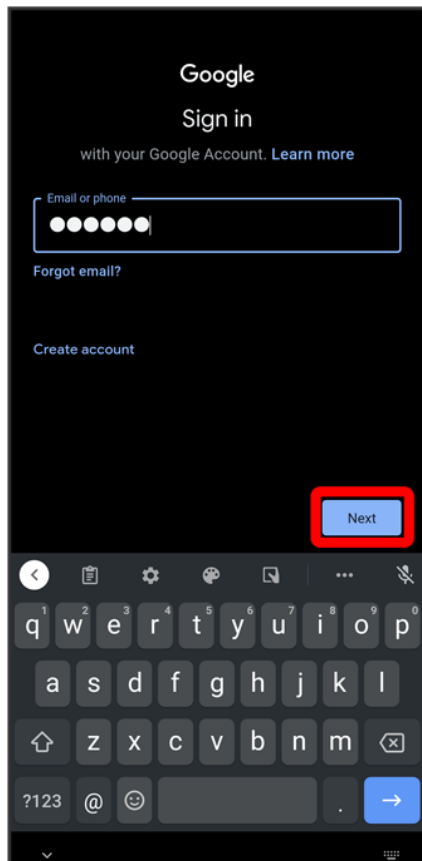
Account is created.

## Signing in to a Google Account

1

In window for logging in to a Google account, enter mail address ➡ Next

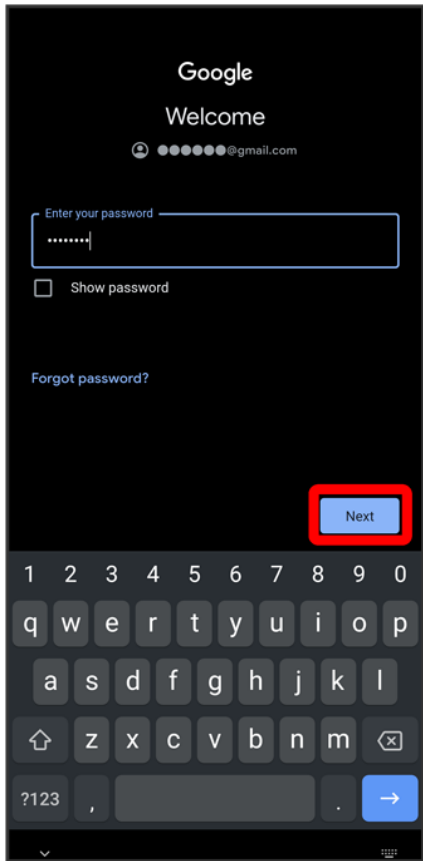




2

Enter password ➡ Next

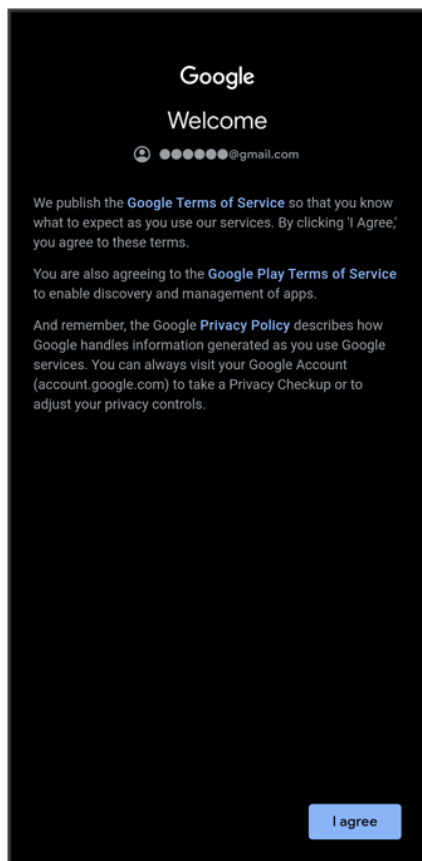





3

Continue by following onscreen prompts





 You are signed in to your Google Account.



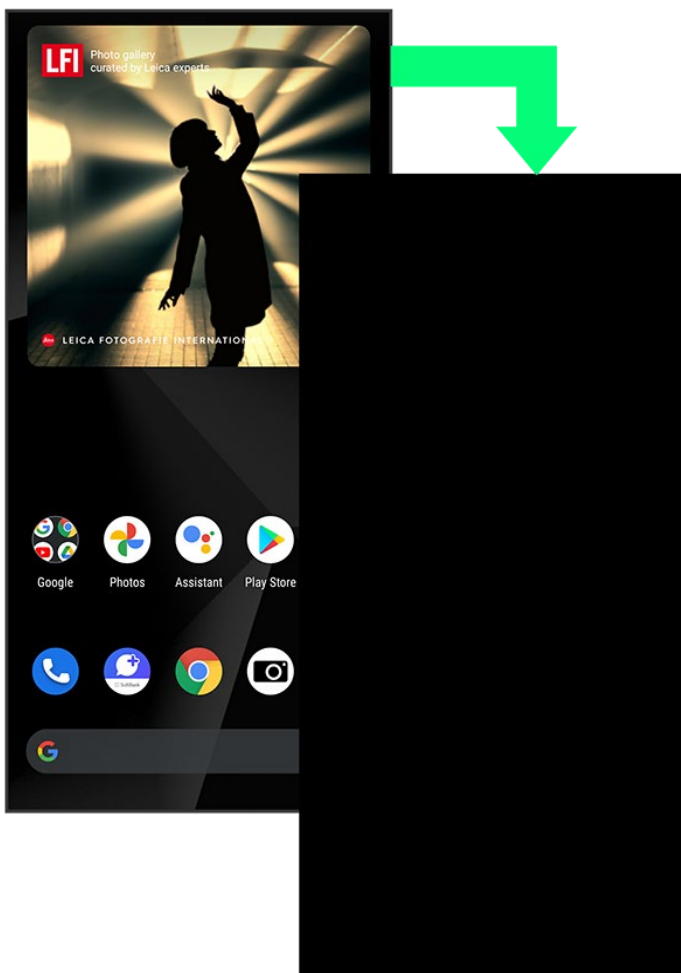
# Unlocking Screen

↓ Screen Lock

↓ Unlocking Screen

## Screen Lock

After a period of inactivity, Display turns off to save battery power (screen lock active).  
Screen lock prevents accidental Touchscreen operation.



- To activate screen lock manually, Press Power Key when Display is turned on.



### **If Screen Lock Activates while Playing Music**

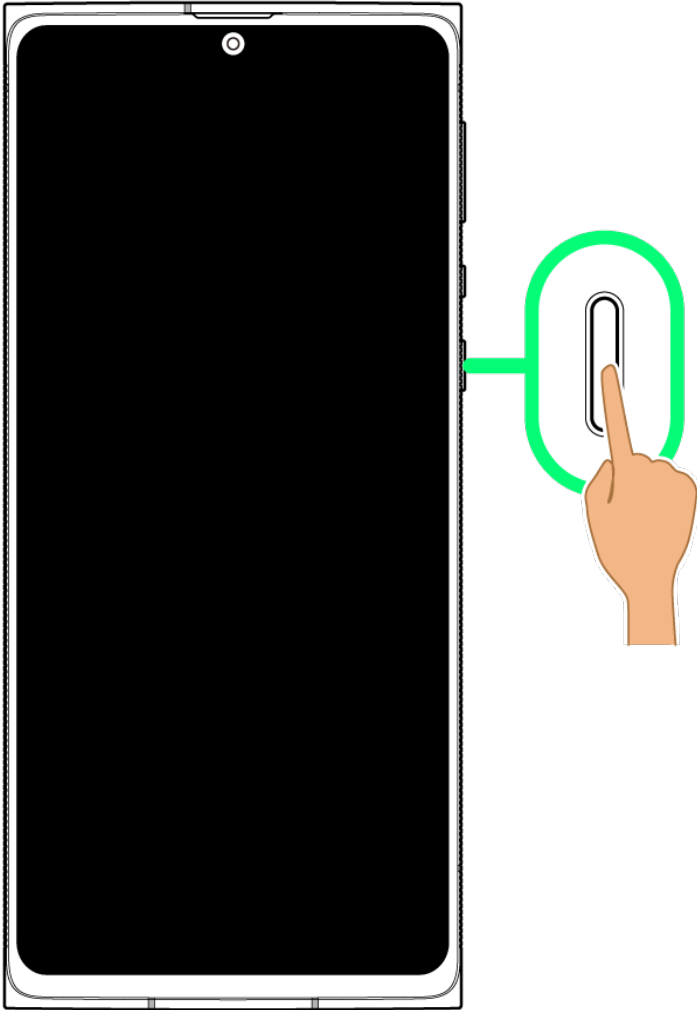
Music continues to play. For operation, Press Power Key to open lock screen and use operation panel (operations may vary depending on application).



# Unlocking Screen

1

When Display is turned off (screen lock active), Power Key

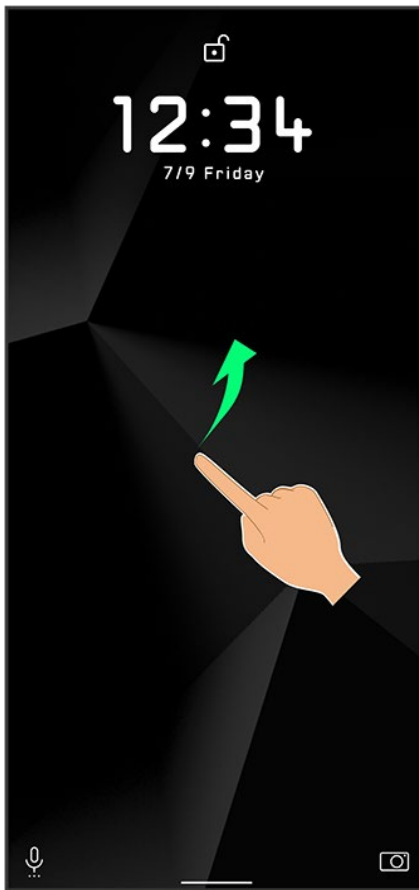



 Lock screen appears.


2

Flick lock screen up





 Screen is unlocked.

- To change the unlock method for enhanced security, set handset to require pattern drawing or lock no. (PIN)/password entry for unlocking screen or set screen to be unlocked with your fingerprint/face as needed. See "Using Fingerprint Authentication Function," "Setting Screen to Unlock by Tracing Pattern," "Requiring Lock No. (PIN) Entry for Unlocking Screen," "Setting Screen to Unlock with Password," and "Using Face Authentication" for details.
- After Flicking screen up when  is displayed, enter pattern / lock no. (PIN) / password to unlock.



### **Another Way to Turn On Display**

Set Display to turn on when handset is picked up and held still (Turn screen on by holding). See "Auto Sleep Off Settings" for details.



# Case

---

Attach Case to handset to protect back and sides of handset from damage caused by dropping or impact.

---

↓ [Attaching Case](#)

---

↓ [Removing Case](#)

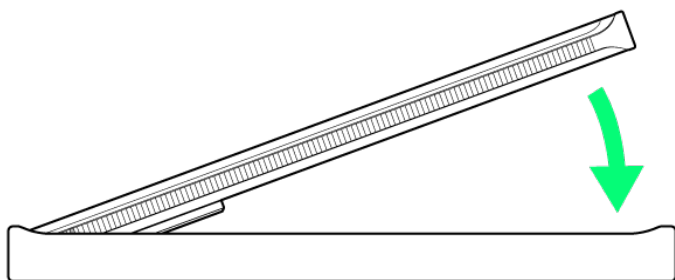
---


## Attaching Case

Attach Case from top (Standard Camera side) of handset. Attaching from bottom may cause damage to Case.

1

Align handset with Case, put top of handset (Standard Camera side) in Case, and fit in direction shown



 Case is attached.

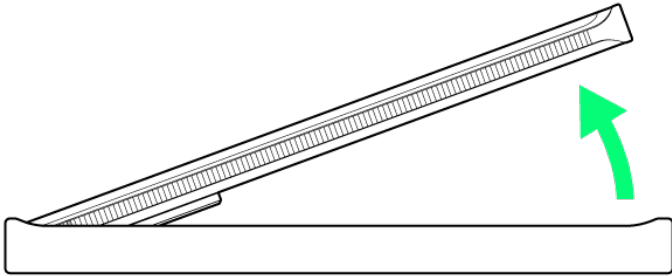
## Removing Case

Remove Case from bottom of handset. Removing from top (Standard Camera side) may cause damage to Case.



1

Pick up bottom of handset in direction shown and remove it from Case



Case is removed.



# Lens Cap

---

Attach Lens Cap to Standard Camera to protect Lens from scratches and soiling.

---

↓ [Attaching Lens Cap](#)

---

↓ [Removing Lens Cap](#)

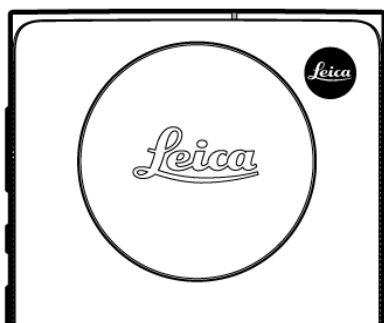
---

## Attaching Lens Cap

1

---

Attach Lens Cap to Standard Camera



🚩 Lens Cap is attached.

- Align Lens Cap with "Leica" logo on top right of Case when attaching.

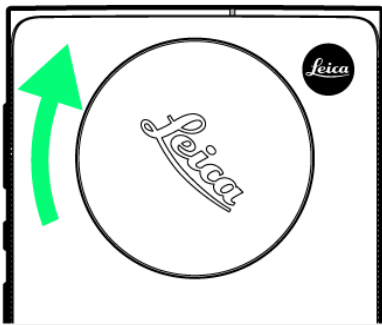
## Removing Lens Cap

1

---

Rotate Lens Cap to remove it





🚩 Lens Cap is removed.

- Alternatively, press bottom of Lens Cap to remove it.



# Basic Operations

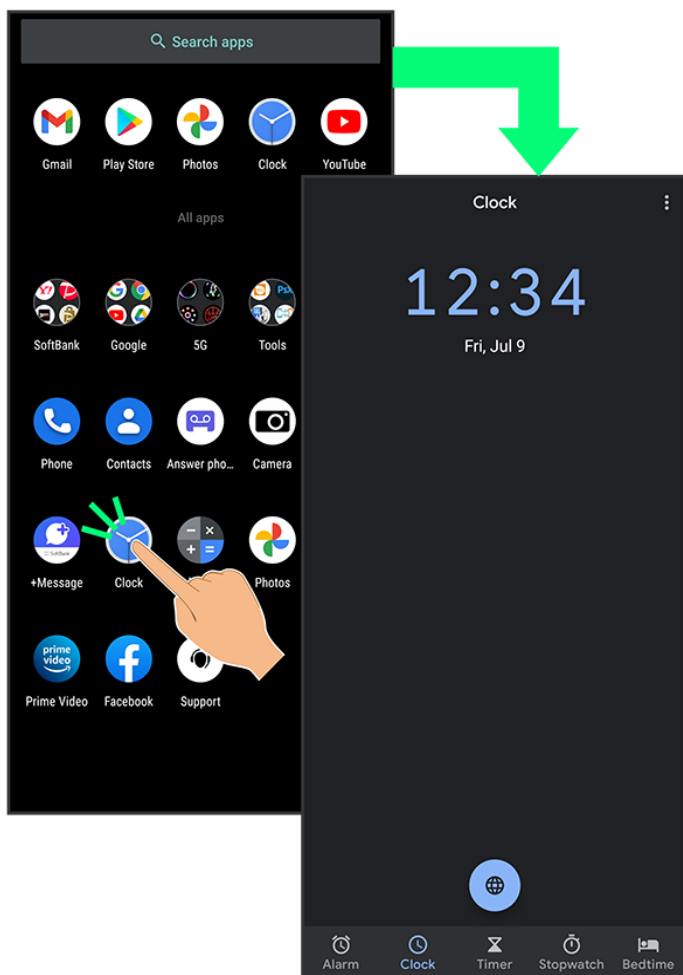
↓ Selecting Options and Navigating Screens

↓ Moving to Home Screen

↓ Menu Operations

## Selecting Options and Navigating Screens

Tap items, icons, onscreen keys, etc. to open assigned items.



- To return to the previous screen, Flick the edge of screen to the left/right.

## Moving to Home Screen

Flick Navigation Bar (where icons appear at edge of Display) to move to Home Screen.



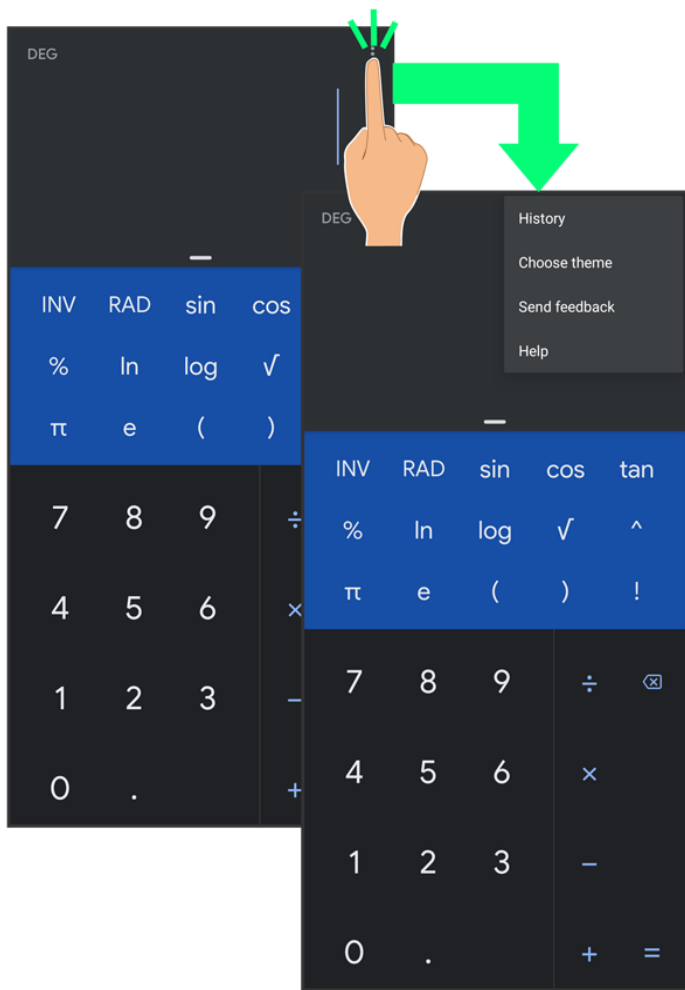


## Menu Operations

1

Tap  at Display top for available settings and items.

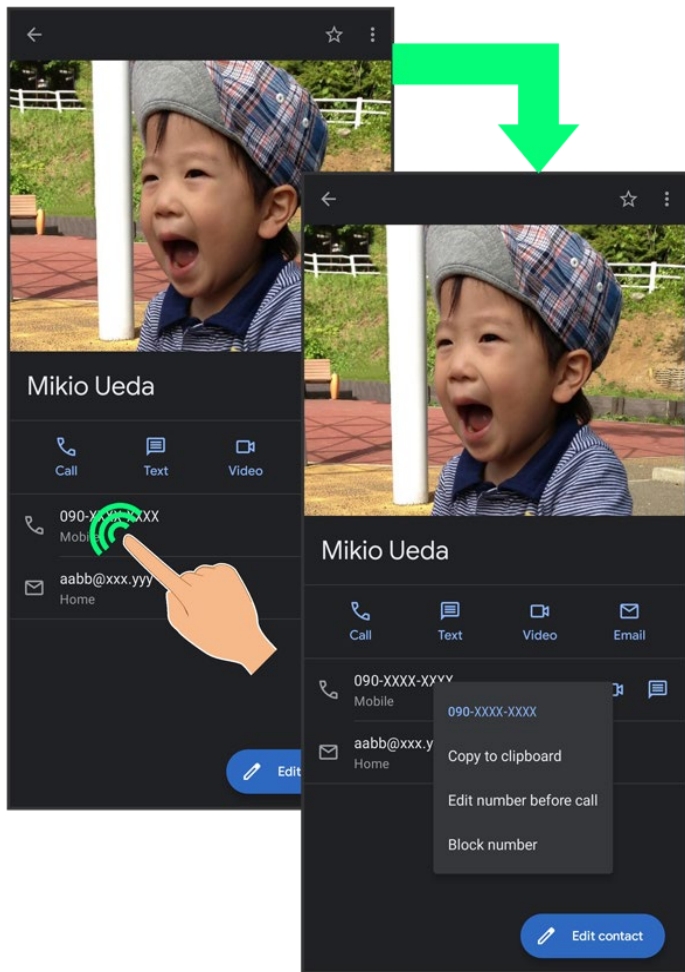




## 2

Screens may also have settings and items that are available by Touching & Holding Display.







# Using Touchscreen

---

Handset uses a touchscreen-type Display. Operate with your fingers on Display.

---

↓ Tap

---

↓ Touch & Hold

---

↓ Drag

---

↓ Flick (Swipe)

---

↓ Pinch/Spread

---



## About Touchscreen

### In Case of Unintended Operation

If handset initiates operation without Touchscreen (Display) being operated or does not respond after Touchscreen being operated, Press Power Key to turn off Display, Press Power Key again to turn on Display and then operate handset.

### Touchscreen Usage Notes

Touchscreen may not respond in these situations:

- Use with gloves/long fingernails  
When using handset with gloves on, enable glove mode.
- Use of pens, pencils or sharp objects
- Use with objects on/against Display
- Use while wet



## Touchscreen Usage Cautions

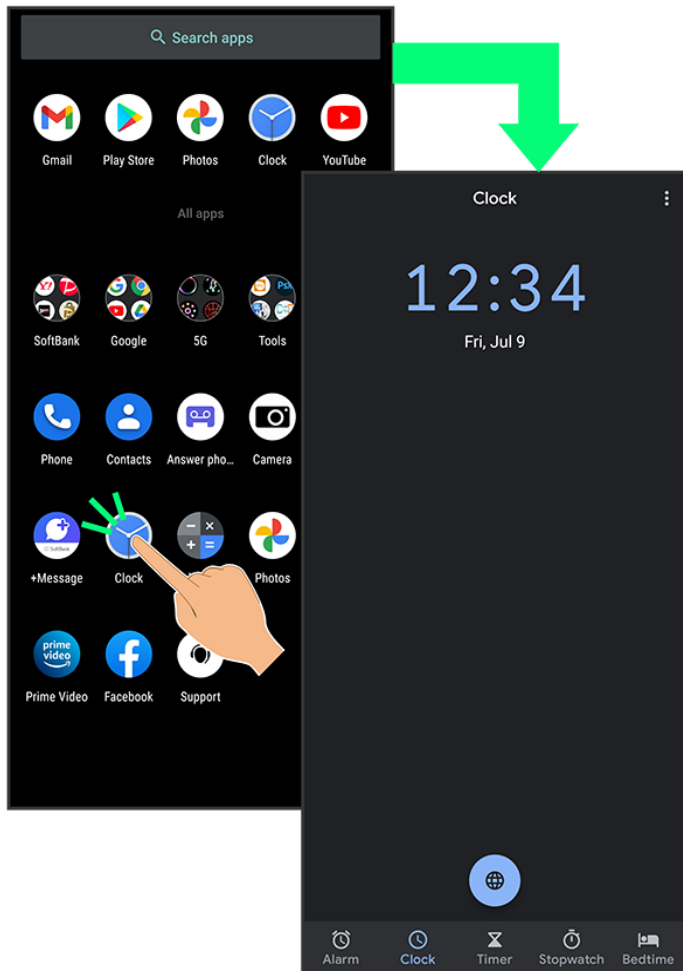
To prevent malfunctions, do not:

- Touch Display with wet fingers
- Use if Display is wet  
If Display is wet, wipe it with a soft cloth.
- Subject Display to force/pressure
- Place a sticker or shield (commercially-available protective film, privacy protector shield, etc.) on Display



# Tap

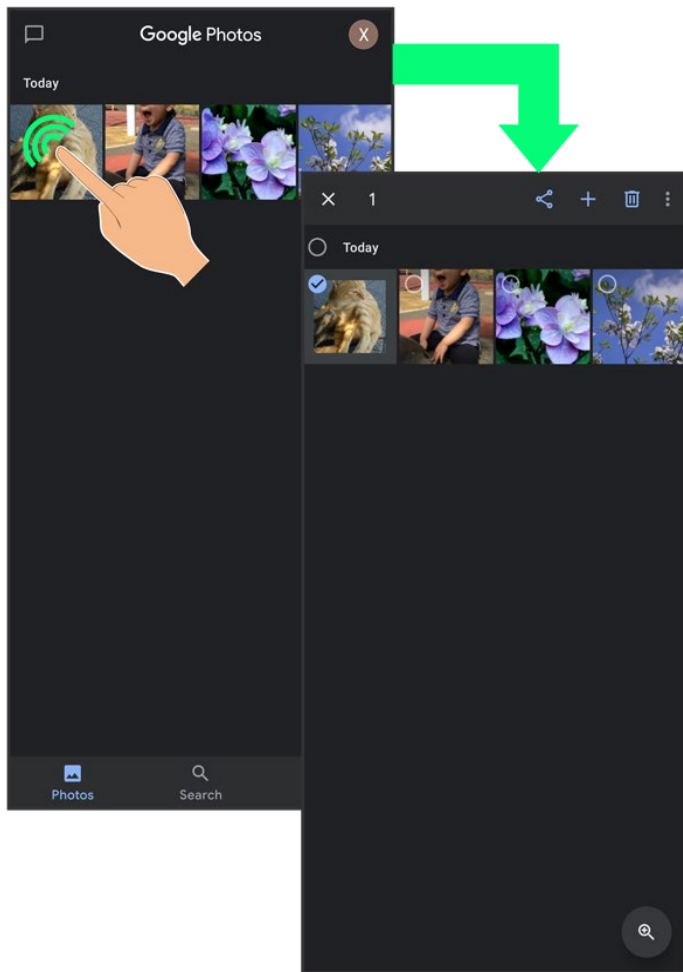
Contact Display lightly and briefly.



# Touch & Hold

Contact Display lightly; release finger when screen changes.

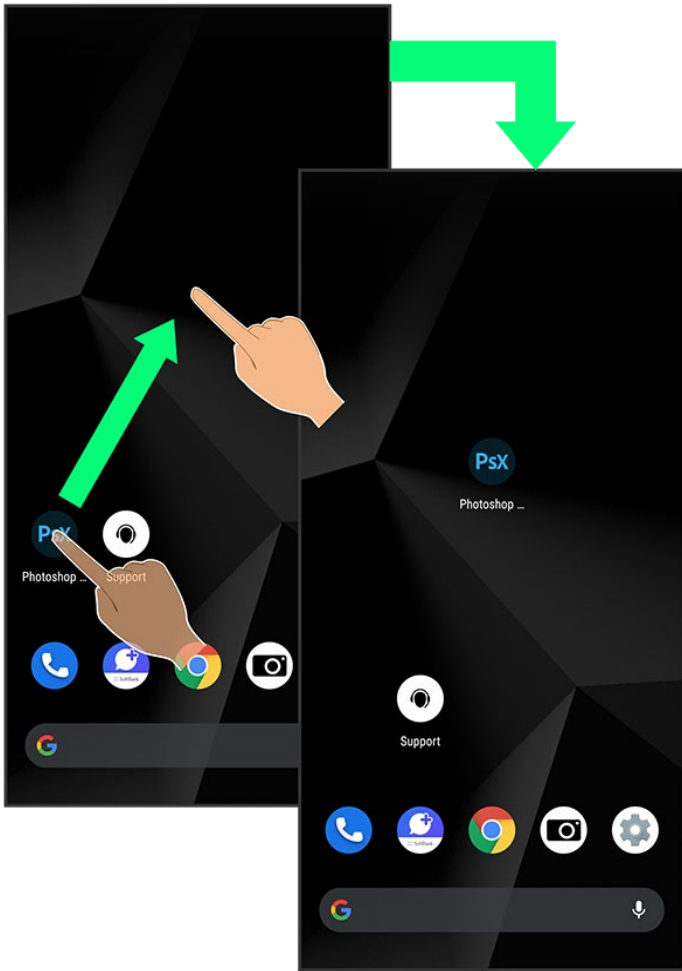




## Drag

Touch icon or other item lightly, move it where desired, and release finger.

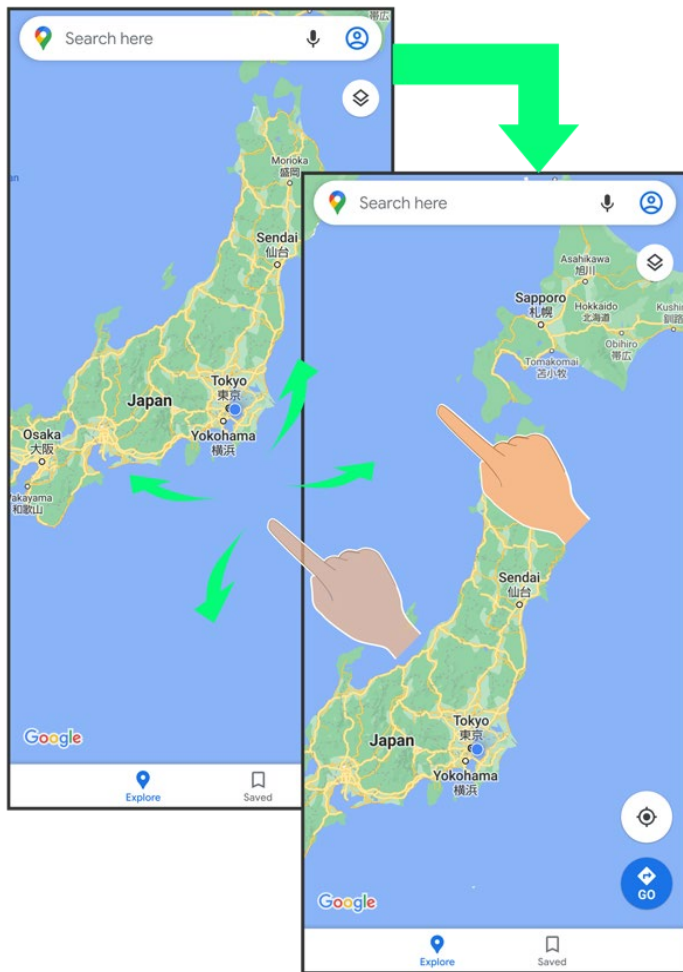




## Flick (Swipe)

Contact Display lightly, then brush screen up/down or left/right.

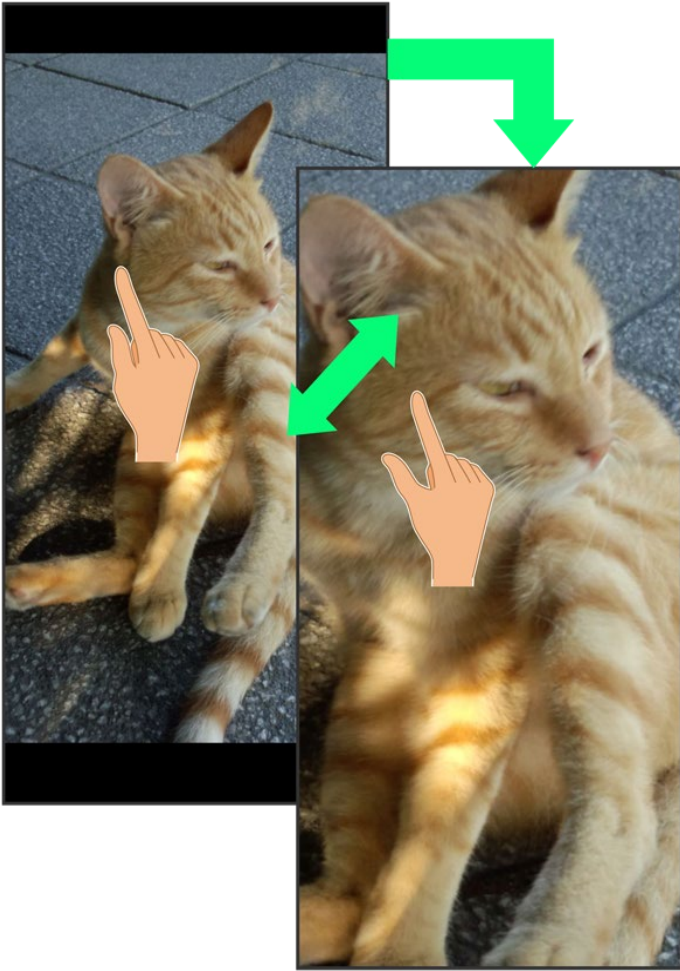




## Pinch/Spread

Contact Display lightly, then move fingers toward each other (Pinch) or away from each other (Spread).







# Using Manner Mode

---

Mute ringtones and other handset sounds to avoid disturbing others around you. Manner mode setting is also accessible from Quick Settings Window.

---

↓ [Activating Manner Mode \(Vibe\)](#)

---

↓ [Activating Manner Mode \(Mute\)](#)

---



## Manner Mode Options

Settable items are the following.

- Vibe

Ringtones and other handset sounds are muted; handset vibrates for incoming calls/messages, etc.

- Mute

Ringtones and other handset sounds are muted; handset does not vibrate for incoming calls/messages, etc.



## Manner Mode Cautions

Camera shutter sound, video recording tones, alarms, media sound, etc. still play even in Manner mode.

- Alternatively, to mute alarms and media sound, use "Do Not Disturb." See "Sound Settings" for details.

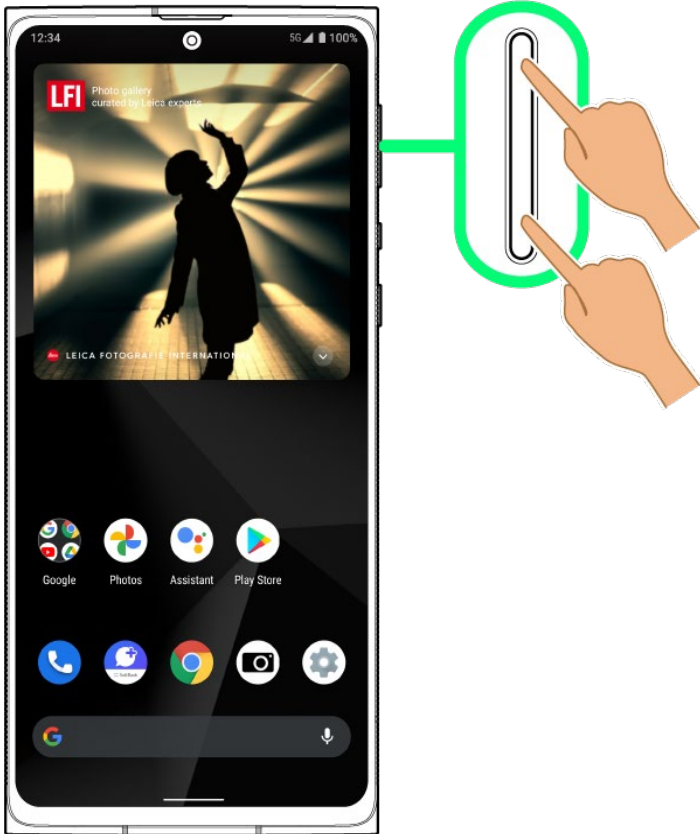
## Activating Manner Mode (Vibe)




---

Press Volume Up/Down Key



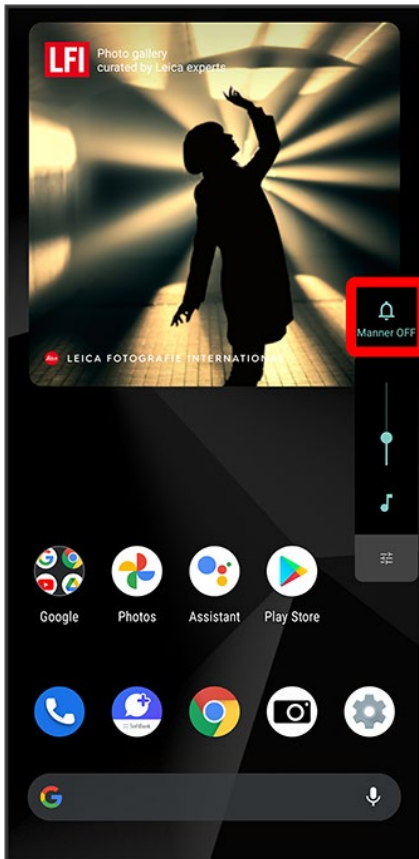



 Volume bar appears.

2

 (Manner OFF)








Icon changes to  (Vibe), and handset enters Manner mode (vibe).

## + Manner Mode (Vibe) Operations




### Setting from Quick Settings


Manner mode (vibe) setting is also accessible from Quick Settings Window.

Flick Status Bar down  

Icon changes to , and handset enters Manner mode (vibe).

### Canceling Manner Mode (Vibe)

Press Volume Up/Down Key for volume bar,  (Vibe)   (Mute)

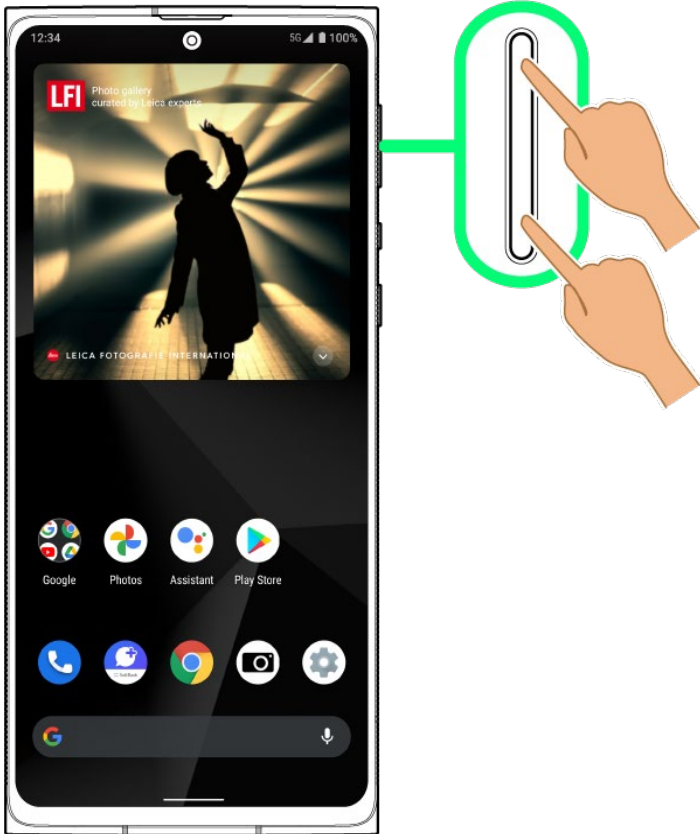
Icon changes to  (Manner OFF), and handset exits Manner mode.


## Activating Manner Mode (Mute)

1

Press Volume Up/Down Key



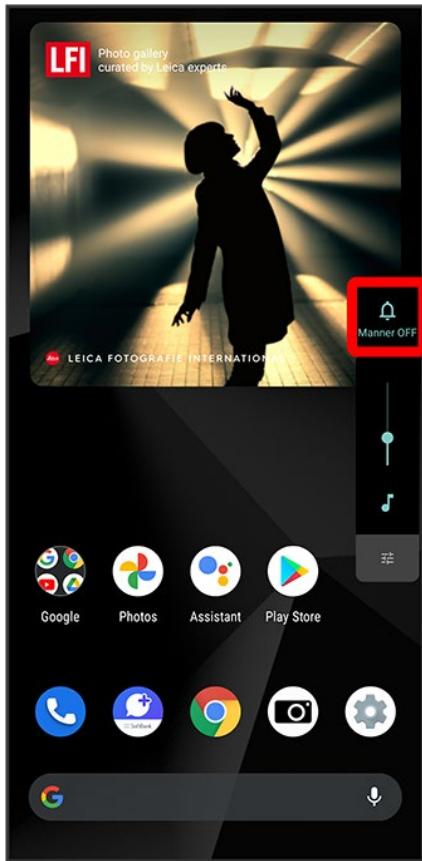




 Volume bar appears.

2

 (Manner OFF)



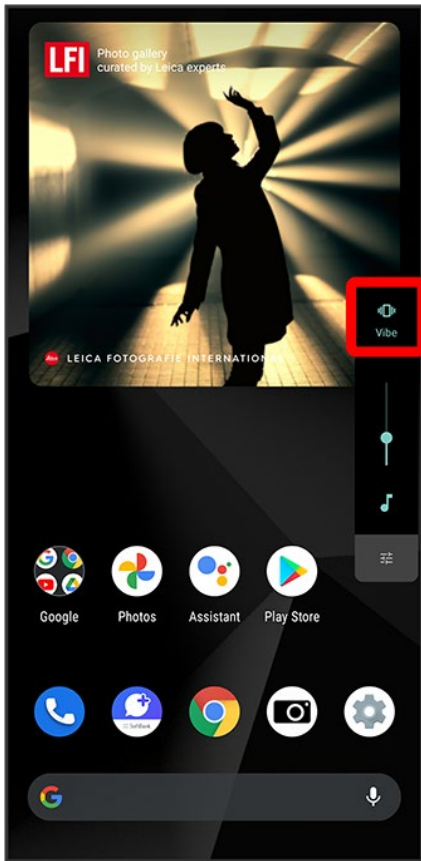



 Icon changes to  (Vibe), and handset enters Manner mode (vibe).

3

 (Vibe) while volume bar is displayed









Icon changes to  (Mute), and handset enters Manner mode (mute).

## **Manner Mode (Mute) Operations**


### **Setting from Quick Settings**


Manner mode (mute) setting is also accessible from Quick Settings Window.

Flick Status Bar down    

Icon changes to , and handset enters Manner mode (mute).

### **Canceling Manner Mode (Mute)**

Press Volume Up/Down Key for volume bar,  (Mute)

Icon changes to  (Manner OFF), and handset exits Manner mode.



# Using Airplane Mode

---

Leaving power on, suspend signal-transmitting functions.

---

↓ [Activating Airplane Mode](#)

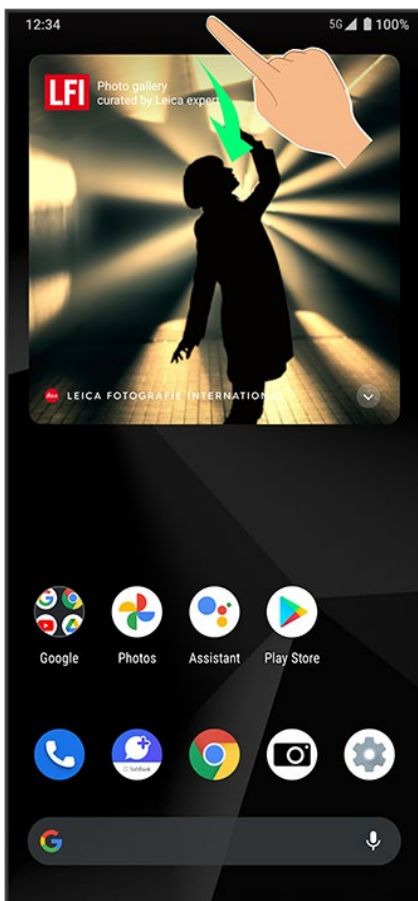
---

## Activating Airplane Mode

1

---

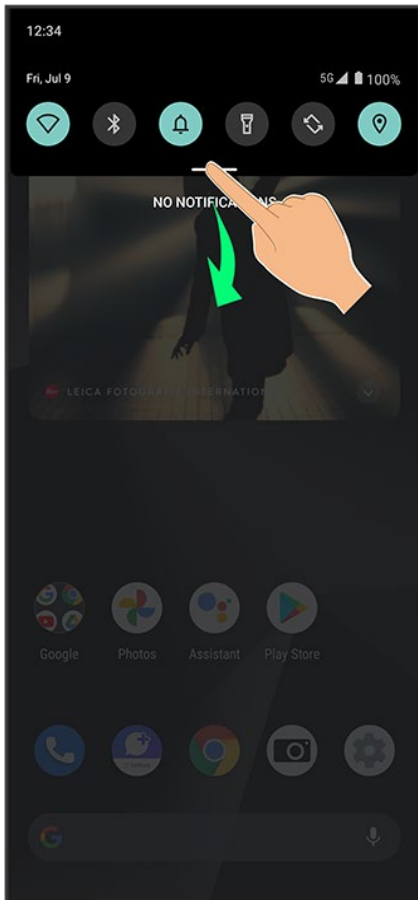
Flick Status Bar down



☑ Notifications Window opens.



## Flick Notifications Window down

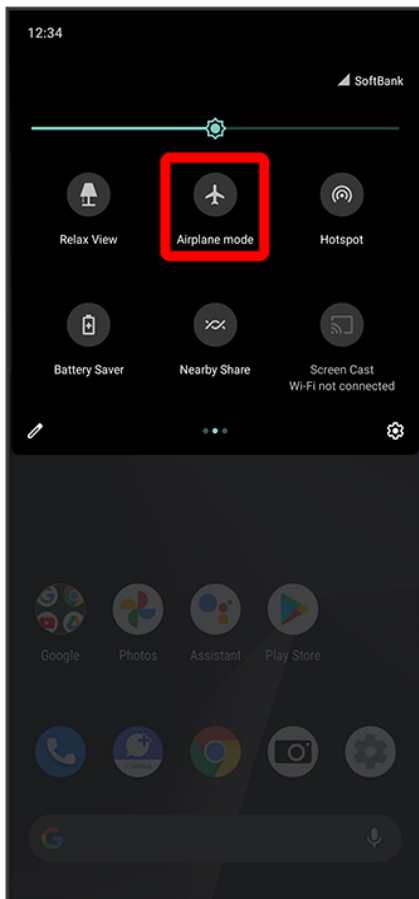



Quick Settings Window opens.

- Alternatively, to open Quick Settings Window, Flick Status Bar down with two fingers with Notifications Window closed.


Airplane mode (✈)





 Airplane mode activates.

### **Canceling Airplane Mode**

In Quick Settings Window, Airplane mode ()

### **Airplane Mode Caution**

Wi-Fi and Bluetooth® functions can be enabled after placing handset in Airplane mode. While connected to another device with handset Bluetooth® function, placing handset in Airplane mode does not disable Bluetooth® function.



# Text Entry

---

↓ [Keyboards](#)


↓ [Keyboard Layout](#)

↓ [Switching Keyboards](#)

↓ [Entering Letters](#)





## Keyboards




Use onscreen keyboards for text entry.

- Tap Text entry field for keyboard. To hide it, Tap .
- Text entry descriptions are for Google Keyboard (default input method).

### **Enabling One-Handed Mode**

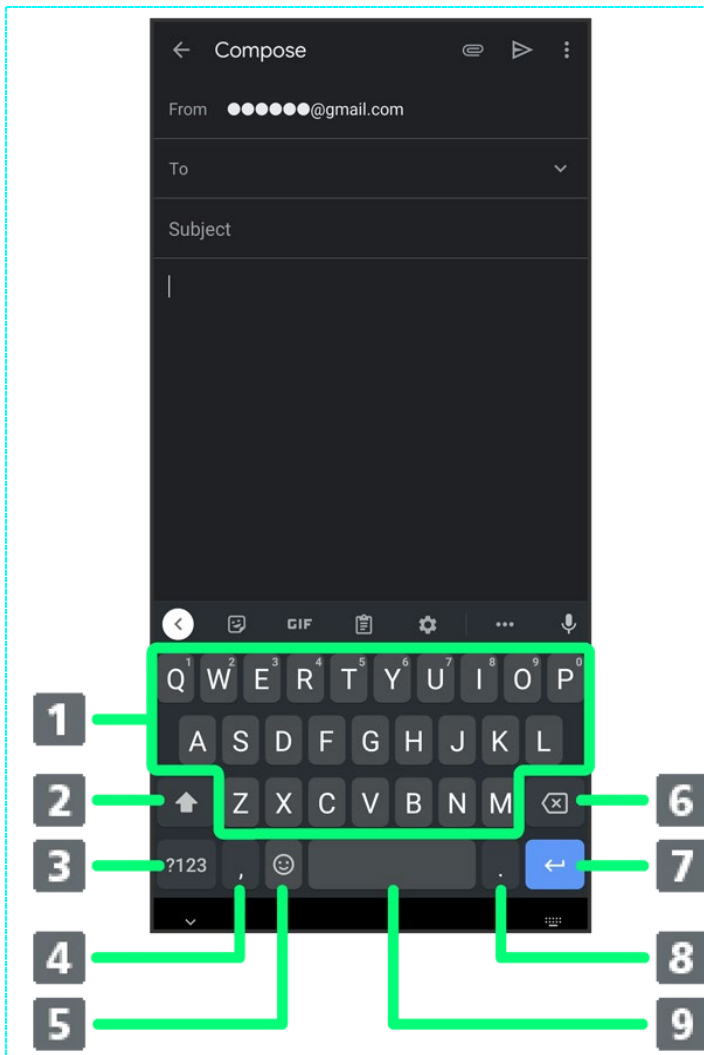
Shrink onscreen keyboard for easier one-handed operation; switch between Left-handed mode and Right-handed mode as needed.

When keyboard is open, Touch & Hold / and slide finger over /.

- Tap / to switch between Right-handed mode and Left-handed mode.
- Tap  to disable One-handed mode.



# Keyboard Layout



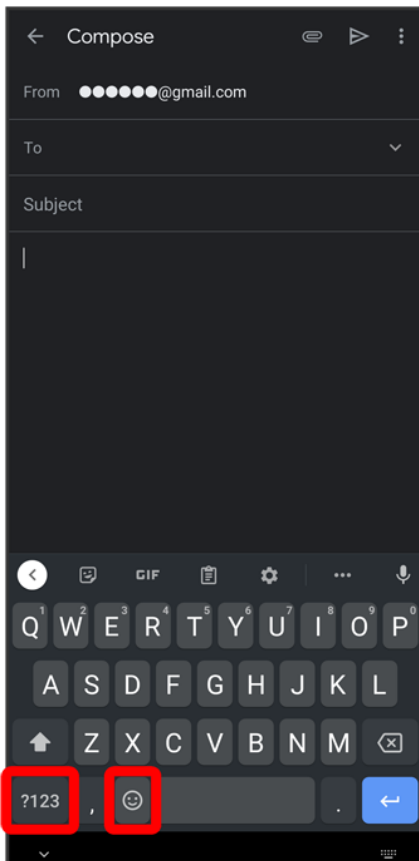
- ① Enter characters.
- ② Toggle case.
- ③ Switch to number/symbol keyboard.
- ④ Enter comma. Touch & Hold to specify settings or enable One-handed mode.
- ⑤ Switch to emoji/emoticon keyboard.
- ⑥ Delete characters.
- ⑦ Insert line break. Touch & Hold for options; enable One-handed mode, or move to other entry fields.
- ⑧ Enter period. Touch & Hold for a set of other punctuation marks and symbols.
- ⑨ Enter space.


## Switching Keyboards




1

In a text entry window,  





 Entry mode is switched.

- Tap    to toggle between alphabet entry mode and number/symbol/emoji/emoticon entry mode.

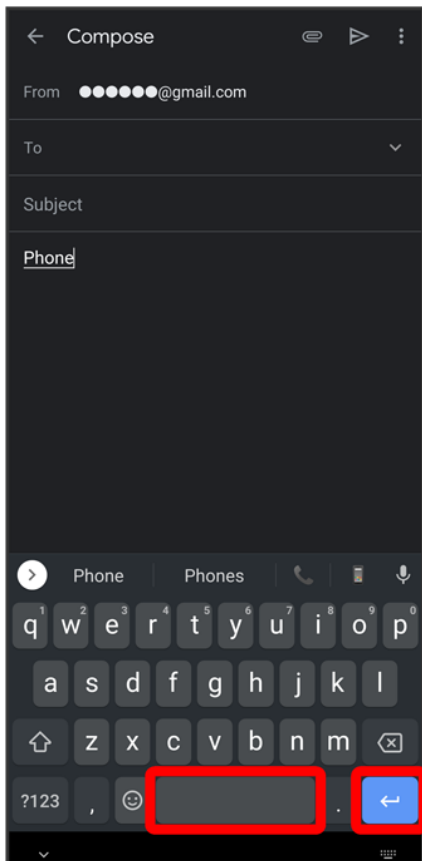
## Entering Letters

To enter Phone:




1

In a text entry window,            





🚩 Phone is entered.

- To toggle case, Tap  before typing a letter. Tap  twice to type in all capitals(). By default, the first word of each sentence is capitalized automatically.



# Using Fingerprint Authentication Function

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↓ [Fingerprint Authentication Function](#)

---

↓ [Saving Fingerprints](#)

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↓ [Performing Fingerprint Authentication](#)

---

## Fingerprint Authentication Function

Hold finger to sensor to authenticate and use handset.

Use this function to unlock screen.

### **Fingerprint Authentication Function Cautions**

Observe the following when using the fingerprint authentication function.

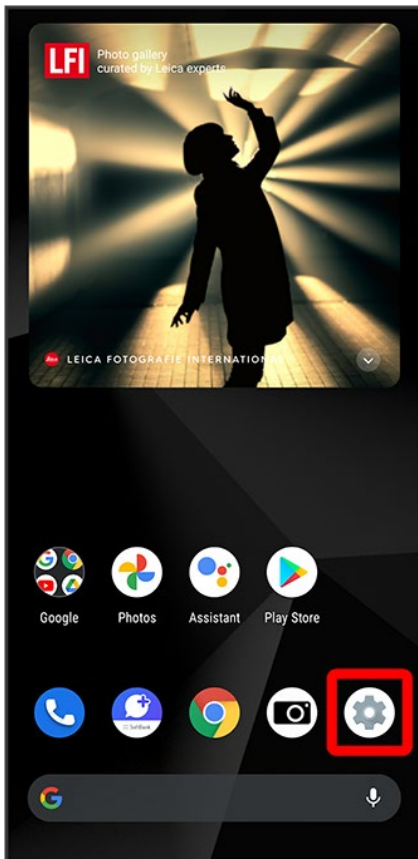
- Authentication is based on fingerprint characteristics. This function may be unusable if your fingerprint characteristics are not prominent.
- Ability to authenticate (assuming finger is held to sensor correctly) depends on conditions of use. Saving your fingerprint may be difficult if finger is in any of the following conditions. Washing/wiping hands, using different finger, saving a wider area, etc. may improve capability.
  - Wrinkled with moisture (e.g., after a bath)
  - Wet with water, sweat, etc.
  - Dry
  - Covered with handcream, etc.
  - Stained with mud or oil
  - Rough or damaged (cut, sore, etc.)
  - Fingerprint is faint (finger surface is worn)
  - Fingerprint is deformed due to weight gain or loss
  - Finger surface condition at the time of authentication is extremely different than when fingerprint was saved
- Fingerprint authentication technology does not guarantee successful personal authentication/verification. SoftBank Corp. is not liable for any damages resulting from use of handset by third party or lost opportunities to use handset.



# Saving Fingerprints

1

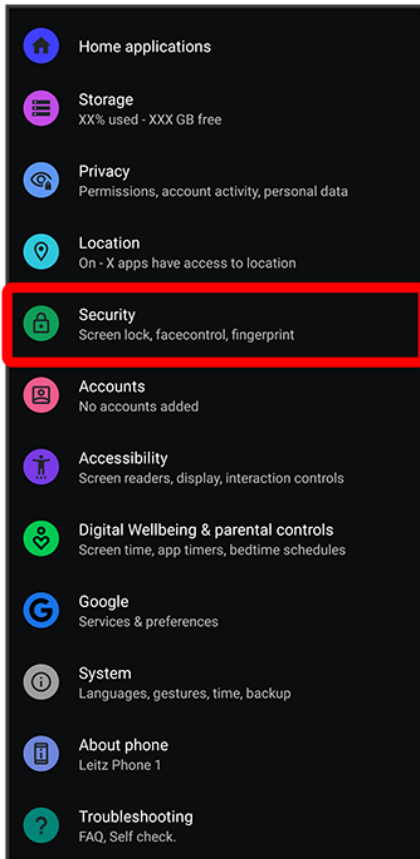
In Home Screen, ⚙️ (Settings)




2

Security



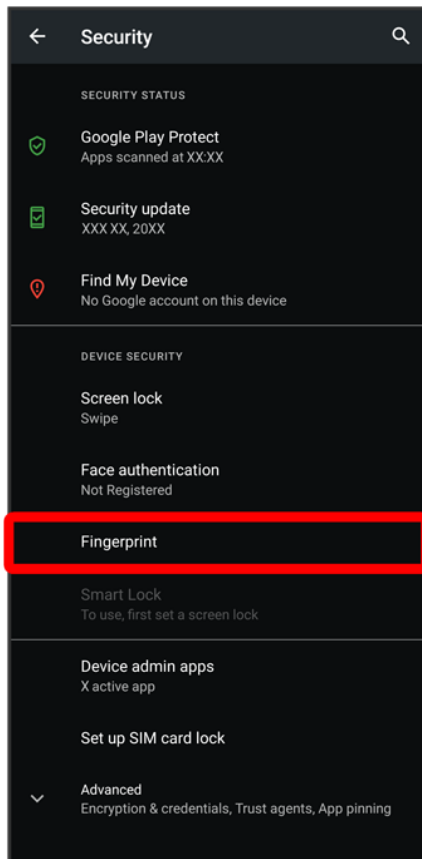



 Security menu opens.

3

Fingerprint





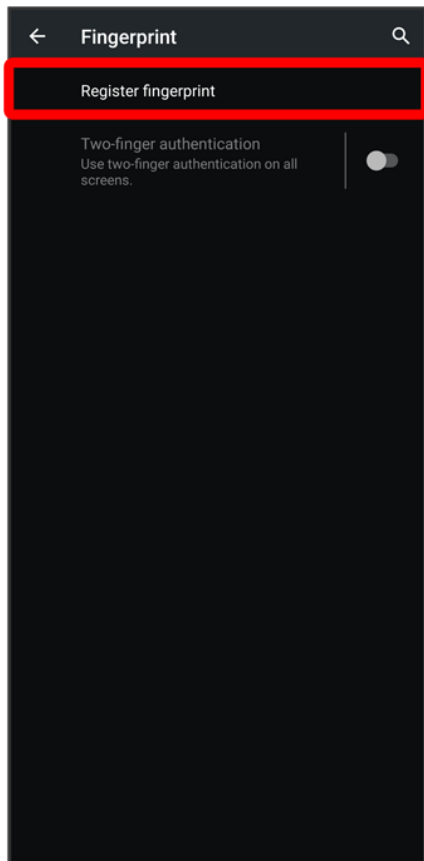
 Fingerprint settings open.

4

---

Register fingerprint



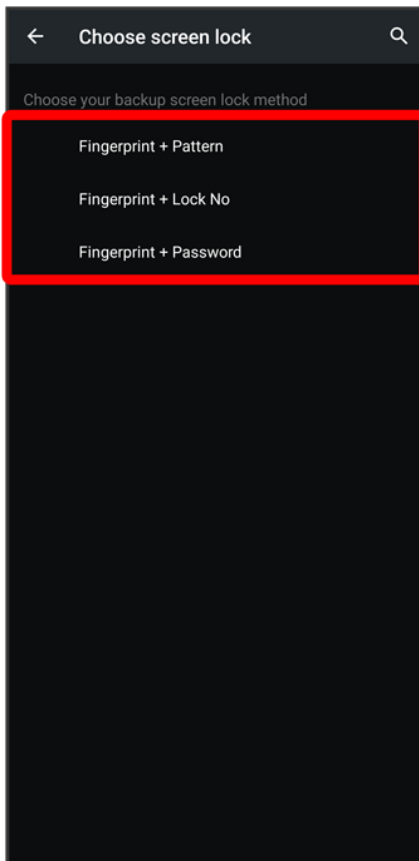


5

---

Follow onscreen prompts and set pattern / lock no. (PIN) / password for unlocking screen





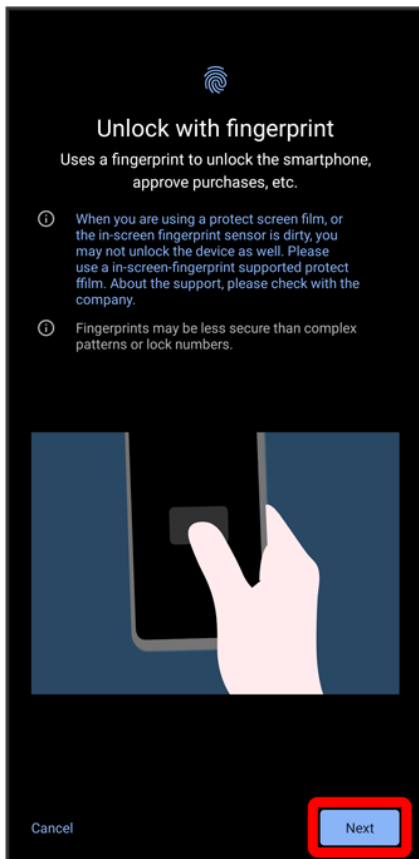
- This is a backup method for unlocking the screen if unable to authenticate with your fingerprint.
- If method for unlocking screen is setting other than **None** or **Swipe**, first unlock screen.
- See "Setting Screen to Unlock by Tracing Pattern," "Requiring Lock No. (PIN) Entry for Unlocking Screen," and "Setting Screen to Unlock with Password" for details on setting a method for unlocking screen.

6

---

Next



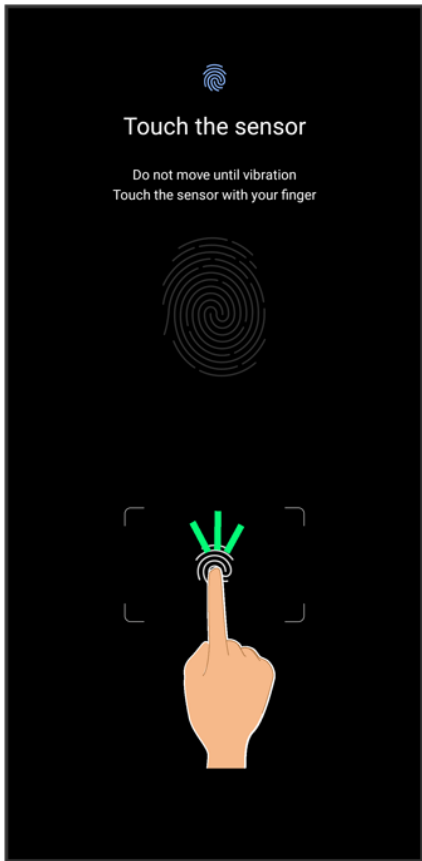


7

---

Hold finger to sensor until handset vibrates



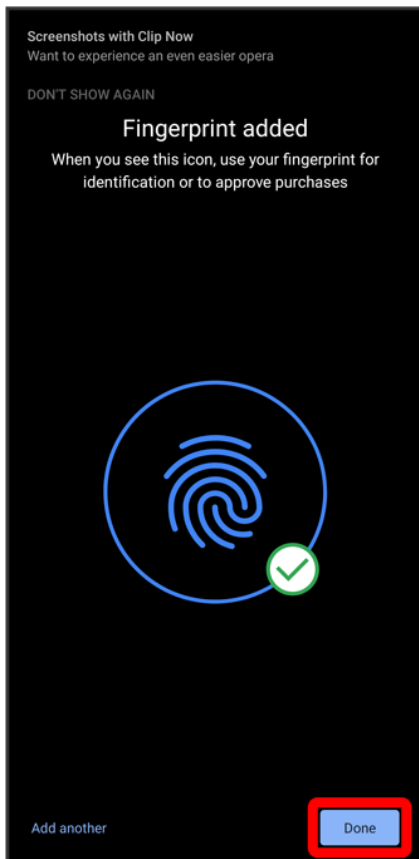


- If finger is already saved, use another finger.

8

Done





 Fingerprint is saved.

- To save other fingerprints, Tap **Add another**.



## Saving Fingerprints

### Savable Number of Fingerprints

Save up to 5 fingerprints.

### Backup Screen Unlock Methods

Make sure not to forget pattern / lock no. (PIN) / password set as backup for unlocking screen.



## Fingerprint Saving Operations

### Setting/Changing Names of Saved Fingerprints

In fingerprint settings, **Register fingerprint** → Enter pattern / lock no. (PIN) / password  
 → Tap saved fingerprint → Enter name → **OK**





### Deleting Fingerprints

In fingerprint settings, **Register fingerprint** → Enter pattern / lock no. (PIN) / password  
 →  for saved fingerprint → **YES, REMOVE**


### Setting Whether to Use Two Fingers when Authenticating



In fingerprint settings,  /  for "Two-finger authentication"

- Tap  to toggle on (  ),  to toggle off (  ).
- Save at least two fingerprints beforehand.
- If confirmation appears, follow onscreen prompts.

### Setting Screen for Authenticating with Two Fingers

In fingerprint settings, **Two-finger authentication**  **Use two-finger authentication on all screens.** / **Use one-finger authentication for unlock only.**

### ? Troubleshooting

**Q** Failure to save fingerprint

**A** Keep your finger pressed on the sensor slightly harder. Using a different finger may also improve authentication performance.

### ! Fingerprint Sensor Cautions

Observe the following when using Fingerprint Sensor.

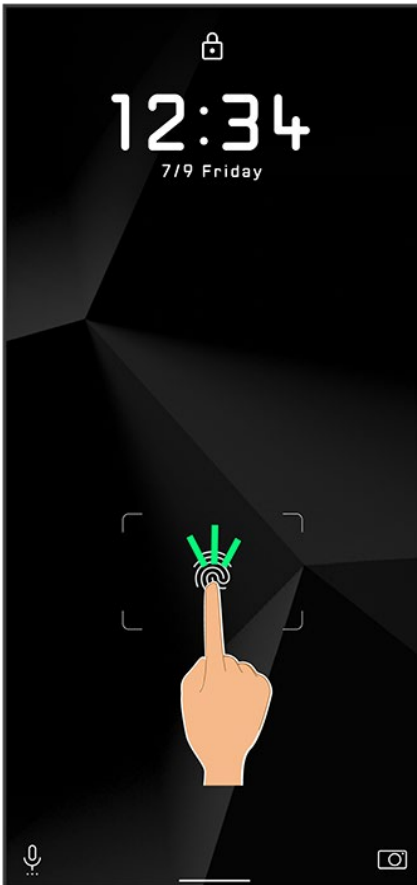
- Do not hit or subject handset to excessive shock. Do not hit or subject handset to excessive shock. Do not scratch sensor surface or poke with a pen, pin, or other pointed object.
- Do not place stickers on sensor surface or mark with ink.
- Dust, smudges, or other soiling on sensor may affect authentication. Clean the Fingerprint Sensor surface from time to time.
- Holding finger to sensor for too short/long a time may affect authentication. Hold finger straight on sensor so that spiral of fingerprint is in center of sensor.
- Fingerprint Sensor may not activate if you start saving your fingerprint or performing authentication with your finger on the sensor. Release it and retry.
- To save or authenticate your fingerprint, press the screen firmly.
- If you have a protective film on the screen, or if the fingerprint sensor area on the screen is dirty, the lock will not get unlocked.
- If you have placed a protective film on the screen, save your fingerprint above it again.
- The brightness and color of the screen may change slightly while your fingerprint is being authenticated.




# Performing Fingerprint Authentication

1

In authentication window, hold finger to sensor



 Fingerprint is authenticated.

- If **Double-tap to show fingerprint sensor when the screen is turned off** is enabled, Tap twice while Display is off (screen lock) for Fingerprint Sensor. Also if **You can unlock screen just by touching the fingerprint sensor even when the screen is turned off** is enabled, hold finger to Fingerprint Sensor while Display is off (screen lock) to unlock screen. See "Fingerprint Sensor Settings" for details.

## Troubleshooting

**Q** Fingerprint is not authenticated

**A** Remove finger then try authenticating again.

Or, Flick lock screen up and unlock screen using backup unlock method set when



saving fingerprint.



# Updating the System

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Check whether system updates are required via the network, and update manually as required. Checking/updating does not incur transmission fees.

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## Updating the System

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### Software Update Cautions

#### Applications

Applications may be updated or newly added, or names, icons, operations and user interfaces of applications may be changed.

#### System Update Cautions

Observe the following before a system update.

- It may take time to update the system.
- Operate handset where signal reception is good and without changing location. Also operate with adequate battery charge. Signal becoming weak or Battery becoming low during a system update may cause an update failure (an update failure may disable handset).
- Never remove SIM Card or power off handset during a system update. Doing so may cause the update to fail. An update failure may disable handset. If handset becomes disabled, contact Customer Service.

#### Data Backup

Saved data may be lost depending on condition of handset (malfunctioning, damaged, water seepage, etc.). It is recommended that you back up important data before updating the system. SoftBank Corp. is not responsible for damages from loss of data.

## Updating the System

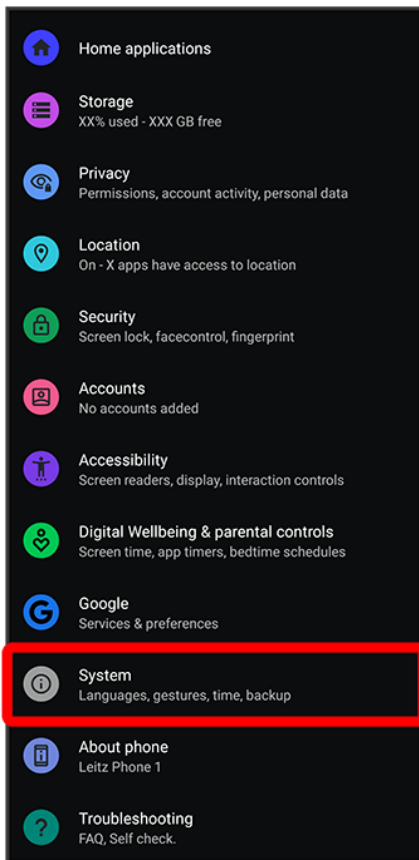
Notification appears when a system update is required. Tap the notification and follow onscreen prompts. If notification does not appear, check whether a system update is required as follows and update the system.

### 1

---



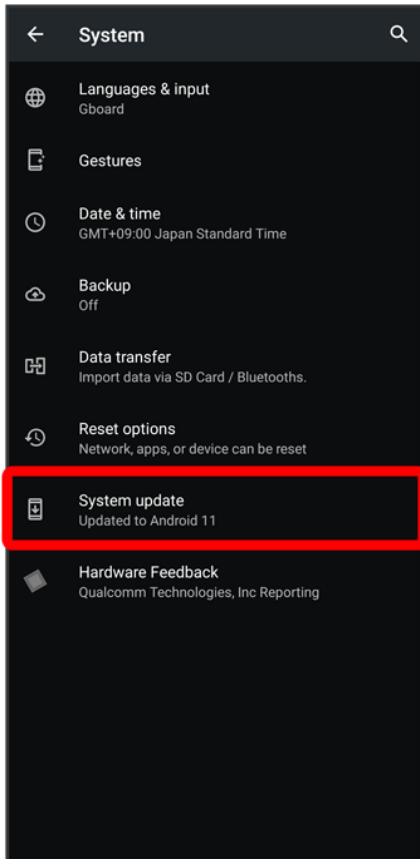
In Home Screen,  (Settings)  System




2

Advanced  System update





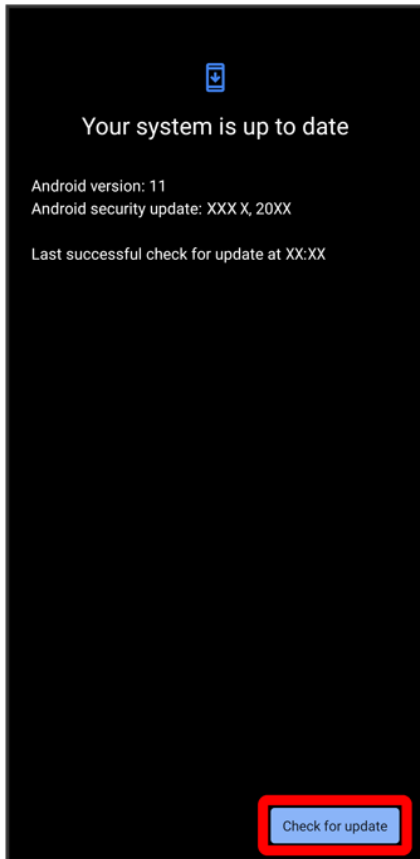
 System update window appears.

3

---

Check for update



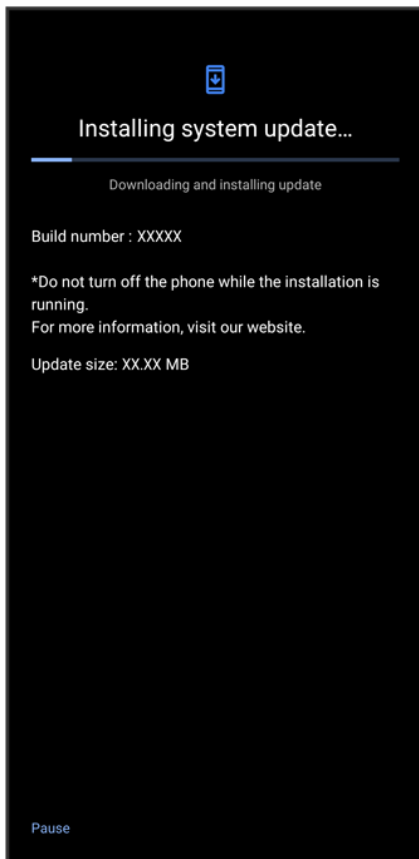


4

---

Continue by following onscreen prompts





 System update begins.

- Use other functions during a system update. However, for 10 days after a system update notification, update installation pauses while using other functions. Tap **Resume** to restart the installation and also use other functions.
- After the system update proceeds, **Restart now** appears at the end. Tap and complete the system update.



### **If Handset Does Not Restart after Tapping "Restart now"**

An update failure may disable handset. If handset is disabled, contact your contracted SoftBank Customer Service.




# Handset Screens

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- ↓ Lock Screen Layout
- ↓ Home Screen & App List
- ↓ Home Screen Layout
- ↓ Toggling Home Screen Sheets
- ↓ App List Layout
- ↓ Portrait Orientation & Landscape Orientation
- ↓ Multi-Window
- ↓ Capturing Screenshots
- ↓ Changing Wallpaper
- ↓ Adding Shortcuts
- ↓ Adding Widgets
- ↓ Setting LFI Widget
- ↓ Adding Folders
- ↓ Moving Icons/Widgets
- ↓ Making Home Screen Settings

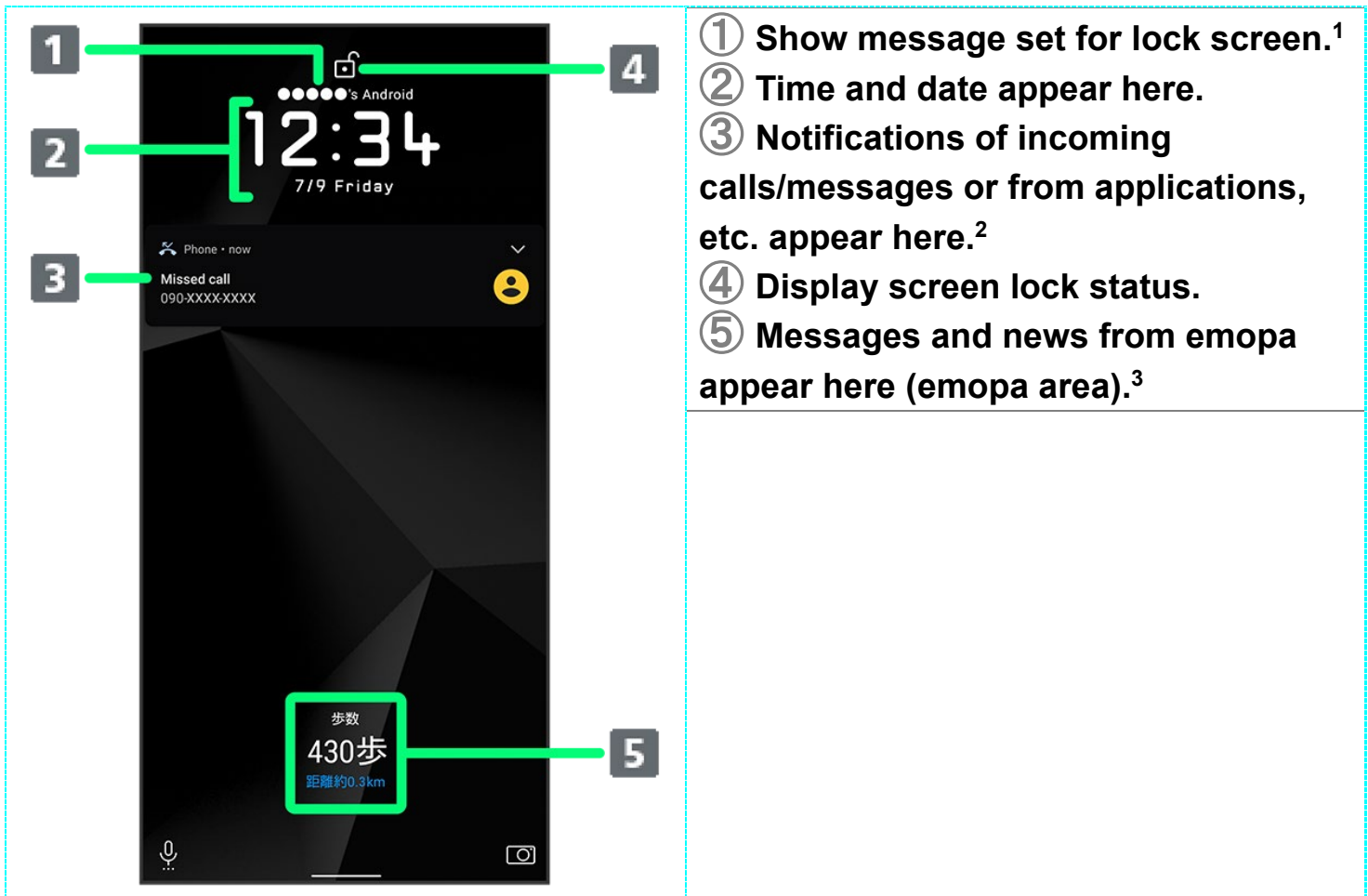
## Lock Screen Layout

Lock screen appears at power on or when Power Key is Pressed while Display is turned off (screen lock active).

From lock screen, unlock screen, or quickly activate Google Assistant (Flick screen from bottom left up to the right) or  (Camera) (Flick screen from bottom right up to the left).

Change Wallpaper for lock screen as needed. See "Changing Wallpaper" for details.





- ① Show message set for lock screen.<sup>1</sup>
- ② Time and date appear here.
- ③ Notifications of incoming calls/messages or from applications, etc. appear here.<sup>2</sup>
- ④ Display screen lock status.
- ⑤ Messages and news from emopa appear here (emopa area).<sup>3</sup>

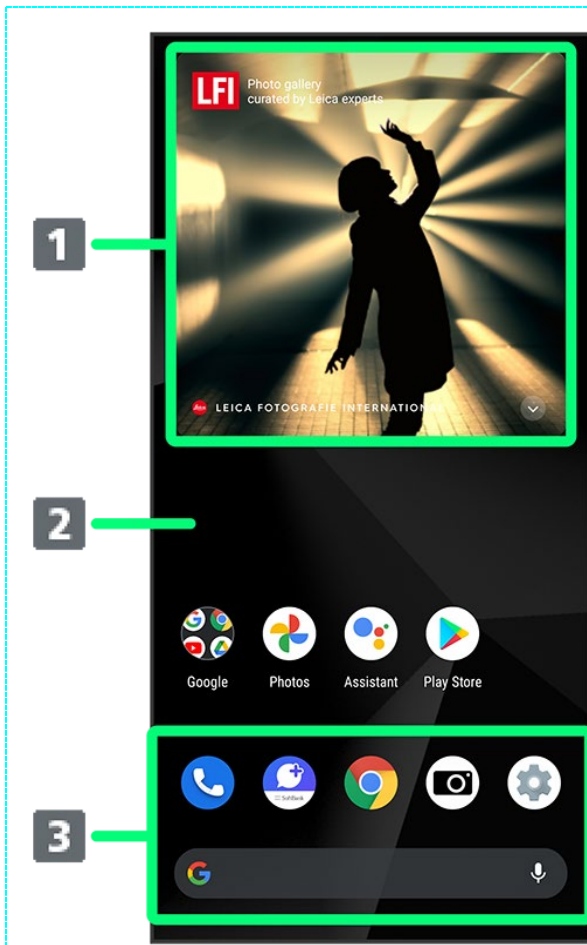
- 1 Appears when **Lock screen message** is set. See "Display Settings" for details.
- 2 If **Organize notifications on the lock screen** is enabled, a notification viewed the first time does not appear the second and subsequent times. See "Display Settings" and "Applications & Notifications" for details.
- 3 Appear when emopa is configured. See "エモパーを利用する" (Japanese) for details.

## Home Screen & App List

Most handset operations start in Home Screen or in app list. Flick Home Screen up to display app list and activate applications or change handset settings (To change Home Screen, switch to another home screen app.)



## Home Screen Layout



### ① LFI Widget

Show photos published in LEICA FOTOGRAFIE INTERNATIONAL (LFI). Tap / to toggle display of photos.<sup>1</sup>

### ② Desktop sheet

Place application shortcuts, folders, widgets freely. Flick left/right to toggle sheets.

### ③ Favorites Tray

Place application shortcuts and folders freely. Activate applications quickly from any Home Screen sheet or use Google™ Search Bar.

1 Set photo type to display beforehand. See "Setting LFI Widget" for details.

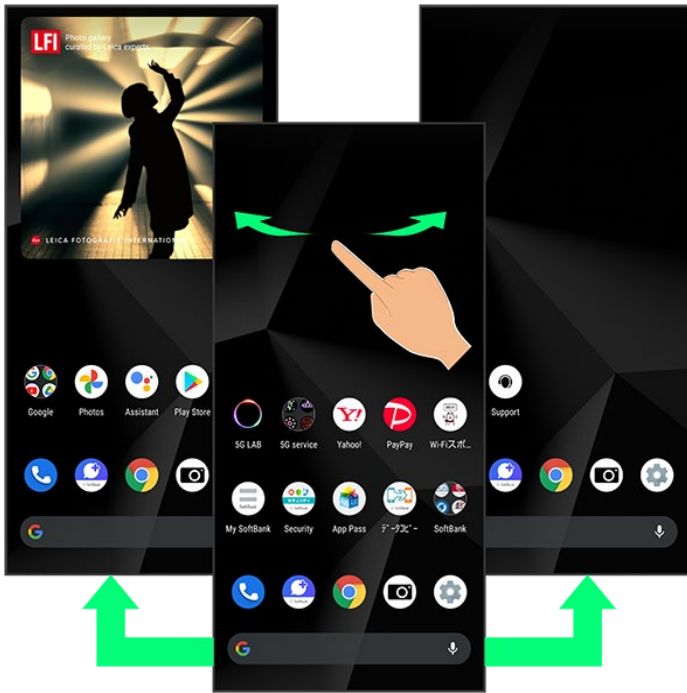
## Toggling Home Screen Sheets

Home Screen consists of several sheets.

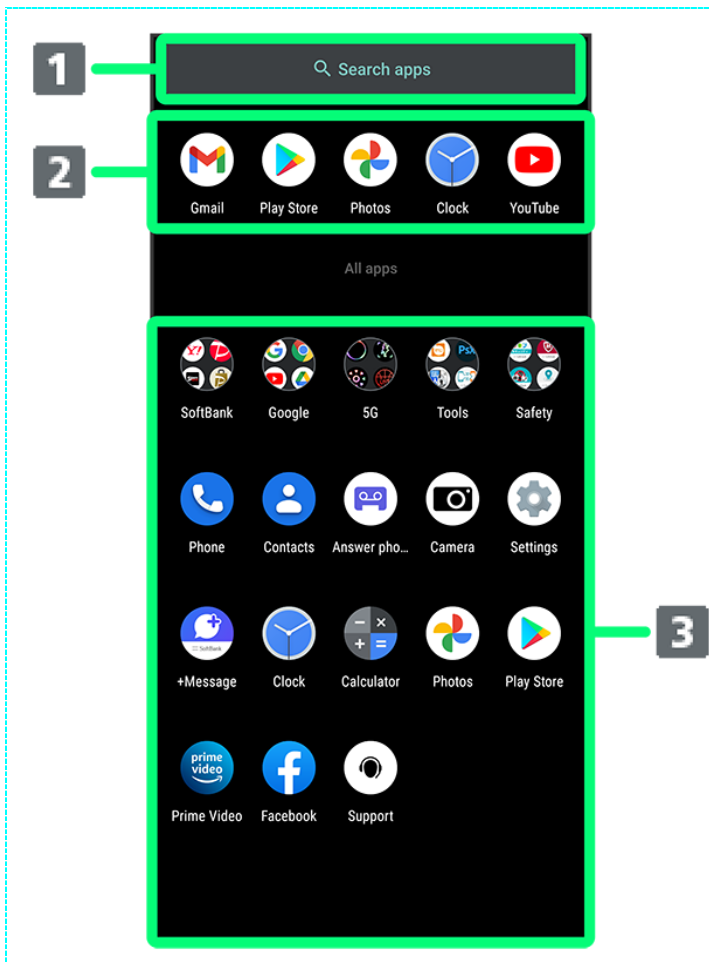
Flick left/right to toggle Home Screen sheets.

- Adding widgets and function shortcuts in Home Screen adds more Home Screen sheets. See "Adding Shortcuts" and "Adding Widgets" for details.








## App List Layout



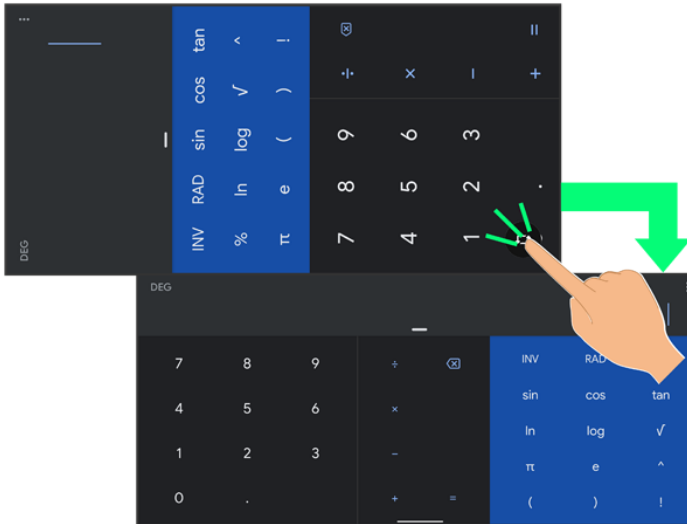
- ① Search for application
  - ② View predicted applications
  - ③ App list
- Tap to activate applications. See "Activating Applications" for details.



## Portrait Orientation & Landscape Orientation

 appears in Navigation Bar when handset is rotated horizontally. Tap  to switch current screen to landscape orientation. To switch screen to portrait orientation, rotate handset vertically and Tap .

Enable **Auto-rotate screen** to allow current screen to switch to landscape orientation when handset is rotated sideways. See "Quick Settings Window Layout," "Display Settings," and "Accessibility" for details.



## Multi-Window

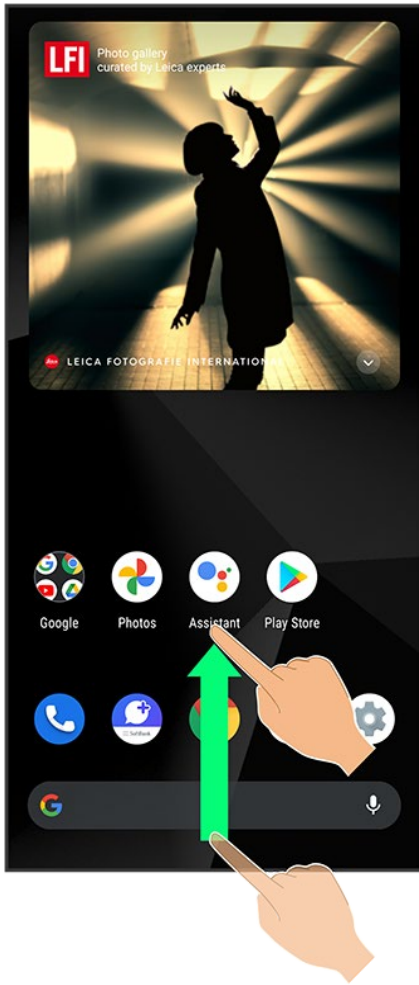
Split screen to view and operate two applications.


- Viewing in Multi-Window is not available for some applications.

1

Drag bottom of Display up





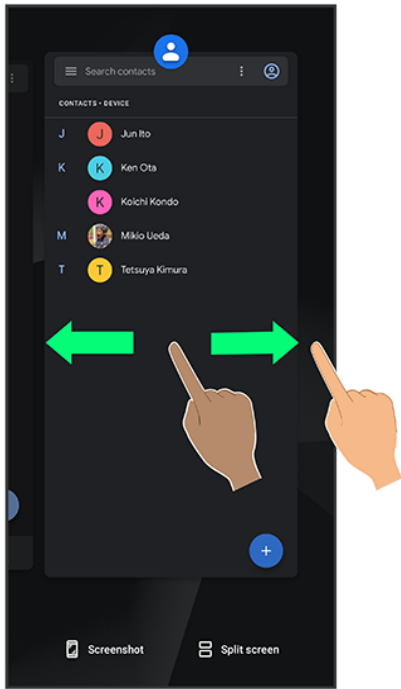
 Recent apps window opens.

2

---

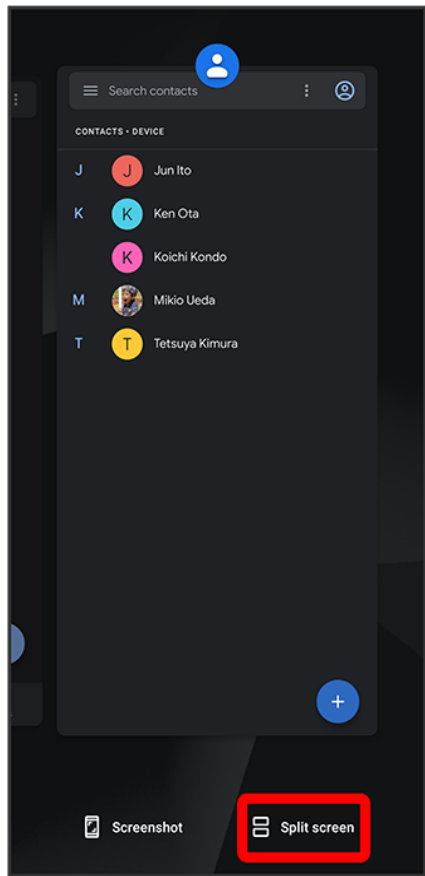
Drag recently used applications to the left or right and Tap application to use in history






3

### Split screen

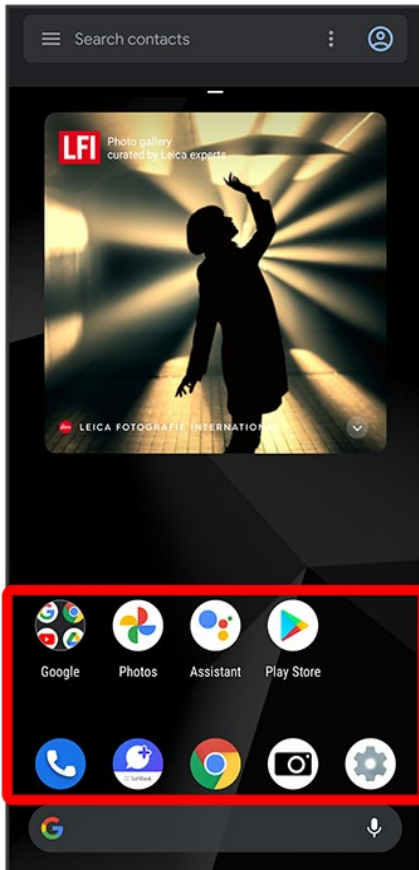






 Multi-Window opens, and selected application opens at top of Display.

4

In Home Screen/app list, Tap application to use



 Tapped application opens at bottom of Multi-Window.

- Alternatively, in recent apps window, Tap icon of application in list  **Split screen** to split the screen.

## Multi-Window Operations


### Changing Top/Bottom Areas of Multi-Window

Drag pane bar () up or down

### Switching between Applications

Flick  up  Tap application

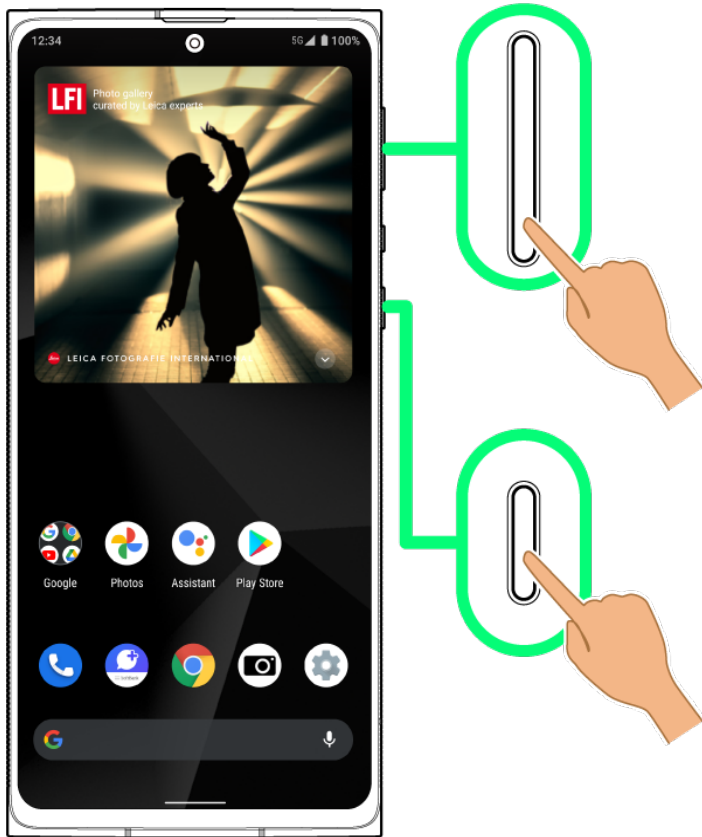
### Exiting Multi-Window


Flick pane bar () up/down



## Capturing Screenshots

Long Press Power Key and Volume Down Key at the same time to capture a screenshot of the current screen.



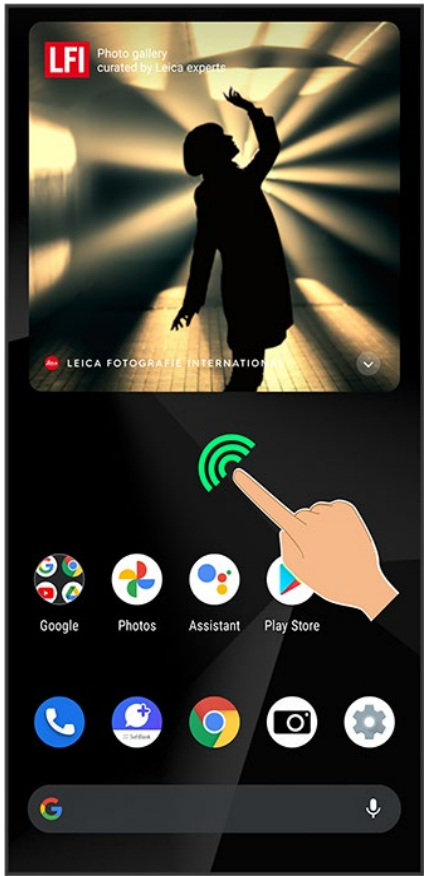
- May be unavailable for some applications.
- View captured screenshots in  (Photos), etc.
- Alternatively, use Clip Now and drag Display from corner to center to capture a screenshot. See "Capturing Screenshots (Clip Now)" for details.

## Changing Wallpaper

1

Touch & Hold open area of Home Screen

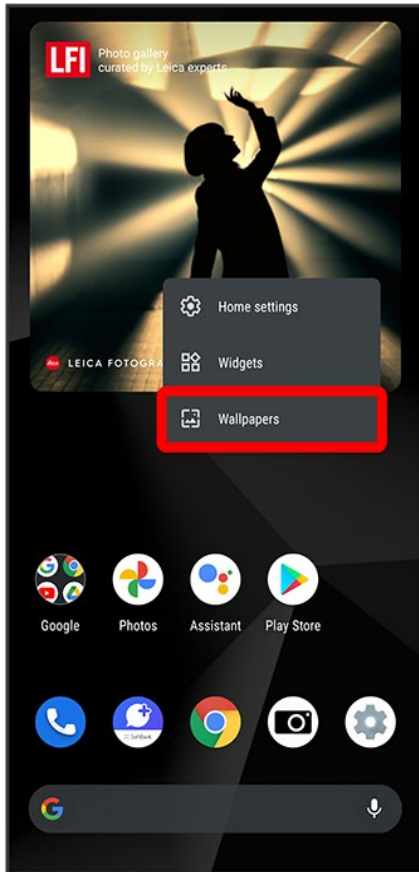




2

Wallpapers

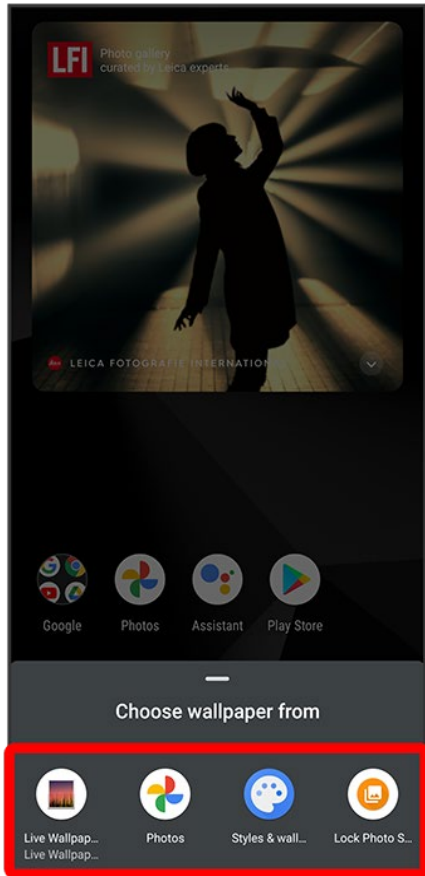




3

Tap application (📷 (Photos) etc.)

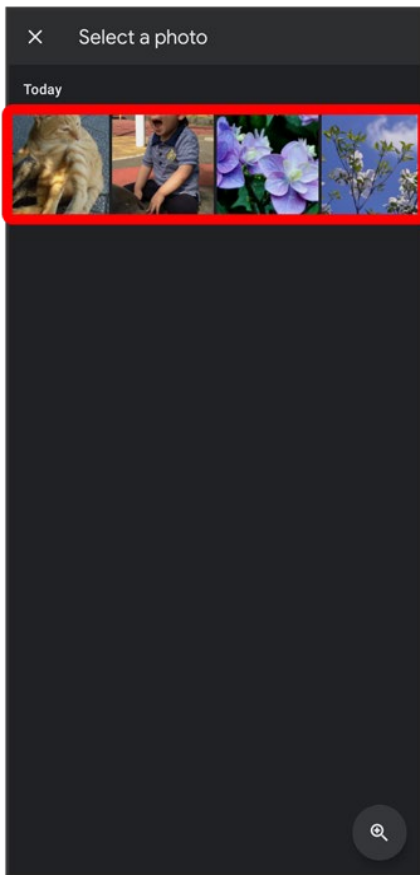




4

Select image





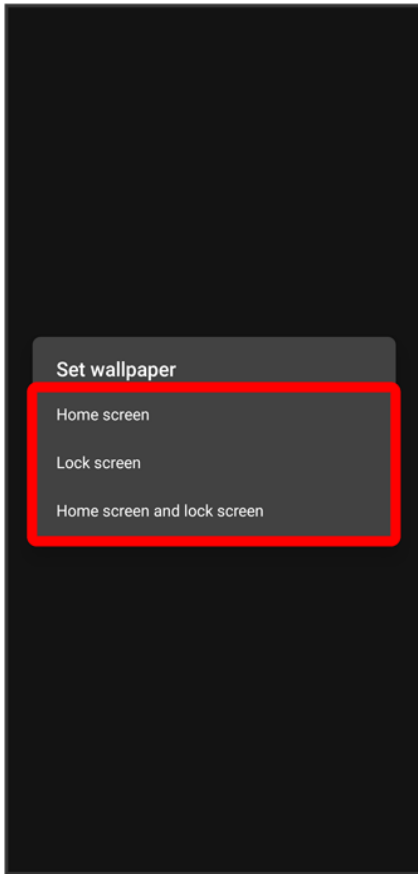
- Operations may vary depending on selected item. Follow onscreen prompts.

5

---

Home screen/Lock screen/Home screen and lock screen





🚩 Setting is complete.

- Tap **Home screen** to set the image as Wallpaper for Home Screen only.
- Tap **Lock screen** to set the image as Wallpaper for lock screen only.
- Tap **Home screen and lock screen** to set the image as Wallpaper for both Home Screen and lock screen.

### **Using Lock Photo Shuffle**

Change Wallpaper randomly each time lock screen appears.

Touch & Hold open area of Home Screen → **Wallpapers** → **Lock Photo Shuffle** → **Lock Photo Shuffle** (🔵) → Select folder to show with Lock Photo Shuffle (✅)

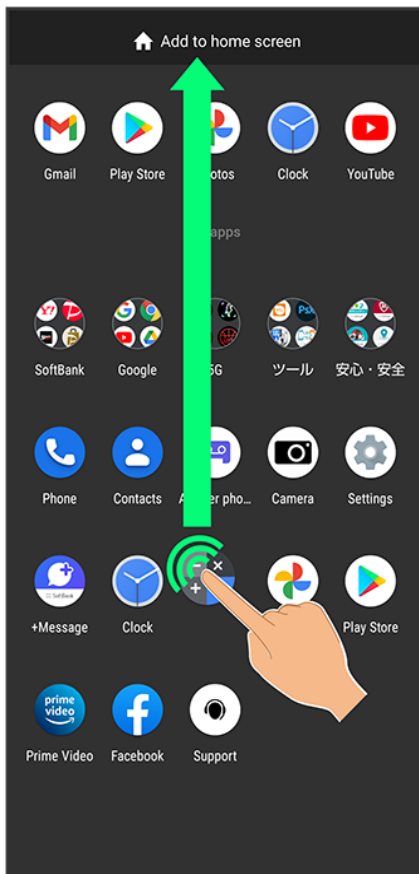
- All images in selected folder appear randomly.
- Tap ➤ at right of folder name to view images in folder.
- Alternatively, in Home Screen, ⚙️ (Settings) → **Useful** → **Lock Photo Shuffle** to use Lock Photo Shuffle.



# Adding Shortcuts

1

In app list, Touch & Hold application and Drag to "Add to home screen"



Shortcut is added automatically.

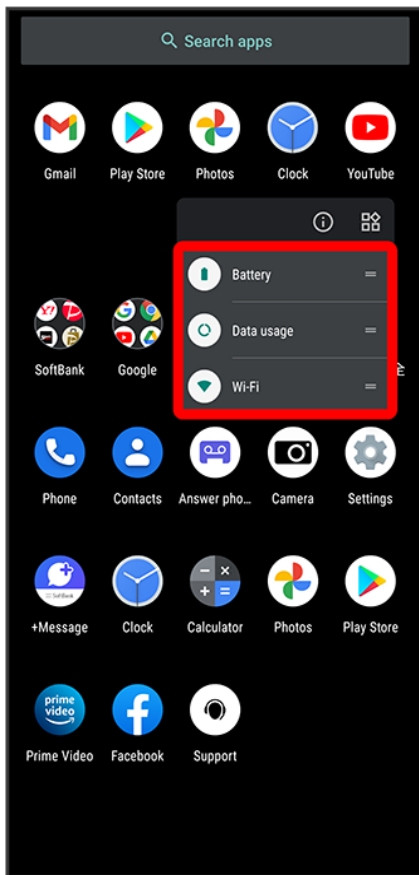


## Function Shortcuts


With some applications, Touch & Hold for shortcuts to functions. Touch & Hold function shortcut then release finger at location in Home Screen to add function shortcut.

- Drag to sheet visible at edge of Display to toggle sheets and add function shortcut.
- Drag to rightmost sheet to add one more sheet and add.





## Deleting Shortcuts

In Home Screen, Touch & Hold icon  Drag to "Remove"

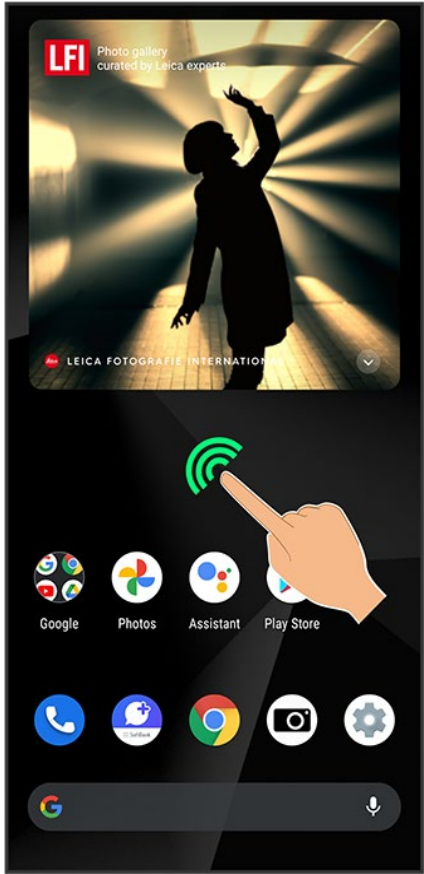
## Adding Widgets

Add Chrome™ bookmarks, Analog clock, etc. as follows.

1

Touch & Hold open area of Home Screen

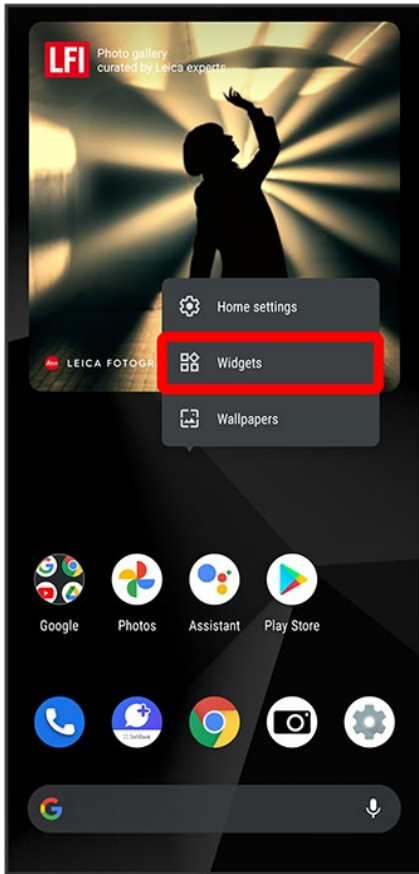




2

Widgets





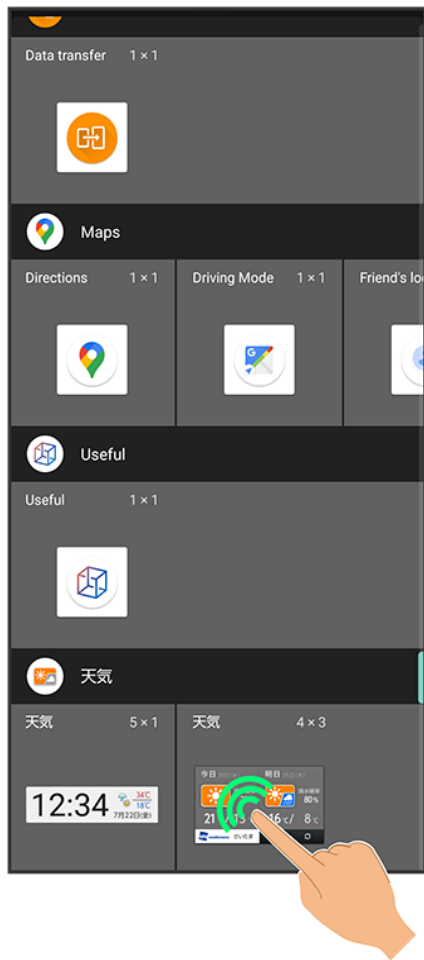
 A list of widgets opens.

**3**

---

Touch & Hold widget





4

Drag to location to add widget





Widget is added.

- Drag to sheet visible at edge of Display to toggle sheets and add. Drag to rightmost sheet to add one more sheet and add.

## + Removing Widgets

In Home Screen, Touch & Hold widget → Drag to "Remove"

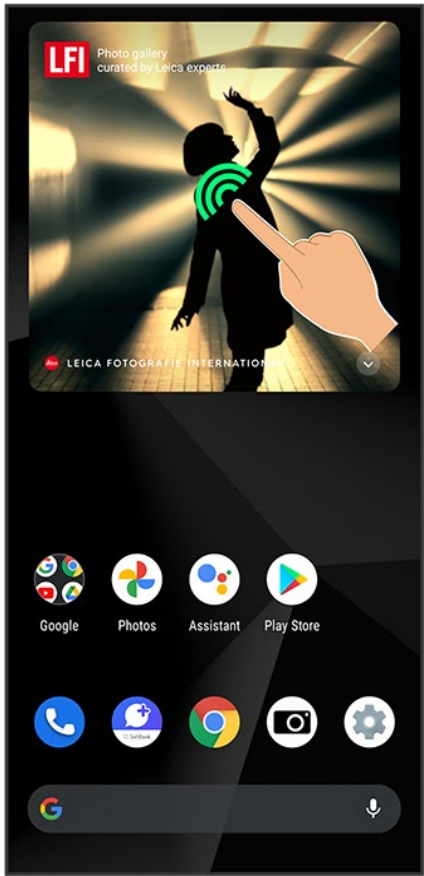
## Setting LFI Widget

Set photo types to display in LFI Widget.

1

In Home Screen, Touch & Hold LFI Widget





2

Drag to "Setup"

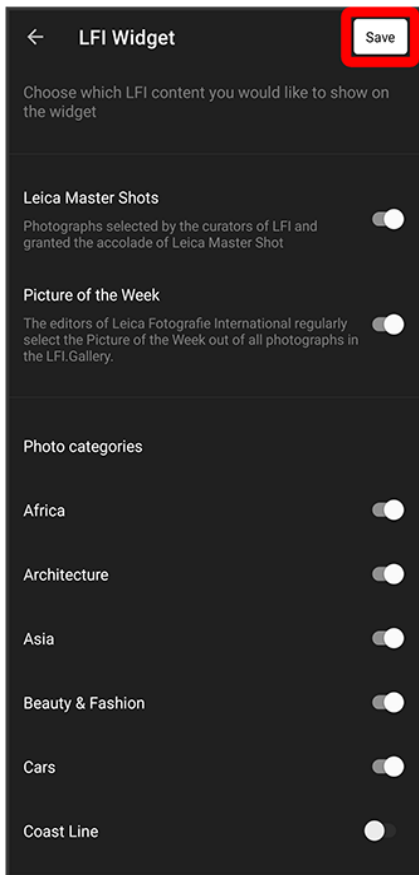





3

Set each item ➡ Save





 Setting is complete.

## Adding Folders

Add folders to collect icons.

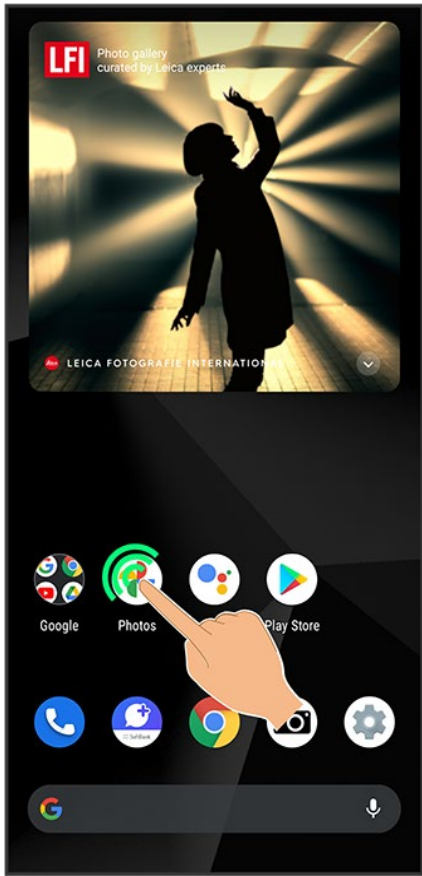
- Folders can also be created in Favorites Tray and app list.

1

---

In Home Screen, Touch & Hold icon to place in folder





2

Drag to another icon to group with






Folder is added, and two icons are saved in the folder.

## **Folder Operations**

### **Changing Folder Names**

In Home Screen, Tap folder → Tap area to enter folder name at bottom of window →  
Enter folder name → 

- Change folder names the same way in Favorites Tray and app list.

### **Placing Icons in Folder**

In Home Screen, Touch & Hold icon → Drag to folder

- Place icons the same way in Favorites Tray and app list.

### **Moving Icons Out of Folder**

In Home Screen, Tap folder → Touch & Hold icon → Drag it out of folder

- Move icons the same way in Favorites Tray and app list.

### **Deleting Folders**

In Home Screen, Touch & Hold folder → Drag to "Remove"

- Delete folders the same way in Favorites Tray.
- Applications in folder are also deleted.

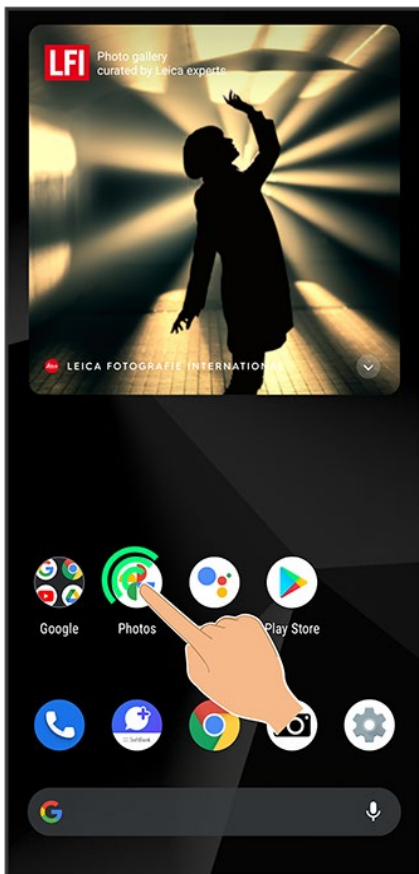


# Moving Icons/Widgets

Icons can also be rearranged in Favorites Tray and app list.

1

In Home Screen, Touch & Hold icon/widget



2

Drag to target location

 Icon/widget is moved.

- To a folder: Drag icon to target folder.



# Making Home Screen Settings

Settable items are the following.

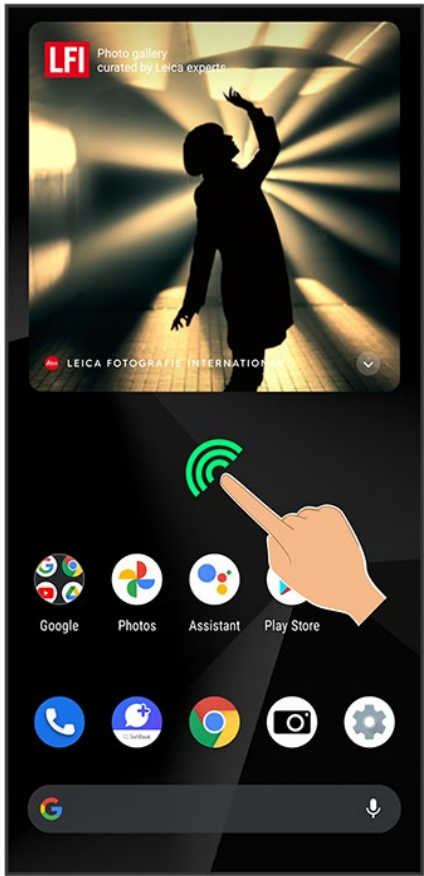
Item	Description
<b>Notification dots</b>	Set whether to show dots with application icons for notifications. See "Applications & Notifications" for details.
<b>Add number on notification dots</b>	Set whether to show number of notifications with notification dots.
<b>Add app icons to Home screen</b>	Set whether icon is added to Home Screen after downloading new application.
<b>Display Google app</b>	Set whether to show news, weather, etc. at left of Home Screen.
<b>Display Google Search widget</b>	Set whether to show Google Search Bar in Favorites Tray.
<b>App suggestions</b>	Set whether to show application suggestions in app list and Recents.
<b>Allow Home screen rotation</b>	Set whether to rotate Home Screen with handset orientation automatically.

1

---

Touch & Hold open area of Home Screen

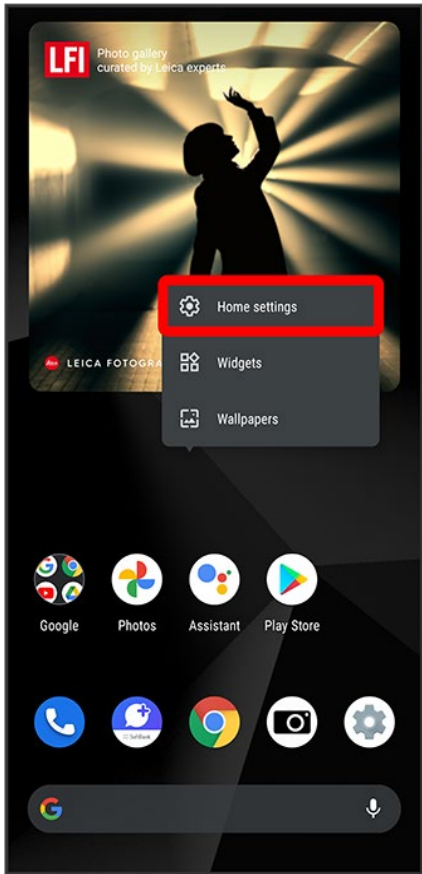




2

Home settings





3

### Set items

🚩 Settings are complete.

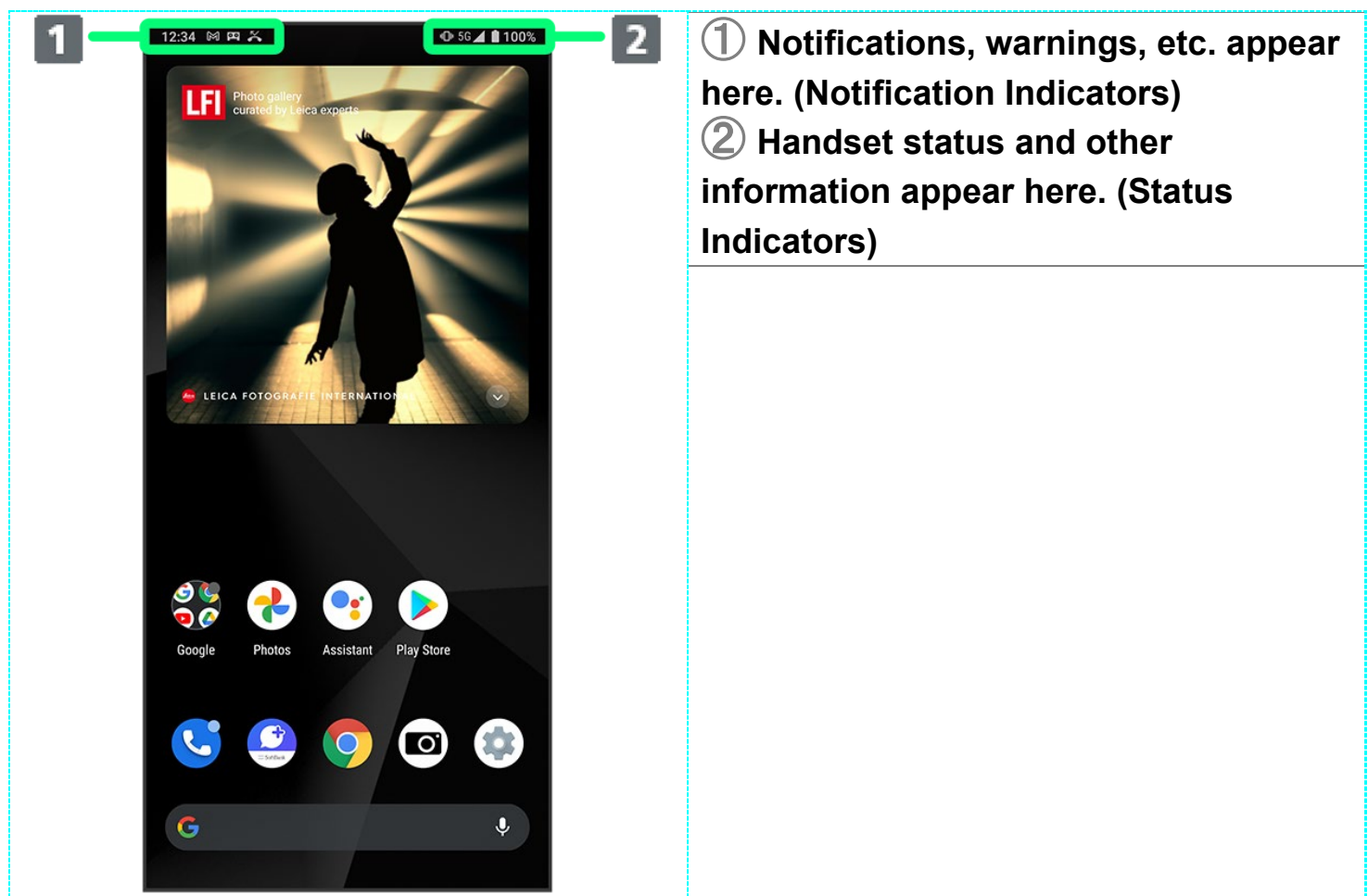


# Icons at Display Top (Status Bar)

Indicators (new message notification, handset status, etc.) appear at the top of Display.

- ↓ Status Bar Layout
- ↓ Main Notification Indicators
- ↓ Main Status Indicators

## Status Bar Layout

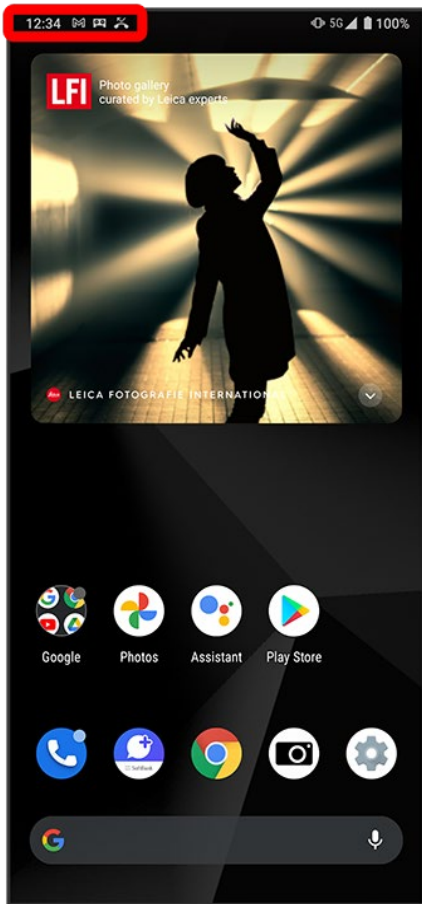


## Main Notification Indicators

Notification Indicators appear on the left.

- Notification Indicators do not appear in lock screen.





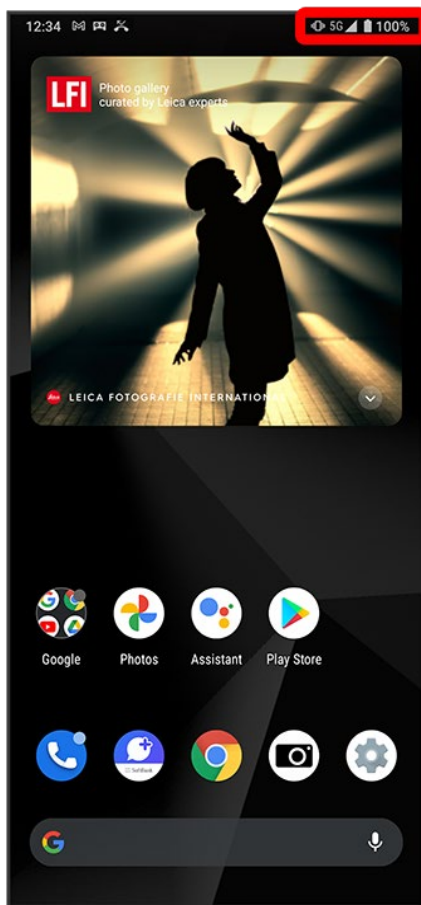
Indicator	Description
<b>12:34</b>	Time
	Glove Mode On
	Battery level less than about 15%
	Call (Dialing/Arriving/in Progress)
	Call on Hold
	Missed Call
	New Answer Phone Message
	New Voicemail
	New SMS/+Message
	New Gmail™
	New Urgent News
	Alarm Sounding/Snoozing/Upcoming Alarm
	Calendar Event Notification
	Application Update Notification
	Application Installation Complete
	High-Quality Public Network Available
	Data Communication Disabled
	Data Sent
	Data Downloaded/Received
	Bluetooth® Data Reception Request
	VPN Connected
	Error Indication <sup>1</sup>
	Mounting SD Card
	Screenshot Failed
	More Notifications
	Space Low in Internal Storage
	System Update Information
	Gaming Menu in Use

2 Appears when an error occurred.



# Main Status Indicators

Status Indicators appear on the right.



Indicator	Description
	Battery Strength(100%)
	Battery Strength (less than about 15%)
	Energizing
	Battery Saver On
	Signal Strength (Strong)
	Signal Strength (Fair)
	Signal Strength (Weak)
	No Signal (5G/4G LTE/4G/3G)
	5G Data in Use <sup>1</sup>
	4G LTE/4G Data in Use <sup>2</sup>
	3G Data in Use
	Roaming
	Wi-Fi Connected (Strong)
	Wi-Fi Connected (Fair)
	Wi-Fi Connected (Weak)
	Communication in Use
	Airplane Mode
	Bluetooth® Connected
	Talking with Speakerphone
	Talking while Muted
	Manner Mode (Vibe)
	Manner Mode (Mute)
	Do Not Disturb Set
	Wi-Fi Hotspot Tethering in Use
	Getting Location Information
	Alarm Set
	Hidden Statuses

- 1 Although "5G" may appear in standby (top of Display), this may change to "4G" with data communication then being by the 4G network.
- 2 Corresponding indicator appears when handset is connected to FDD-LTE (SoftBank 4G LTE) or AXGP (SoftBank 4G). Between these Networks, handset connects to SoftBank 4G whenever possible.



# Checking Notifications (Notifications Window)

---

Open notifications and check handset status.

---

↓ [Opening Notifications Window](#)

---

↓ [Notifications Window Layout](#)

---

↓ [Checking Notifications](#)

---

↓ [Deleting Notifications](#)

---

↓ [Deleting All Notifications](#)

---

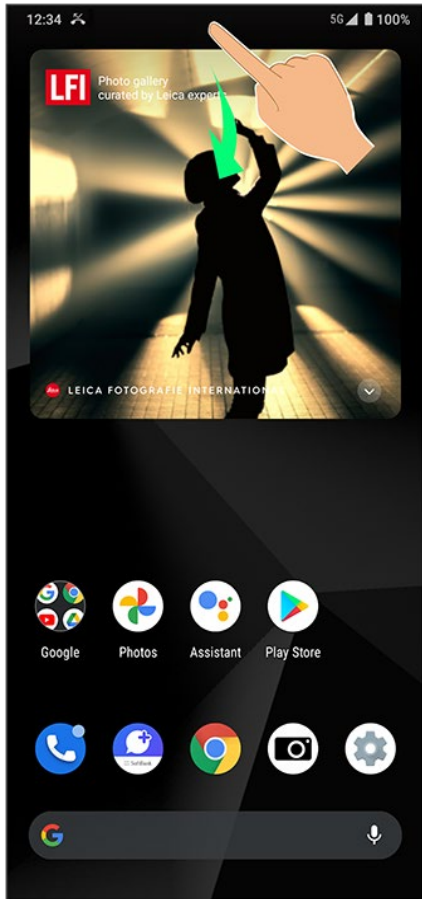
## Opening Notifications Window

1

---

Flick Status Bar down





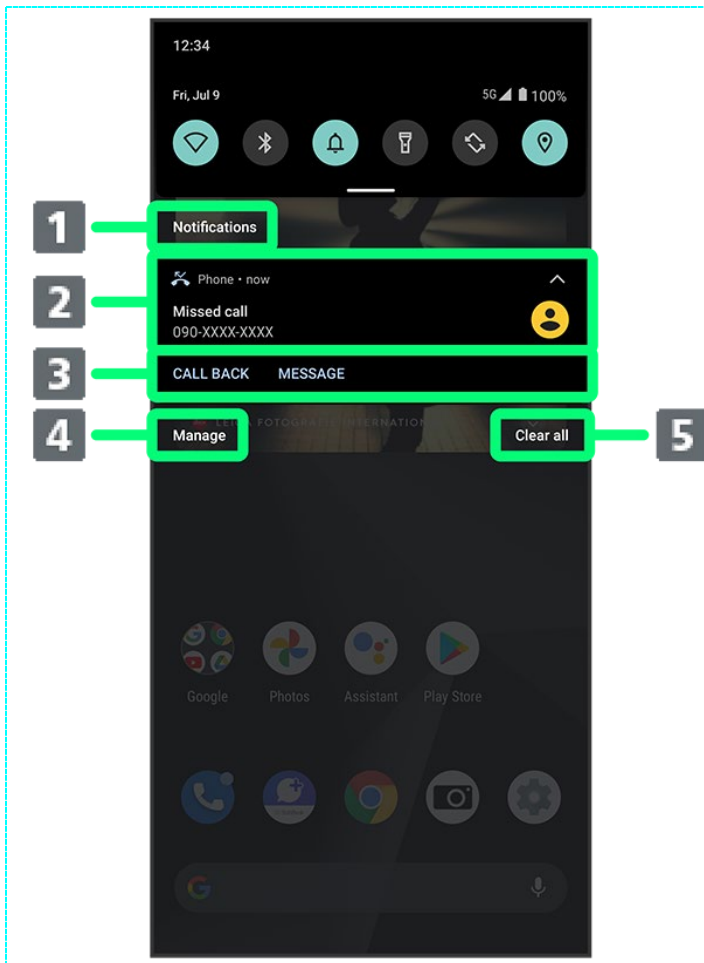
 Notifications Window opens.

## **Closing Notifications Window**

Click Notifications Window up



# Notifications Window Layout



- ① **Category.<sup>1</sup>**
- ② **Notifications and active functions.**
- ③ **Use corresponding functions.<sup>2</sup>**
- ④ **Manage notifications.**
- ⑤ **Delete all notifications and close Notifications Window.**

- 1 Notifications are shown in "Conversations," "Notifications," and "Silent" categories.
- 2 Usable functions depend on the notification. As an example, dial or send an SMS to the phone number of a new call.




## Notifications Window Operations

### Switching between Detailed & Simple Views for Notifications in Notifications Window

In Notifications Window, Drag notification down/up with two fingers at the same time, or Pinch/Spread

- Unavailable for some notifications.

### Making Notification Settings

In Notifications Window, Drag notification left/right    Follow onscreen instructions

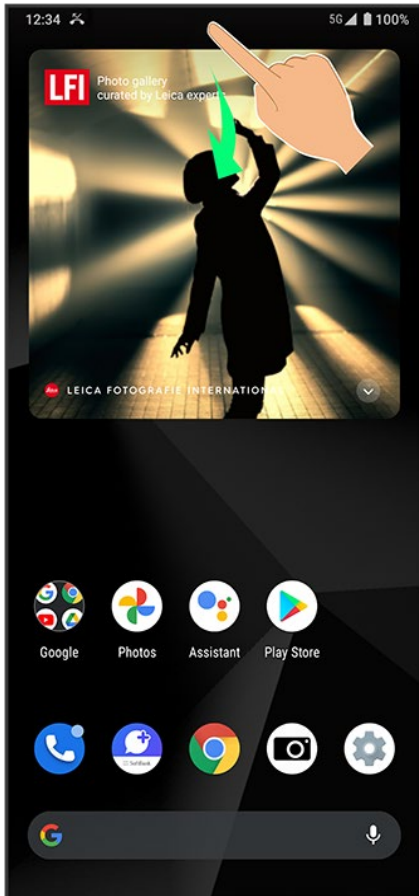
- Settable items depend on the notification.



## Checking Notifications

1

Flick Status Bar down



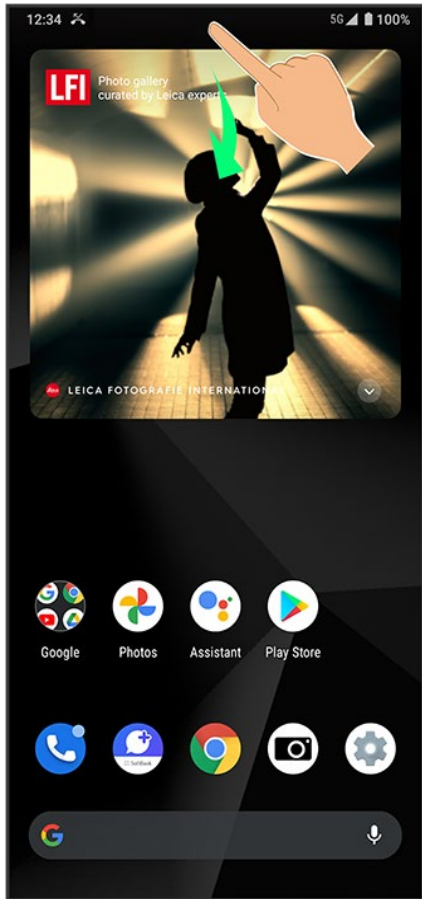
 Notifications Window opens.

## Deleting Notifications

1

Flick Status Bar down



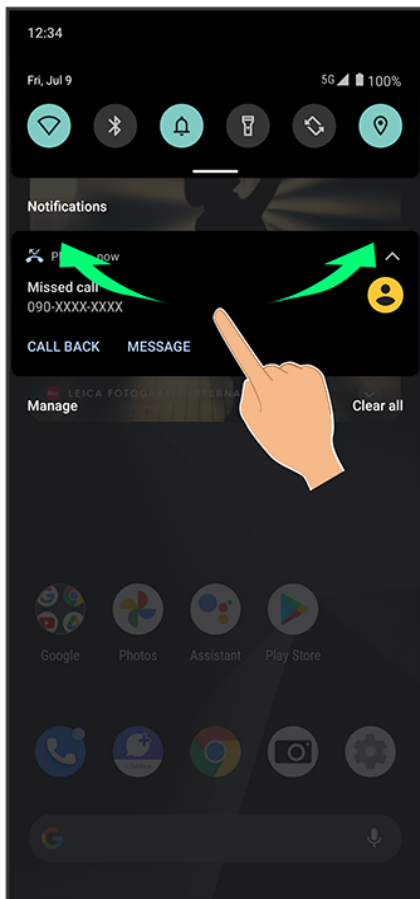


 Notifications Window opens.

2

Flick notification left/right





🚩 Notification is deleted.

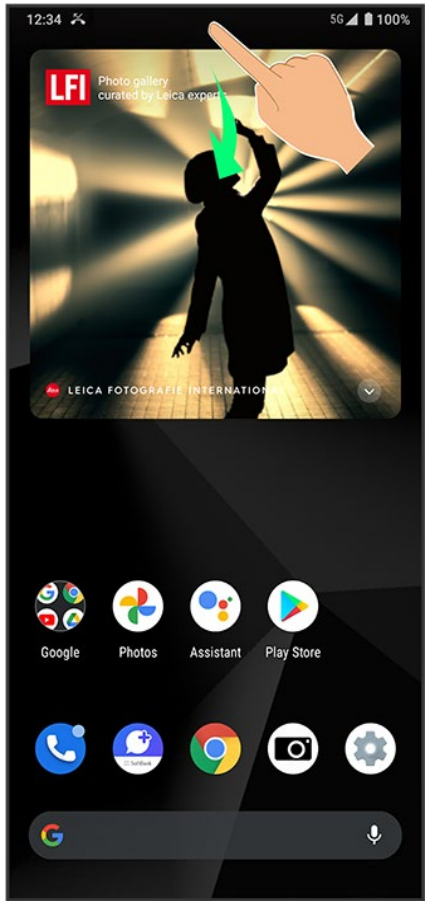
- Some notifications may not be deleted.

## Deleting All Notifications

1

Flick Status Bar down



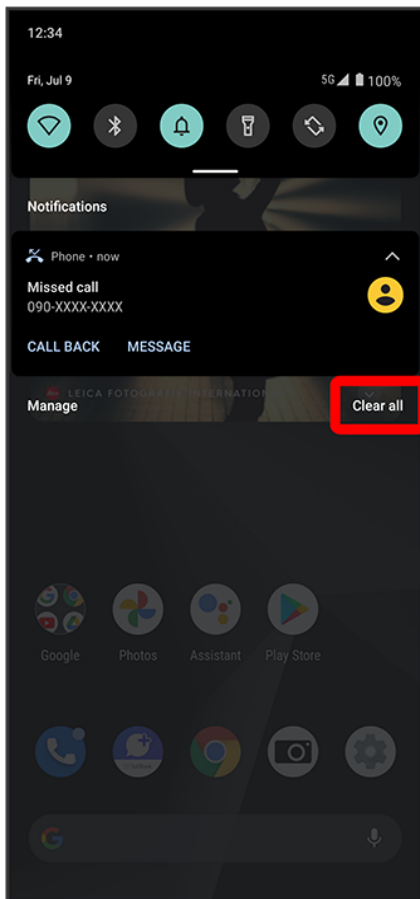



 Notifications Window opens.

2

Clear all





 All notifications are deleted.

- Some notifications may not be deleted.



# Checking Notifications (Quick Settings Window)

---

Tap icons to toggle functions on/off, etc.

---

↓ [Opening Quick Settings Window](#)

---

↓ [Quick Settings Window Layout](#)

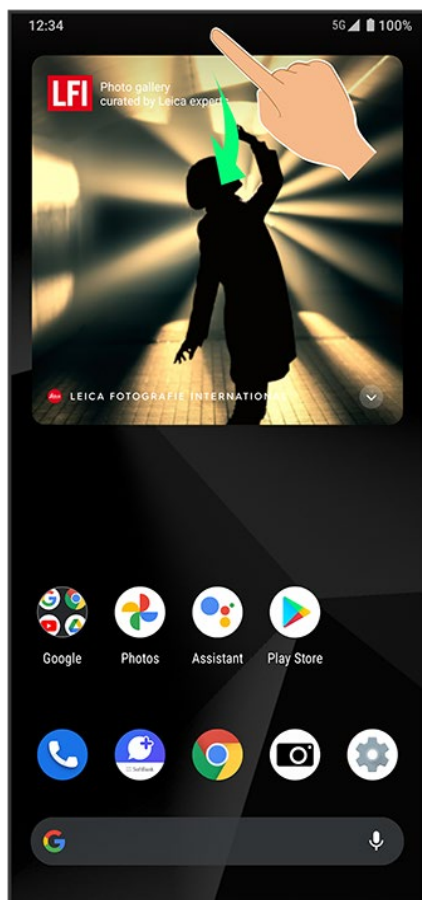
---

## Opening Quick Settings Window

1

---

Flick Status Bar down

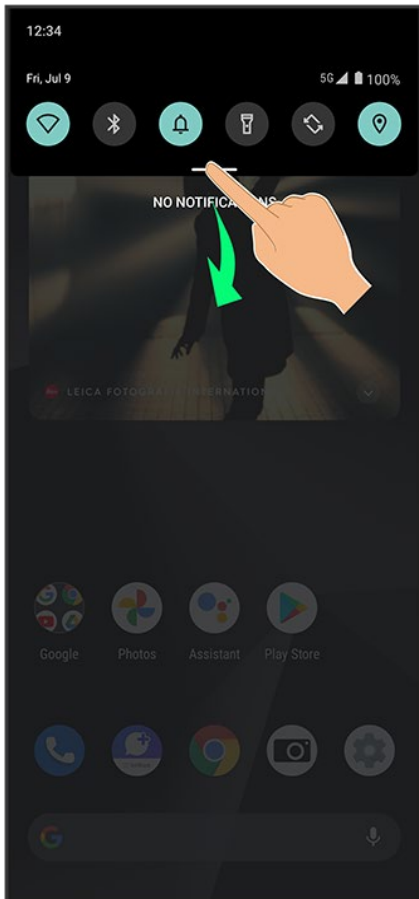




 Notifications Window opens.

2

Flick Notifications Window down



 Quick Settings Window opens.


- Alternatively, to open Quick Settings Window, Flick Status Bar down with two fingers with Notifications Window closed.

### **Closing Quick Settings**

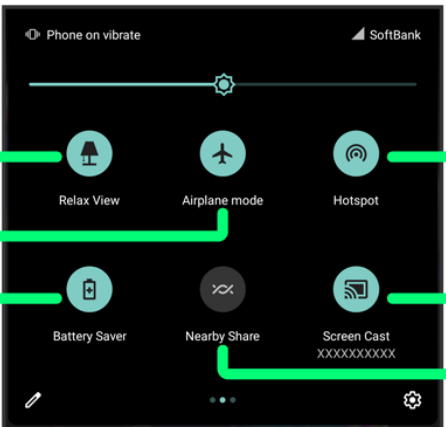
Flick Quick Settings up



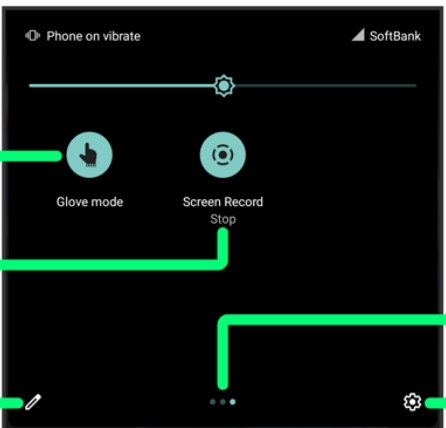
## Quick Settings Window Layout



- ① Adjust Display brightness.
- ② Toggle Wi-Fi on/off.
- ③ Toggle Bluetooth® function on/off.
- ④ Toggle Mobile Light on/off.
- ⑤ Toggle Manner mode (OFF / Vibe / Mute).
- ⑥ Toggle Location on/off.
- ⑦ Toggle Auto-rotate screen on/off.



- ① Toggle RelaxView on/off.
- ② Toggle Airplane mode on/off.
- ③ Toggle Battery Saver on/off.
- ④ Toggle Wi-Fi hotspot tethering on/off.
- ⑤ Show cast screen.
- ⑥ Show Nearby Share.



- ① Toggle glove mode on/off.
- ② Toggle Screen Record start/stop.
- ③ Open Edit screen for Quick Settings Window.
- ④ Indicate position of Setting key sheet.<sup>1</sup>
- ⑤ Open Settings.

1 Flick Setting key area left/right to toggle sheets.






### Display during Music Playback

Operation panel opens in Quick Settings Window and enables operations such as play/pause.






## Customizing Quick Settings Window




### Rearranging Setting Keys

In Quick Settings Window,   Touch & Hold Setting key  Drag Setting key to rearrange it






### Adding Setting Keys

In Quick Settings Window,   Touch & Hold Setting key below "HOLD AND DRAG TO ADD TILES"  Drag Setting key to target location

### Deleting Setting Keys

In Quick Settings Window,   Touch & Hold Setting key  Drag to "DRAG HERE TO REMOVE"

### Resetting Quick Settings Window

In Quick Settings Window,     



# Capturing Screenshots (Clip Now)

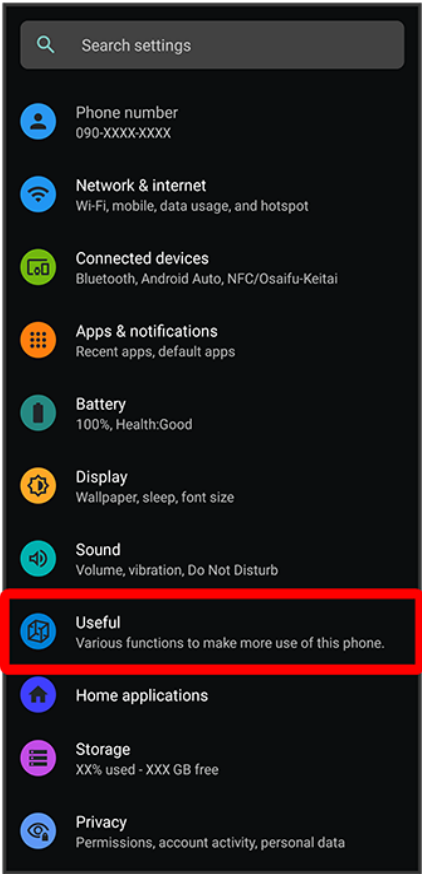
Drag Display from corner to center to capture a screenshot.


- ↓ Enabling Clip Now
- ↓ Capturing Screenshots

## Enabling Clip Now

1

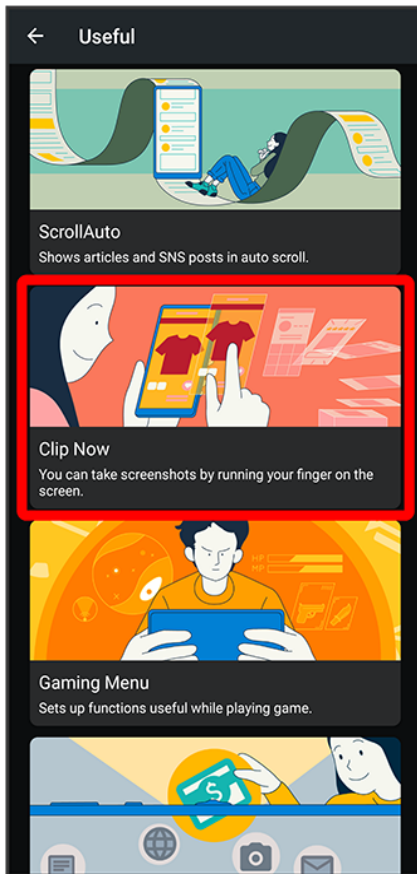
In Home Screen,  (Settings)  Useful



 Useful menu opens.



## Clip Now

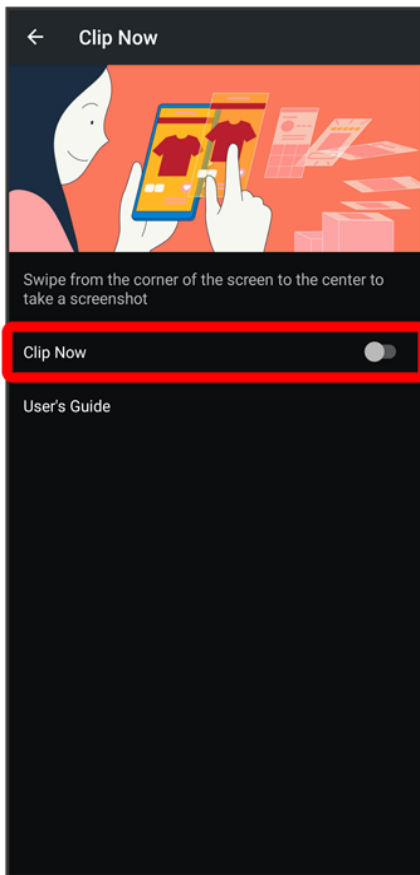



Clip Now menu opens.

- If confirmation appears, follow onscreen prompts.

Clip Now (  )





 Clip Now is enabled.


- Tap **Clip Now** to toggle on () / off () .

### **Checking How to Use Clip Now**

In Clip Now window, **User's Guide**

## Capturing Screenshots

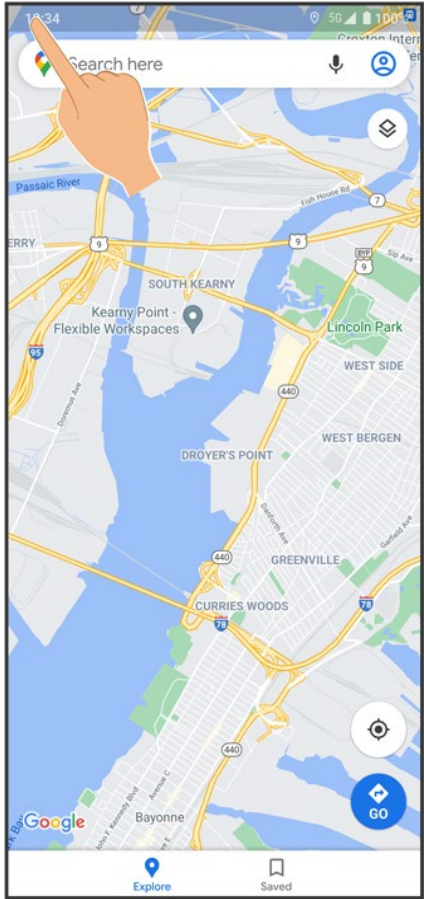
Capture screenshots for saving as files.

- Some screens may not be capturable.
- View captured screenshots in  (Photos), etc.

**1**

Touch upper left (upper right) corner of Display

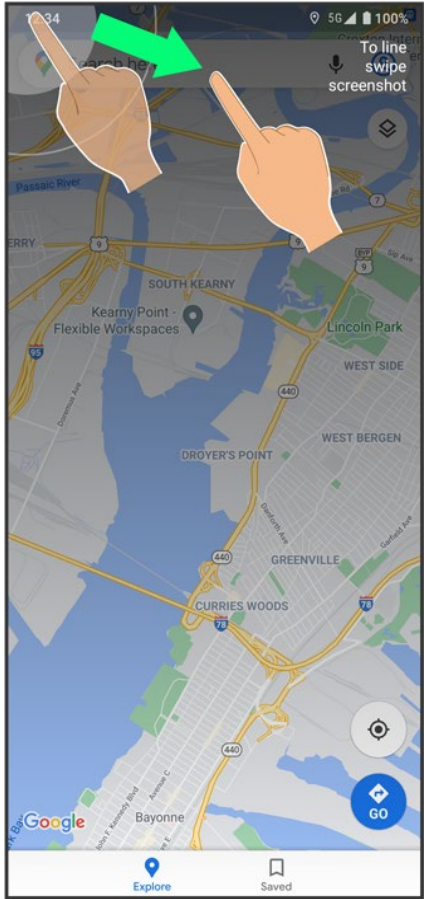





2

Drag to line





 Screenshot is saved.



# Scrolling Screen Automatically (ScrollAuto)

Scroll the screen up and down automatically.

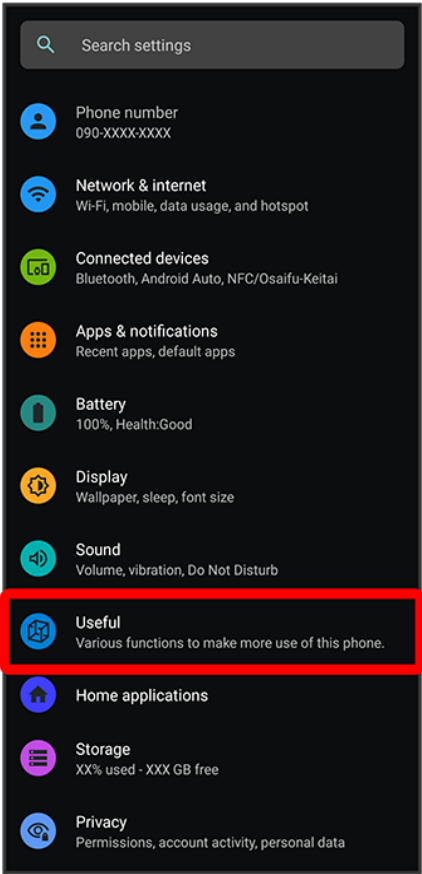
↓ [Enabling ScrollAuto](#)


↓ [Using ScrollAuto](#)

## Enabling ScrollAuto

1

In Home Screen,  (Settings)  **Useful**

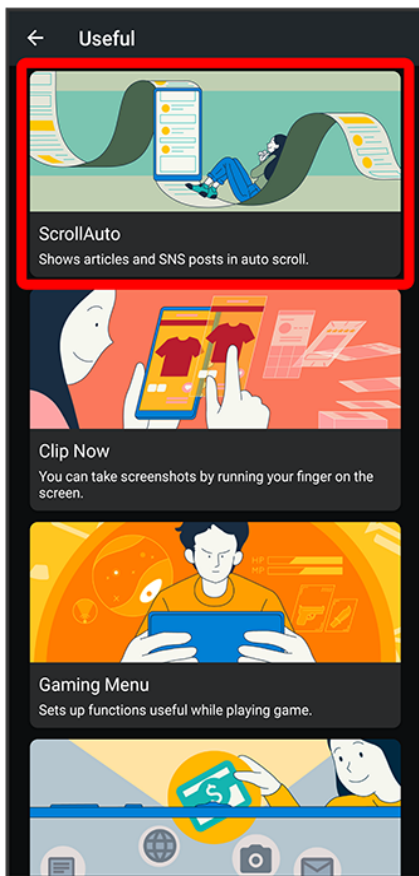


 Useful menu opens.



2

## ScrollAuto

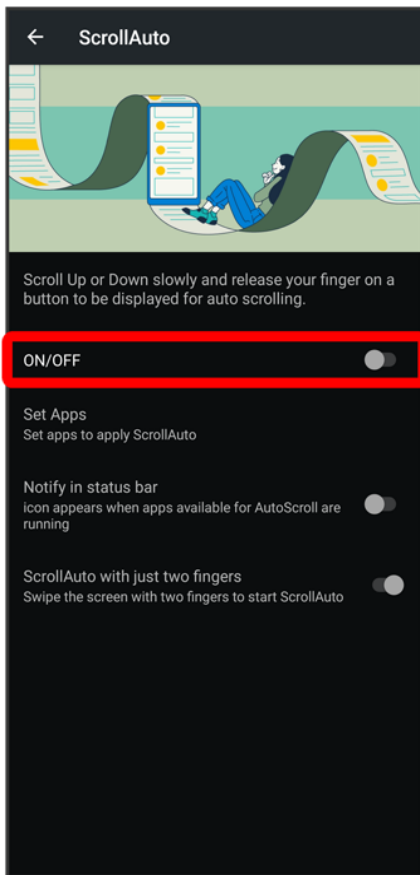


ScrollAuto menu opens.

3

ON/OFF (  )





🚩 ScrollAuto is enabled.

- Tap **ON/OFF** to toggle on (🟢)/off (⚪).

## + ScrollAuto Operations

### Setting ScrollAuto to Applications

In ScrollAuto menu, **Set Apps** ➔ Tap application name

- Tap application name to toggle on (🟢)/off (⚪).
- If confirmation appears, follow onscreen prompts.

### Setting Whether to Show Status Bar Indicator while Running Target Applications

In ScrollAuto menu, **Notify in status bar**

- Tap **Notify in status bar** to toggle on (🟢)/off (⚪).

### Setting Whether to Swipe with Two Fingers to Autoscroll

In ScrollAuto menu, **ScrollAuto with just two fingers**

- Tap **ScrollAuto with just two fingers** to toggle on (🟢)/off (⚪).

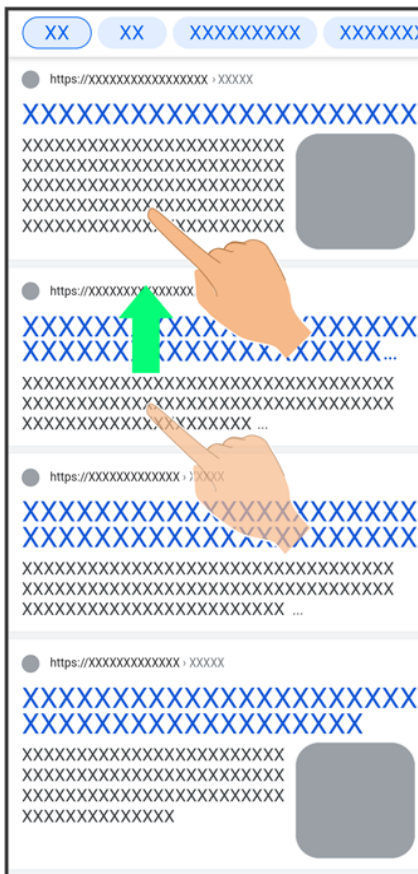


# Using ScrollAuto


The feature may not follow the setting with certain applications.

1

Drag up slowly



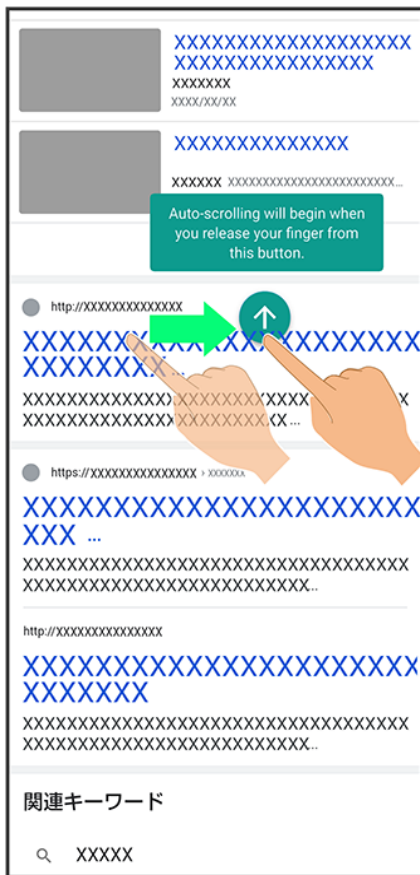
  appears.


■ When Display is Dragged down,  appears instead.

2

Slide finger to  and release





 Screen scrolls automatically.

- Alternatively, while Tap **ScrollAuto with just two fingers** is enabled, Drag from bottom upward or from top downward with two fingers to start scrolling.
- Screen may not scroll depending on where you start Dragging.
- Scroll stops when Display is Tapped or after five minutes.





## ScrollAuto Usage Note

ScrollAuto does not work when Display is Flicked or Dragged quickly.  
ScrollAuto supports vertical scrolling only.




## ScrollAuto Operations

### Changing Scrolling Speed


While scrolling,  / 

### Pausing Scrolling

While scrolling, 

- While paused, Tap  to resume scrolling.

### Opening ScrollAuto Window while Scrolling

While scrolling, 



# Using Gaming Menu

While playing a game, record game screen or search for walkthrough sites and make gaming screen and other settings.

---

↓ [Gaming Menu Settings](#)

---

↓ [Opening Gaming Menu](#)

---

↓ [Gaming Menu Layout](#)

---

## Gaming Menu Settings

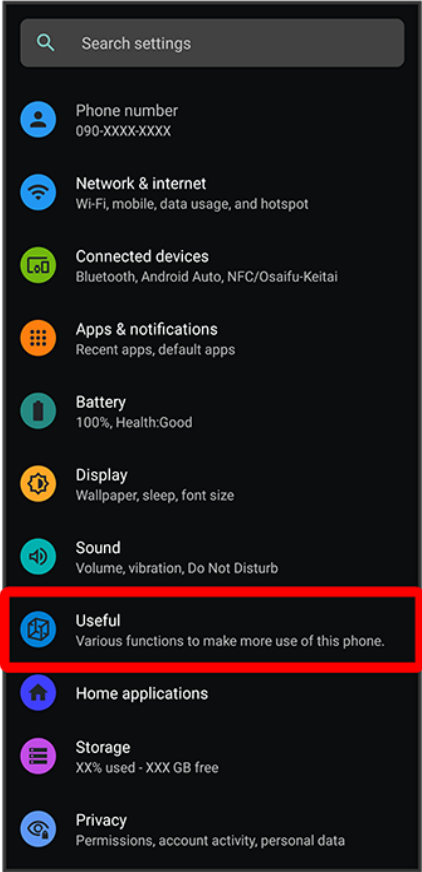
Make gaming screen quality and notification settings. Settable items are the following.


Item	Description
<b>Behavior block</b>	Set whether to disable "Return" action in gesture navigation or automatic brightness adjustment.
<b>Block notifications while games are running</b>	Set whether to block notifications while games are running, etc.
<b>Edge control</b>	Set whether there are sensor-disabled areas at top, bottom, left, and right edges of Display.
<b>Game image quality</b>	Set whether to optimize image quality of games.
<b>Performance</b>	Make settings for performance of games.
<b>View Menu</b>	Set whether to display gaming menu while games are running.
<b>How to use</b>	Check how to use gaming menu.
<b>Search settings</b>	Set search strings, etc. to search on web site or within YouTube from gaming menu.
<b>High-speed display</b>	Set fast-moving videos and applications to appear smoothly. See "High-Speed Display Settings" for details.
<b>Intelligent charging</b>	Enable smart charging and charging adapts to handset and ambient temperature for smooth, long-life operation. See "Battery Settings" for details.
<b>App list</b>	Set applications that have gaming menu applied.
<b>Notification at auto-registration</b>	Set whether to notify when installed application is automatically saved as subject to Gaming settings.
<b>FAQ</b>	Check FAQ on Support Website.
<b>Elite Gaming</b>	Check information on Elite Gaming.



1

In Home Screen,  (Settings)  Useful

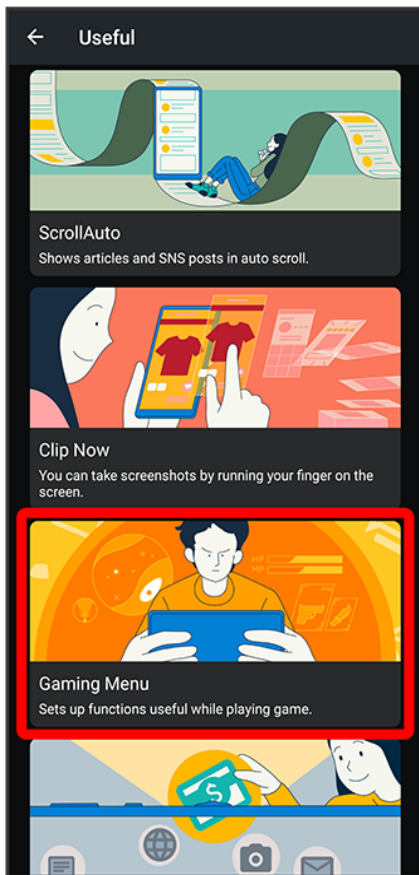



 Useful menu opens.

2

Gaming Menu






 Gaming Menu settings open.

3

Set each item



 Setting is complete.

## Gaming Menu Settings Operations

### Setting Whether to Disable "Return" (Back) Action in Gesture Navigation or Automatic Brightness Adjustment

In Gaming Menu settings,  /  for "Behavior block"

■ Tap  to toggle on () ,  to toggle off () .

■ Behavior block  Tap function to block to toggle option on () / off () .

### Setting Whether to Block Notifications while Games are Running

In Gaming Menu settings,  /  for "Block notifications while games are running"



■ Tap  to toggle on () ,  to toggle off () .

■ Tap Block notifications while games are running to block all notifications or not to block notifications when a call is arriving.



## Setting Whether There Are Sensor-Disabled Areas at Top, Bottom, Left, and Right Edges of Display

In Gaming Menu settings, **Edge control**

- Tap **Edge control** to toggle on (  )/off (  ).

## Setting Whether to Optimize Image Quality of Games

In Gaming Menu settings, **Game image quality**

- Tap **Game image quality** to toggle on (  )/off (  ).



## Making Settings for Performance of Games

In Gaming Menu settings, **Performance**  **Prioritize high-definition display**/**Give priority to light action**  **QUIT GAME AND APPLY.**


- Also end the game running in the background.

## Setting Whether to Display Gaming Menu while Games are Running





In Gaming Menu settings, **View Menu**

- Tap **View Menu** to toggle on (  )/off (  ).


## Checking How to Use Gaming Menu


In Gaming Menu settings, **How to use**  Follow onscreen prompts

## Setting Search Strings to Search on Web Site or within YouTube from Gaming Menu

In Gaming Menu settings, **Search settings**  Tap keyword settings field  Input search string  



## Setting Whether Tapping or in Gaming Menu Shows

Tap  to switch easily between game screen and website or YouTube.

In Gaming Menu settings, **Search settings**  **Display**/**Do not display**

## Setting Applications that Have Gaming Menu Applied

In Gaming Menu settings, **App list**  Tap application

- Tap application name to toggle on (  )/off (  ).

## Setting Whether to Notify when Installed Application Is Automatically Saved as Subject to Gaming Settings

In Gaming Menu settings, **Notification at auto-registration.**

- Tap **Notification at auto-registration.** to toggle on (  )/off (  ).

## Checking FAQ on Support Website

In Gaming Menu settings, **FAQ**

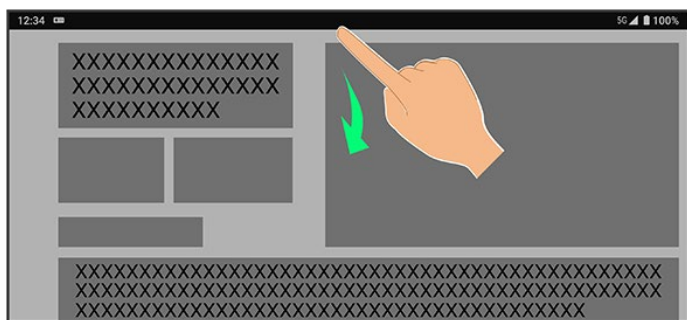
## Checking Information on Elite Gaming



## Opening Gaming Menu

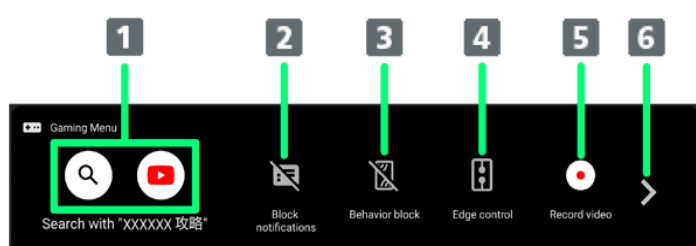
1

Flick Status Bar down while running target applications

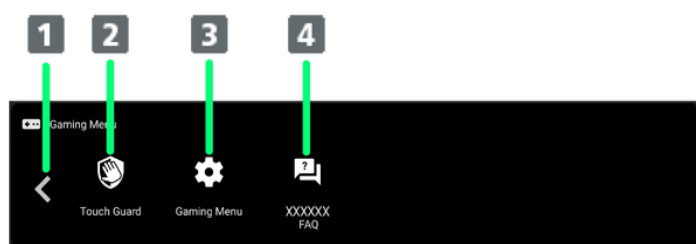


Gaming Menu opens in Notifications Window.

## Gaming Menu Layout



- ① Search on website, within YouTube, etc.
- ② Toggle notification blocking on/off.
- ③ Toggle operation blocking on/off.
- ④ Toggle edge control on/off.
- ⑤ Record screens while games are running.
- ⑥ Switch gaming menu.



- ① Switch gaming menu.
- ② Activate touch guard.
- ③ Activate Gaming Menu settings.
- ④ Search for any issues there may be with currently running application.



# Placing/Answering Calls

---

How to dial directly to make a call and answer a call, as well as options when a call is arriving/during a call are described.

- ↓ Placing Calls
- ↓ Phone Window Layout
- ↓ Answering Calls (Display Off)
- ↓ Answering Calls (Display On)
- ↓ Call Window Layout/In-Call Operation
- ↓ Using VoLTE/VoLTE (HD+)
- ↓ HD Voice



## Support for VoLTE/VoLTE (HD+) and HD Voice

Handset supports VoLTE/VoLTE (HD+) and HD Voice for high-quality call sound. See "Using VoLTE/VoLTE (HD+)" and "HD Voice" for details.

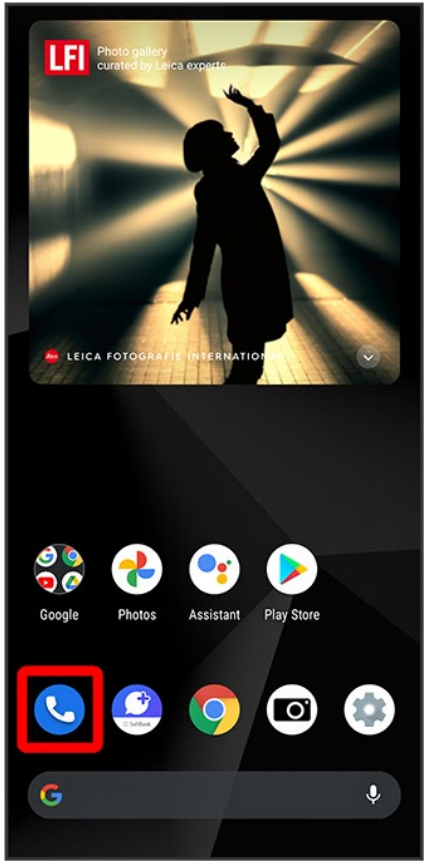
## Placing Calls

1

---

In Home Screen,  (Phone)



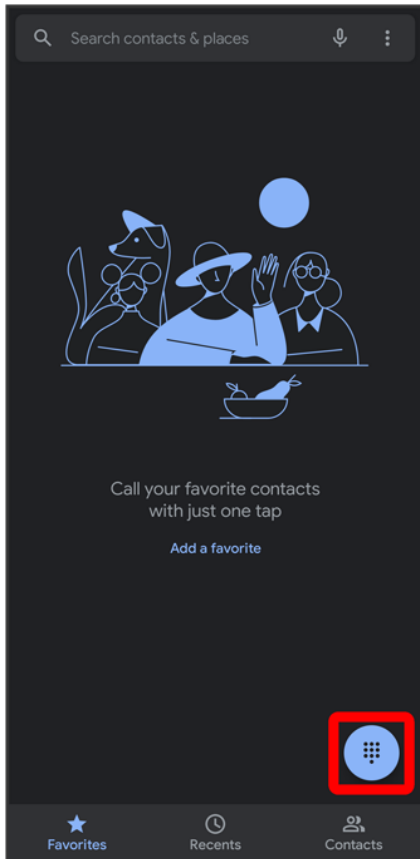


Phone opens.

2







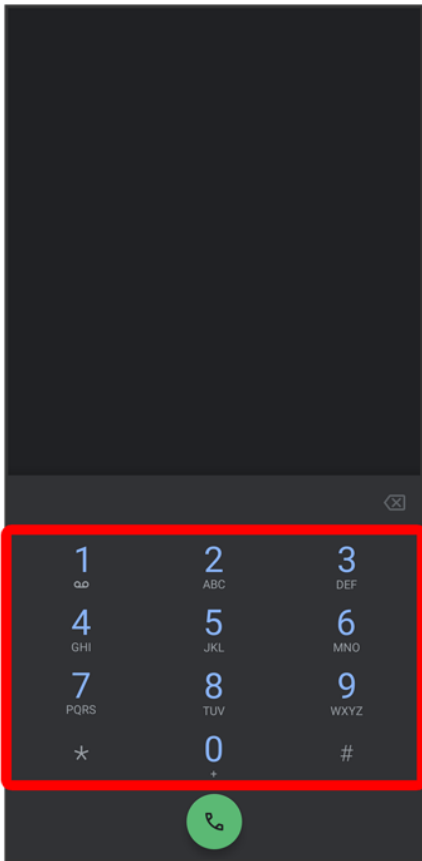
 Dialpad window opens.


**3**

---

Use onscreen dialpad to enter number





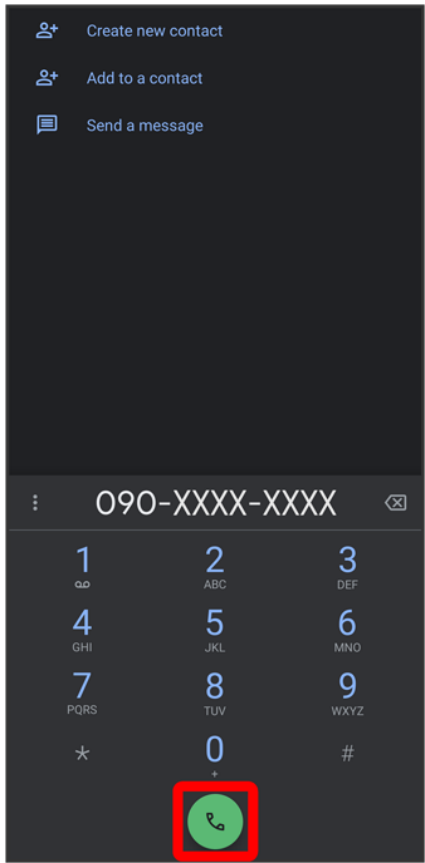
- Include area code for landline numbers.
- To correct number, Tap  to delete digit(s), then enter correct number.


4

---







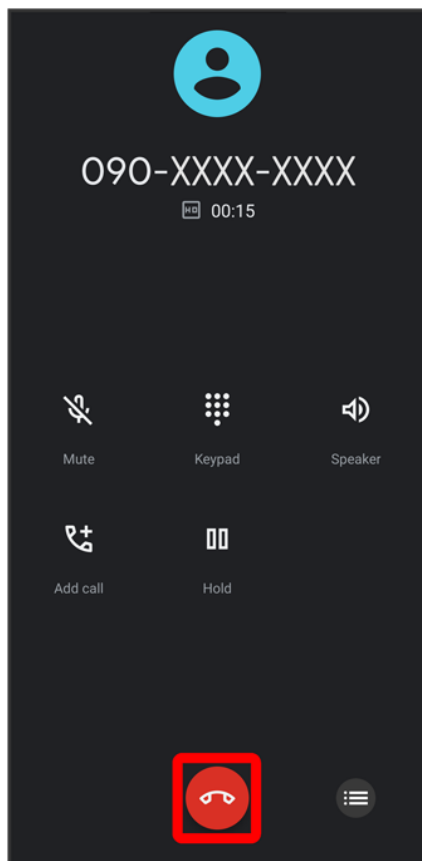
 Handset dials number. Call begins when other party answers.

5

---

To end call, 





 Call ends.



## Emergency Calls







### Emergency Location Report

Making emergency calls (110, 119 or 118) automatically reports handset location to corresponding agency (police, etc.). This system is referred to as Emergency Location Report, and notifies location based on positioning from base stations.

- Location Report does not incur registration/transmission fees.
- Location/signal conditions affect positioning accuracy. Always provide location and call purpose.
- Hiding Caller ID (using 184, etc.) cancels Location Report. However, corresponding agency may obtain location information in life threatening situations.
- Location Report is not sent for calls made while outside Japan.

### After Making an Emergency Call with Reject Call Enabled

Reject call is disabled for about two hours to receive calls from corresponding agency. To manually enable Reject call again after making an emergency call:





In Home Screen,  (Phone)    Settings  Blocked numbers  Re-enable now



## Calling Emergency Number When Handset Screen is



## Locked

In lock screen, Flick up  Emergency  Enter number for emergency service  

- Use if method for unlocking screen is setting other than **None** or **Swipe**. See "Setting Screen to Unlock by Tracing Pattern," "Requiring Lock No. (PIN) Entry for Unlocking Screen," and "Setting Screen to Unlock with Password" for details on screen lock methods.

## Troubleshooting

**Q** Call does not connect

**A** Did you dial all digits for the number? Dial all digits for numbers starting with a "0" area code, etc.

**A** Is the signal weak? Change locations and call again.

## Emergency Call Cautions

### Areas Where Usable

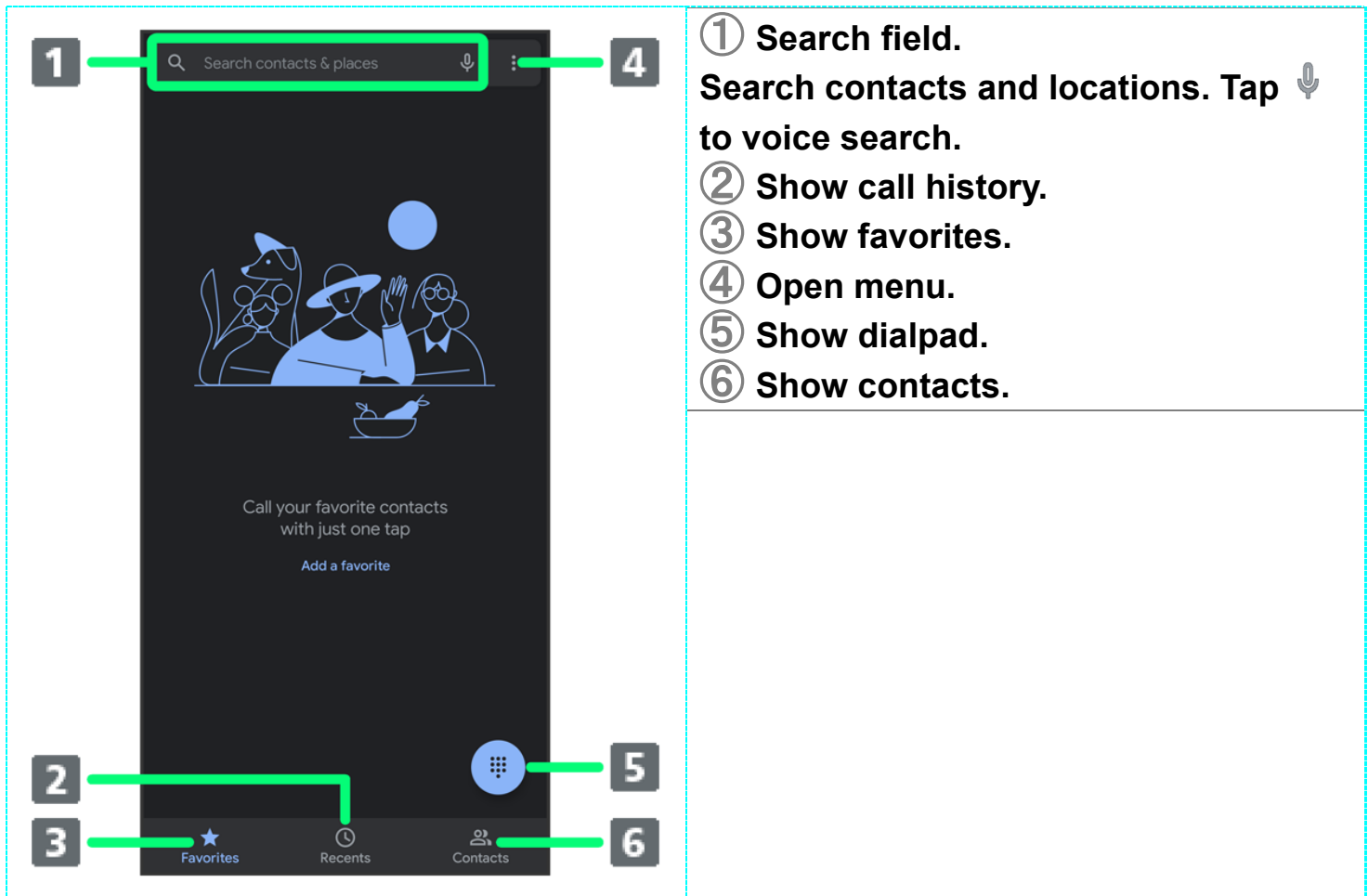
Emergency calls from handset can be made only in SoftBank service areas.

### Airplane Mode

Note that emergency calls cannot be made in Airplane mode. Use Quick Settings to exit Airplane mode.



## Phone Window Layout

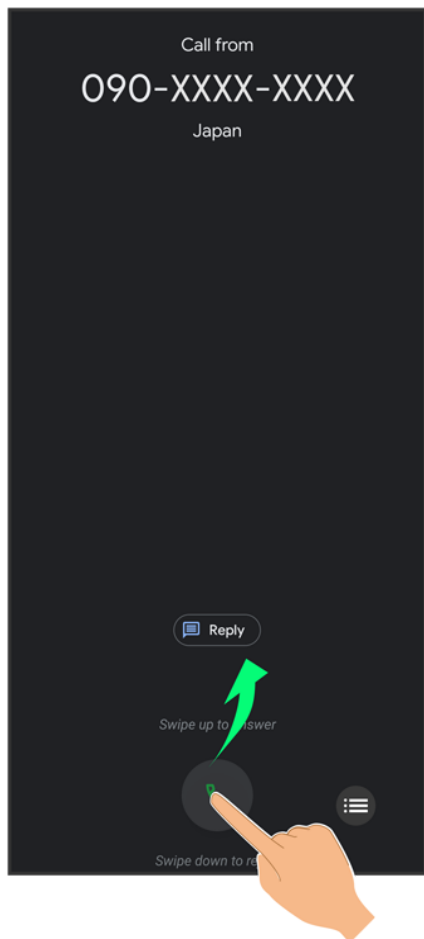


## Answering Calls (Display Off)

1

Flick  up when call is arriving






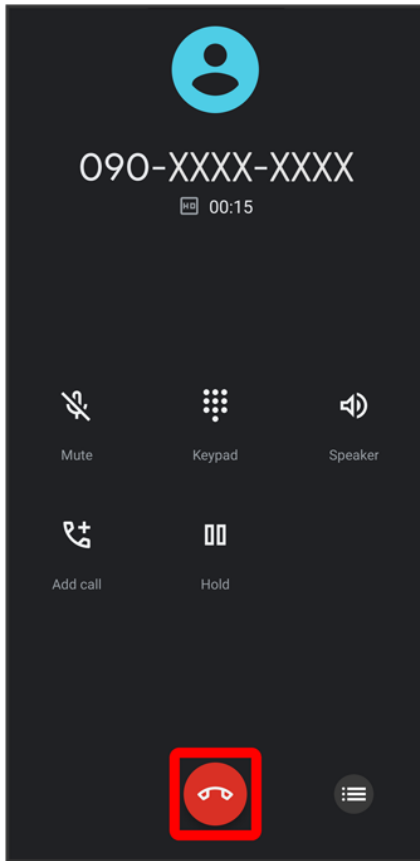
 Call connects.


2

---

To end call, .





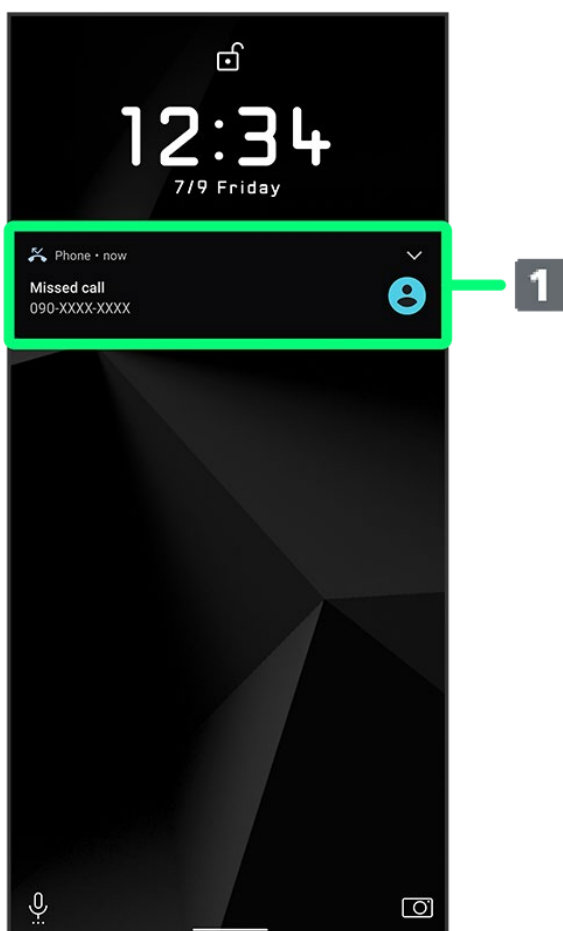
 Call ends.




## Missed Calls

For unanswered calls, notification appears in lock screen.





## ① Notification

- Tap notification twice to check missed call records and call back as needed.
- When screen is unlocked,  appears on Status Bar. Flick Status Bar down for Notifications Window, then Tap notification. When **CALL BACK/MESSAGE** appear below notification, Tap to call back or send SMS.

## + Arriving Call/Answer Phone Operations



### Answering with Answer Phone

During call,   **Absence Memo**









- When screen is unlocked, **Incoming call**    **Absence Memo.**

### Playing Back Answer Phone Messages

In lock screen, Tap notification twice  Tap message

- When screen is unlocked, Flick Status Bar down for Notifications Window, then Tap notification  Tap message.
- To stop playback, Tap .

### Editing Subjects of Answer Phone Messages

Flick Home Screen up   (Answer phone)  **Answer phone list**  Touch & Hold message  **Edit Subject**  Tap Subject field  Enter subject name  **OK**



### Copying Answer Phone Messages to Internal Storage/SD Card

Flick Home Screen up → (Answer phone) → Answer phone list → Touch & Hold message → Export → Leitz Phone 1/SD card → Select where message is saved → USE THIS FOLDER → ALLOW → OK

### Rejecting Arriving Calls

As call is arriving, Flick down

- When screen is unlocked, Tap **DECLINE**.

### Not Answering Call and Sending SMS

As call is arriving, **Reply** → Tap message to send

- When screen is unlocked, **Incoming call** → **Reply** → Tap message to send.
- Tap **Write your own...** to create and send message.

### Forwarding Arriving Calls

During call, → **Forwarding**

- When screen is unlocked, **Incoming call** → → **Forwarding**.
- Set a phone number to forward calls to beforehand. See "Call Forwarding" for details.

### Stopping Ringtone and Vibration

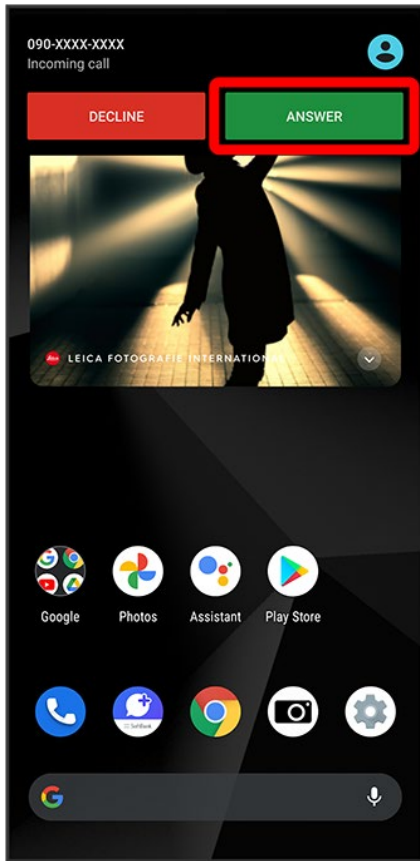
As call is arriving, Volume Up/Volume Down Key


## Answering Calls (Display On)

1

When call is arriving, **ANSWER**






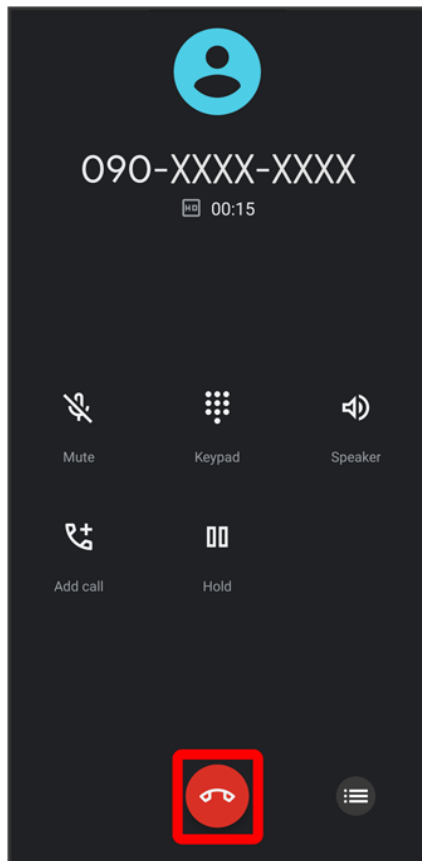
 Call connects.

2

---

To end call, 





🚩 Call ends.



# Call Window Layout/In-Call Operation

The diagram shows a mobile phone call window with the following elements and callouts:

- 1: Other party photo.
- 2: Other party name/number.
- 3: HD Voice (HD) / HD+ Voice (HD+) call in progress.
- 4: Mute own voice.
- 5: Show dialpad.
- 6: Add call.
- 7: End call.
- 8: Call time.
- 9: Use Speakerphone.
- 10: Place call on hold.
- 11: Open menu.

- ① Other party photo.
- ② Other party name/number.
- ③ HD Voice (HD)/HD+ Voice (HD+) call in progress.
- ④ Mute own voice.
- ⑤ Show dialpad.
- ⑥ Add call.
- ⑦ End call.
- ⑧ Call time.
- ⑨ Use Speakerphone.
- ⑩ Place call on hold.
- ⑪ Open menu.

## + In-Call/Voice Memo Operations

### Setting Whether to Use Clear Talk

Enable Clear Talk for clearer other-party voice.

During call, for "Clear talk"

■ Tap to toggle on ( ), to toggle off ( ).

### Setting Whether to Use Slow Talk

Enable Slow Talk for slower other-party voice.

During call, for "Slow talk"

■ Tap to toggle on ( ), to toggle off ( ).

### Adjusting Call Volume

During call, Volume Up/Down Key

### Recording Call (Voice Memo)

During call, Voice Memo






■ To end recording, Tap Stop.











## Dialing Tone Referencing Contacts

During call,   Address Book













## Playing Back Voice Memos

Flick Home Screen up   (Answer phone)  Voice Memo List  Tap Voice Memo  
■ To stop playback, Tap .

## Editing Subjects of Voice Memos

Flick Home Screen up   (Answer phone)  Voice Memo List  Touch & Hold message  Edit Subject  Tap Subject field  Enter subject name  OK

## Copying Voice Memos to Internal Storage/SD Card

Flick Home Screen up   (Answer phone)  Voice Memo List  Touch & Hold message  Export    Leitz Phone 1/SD card  Select where message is saved  USE THIS FOLDER  ALLOW  OK

## ? Troubleshooting

**Q** Difficulty with call

**A** It may be difficult to make a call in a location with noise.

**A** Check the call volume when using Speakerphone. It may be difficult to make a call with a raised call volume.

**Q** The other party cannot hear me

**A** Are you covering Mic/Recorder Mic on the bottom surface of handset with your finger, etc.? Make sure not to cover Mic/Recorder Mic.

**A** Have you muted handset? The other party cannot hear you if handset is muted.

**Q** Sound experiences popping during a call

**A** Are you moving location during a call? Popping may occur when switching areas for a better signal. This is not a malfunction.

## Using VoLTE/VoLTE (HD+)

VoLTE (Voice over LTE) is a system enabling voice calls over LTE networks. Compared to voice calls over conventional 3G connections, high-sound quality calls and reduced time until ringtones sound are possible. VoLTE (HD+) provides a clearer and more natural quality call than conventional VoLTE.





■ VoLTE/VoLTE (HD+) are available when the counterpart model is respectively a VoLTE- or VoLTE (HD+)-compatible model from SoftBank/Y!mobile. In addition, it is necessary for both handset and the counterpart model to be within the SoftBank 4G LTE (FDD LTE) service area, with "Preferred




network type" set to "5G (recommended)" or "4G", and "4G Calling" enabled.


- See "Service web page" (Japanese) for information on countries and regions where VoLTE international roaming is supported.





### **Disabling VoLTE/VoLTE (HD+)**

In Home Screen,  (Settings)  Network & internet  Mobile network  4G Calling

- Tap 4G Calling to toggle on () / off () .

### **VoLTE/VoLTE (HD+) Cautions**

VoLTE/VoLTE (HD+) use 4G network service, and are unavailable when 4G network service is disabled on handset. If VoLTE/VoLTE (HD+) are unavailable, follow the steps below to check whether 4G network service is enabled () .

In Home Screen,  (Settings)  Network & internet  Mobile network  Preferred network type

- If disabled () , Tap 5G (recommended) / 4G to enable it () .

## HD Voice

HD Voice supports a wide range of audio tones for clearer, more natural-quality voice calls.

- Available when the counterpart model is an HD Voice-compatible model from SoftBank/Y!mobile.
- HD Voice is compatible with VoLTE and 3G network. Use HD Voice with VoLTE for voice calls of even higher quality.



# Optional Services

Use these optional services for voice calls:

- Optional Services
- Call Forwarding
- Voicemail
- Call Waiting
- Group Calling
- Notify Caller ID
- Call Barring

## Optional Services

The following optional services are available.

Service	Description
Call Forwarding	Divert all/unanswered calls to a preset number.
Voicemail	Divert all/unanswered calls to Voicemail Center; access messages via handset/touchtone phones.
Call Waiting <sup>1</sup>	Answer calls during a call.
Group Calling <sup>1</sup>	Merge multiple calls.
Notify Caller ID	Send or hide your number when placing calls.
Call Barring	Restrict incoming/outgoing calls by conditions.

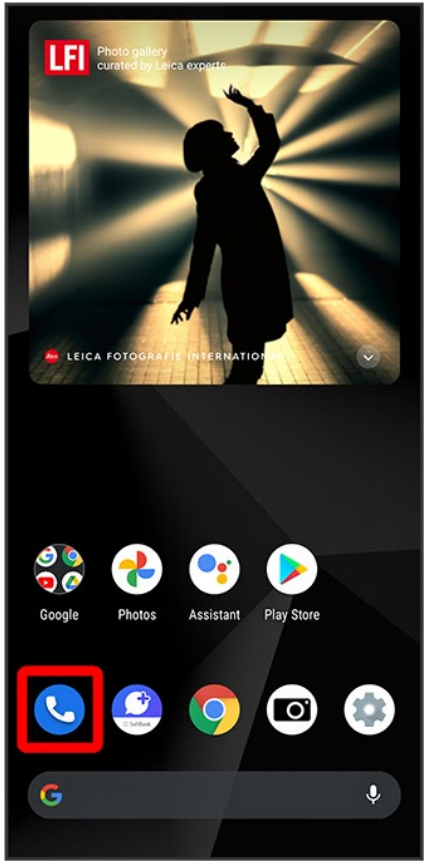
<sup>1</sup> Requires separate subscription.

## Call Forwarding

1

In Home Screen,  (Phone)



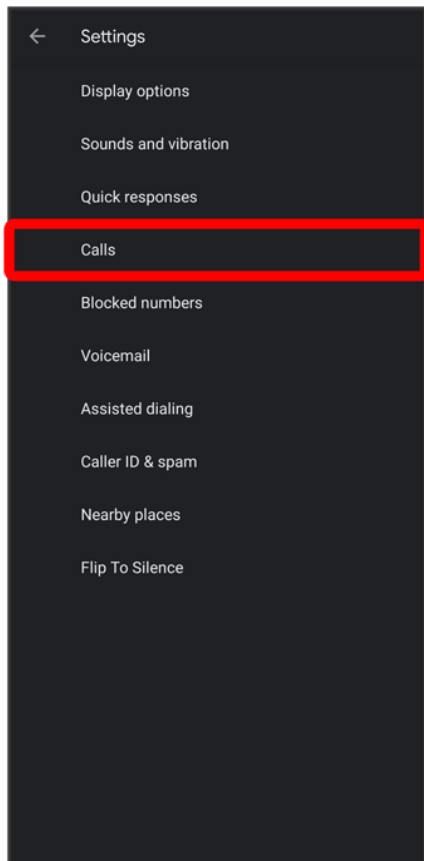


Phone opens.

2

⋮ → Settings → Calls



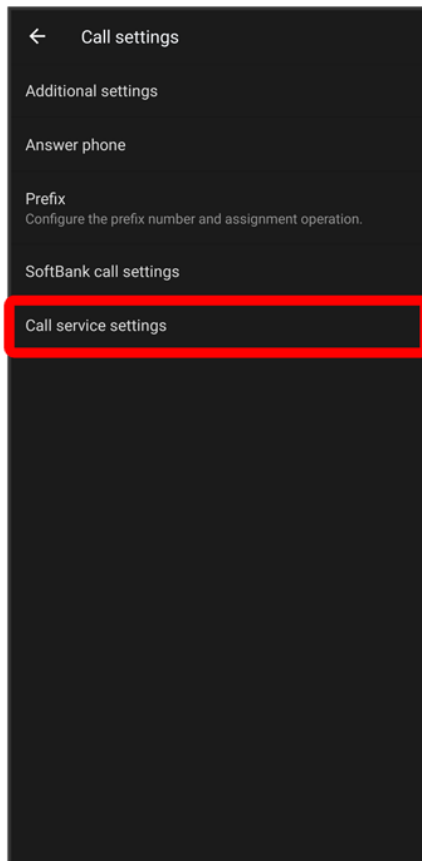



3

---

## Call service settings





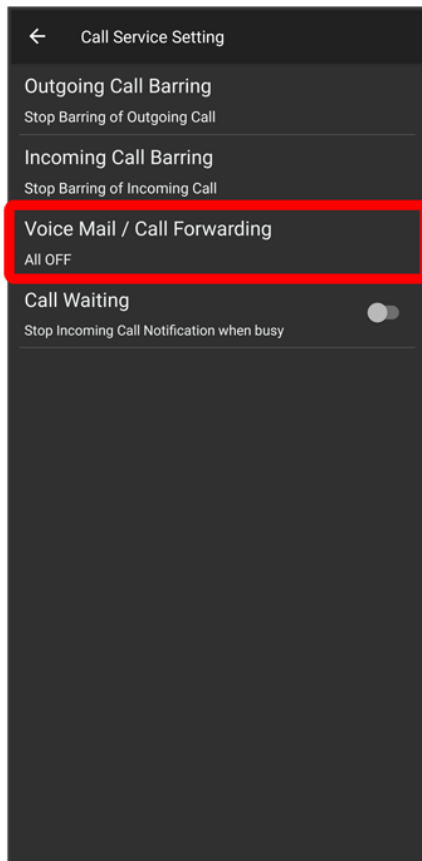
 Call service settings open.

4

---

Voice Mail / Call Forwarding





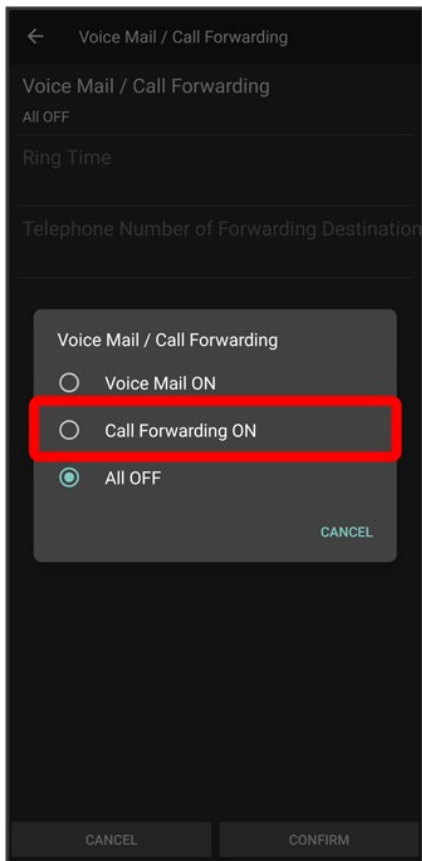
 Voice Mail/Call Forwarding opens.

5

---

Voice Mail / Call Forwarding  Call Forwarding ON

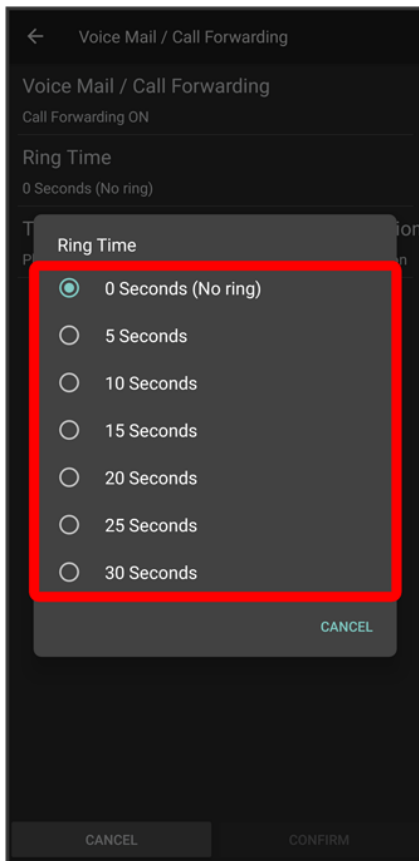




6

Ring Time ➡ Tap the ring time



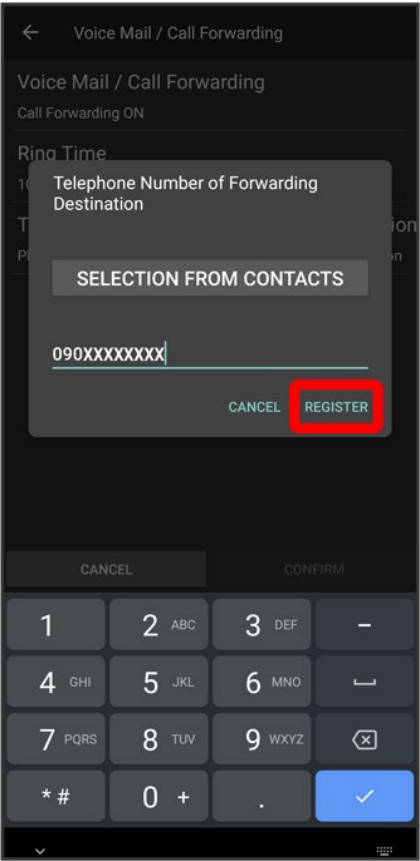


7

Telephone Number of Forwarding Destination ➡ Tap the phone number input area ➡

Enter the forwarding destination phone number ➡ REGISTER





8



CONFIRM






 Call Forwarding is set.

### **Canceling Call Forwarding**

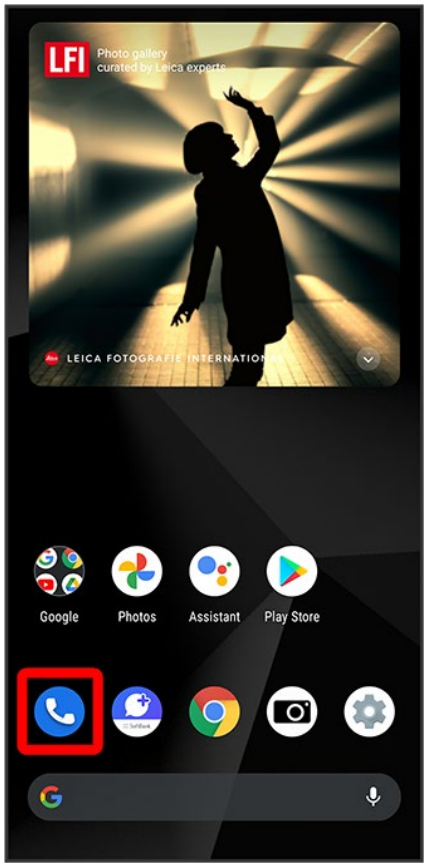
In Voice Mail/Call Forwarding screen, Tap **Voice Mail / Call Forwarding**  **All OFF**   
**CONFIRM**

## **Voicemail**

**1**

In Home Screen,  (Phone)



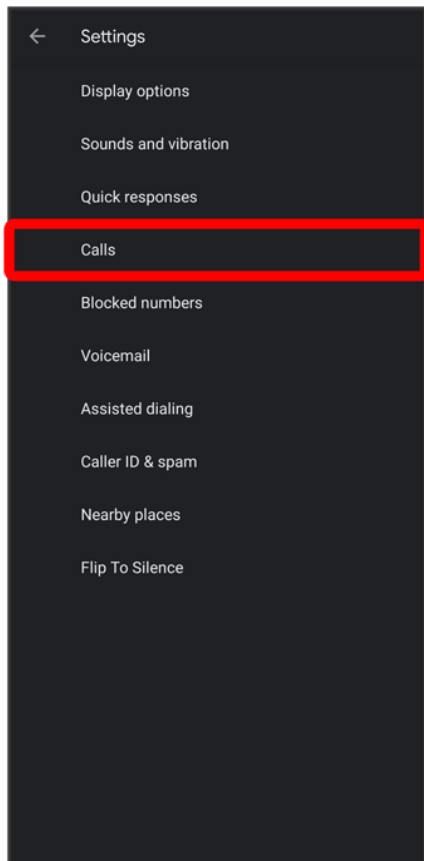


Phone opens.

2

⋮ → Settings → Calls



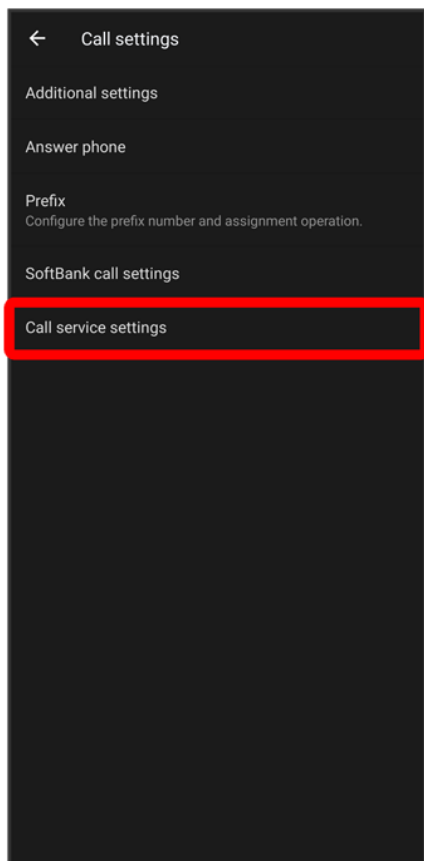



3

---

## Call service settings





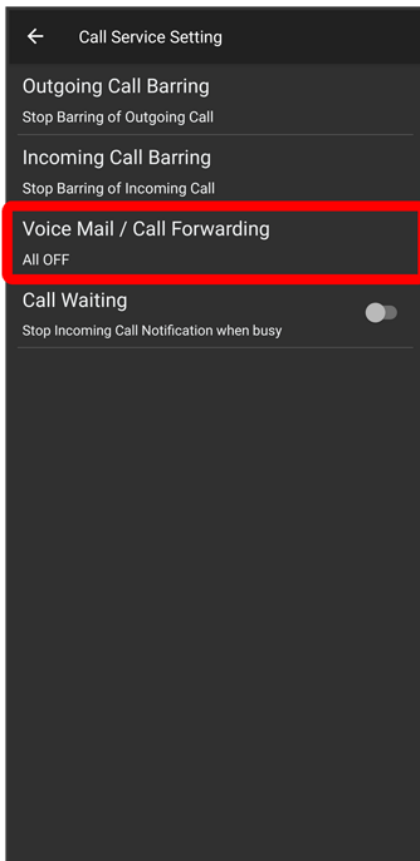
 Call service settings open.

4

---

Voice Mail / Call Forwarding





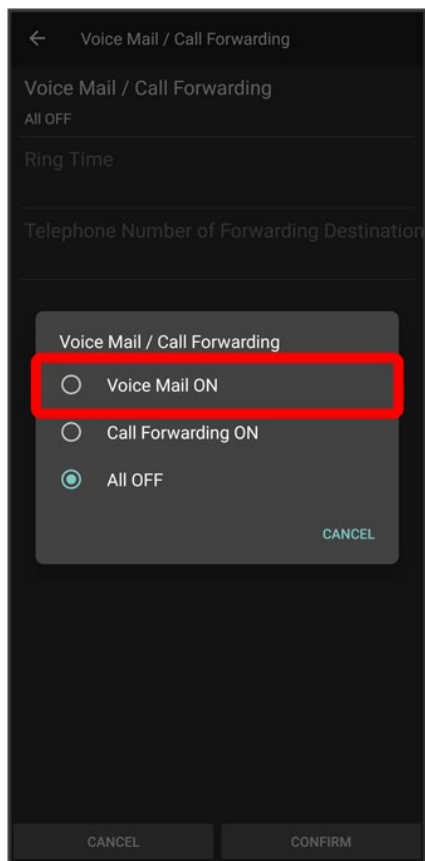
 Voice Mail/Call Forwarding opens.

5

---

Voice Mail / Call Forwarding  Voice Mail ON

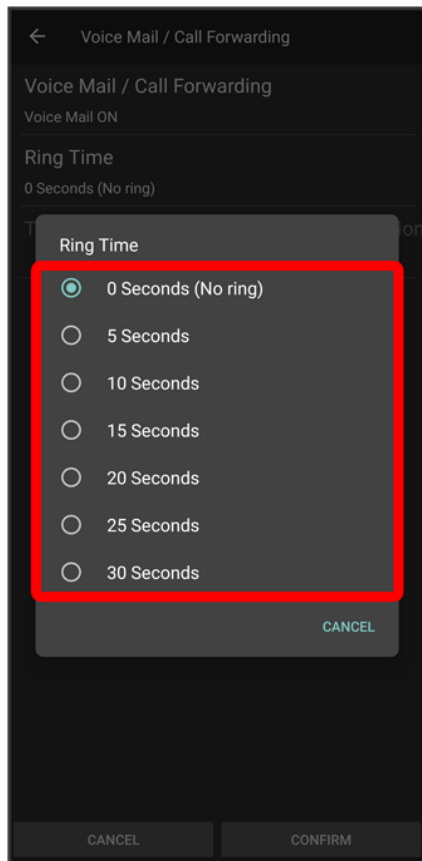




6

Ring Time ➡ Tap the ring time

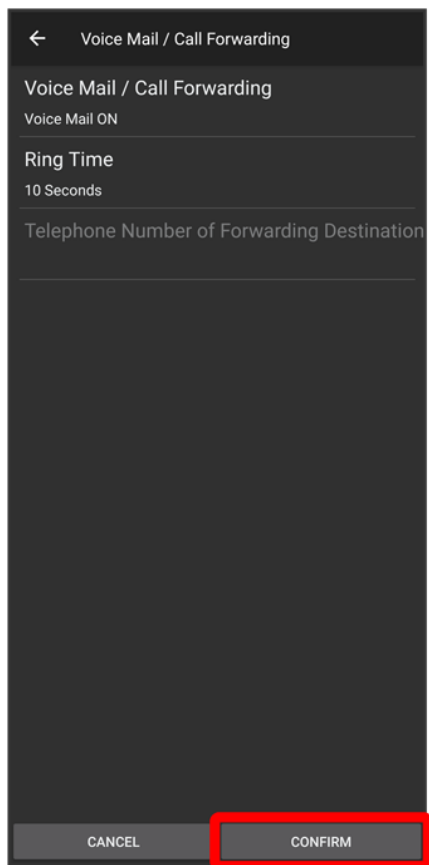




7

CONFIRM





🚩 Voicemail is set.




## Voicemail

### Voicemail and Answer Phone

Voicemail and Answer Phone differ mainly in the following ways.



- Voicemail: Messages are held at the Voicemail Center.  
Messages are held even when handset is not turned on or outside a service area.  
Message playback is subject to your subscription call charges.
- Answer Phone: Messages are held on handset. Use Answer Phone only when handset is turned on or within a service area.

### When New Message is Recorded

 appears on Status Bar. To play message, Tap **Voicemail** in Notifications Window, then follow voice guidance.



## Canceling Voicemail


In Voice Mail/Call Forwarding screen, Tap **Voice Mail / Call Forwarding**  **All OFF**  **CONFIRM**

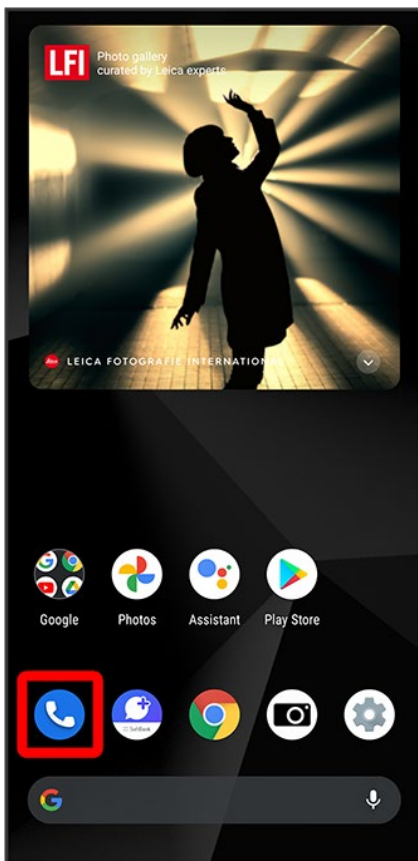



# Call Waiting

Requires separate subscription.

1

In Home Screen,  (Phone)

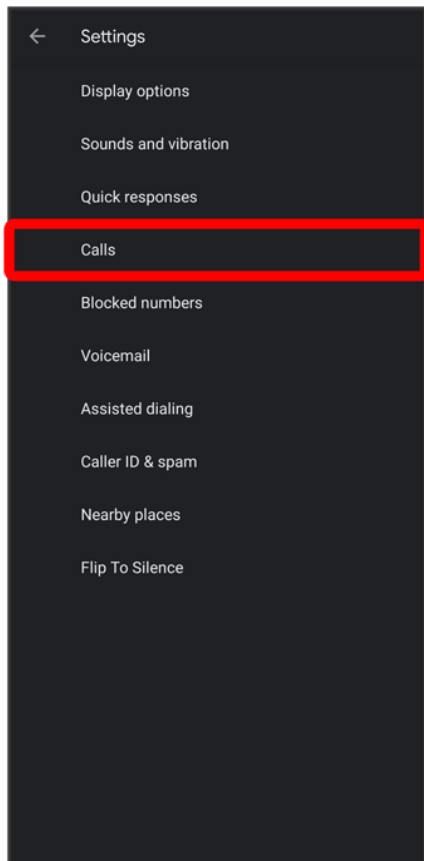


 Phone opens.

2

  Settings  Calls



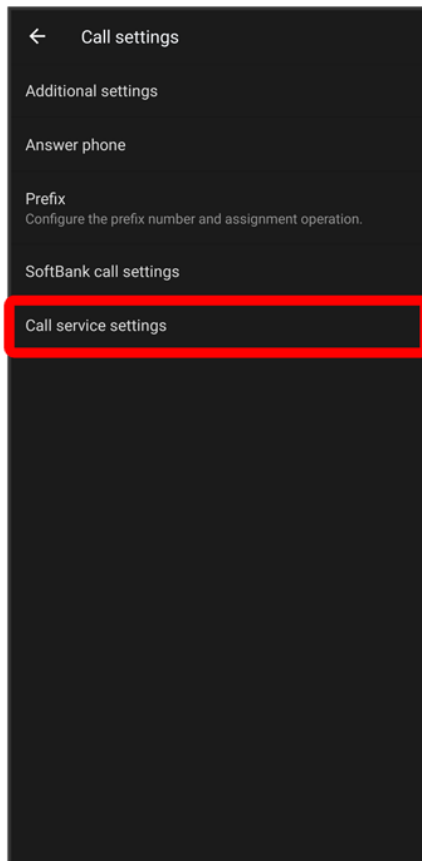



3

---

## Call service settings





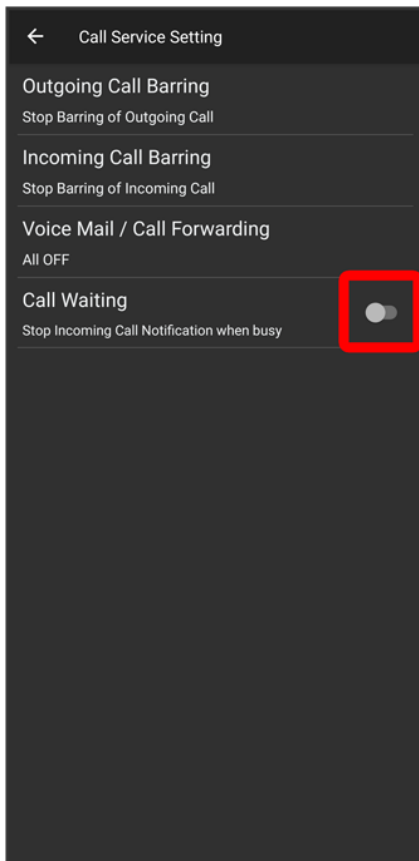
 Call service settings appear.

4

---

 for "Call Waiting" ()





 Call Waiting is set.





### When Call Arrives during Another Call

A tone sounds; Flick  up to begin call.



### Canceling Call Waiting

 for "Call Waiting" () in all service settings screen

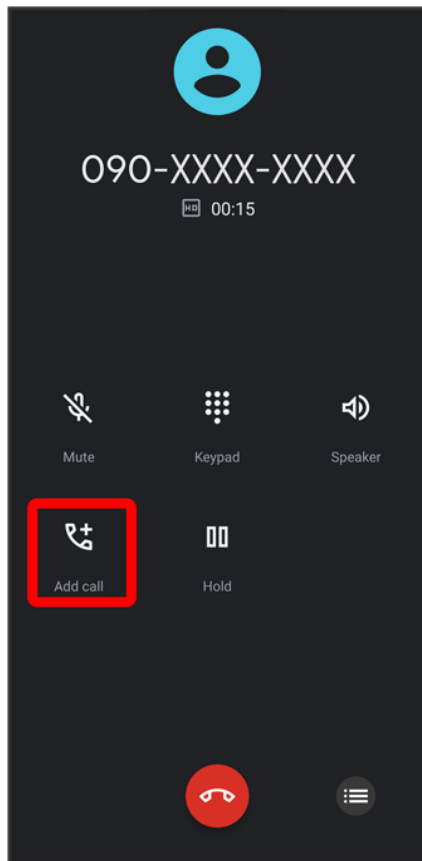
## Group Calling


Requires separate subscription.

1

During a call, **Add call**



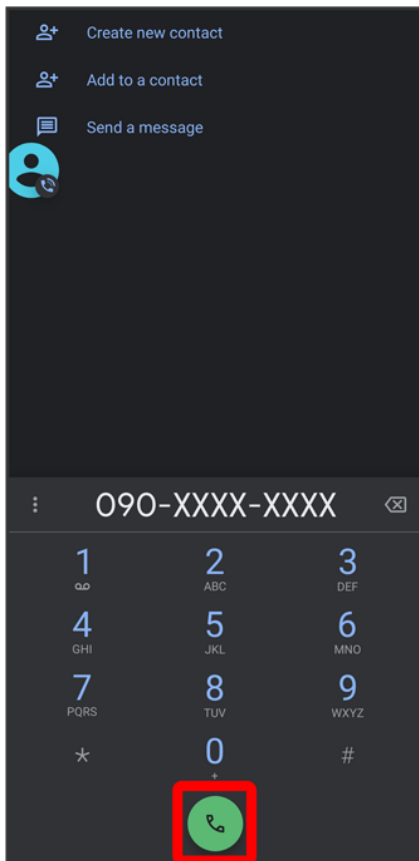


 Dialpad window opens.



Enter number  





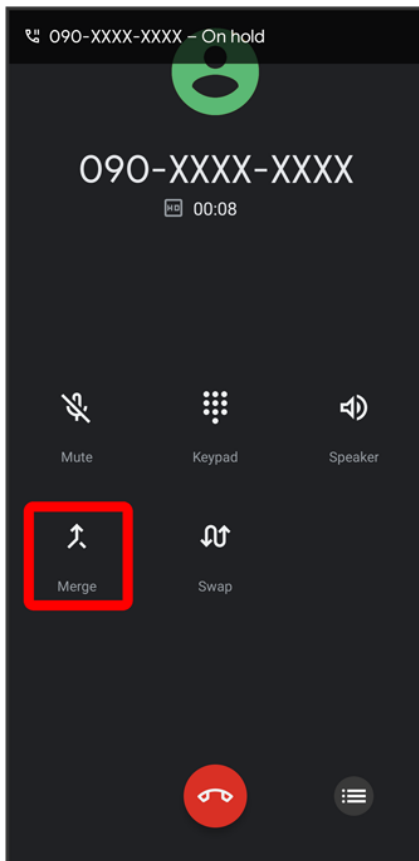
Call is added.


- Alternatively, Flick top of dialpad window down → **Contacts** → Tap contact → Tap number of call to add to add call.
- Flick top of dialpad window down → **Recents** → Tap 📞 for Call History entry to add.

3

When call connects, **Merge**






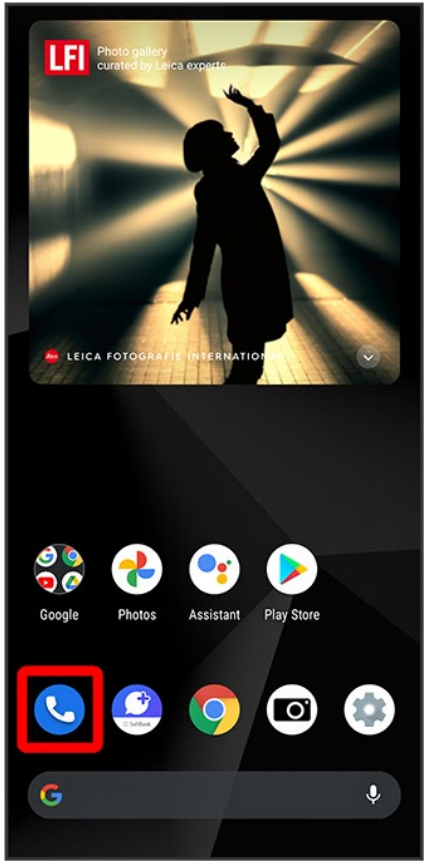
 Group Calling starts.

## Notify Caller ID

1

In Home Screen,  (Phone)



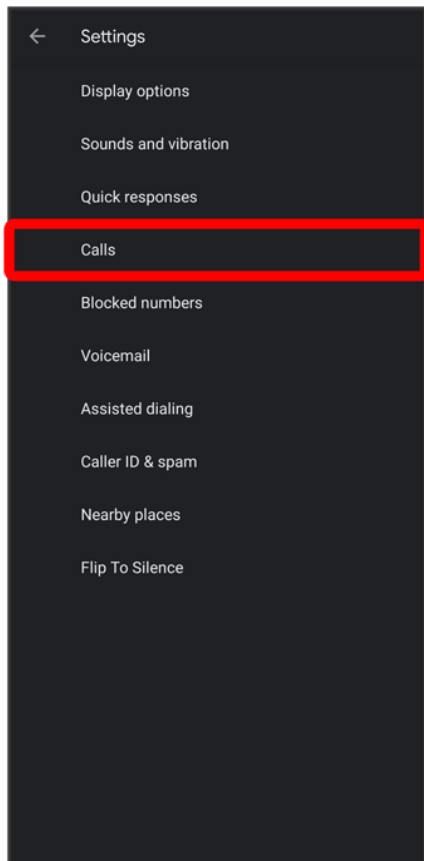


Phone opens.

2

⋮ → Settings → Calls



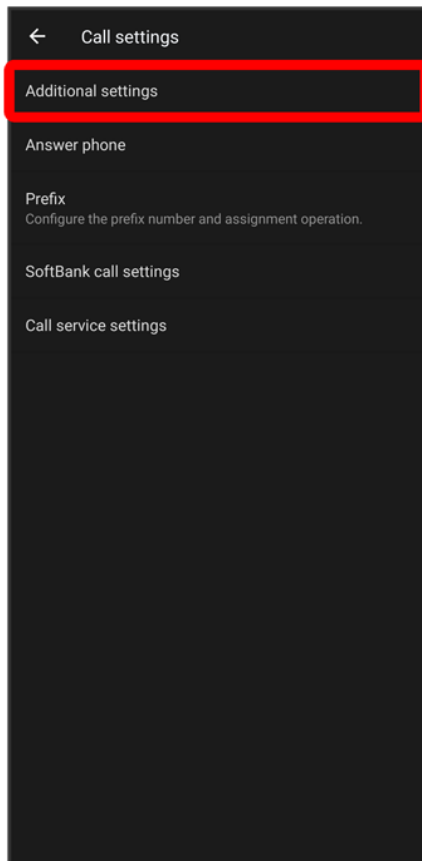



3

---

## Additional settings





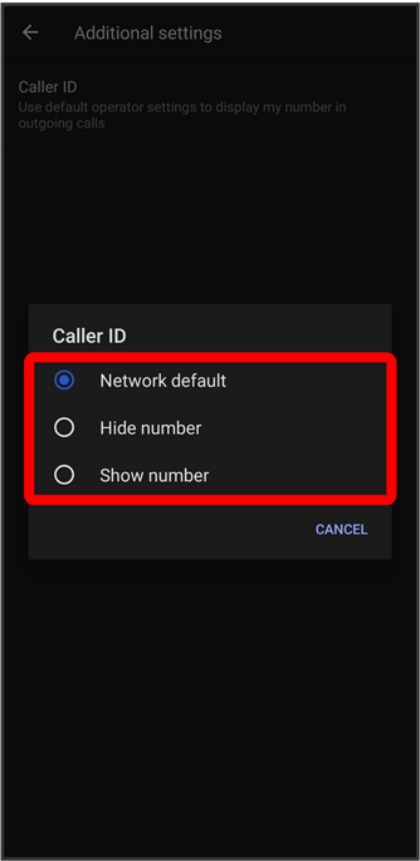
 Additional settings appear.


4

---

Caller ID  Network default/Hide number/Show number





 Caller ID is set.

- Set to **Network default** to notify number.

# Call Barring


Restrict outgoing/incoming calls and SMS messages.

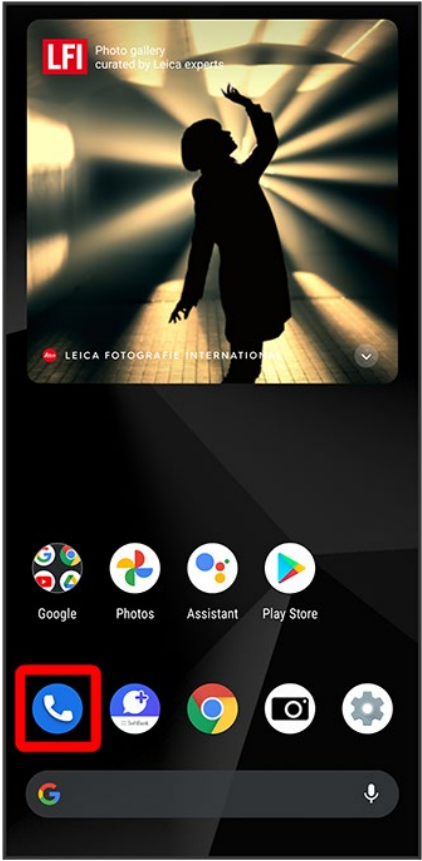
Restriction	Description
Outgoing Call Barring	<div>- Barring of All Outgoing Calls Restrict all outgoing calls.</div> <div>- Barring of All Outgoing International Calls Restrict international calls; while outside Japan, calls within current country are allowed.</div> <div>- Barring of Outgoing International Calls except Japan Restrict international calls; while outside Japan, calls within current country and to Japan are allowed.</div> <div>- Stop Barring of Outgoing calls</div>




	Cancel all outgoing call restrictions.
<b>Incoming Call Barring</b>	<ul style="list-style-type: none"><li>- Barring of All Incoming Calls</li></ul> Restrict all incoming calls. <ul style="list-style-type: none"><li>- Barring of All Incoming International Calls</li></ul> Reject calls while outside Japan. <ul style="list-style-type: none"><li>- Stop Barring of Incoming Call</li></ul> Cancel all incoming call restrictions.

1

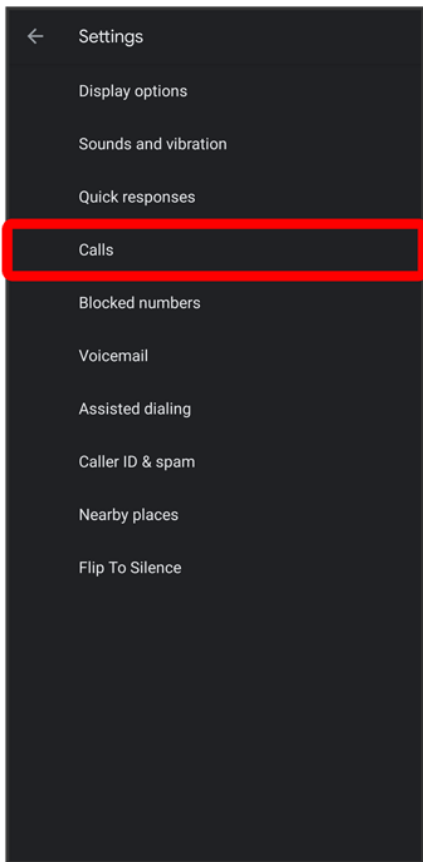
In Home Screen,  (Phone)



 Phone opens.

2

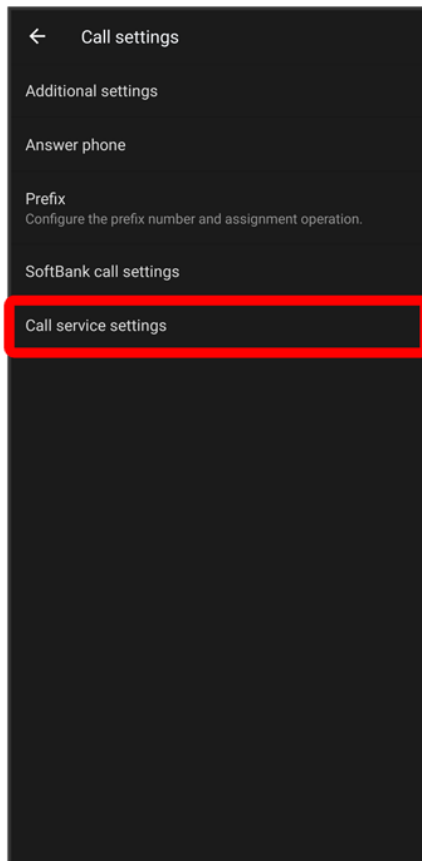





3

### Call service settings





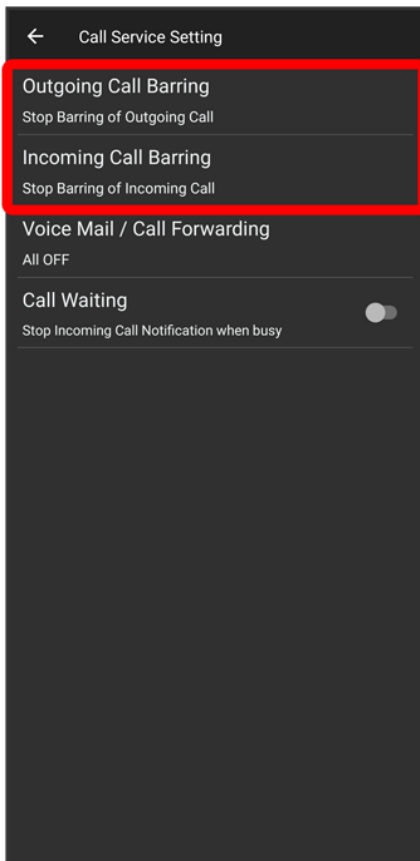
 Call service settings opens.

4

---

Outgoing Call Barring/Incoming Call Barring






## 5

Follow onscreen prompts

 Restriction is set.

### **Call Barring Operations**

#### **Setting Call Barring**

In Call service settings, **Outgoing Call Barring/Incoming Call Barring**  Tap barring method


#### **Canceling All Outgoing Call Restrictions**

In Call service settings, **Outgoing Call Barring**  **Stop Barring of Outgoing Call**

#### **Canceling All Incoming Call Restrictions**

In Call service settings, **Incoming Call Barring**  **Stop Barring of Incoming Call**

### **Troubleshooting**

 **Q** Calling is not barred



**A** Are you using Call Forwarding or Voicemail? Calling may not be barred even if Barring of All Outgoing Calls and Barring of All Incoming Calls are set.



# Handset Phone Number

---

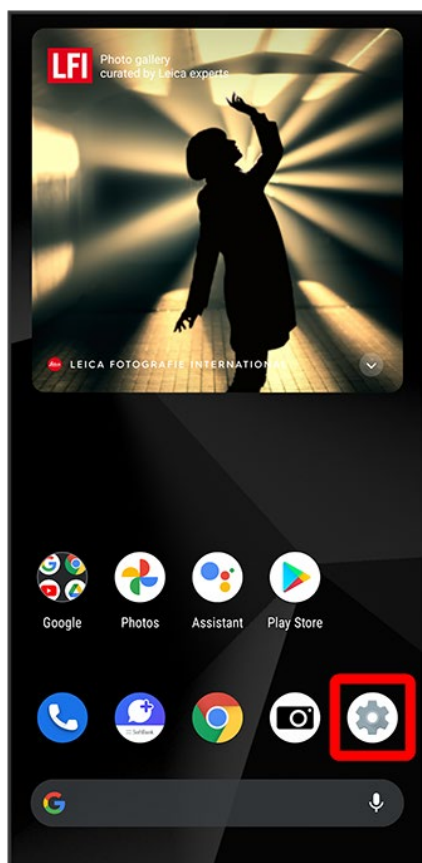
↓ [Checking Your Phone Number](#)

---

## Checking Your Phone Number

1

In Home Screen, ⚙️ (Settings)



🚩 Settings appear.

- Handset number is shown below "Phone number."





# Making Phone Settings

↓ Making Phone Settings

## Making Phone Settings

Check phone information and make settings. Settable items are the following.

Item	Description
Display options	<ul style="list-style-type: none"><li>- Sort by Change the sort order of callers/callees in Call History.</li><li>- Name format Change how caller/callee names are displayed in Call History.</li><li>- Choose theme Set themes of  (Phone) and  (Contacts).</li></ul>
Sounds and vibration	<p>Set ringtone, notification sound, etc. See "Sound Settings" for details.</p>
Quick responses	<p>Edit an SMS message for when unable to answer a call.</p>
Calls	<ul style="list-style-type: none"><li>- Additional settings Set caller IDs.</li><li>- Answer phone Set Answer phone.</li><li>- Prefix Save prefixes to add to numbers when dialing and set operation of prefixes.</li><li>- SoftBank call settings Make subaddress settings.</li><li>- Call service settings Set rules for incoming and outgoing calls, Voice Mail, Call Forwarding and Call Waiting.</li></ul>
Blocked numbers	<p>Set numbers to block calls from.</p>
Voicemail	<ul style="list-style-type: none"><li>- Notifications Make notification settings.</li><li>- Advanced Settings Check Voicemail settings.</li></ul>
Assisted dialing	<ul style="list-style-type: none"><li>- Assisted dialing Add country code candidates automatically when making calls overseas from Call History or Address Book.</li></ul>

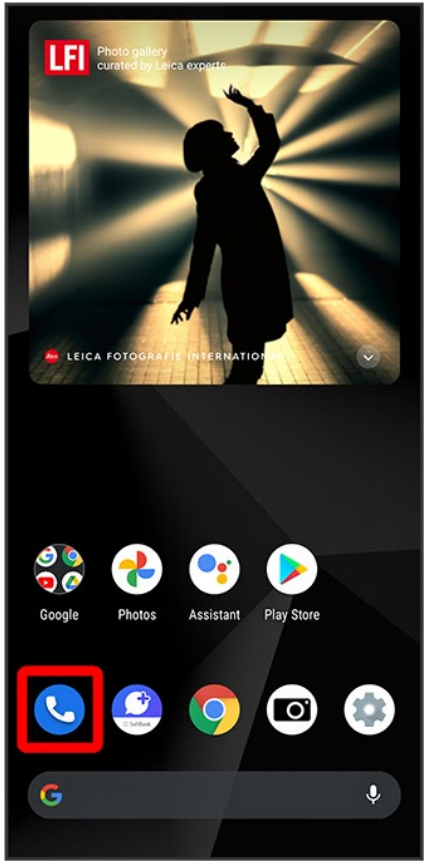


	<ul style="list-style-type: none"> <li>- Default home country</li> </ul> Set country codes to be added when using Dial Assist.
<b>Caller ID &amp; spam</b>	<ul style="list-style-type: none"> <li>- See caller and spam ID</li> </ul> Set whether to show name of caller unregistered in contacts. <ul style="list-style-type: none"> <li>- Filter spam calls</li> </ul> Set whether to show information about incoming calls that are suspected to be spam. <ul style="list-style-type: none"> <li>- Verified Calls</li> </ul> See the caller ID and reason for incoming calls from businesses.
<b>Nearby places</b>	<ul style="list-style-type: none"> <li>- Nearby places</li> </ul> Set whether to show search results for nearby places. <ul style="list-style-type: none"> <li>- Personalized search results</li> </ul> Set whether to show search results including search history when logging in to a Google account. <ul style="list-style-type: none"> <li>- Google Account</li> </ul> Check or add a Google account when <b>Personalized search results</b> is enabled. <ul style="list-style-type: none"> <li>- Location permission is denied</li> </ul> Tap to enable location information to search for nearby spots, and change to <b>Location settings</b> .
<b>Flip To Silence</b>	Set whether to silence an incoming call, etc. when handset is placed with its screen face down on a flat surface.

1

In Home Screen,  (Phone)



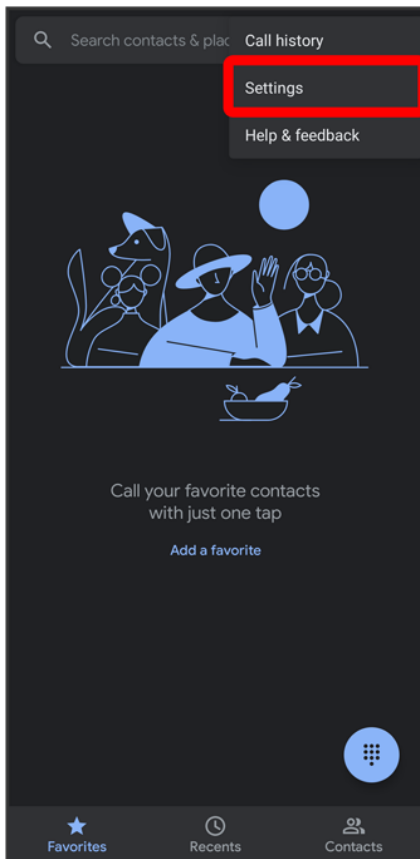


Phone opens.

2

⋮ → Settings





🚩 Phone settings open.

3

Set each item

🚩 Setting is complete.

## **+ Phone Setting Operations**

### **Editing SMS Message to Send to Caller when Unable to Answer**

In Phone settings, Quick responses → Tap message to edit → Tap Message field → Enter message → OK

### **Checking Storage Available and Recordable Number of Answer Phone Messages and Voice Memos**

In Phone settings, Calls → Answer phone → Current storage status

### **Setting/Canceling Answer Phone**

In Phone settings, Calls → Answer phone → Answer phone → Mannermode/ON/OFF

### **Checking Answering Message for Answer Phone**



In Phone settings, **Calls** → **Answer phone** → **Answering message confirm** → Touch & Hold "Answering message content" → **Play**

### Setting Answering Time for Answer Phone

In Call settings, **Calls** → **Answer phone** → **Answer time setting** → Select time → **SET**

- If arriving calls are disconnected before answer time that is set for Answer phone passes, disable Call Forwarding or Voicemail. See "Call Forwarding" and "Voicemail" for details on Call Forwarding or Voicemail.

### Saving Prefixes to Add to Numbers when Dialing

In Call settings, **Calls** → **Prefix** → **Edit Prefix** → Tap Prefix field → Enter prefix number → **OK**

### Setting Operation of Prefixes

In Call settings, **Calls** → **Prefix** → **Prefix Preference** → **Always**/**Show Dialog every time**/**Never**


### Setting Whether "\*" in Number Is Subaddress Delimiter

In Call settings, **Calls** → **SoftBank call settings** → **Sub address settings**

- If confirmation appears, follow onscreen prompts.

### Rejecting Calls from Unnotified Numbers

In Call settings, **Blocked numbers** → **Unknown**

- Tap **Unknown** to toggle on () / off ()

### Barring Calls from Specified Numbers

In Call settings, **Blocked numbers** → **Add a number** → Tap Number field → Enter the number → **Yes**



# Address Book

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Save phone numbers and mail addresses as well as birthdays, nicknames, etc.  
Set ringtones for each contact as needed.

---

↓ [Adding New Contacts](#)

---

↓ [Dialing from Contacts](#)

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## Address Book Caution

Contacts may be altered/lost if handset is left uncharged or due to accidents, malfunctions, repairs, handset upgrade/replacement, mishandling, etc. Back up important contacts and other data regularly. SoftBank Corp. is not liable for any damages resulting from loss/alteration of contacts.

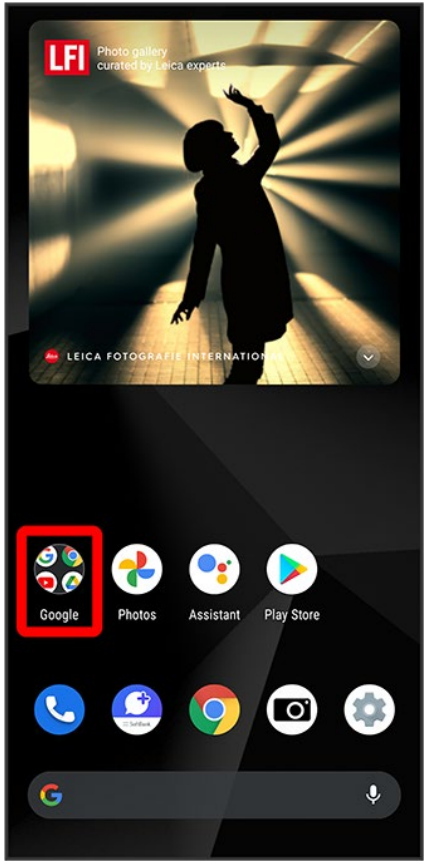
## Adding New Contacts

1

---

In Home Screen,  (Google)

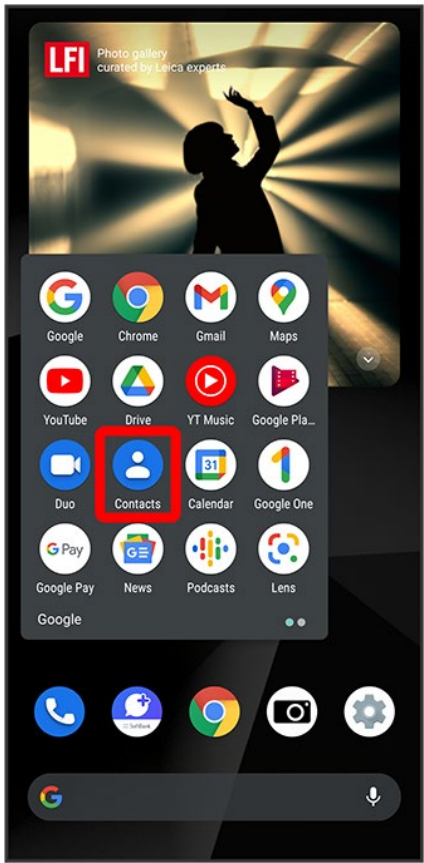




2

 (Contacts)



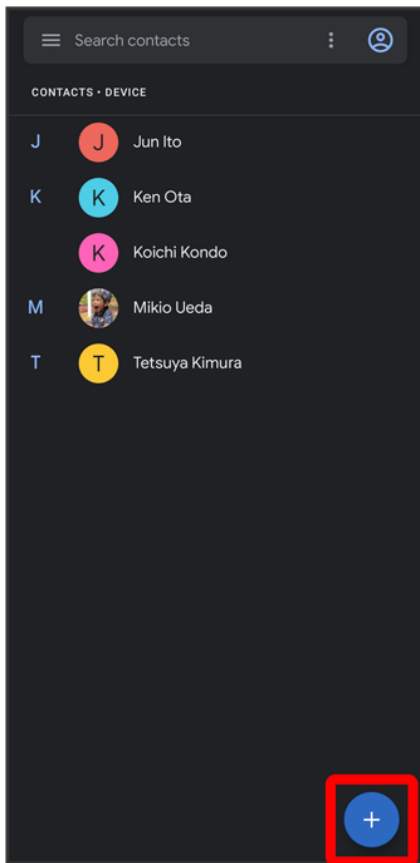


 Contacts opens.

 3

 +





🚩 Window for saving new contact opens.

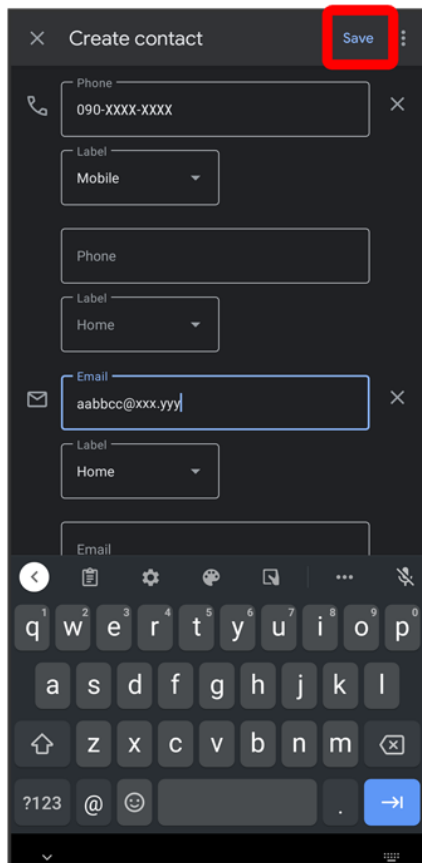
- If confirmation appears, follow onscreen prompts.

4

---

Set/enter each item ➡ Save





 Contact is saved.

## Operations when Saving Contacts



### Showing Other Savable Items

In window for creating new contact, **More fields**

- Save residential address, chat, memos, etc.


### Setting (Labels) Groups

In window for creating new contact, **More fields** → **Label** → Tap label (  )

- Tap label to toggle selected (  )/unselected (  ).


- To add a new label, in window for creating new contact, **More fields** → **Label** → **Create new...** → Enter name of label → **OK**.

### Saving Label for Phone Number, Etc.

In window for creating new contact,  → Tap label to save

- For **Custom**, enter label name → **OK**.

### Deleting Entered Phone Number, Etc.

In window for creating new contact,  for item

### Syncing with Contacts on Server

Sync handset Address Book with Google contacts on server. Also sign in to a Google



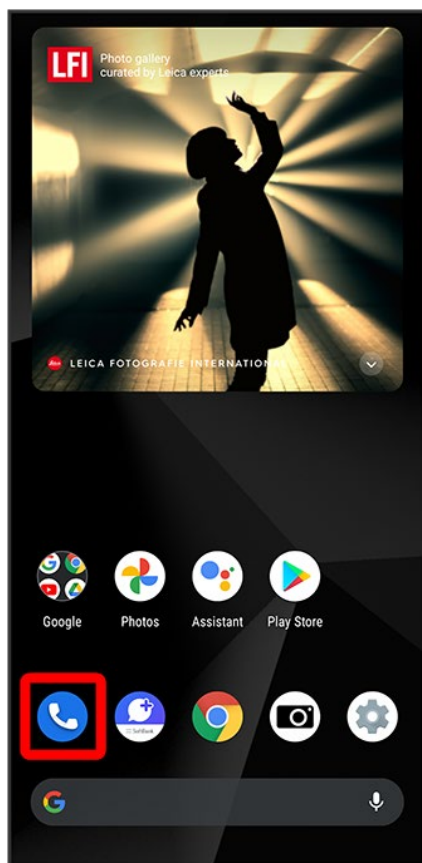
Account before syncing with a non-Google Account.

In Home Screen, ⚙️ (Settings) ➔ Accounts ➔ Tap account to sync ➔ Account sync  
➔ Contacts(🔘)

## Dialing from Contacts

1

In Home Screen, ☎️ (Phone)

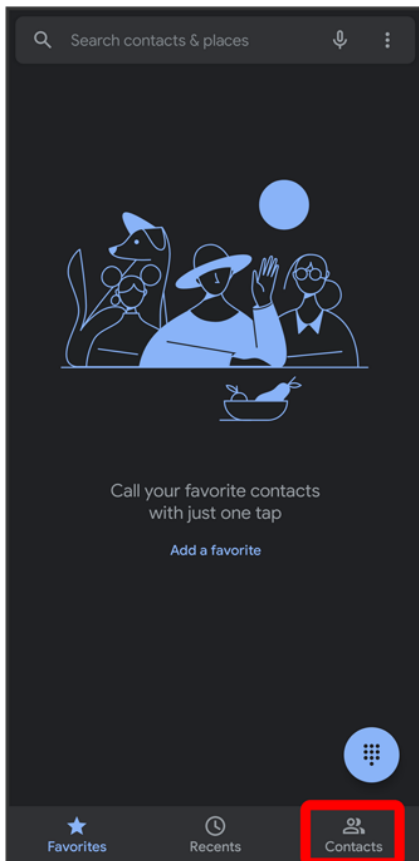


📞 Phone opens.

2

Contacts





🚩 Contacts appear.

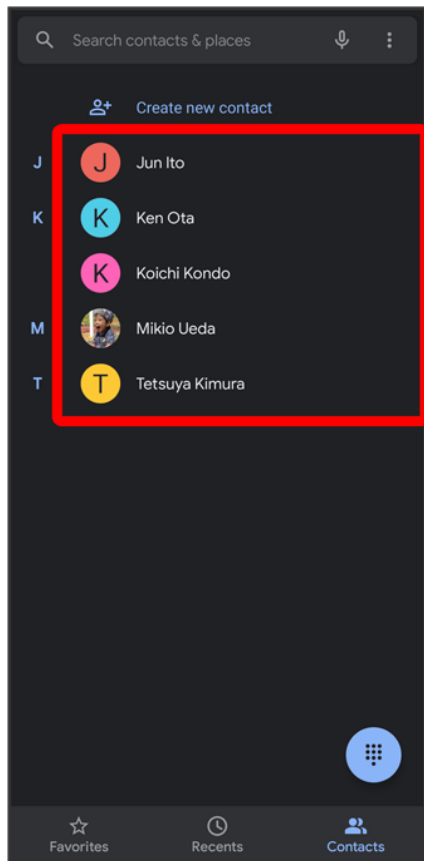
- In Home Screen, 🌐 (Google) ➡ 👤 (Contacts) to show contacts.

3

---

Tap contact





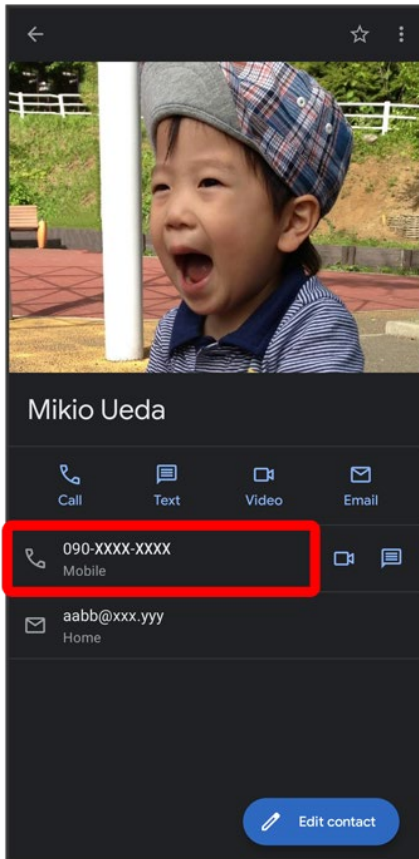
🚩 Contact opens.


4

---

Tap number





 Handset dials number. Call begins when other party answers.

- Alternatively, Tap **Call** to make a call.



# Sending Messages (+メッセージ (+Message))

---

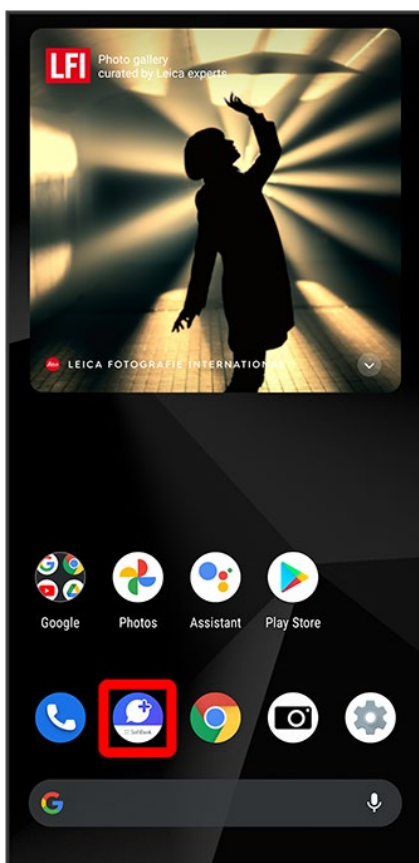
↓ Sending New Messages

---

## Sending New Messages

1

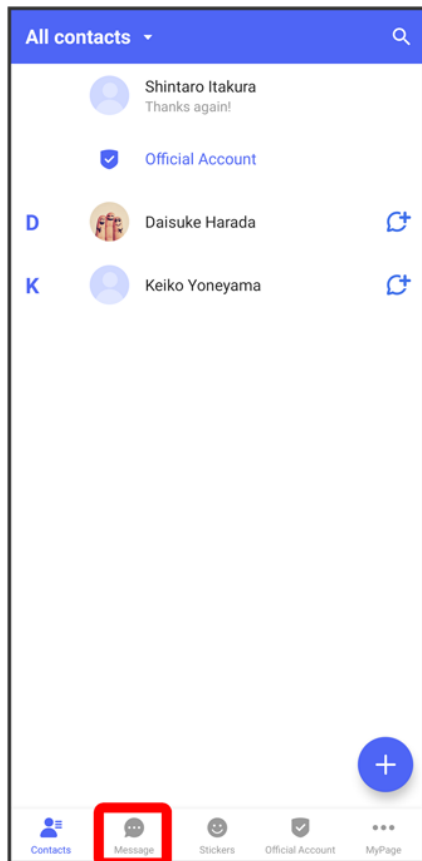
In Home Screen,  (+メッセージ)



2

Message

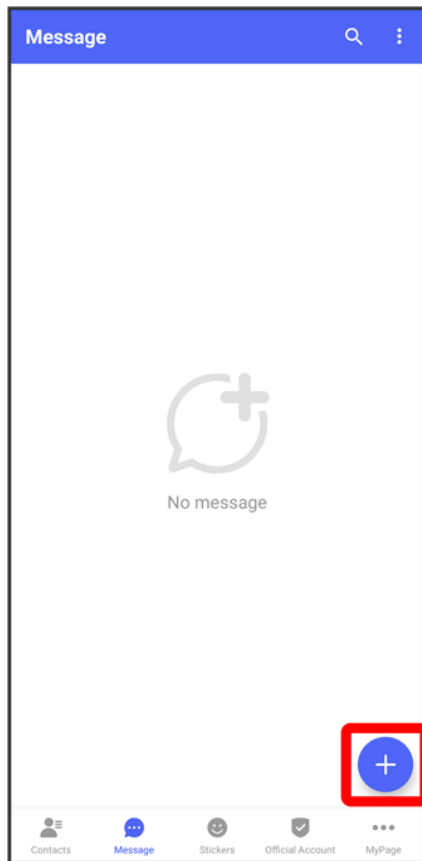




3







4

New message

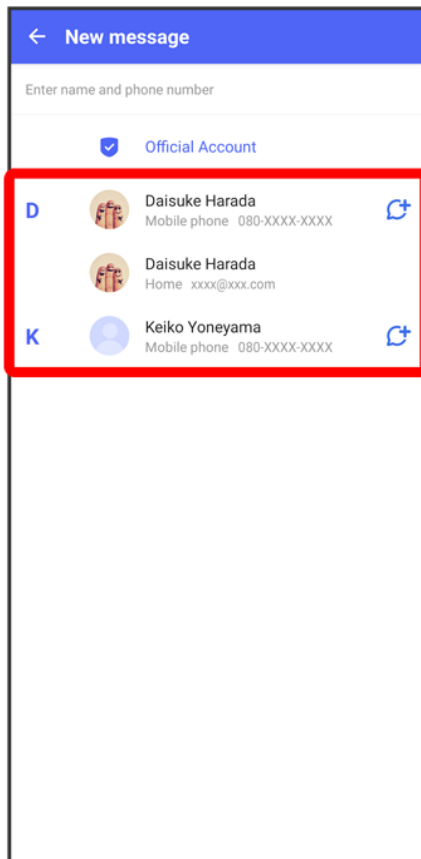




5

Tap recipient





🚩 Message window opens.

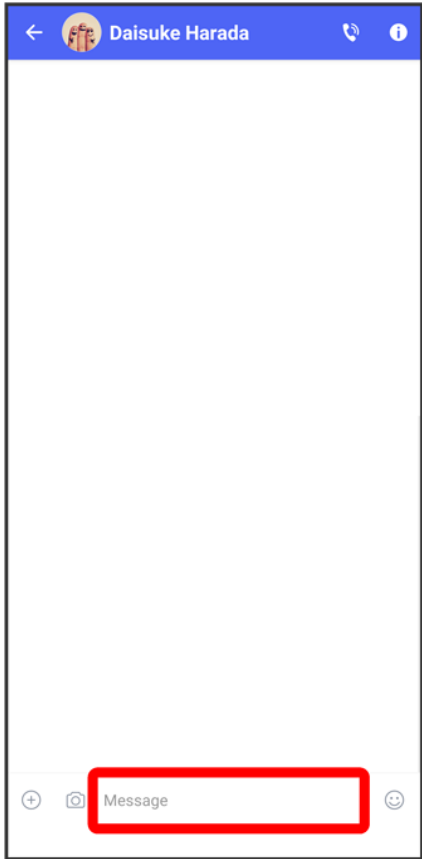
- To send to a phone number/email address not saved in contacts, enter phone number/email address in Enter name and phone number field ➡ Tap **Add** and create message.

6

---

Tap message entry field

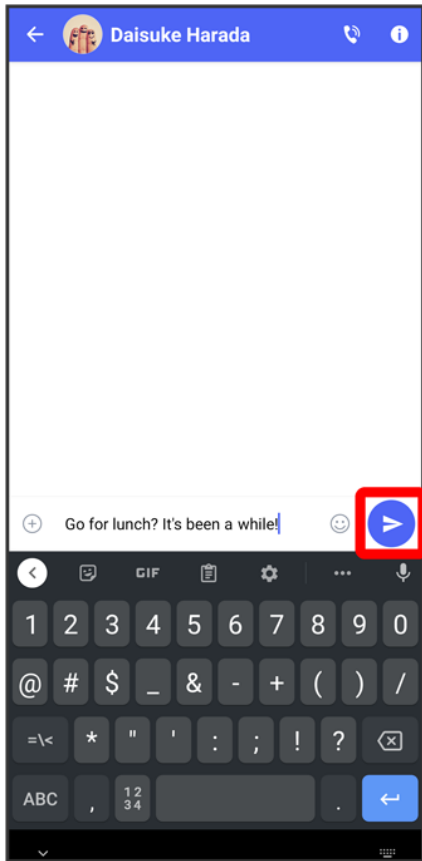




7

Enter message ➡





🚩 Message is sent.



# Using Gmail

---

Use Gmail (Google's webmail service) as well as your work/personal email.

---

↓ [Setting an Account](#)

---

↓ [Creating/Sending Gmail](#)

---

↓ [Opening New Gmail](#)


---

↓ [Opening Gmail](#)

---

## Setting an Account

Set up a Google Account or an email account to use Gmail.

When activating  (Gmail) for the first time, account setup menu appears; complete setup.

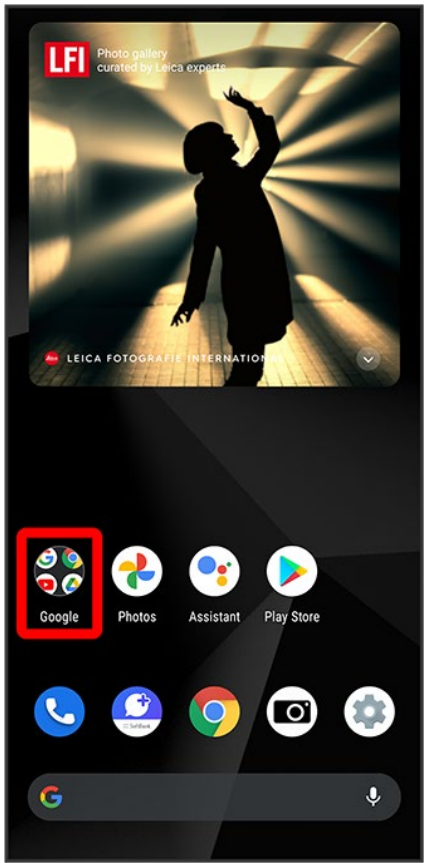
- Account setup menu does not appear if you are already signed in to a Google Account.
- To use your existing account, information such as username (user ID), password, and server name is required.

1


---

In Home Screen,  (Google)

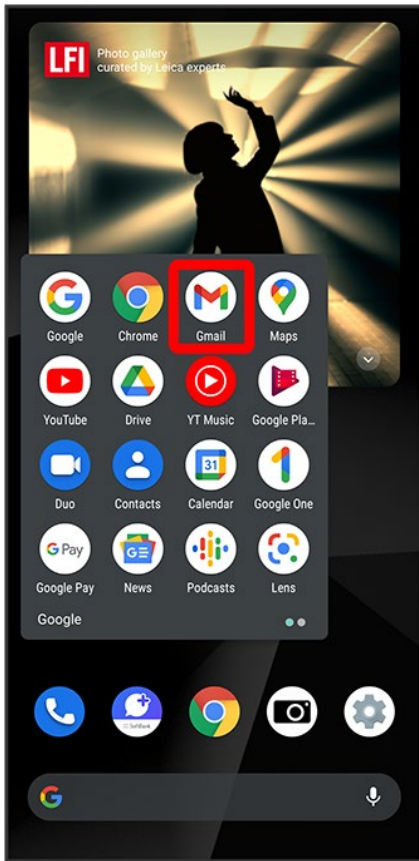




2

 (Gmail)





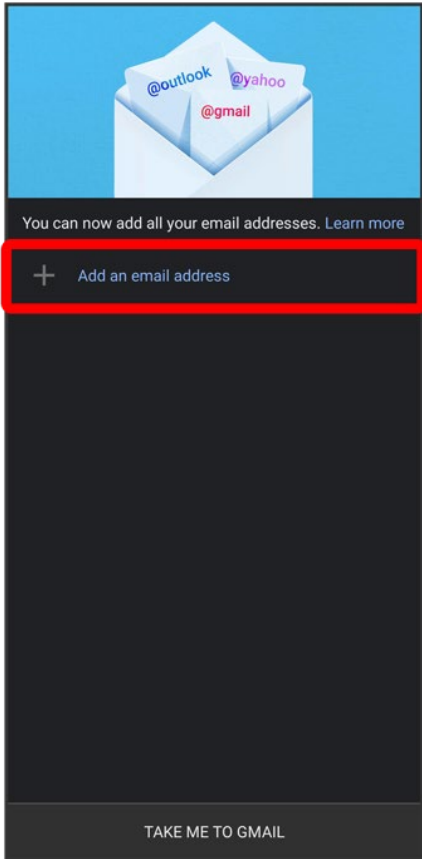
 Account setup menu opens.

- If confirmation appears, follow onscreen prompts.

**3**

Add an email address

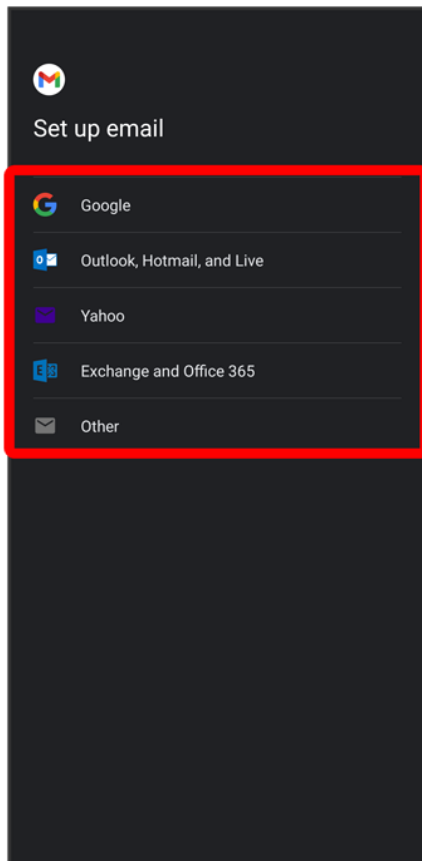




4

Tap account type






5

Follow onscreen prompts

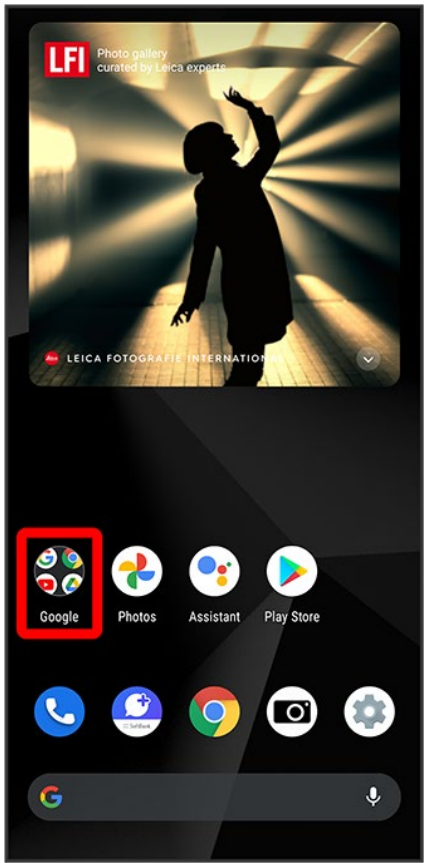
 Account setup is complete.

## Creating/Sending Gmail


1

In Home Screen,  (Google)

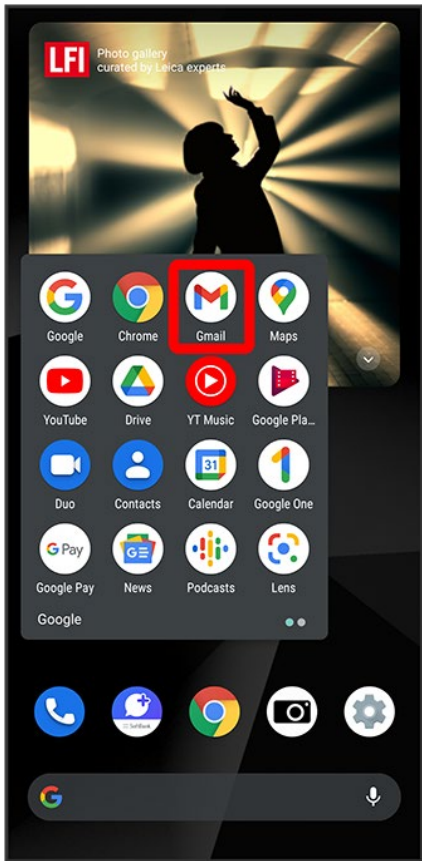




2

 (Gmail)



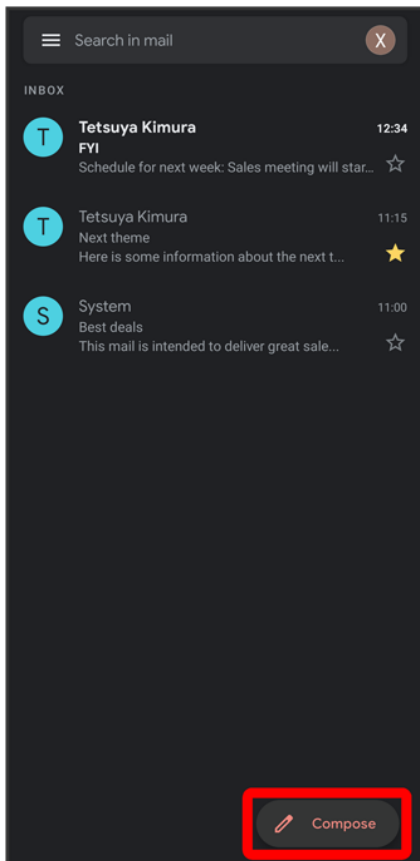


 Message list opens.



Compose





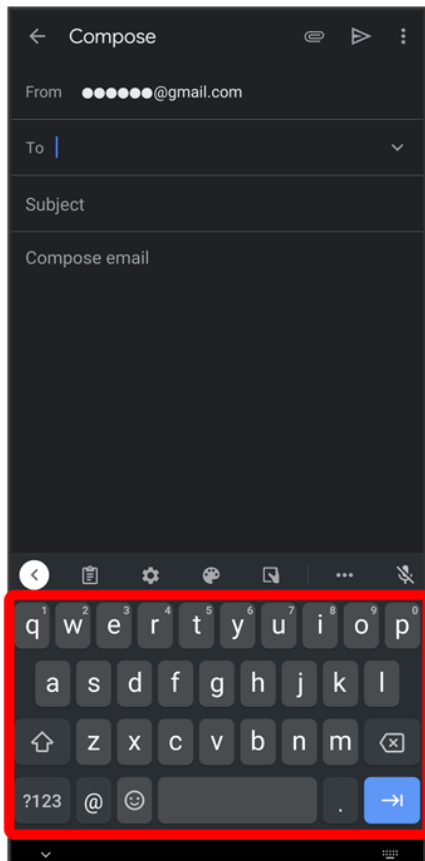
Message composition window opens.

4

---

Enter recipient, subject and text

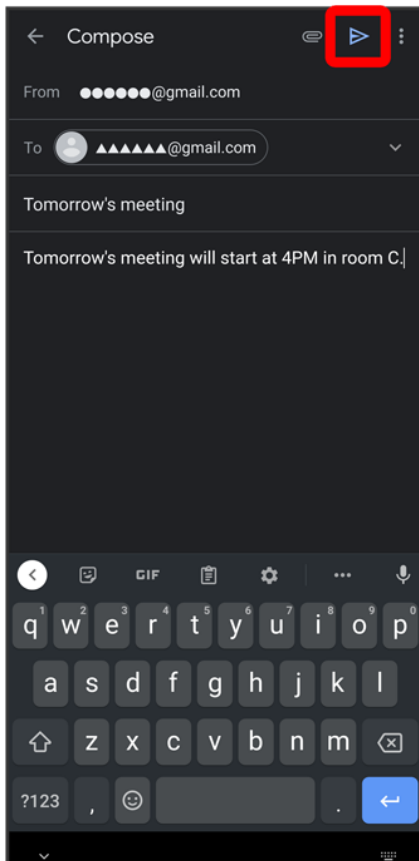




5








 Message is sent.

## Operations when Creating Message

### Adding Cc/Bcc Recipients

In message composition window,  in Recipient field  Enter recipient

### Attaching Files




In message composition window,   Attach file  Select where file is saved   
Select file

■ To attach files saved in Google Drive™, select **Insert from Drive**.

### Selecting Recipients from Address Book

In message composition window,   Add from Contacts  Select recipient




### Setting Confidential Mode

In message composition window,   Confidential mode  Set each item  **SAVE**

### Saving Current Message as Draft

While creating message,   **Save draft**

### Discarding Current Message

In message composition window,   **Discard**  **Discard**

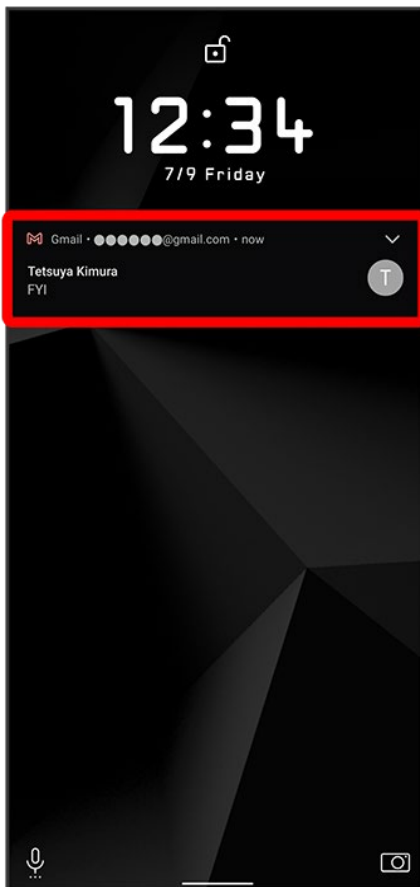



# Opening New Gmail


When message arrives, new message notification appears in lock screen.

1

In lock screen, Tap new message notification twice




 Message window opens.

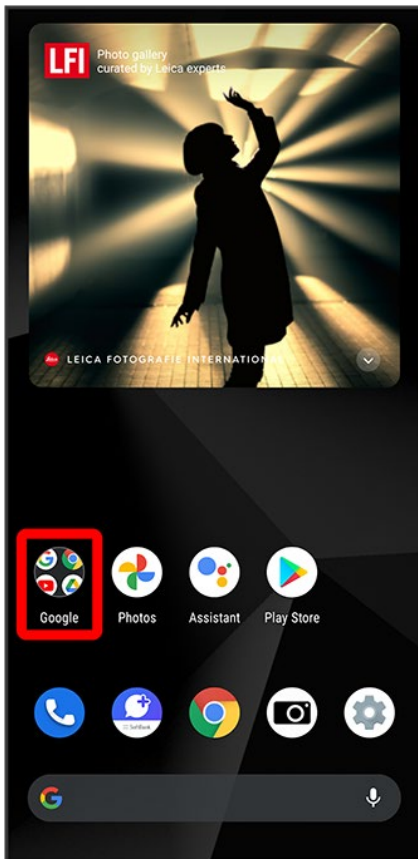
- For two or more new messages, message list opens; Tap one.
- When screen is unlocked,  appears on Status Bar. Flick Status Bar down, then Tap notification.




# Opening Gmail

1

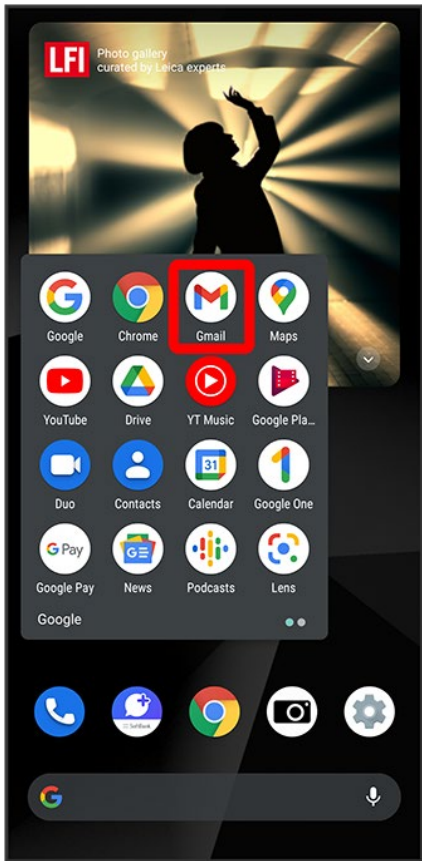
In Home Screen,  (Google)



2

 (Gmail)



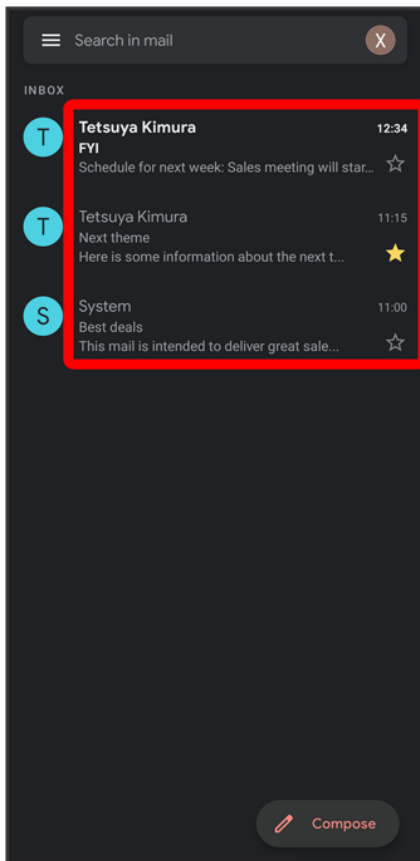



Message list opens.

3

Tap message











 Message window opens.






## Operations when Opening Messages

### Replying to Messages

In message window,  for message to reply to  Create message  


- To reply to all, in message window,  for message to reply to  Reply all.
- Alternatively, at bottom of message window, Tap Reply/Reply all.




### Forwarding Messages

In message window,  for message to forward  Forward  Create message  


- Alternatively, at bottom of message window, Tap Forward.




### Resetting Messages as Unread

In message window, 

- Alternatively, in message list, Tap icon for message to reset as unread ()  .


### Deleting Messages




In message window, 

- Alternatively, in message list, Tap icon for message to delete ()  .

### Archiving Messages



In message window, 

- Alternatively, in message list, Tap icon for message to archive (  )   .

---

### **Syncing Accounts Manually**

In message list, Flick down

- Sync sent and received messages manually at any time regardless of the automatic sync settings.



# Using the Internet (Chrome)

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Use Chrome simply by entering words to search for or URLs.

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↓ [Using Chrome](#)

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↓ [Adding Bookmarks](#)

---

↓ [Checking Browsing History](#)

---

↓ [Setting Chrome](#)

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## TLS

TLS (Transport Layer Security) is a protocol for encrypting sent/received data. While in a screen connected by TLS, data is encrypted to safely send/receive private information, credit card numbers, corporate secrets, etc., and provide protection against online threats (eavesdropping, falsification, impersonation, etc.).



## TLS Caution

When opening a secured page, users must decide as their responsibility whether or not to open the page with use of TLS. SoftBank Corp. and the Certification Authorities Symantec Website Security G.K. and Cybertrust make no guarantees whatsoever to users regarding security of TLS.

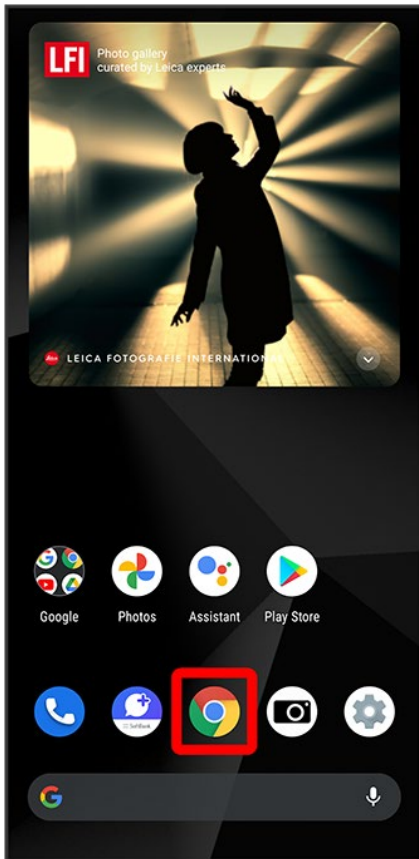
## Using Chrome




---

In Home Screen,  (Chrome)





 Chrome activates.

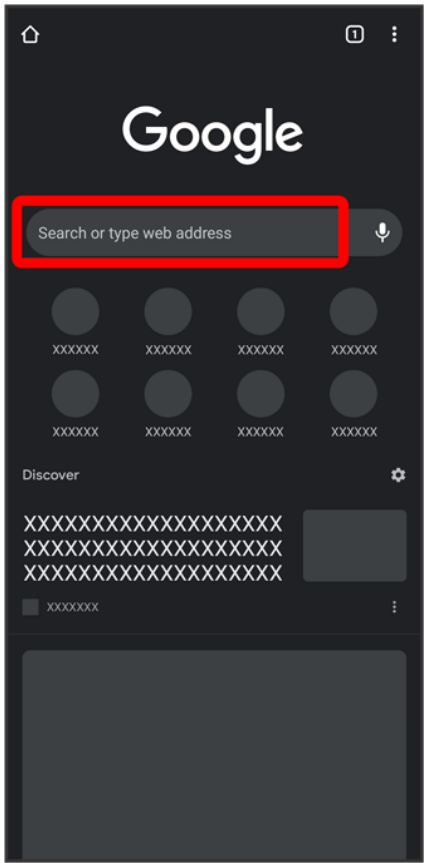
- If confirmation appears, follow onscreen prompts.

**2**

---

Tap Text entry field

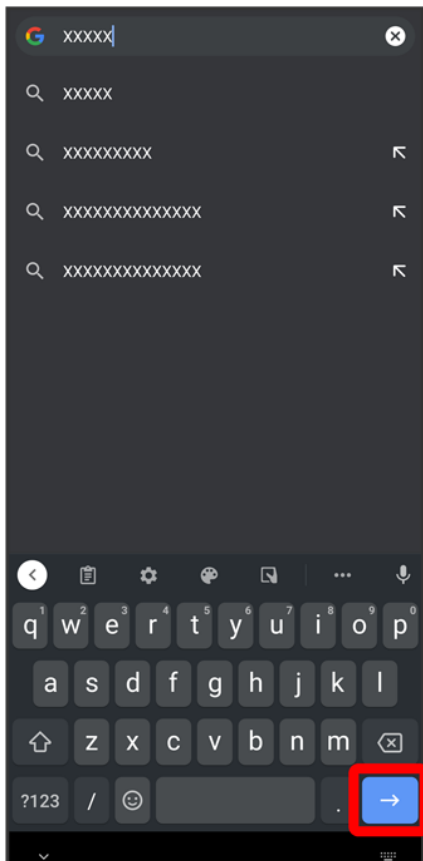




3

Enter search string or URL ➡ ➡







 Search results appear or a Website opens.

## Chrome Operations

### Opening New Tabs

Open multiple Websites in different tabs to switch between them easily.

In Chrome,   New tab

- To switch tabs, Tap  and then target tab.
- Number in  changes with number of tabs.

### Viewing Websites without Leaving Browsing History, Cookies, Etc.


In Chrome,   New incognito tab  Follow onscreen prompts

### Opening Recent Tabs




In Chrome,   Recent tabs  Tap tab

### Closing Tabs

In Chrome,    for tab

- Alternatively, Flick tab left/right to close.
- Number in  changes with number of tabs.

### Searching within Website

In Chrome,   Find in page  Enter search text










Search results are highlighted.

### **Saving (Downloading) Images**

In Chrome, Touch & Hold image → **Download image**

- If confirmation appears, follow onscreen prompts.
-  appears on Status Bar when image is saved (downloaded). To open the image, Tap download complete notification in Notifications Window.
- Open saved (downloaded) image from  (Files),  (Photos), etc.

### **Opening Saved (Downloaded) Image, Etc.**

In Home Screen,  (Google) →  (Files) → **Browse** → **Downloads** → Tap image, etc.

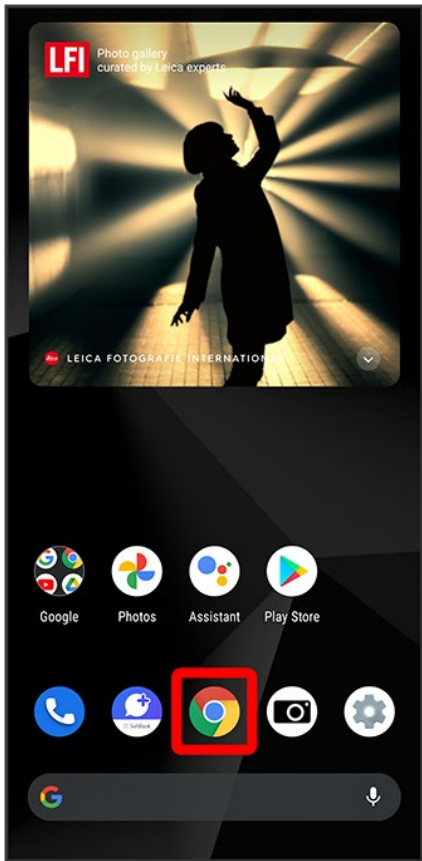
- If confirmation appears, follow onscreen prompts.


## **Adding Bookmarks**

1

In Home Screen,  (Chrome)



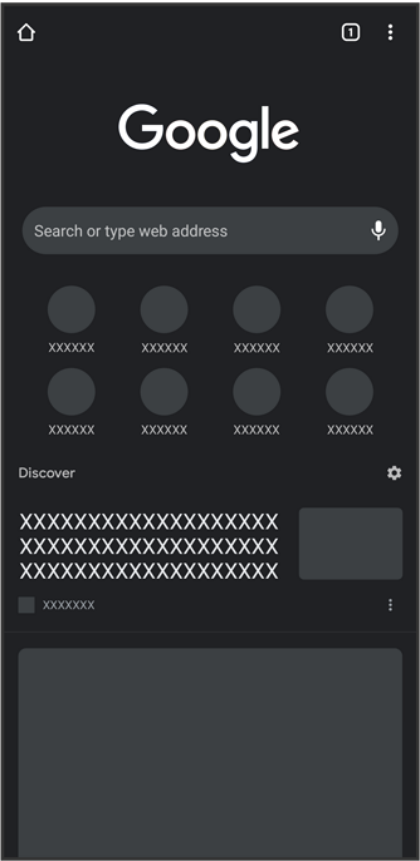


 Chrome activates.

 2

Show Website to add





3



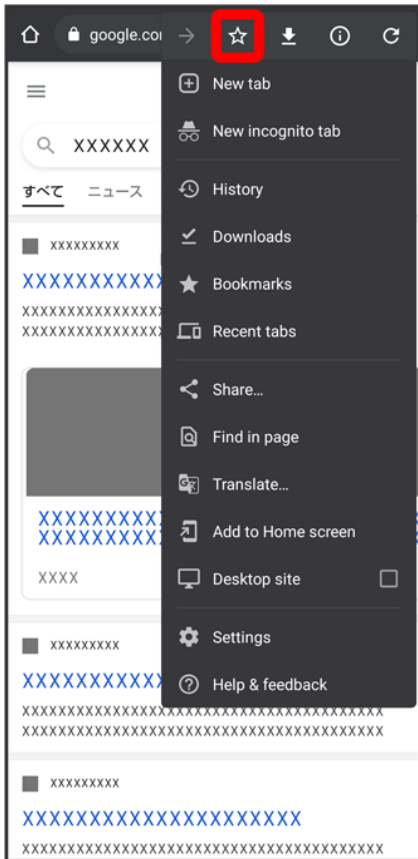





4





















 Current Website is added to Bookmarks.

## Bookmark Operations

### Editing Bookmarks

In Chrome,   Bookmarks   for bookmark to edit  Edit  Edit each item  

### Moving Bookmarks

In Chrome,   Bookmarks   for bookmark to move  Move to...  Select location

■ SoftBank folder and bookmarks in SoftBank folder cannot be moved.


### Deleting Bookmarks

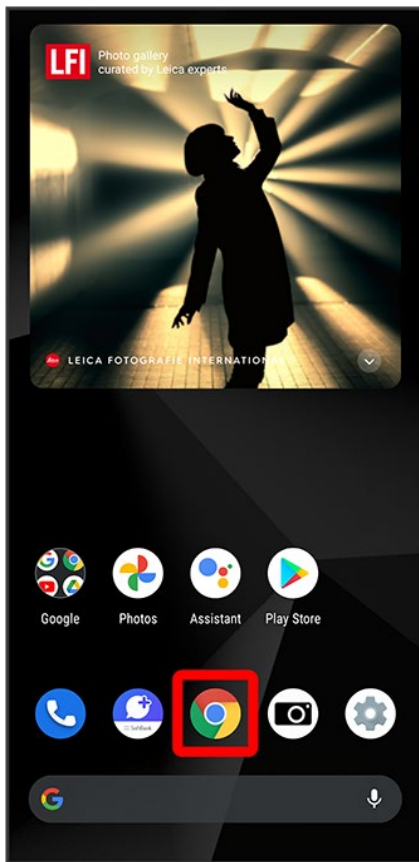
In Chrome,   Bookmarks   for bookmark to delete  Delete


## Checking Browsing History

1



In Home Screen,  (Chrome)

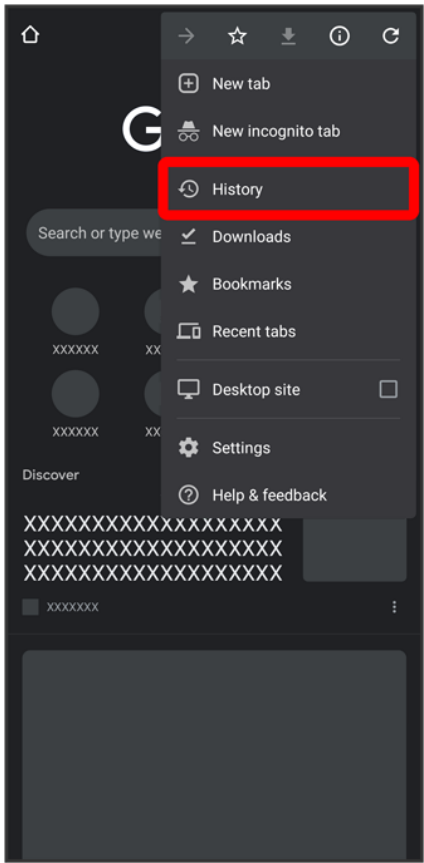


 Chrome activates.

2

  History



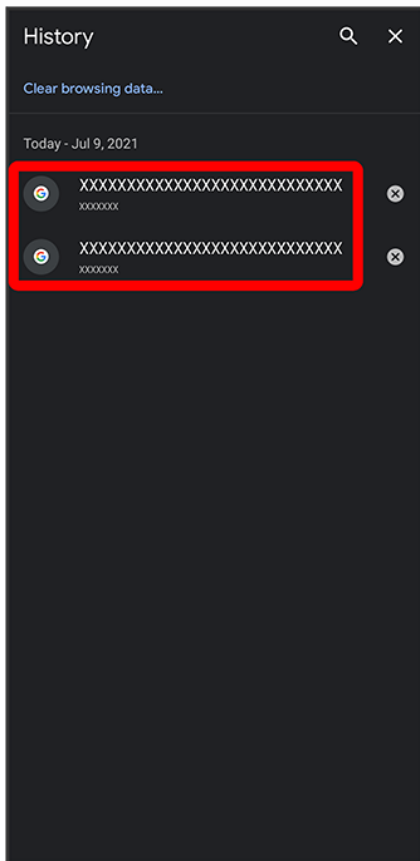


🚩 History window opens.

3

Tap record





 Website opens.

## Setting Chrome

Make Chrome settings. Settable items are the following.

Item	Description
<b>Sign in to Chrome</b>	Sign in to your Google Account and make settings for bookmarks, history, etc. View account information.
<b>Sync and Google services</b>	Set whether to sync with Chrome and check Chrome data on other devices, and to use Google services.
<b>Search engine</b>	Select a search engine.
<b>Passwords</b>	Enable or disable the saving of user names and passwords by websites, confirm/delete websites that have saved passwords, etc.
<b>Payment methods</b>	Set whether to automatically enter payment information in forms, and edit credit card information.

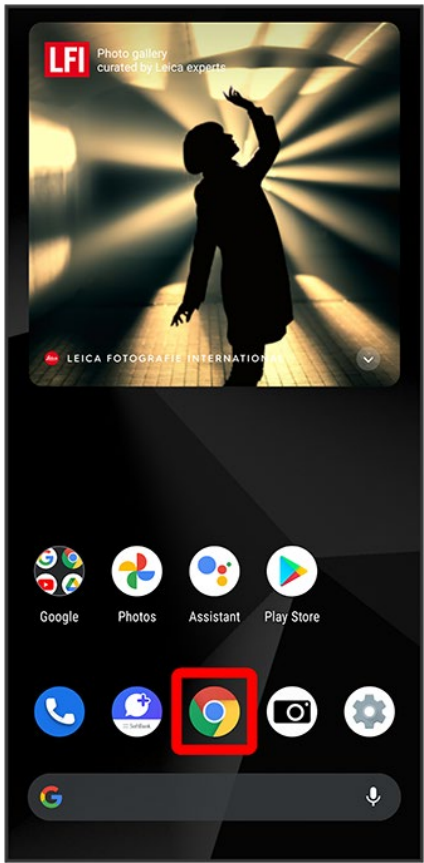


<b>Addresses and more</b>	Set whether to automatically enter information such as residence addresses, phone numbers and mail addresses in forms, and edit residence addresses and other information.
<b>Privacy and security</b>	Set whether to allow sites to access your payment methods, clear browsing history, etc.
<b>Safety check</b>	Check whether handset is protected from unauthorized access to data and unsafe websites.
<b>Notifications</b>	Make notification settings.
<b>Theme</b>	Set a screen theme when using Chrome.
<b>Homepage</b>	Set a homepage.
<b>Accessibility</b>	Set text size, etc.
<b>Site settings</b>	Set whether to allow cookies, enable JavaScript, etc.
<b>Languages</b>	Make language settings.
<b>Lite mode</b>	Set whether to use the Google server for faster page loading.
<b>Downloads</b>	Set save destination, etc. for downloaded data.
<b>About Chrome</b>	View version information, etc. about Chrome.



In Home Screen,  (Chrome)



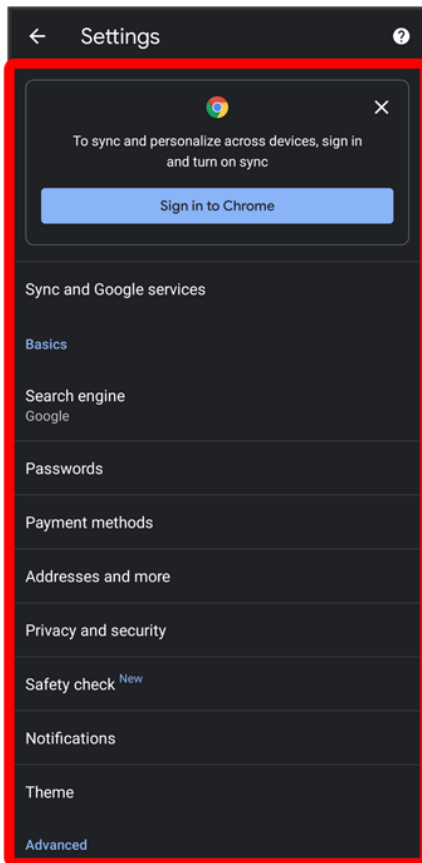


🚩 Chrome activates.

2

☰ ➡ Settings ➡ Set items





🚩 Settings are complete.

- For some items, additional settings may appear when Tapping the item.



# Capturing Photos/Videos

Photos and videos taken with handset are saved to handset (internal storage). To save them on SD Card, insert SD Card before using Camera, then change save location as follows.

In Home Screen,  (Camera)    COMMON  Save To  SD card

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↓ Capturing Photos

---

↓ Photo Viewfinder (Back Camera) Layout

---

↓ Photo Viewfinder (Front Camera) Layout

---

↓ Recording Videos

---

↓ Video Viewfinder Layout

---

↓ Video Viewfinder Layout While Capturing

---

## Camera Cautions

### General Use

Mind etiquette when using Camera.

Test Camera before shooting special moments.

Do not use Camera in places where shooting is prohibited.

Shot images may not be used/transferred without copyright holder (photographer) permission, except for personal use.

### If Lens Becomes Dirty

Fingerprints/smudges on lens prevent capturing of clear images. Wipe lens with a soft cloth beforehand.

### Avoid Exposure to Direct Sunlight

Be careful not to expose lens to direct sunlight for long periods. May discolor color filter and affect color of images.

## Mobile Light Warning

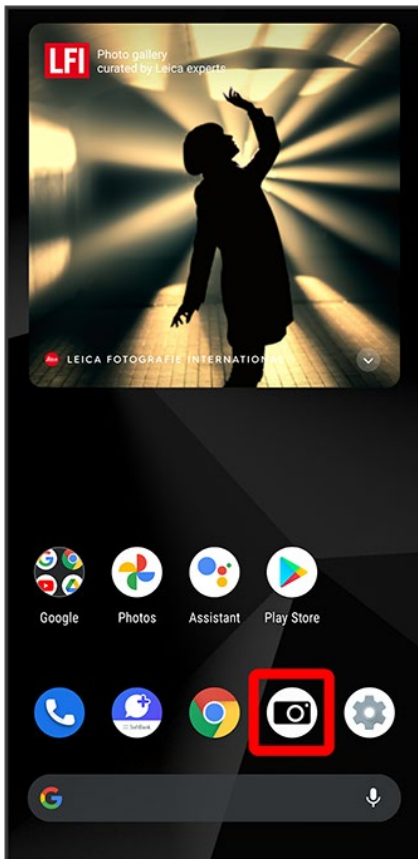
Do not turn on Mobile Light close to eyes, look directly at Mobile Light when on, or shine Mobile Light in eyes; may affect eyesight or cause other problems.



# Capturing Photos

1

In Home Screen,  (Camera)



- If confirmation appears, follow onscreen prompts.

2

Drag shooting mode at bottom to left/right and select **PHOTO**



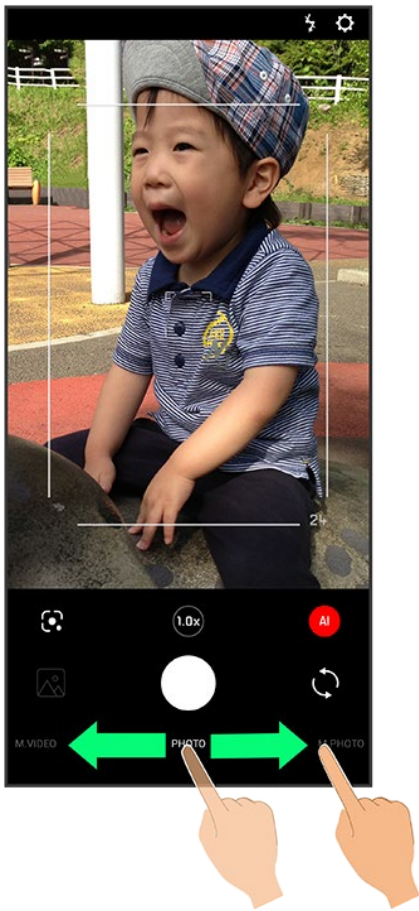


Photo Viewfinder appears.

- Drag shooting mode at bottom to left/right and select **LEITZ LOOKS** to capture monochrome photo.
- Drag shooting mode at bottom to left/right and select **M.PHOTO** to change the setting manually before capturing.
- Drag shooting mode at bottom to left/right and select **NIGHT** to capture a night scene with an optimal mode.
- Drag shooting mode at bottom to left/right and select **PORTRAIT** to focus on subject and capture a photo with a softened background.
- See "撮影モードを切り替える" (Japanese) for details on settings, etc. for each shooting mode.

3

Aim Back Camera at subject



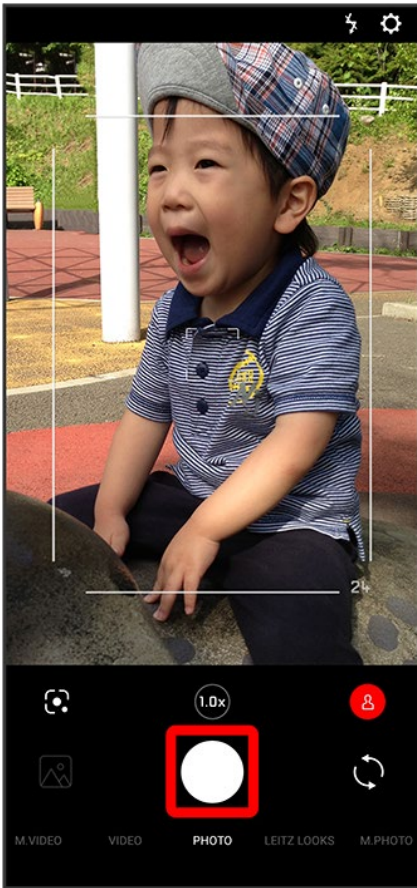


- Tap Display ➡ Drag brightness adjustment bar up/down to adjust brightness.
- Tap subject to focus at location Tapped. Touch & Hold subject for focus lock. To cancel, Tap area outside the focus mark.
- See "Photo Viewfinder (Back Camera) Layout" and "Photo Viewfinder (Front Camera) Layout" for details on operation in Photo Viewfinder.


## 4

○ / Volume Up/Down Key





Shutter clicks and photo is saved.

- To capture continuously, Touch & Hold  or Press Volume Up/Down Key for 1+ seconds. Continuously captured photos are saved to internal storage.

## ? Troubleshooting

**Q** Camera exits suddenly

**A** Continuing to use Camera while handset is warm causes warning to appear, and Camera exits.

**A** Camera exits automatically after a period of inactivity.

**A** Camera automatically exits when battery level is very low. Charge handset adequately before using Camera.

**Q** Images are dark/grainy

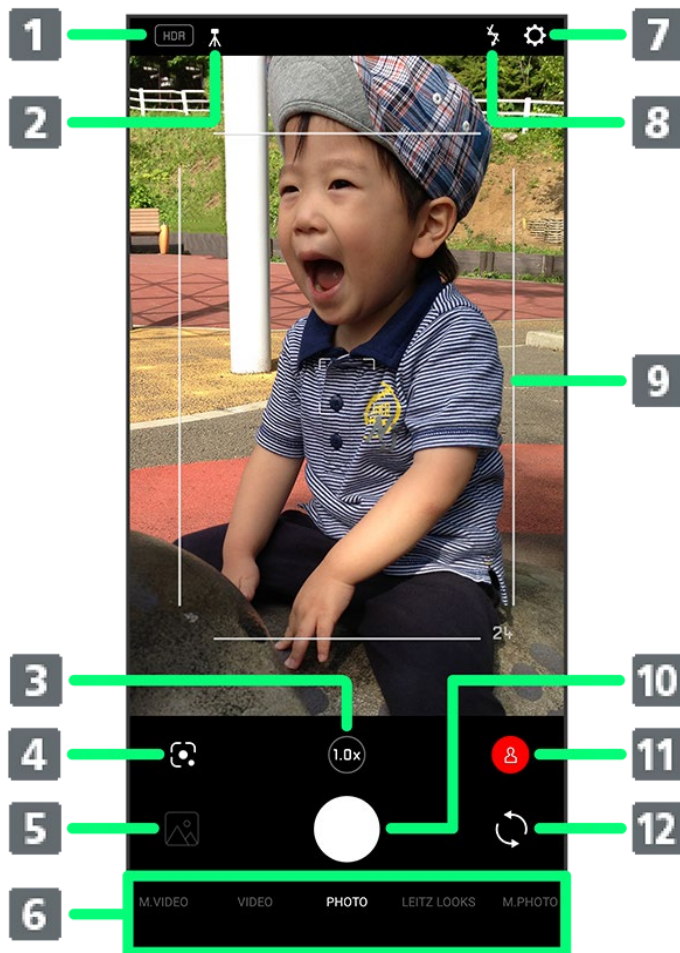
**A** Is there a strong light near the subject, or a strong light source in the screen? Avoid letting a strong light source (the sun, light, etc.) in the screen. Leaving handset in a warm place for a long time or where Camera is in direct sunlight for a long time may affect image quality.

**Q** Images captured with Mobile Light appear whitish



**A** A finger or cover near the lens can reflect light from Mobile Light and cause captured images to appear whitish.

## Photo Viewfinder (Back Camera) Layout



### ① HDR indicator<sup>1</sup>

Appears when HDR function activates for capture.

### ② Handset stable indicator

Appears when handset is stabilized.


### ③ Zoom magnification<sup>2</sup>

Tap to toggle zoom magnification (1.0x / 2.0x / 0.7x)<sup>3</sup>.

### ④ Google Lens™

Use Google Lens to copy text captured with Camera and to search for products.

### ⑤ Photos™/thumbnail

Open  (Photos), or view immediately captured photo/video.

### ⑥ Shooting mode

Drag left/right to change shooting modes (TIME LAPSE / M.VIDEO / VIDEO / PHOTO / LEITZ LOOKS / M.PHOTO / NIGHT<sup>4</sup> / PORTRAIT).

### ⑦ Shooting menu

Change shooting scene.

### ⑧ Mobile Light

Change Mobile Light setting.

### ⑨ Bright Frame<sup>5</sup>

Check actual capturing range.

### ⑩ Capture photo

### ⑪ Recognition icon<sup>6</sup>

Tap to toggle AI recognition on (AI<sup>6</sup>)/off (AI<sup>6</sup>).

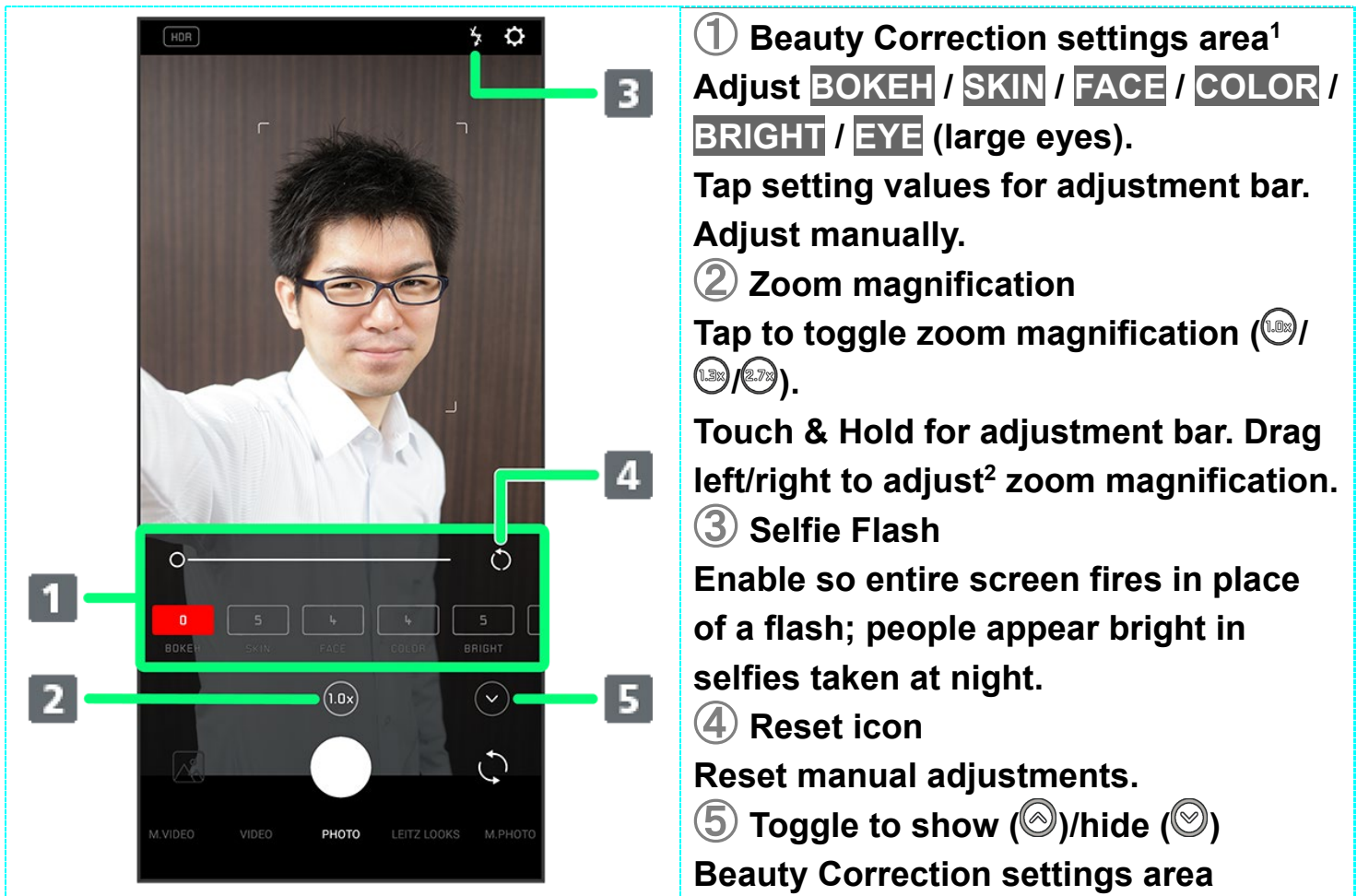


	<p>Subject recognized by AI (person (👤), dog (🐕), cat (🐈), cuisine (🍴), flowers (🌸), evening view (🌅), fireworks (💣), B&amp;W (🖼️), night mode (🌙)<sup>4</sup>).</p> <p>⑫ Front/Back Camera switch</p> <p>Switch between Front Camera and Back Camera.</p>
--	--

- 1 Appears when **Auto HDR** is enabled.
  - 2 Available angles of view are limited with some shooting modes.
  - 3 Alternatively, in Photo Viewfinder, Pinch/Spread.
  - 4 Capture pleasing night scenes. Avoid moving handset while capturing scene. Stabilizing handset (📵) also allows a more pleasing scene to be captured.
  - 5 Appears when **Bright Frame** is enabled.
  - 6 Shot is captured with recognized scene or optimal quality or shutter speed for subject. After capturing subject recognized as a whiteboard/blackboard, confirmation appears. Tap **YES** to correct shot to appear viewed from in front.
- Indicators shown in Viewfinder and available functions/settings vary depending on Camera type and shooting mode.



## Photo Viewfinder (Front Camera) Layout



1 Drag left/right to show hidden settings.

2 Alternatively, in Photo Viewfinder, Pinch/Spread.

- Indicators shown in Viewfinder and available functions/settings vary depending on Camera type and shooting mode.

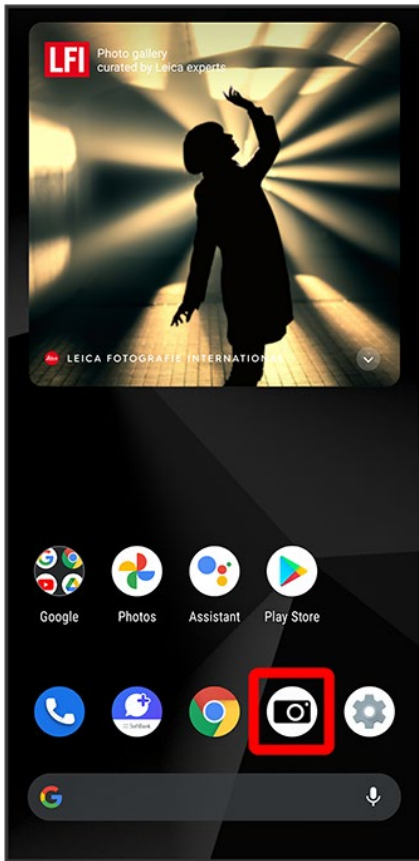
## Recording Videos

Operation in landscape orientation is described as an example.

1

In Home Screen,  (Camera)



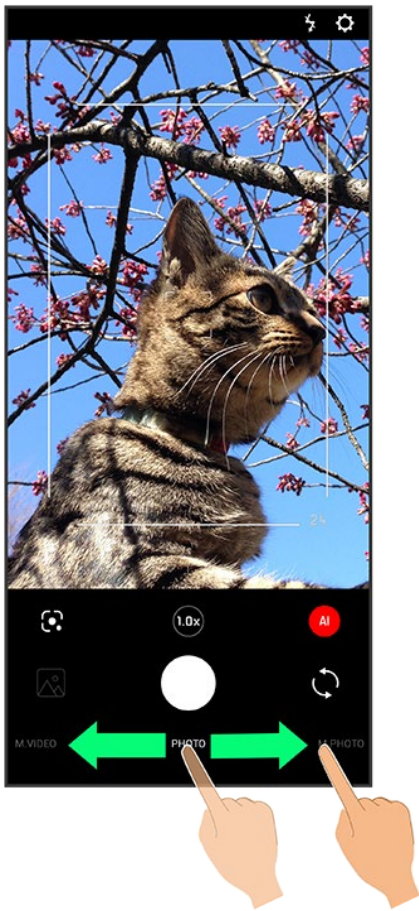


- If confirmation appears, follow onscreen prompts.

2

Drag shooting mode at bottom to left/right and select VIDEO





 Video Viewfinder appears.


- Drag shooting mode at bottom to left/right and select **TIME LAPSE** to capture video where passage of time is sped up for a compressed-time video.
- Drag shooting mode at bottom to left/right and select **M.VIDEO** to change the setting manually before capturing.
- See "撮影モードを切り替える" (Japanese) for details on settings, etc. for each shooting mode.

**3**

Aim Back Camera at subject







- Tap Display  Drag brightness adjustment bar left/right to adjust brightness.
- Tap subject to focus at location Tapped. Touch & Hold subject for focus lock. To cancel, Tap area outside the focus mark.
- See "Video Viewfinder Layout" for details on operation in Video Viewfinder.

4



 Video recording starts (window while capturing).


- During video capture, Tap  or Press Volume Up/Down Key to capture a photo. If **AI Live Shutter** is enabled during video shooting, the AI identifies smiling faces or the faces of dogs/cats, decides on the best image composition and automatically takes the shot.
- Enable **AI Live Story**, and AI may create a short movie separately from the captured video. See "AIライブストーリーが作成したショートムービーを再生する" (Japanese) for details.

5







 Tone sounds and video is saved.

## Troubleshooting

**Q** Camera exits suddenly

**A** Continuing to use Camera while handset is warm causes warning to appear, and Camera exits.

**A** Camera exits automatically after a period of inactivity.

**A** Camera automatically exits when battery level is very low. Charge handset adequately before using Camera.

**Q** Images are dark/grainy

**A** Is there a strong light near the subject, or a strong light source in the screen? Avoid letting a strong light source (the sun, light, etc.) in the screen. Leaving handset in a warm place for a long time or where Camera is in direct sunlight for a long time may affect image quality.


**Q** Images captured with Mobile Light appear whitish

**A** A finger or cover near the lens can reflect light from Mobile Light and cause captured images to appear whitish.

## Video Viewfinder Layout

Operation in landscape orientation is described as an example.





① Mobile Light  
Change Mobile Light setting.

② Settings  
Access various Camera settings.

③ Zoom magnification<sup>1</sup>  
Tap to toggle zoom magnification (1.0x / 2.0x / 0.7x).  
Touch & Hold for adjustment bar. Drag up/down to adjust<sup>2</sup> zoom magnification.


④ Capture video

⑤ Front/Back Camera switch  
Switch between Front Camera and Back Camera.

⑥ Shooting mode  
Drag up/down to change shooting modes (TIME LAPSE / M.VIDEO / VIDEO / PHOTO / LEITZ LOOKS / M.PHOTO / NIGHT / PORTRAIT).

⑦ Google Lens  
Use Google Lens to copy text captured with Camera and to search for products.

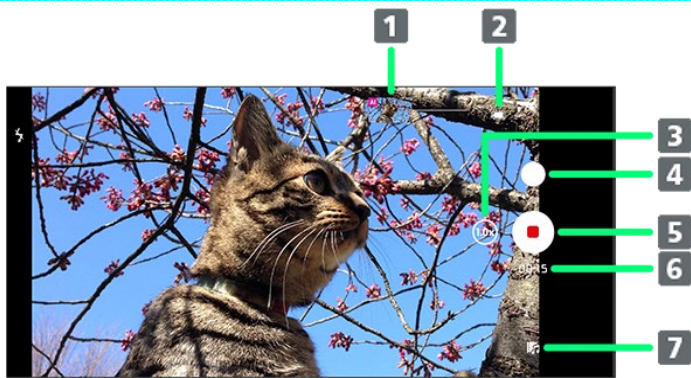
⑧ Photos/thumbnail<sup>3</sup>  
Open (Photos), or view immediately captured photo/video.

- 1 Available angles of view are limited with some shooting modes.
  - 2 Alternatively, in Video Viewfinder, Pinch/Spread.
  - 3 If AI creates a short movie with **AI Live Story** enabled  appears on thumbnail. Tap icon to open Short Movie Playback screen.
- Indicators shown in Viewfinder and available functions/settings vary depending on Camera type and shooting mode.

## Video Viewfinder Layout While Capturing

Operation in landscape orientation is described as an example.





### ① Captured photo

Displayed when a still image is captured during video shooting. When AI Live Shutter automatically shoots a photo<sup>1</sup>, **AI** appears at the top of the thumbnail.

### ② Battery level

### ③ Zoom magnification

Tap to toggle zoom magnification (1.0x/2.0x/0.7x).

Touch & Hold for adjustment bar. Drag up/down to adjust<sup>2</sup> zoom magnification.

### ④ Photo capture

### ⑤ Stop capturing

### ⑥ Shooting time

### ⑦ Confirm short movie creation<sup>3</sup>

Flashes when a short movie is finalized.

1 Operates when **AI Live Shutter** is enabled.




2 Alternatively, in window while capturing, Pinch/Spread.

3 Operates when **AI Live Story** is enabled.

- Indicators shown in Viewfinder and available functions/settings vary depending on Camera type and shooting mode.



# Listening to Music (YT Music)

Enjoy a broad range of music contents including official albums and music videos. Playing back music saved to internal storage/SD Card is described as an example. Sign in to a Google Account first, and in YT Music,   **Settings**  **Library & downloads** and enable **Show device files**.

---

↓ [Playing Music](#)

---

↓ [Music Playback Screen Layout](#)

---

↓ [Creating Playlists](#)

---



## Play Music

### Playing High-Resolution Audio

Handset supports high-resolution audio playback. To play high-resolution audio, a headset or speaker (commercially available) compatible to high-resolution is required.

Handset also supports Qualcomm® aptX™ HD audio, Qualcomm aptX Adaptive Audio, Qualcomm TrueWireless™ stereo plus and LDAC™.

### File Formats

Supported file formats:

- 3GPP, MPEG-4, ADTS raw AAC, MPEG-TS, FLAC, GSM, MIDI, RTTTL/RTX, iMelody, MP3, MKV, WAVE, OGG

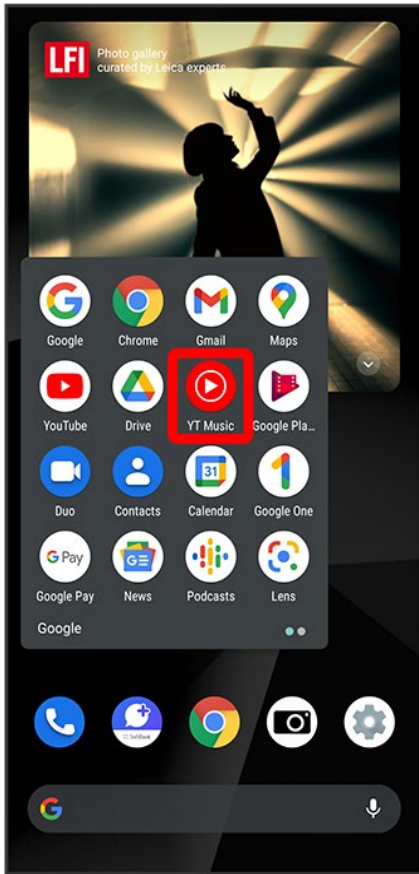
## Playing Music


1

---

In Home Screen,  (Google)   (YT Music)





 YT Music opens.

- If confirmation appears, follow onscreen prompts.

2

Library



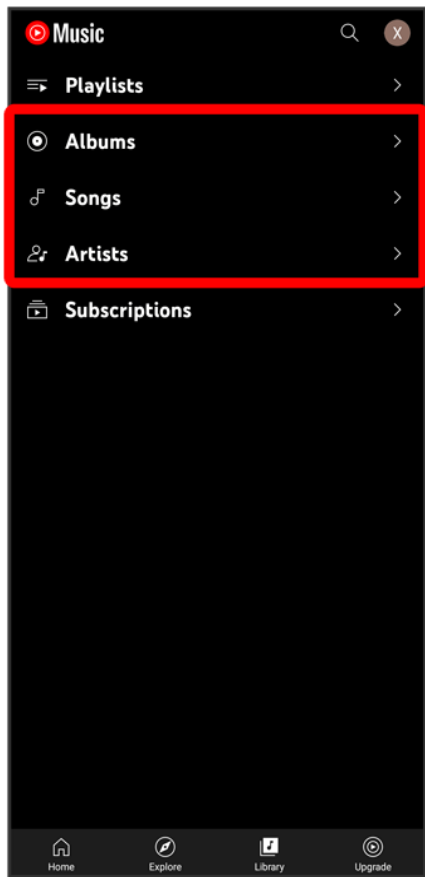


 Library opens.

3

Albums/Songs/Artists

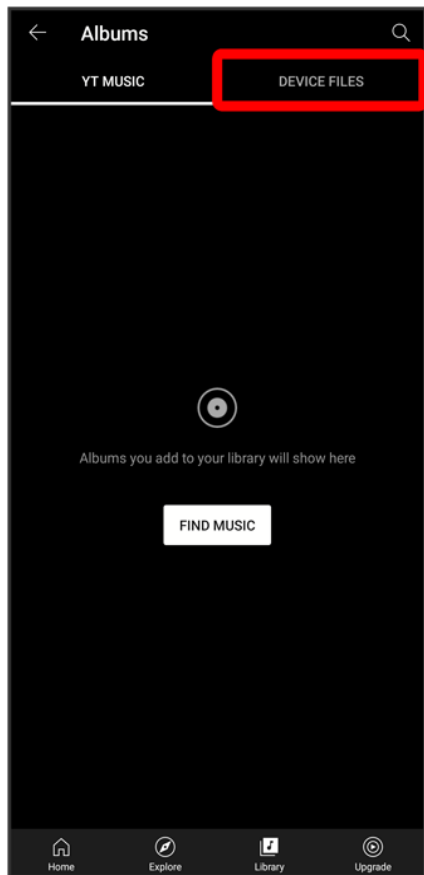




4

## DEVICE FILES

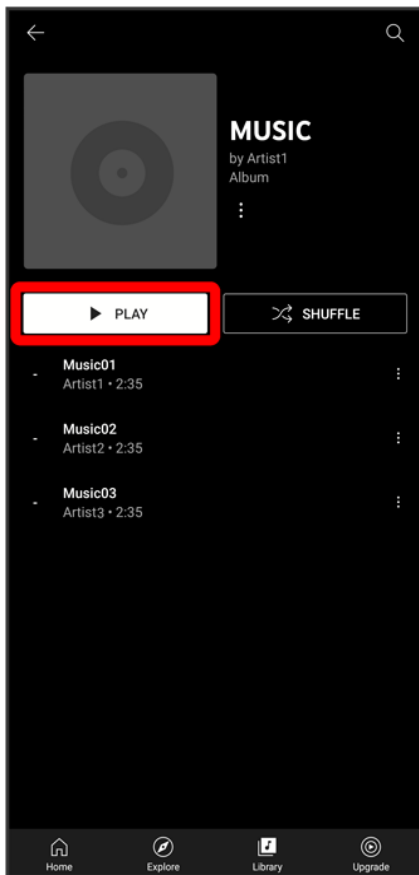




5

Tap item  **PLAY**/Tap song





🚩 Song plays.

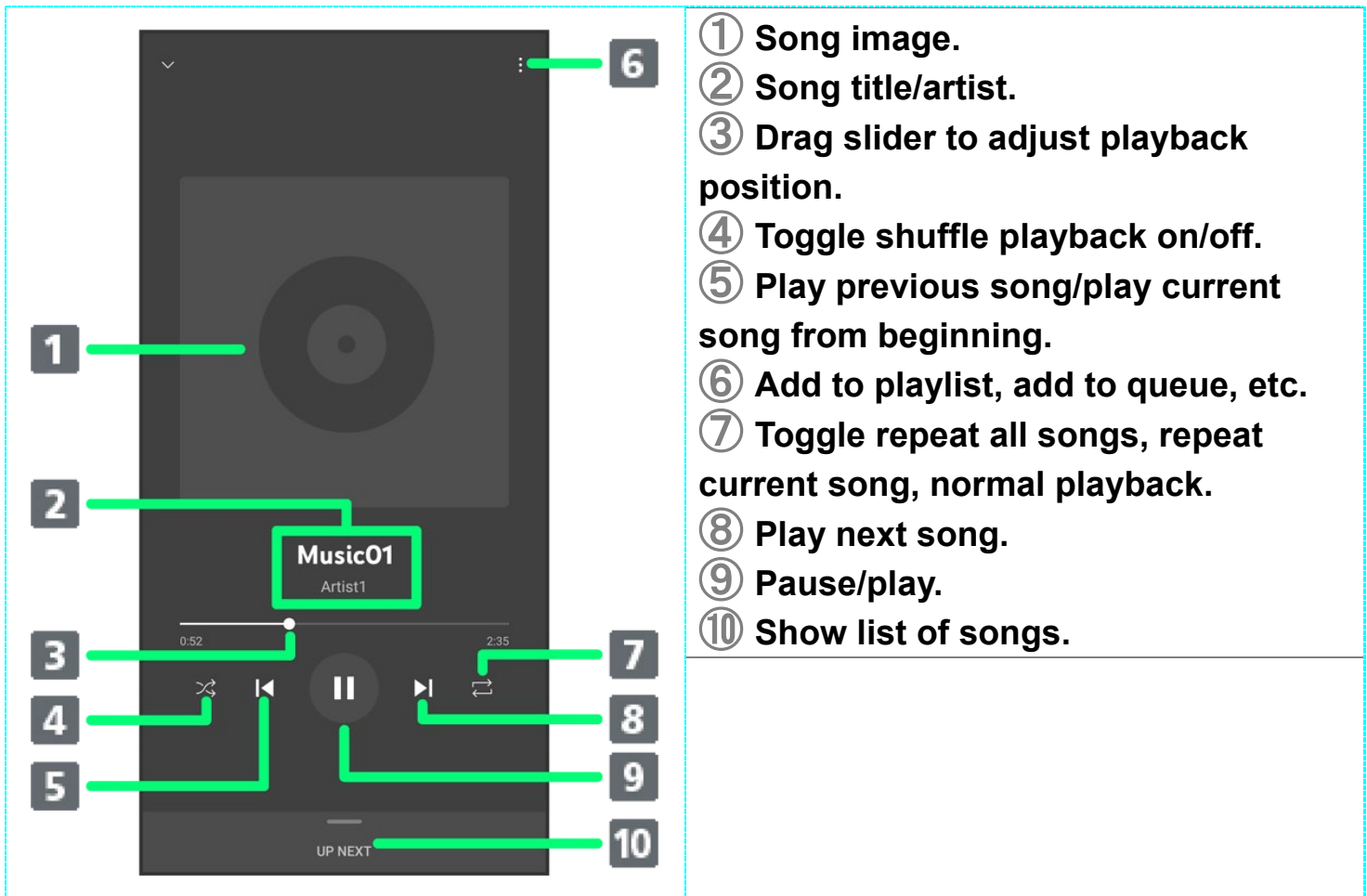
- For Songs (in 3), Tap song directly.

## Opening Music Playback Screen

While playing song, Tap playback bar at Display bottom



## Music Playback Screen Layout

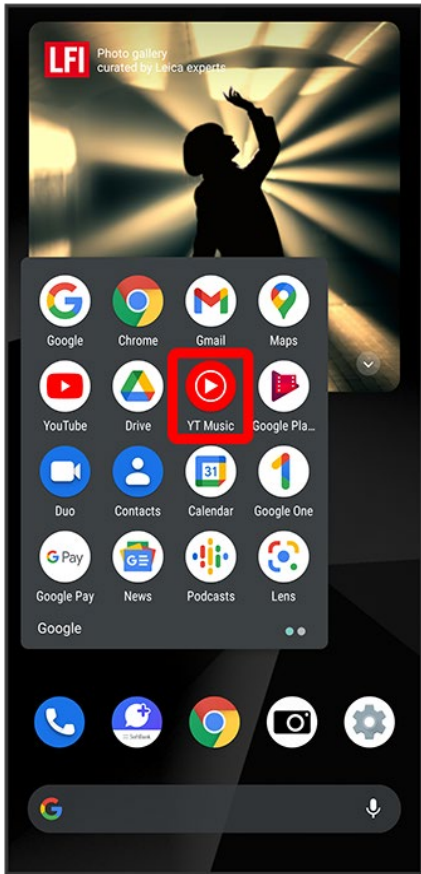



## Creating Playlists

1

In Home Screen,  (Google)  (YT Music)





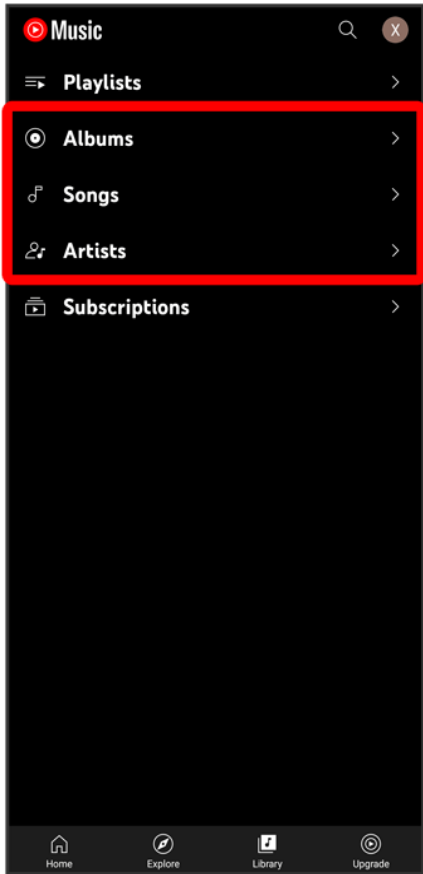
 YT Music opens.

- If confirmation appears, follow onscreen prompts.

2

Library  Albums/Songs/Artists



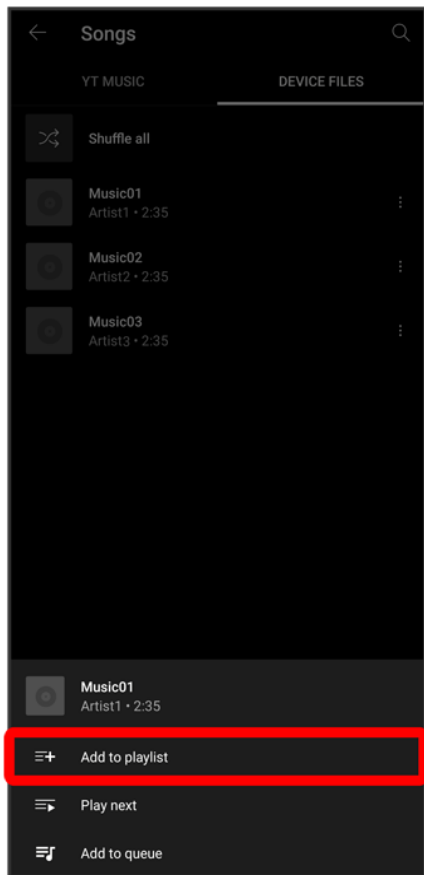


- If selecting **Albums/Artists**, Tap album name/artist name.

3

⋮ ➔ **Add to playlist**



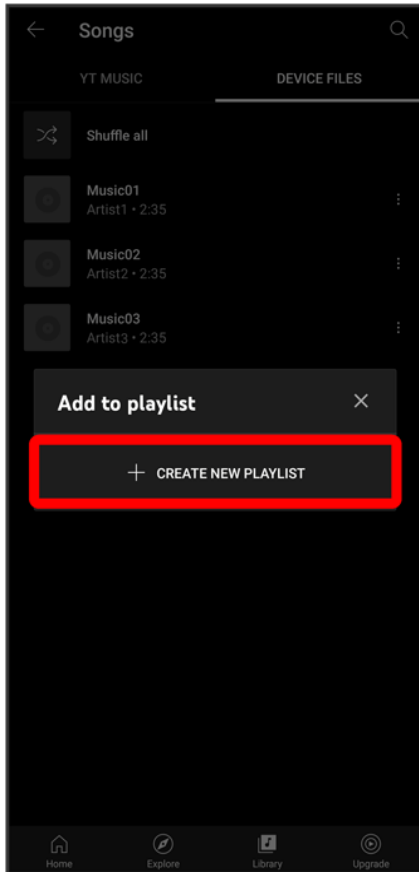


4

---

## CREATE NEW PLAYLIST

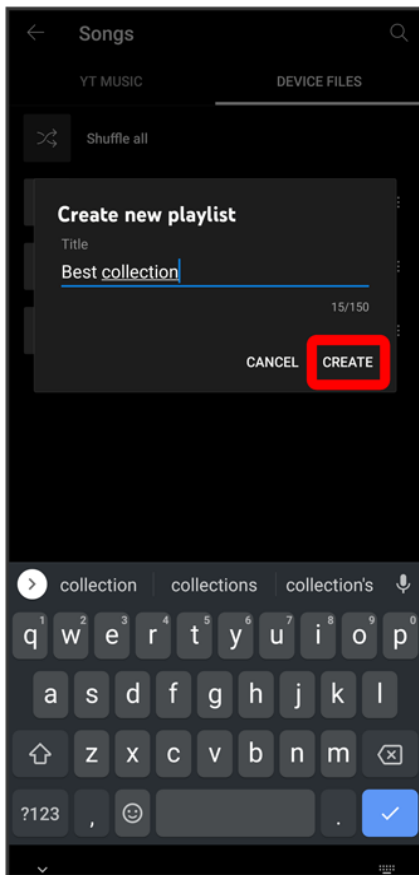





5



Tap Title field ➡ Enter title ➡ CREATE






🚩 Playlist is created.

**Adding Currently Playing Song to a Playlist**

In Music Playback screen,  Add to playlist  Tap playlist name

 Song is added to playlist.





# Viewing & Managing Photos/Videos (Photos)

View photos/videos saved in internal storage, on SD Card and in Google online storage. Viewing after logging in to a Google account is described.

 [Viewing Photos/Videos](#)

## Photos Cautions

If no photos or videos are saved on handset or SD Card, operations such as **Match with movie** and **Focus playback** in file view window may be unavailable. In file view window, Tap   **Download to** save files to handset.

## Viewing Photos/Videos

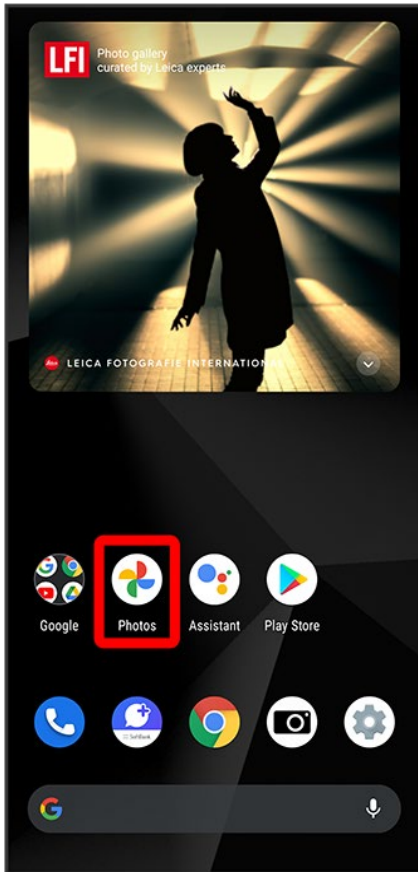
View captured/downloaded photos and videos.

Image	File format
Photo	JPEG, PNG, GIF, BMP, WebP, HEIF
Video	3GPP, MPEG-4, MPEG-TS, WebM, Matroska

1

In Home Screen,  (Photos)





🚩 Photos opens.

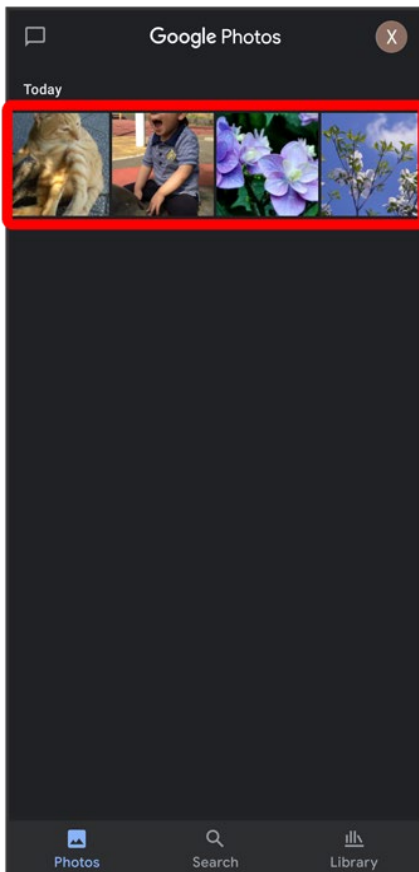
- If confirmation appears, follow onscreen prompts.


2

---

Tap photo/video








 Photo/video is played back (file view window).





### **Icons in Photos**

Icons below appear according to shooting mode, settings, etc. used.

-  appears with number of 2 or more photos taken while capturing video. Tap a photo in Photos and then Tap **Match with movie** in file view window to play video or photo.
-  appears for photos captured with Intelligent Framing. Tap photo for original image (captured photo) and a recommended image (intelligently framed photo) to appear at bottom of Display. Flick left/right in thumbnails to toggle original and recommended images.  may not appear immediately after activating handset. Wait a while and then re-open photo.

### **Photo/Video Viewing Operations**

#### **Selecting Multiple Files**

- In Photos, Touch & Hold photo/video ()  Tap another photo/video
- Tap photo/video to toggle selected () / unselected ().

#### **Changing Photos Window Layout**

In Photos, Pinch/Spread



- View changes between large view, day view, and month view.


### Creating Album or Shared Album


In Photos, **Library** → **Create album/New Album** → Follow onscreen prompts

### Creating Animation, Collage, or Movie


In Photos, **Library** → **Utilities** → **Animation/Collage/Movie** → Follow onscreen prompts


### Checking Photo or Video Details

In file view window, 

- If  is hidden, Tap Display first.
- Also displayed when Flicking Display up.


### Adding Photos/Videos to Album


In file view window,  → **Add to album** → Follow onscreen prompts

- If  is hidden, Tap Display first.


### Archiving Photos/Videos


In file view window,  → **Move to Archive**

 Shown image is moved to Archive.


- In Photos, **Library** → **Archive** to view archived photo/videos.
- If confirmation appears, follow onscreen prompts.
- If  is hidden, Tap Display first.


### Saving Photos/Videos on Handset

In file view window,  → **Download**

- If  is hidden, Tap Display first.


### Deleting Photos/Videos from Handset

In file view window,  → **Delete from device** → **Delete from device**


- Backup data in Google online storage is not deleted.
- If  is hidden, Tap Display first.


### Saving Images as Wallpapers or in Address Book Contact Photos

In file view window for photo,  → **Use as** → Follow onscreen prompts

- If  is hidden, Tap Display first.

### Using Slideshow


In file view window,  → **Slideshow**

- To stop slideshow, Tap image.
- If  is hidden, Tap Display first.

### Printing Photos



In file view window for photo,   **Print**  Follow onscreen prompts

- Also use to save images to internal storage or SD Card in PDF format.
- If  is hidden, Tap Display first.


### Setting Whether to Play Back Videos in Loop


In file view window for video,   **Loop video off/Loop video on**

- If  is hidden, Tap Display first.






### Saving Frame from Video as Photo (Atokara Capture)


In file view window for video,   **Edit in**  **Atokara Capture**  Drag  left/right to view frame to capture  


 Shown frame is saved to internal storage/SD Card.

- If  is hidden, Tap Display first.
- To move backward/forward frame by frame, Tap   or Drag frame left/right. Frame may not be shown depending on the video size.
- To save the current image as a photo and share it, Tap . Follow onscreen prompts.
- Install additional application capable of image editing to change shown content.

### Up-Converting Video Saved on Handset to Higher-Resolution Video


In file view window for video,   **Edit in**  **Up-convert**  **START NOW.**  Follow onscreen prompts

 After up-converting, a converted video is saved separately from the original video.

- If confirmation appears, follow onscreen prompts.
- If  is hidden, Tap Display first.
- Enable **Up-convert to HDR video.** and then start up-conversion to convert a standard video to an HDR video.
- Playing video or using Camera while up-converting may interrupt up-converting.
- It may not be possible to record the screen or capture video while up-converting.
- It may not be possible to up-convert video other than that captured with handset Camera.
- Converting a video longer than 1 minute results in a converted video shortened to 1 minute starting from the beginning of the video.
- Video with a resolution higher than 4K cannot be converted.
- The frame rate of a converted video is up to 30 fps. Up-converting a video of 60 fps results in a converted video of 30 fps.

### Selecting Video Playback Application

In file view window for video,   **View in**  Tap application

- If  is hidden, Tap Display first.

### Zooming In/Out on Photos



In file view window for photo, Tap Display twice or Pinch/Spread

### **Playing Back Video Focused In**

AI recognizes people and pets and zooms in automatically during playback (enlarged view).

In file view window for video, **Focus playback**



Video plays with main window and subwindow.

- Tap subwindow to toggle full view/enlarged view.
- Automatically zoomed subject and zoom magnification depend on playback timing.
- To change the zoomed subject, Tap the subject to zoom in on in full view twice. AI may be unable to detect the subject (subject size, distance, speed, etc.); in this instance, subject remains the same.
- Playback may zoom even when a subject is not present.
- The optimal zoom magnification is set according to capture size, distance to subject, etc. Zooming and zoom magnification are completely automatic.
- Unavailable with videos captured with Front Camera.



# Confirmation when First Activating Applications

---

Set the operation of applications when activating for the first time.

The type and content of a confirmation differ with the application. The following explains two types of confirmation: First things first and Battery optimization.

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↓ [Setting Required Permissions for Applications](#)

---

↓ [Setting Battery Optimization](#)

---

↓ [Setting Battery Optimization in Settings](#)

---

## Setting Required Permissions for Applications

Permit applications to use data on handset, Camera, etc.

Initial setting of **エネ／パ** is described as an example.

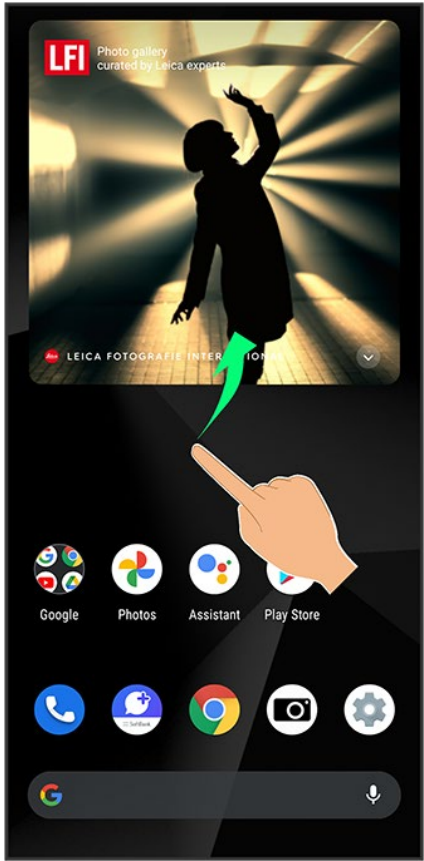
- Permission may also be required for applications running in the background.
- An application may not function correctly if permission to use it is not set.
- If the permission is not set twice in a row for the same privilege, confirmation will not appear

1


---

Flick Home Screen up

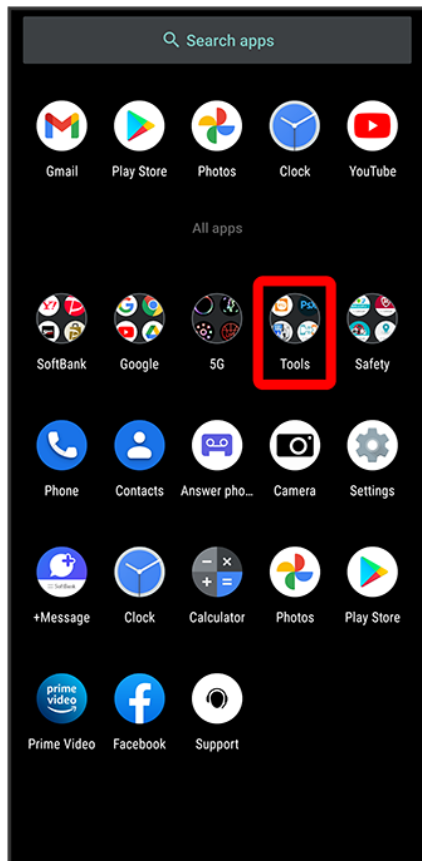




2

 (Tools)

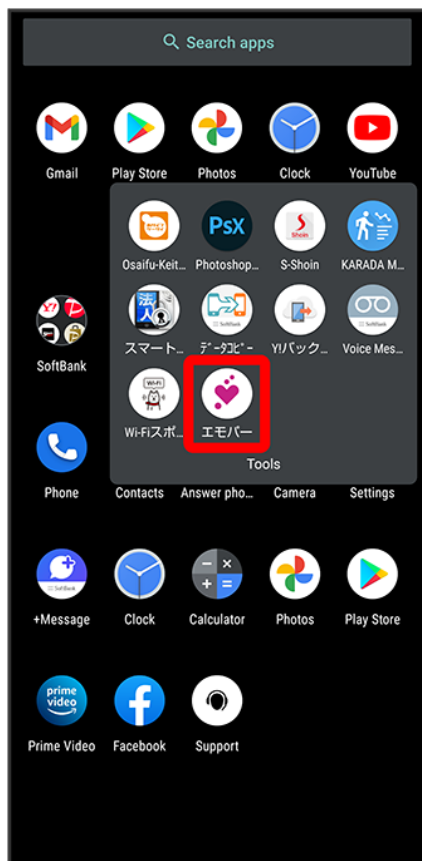




3

💖 (エモパー)





 An initial setting screen appears.

- Continue by following onscreen prompts.

4

When access permission screen for location information appears, **分かりました**

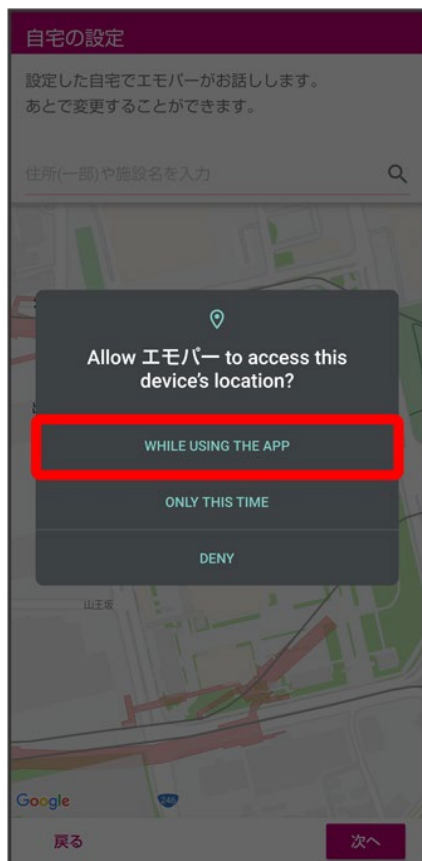




5

## WHILE USING THE APP





6

Set home and 次へ



自宅の設定

設定した自宅でエモバーがお話しします。  
あとで変更することができます。

住所(一部)や施設名を入力



戻る

次へ

7

同意する



## 利用規約

利用規約に同意すると

エモバーを使うことができます

### エモバー関連規約 ～目次～

1. [エモバー利用規約](#)  
2020年9月18日、端末にインストールされた検索アプリの利用について追記致しました（第9条5）
2. [エモバープライバシーポリシー](#)  
2020年9月18日、各種情報の共同利用先に株式会社AIoTクラウド、株式会社SHARP COCORO LIFEを追加いたしました（第8条(2)）
3. [別紙1「取得する利用情報及びセンサー情報について」](#)

### エモバー利用規約

エモバー利用規約(以下「本規約」といいます)は、シャープ株式会社（以下「当社」といいます）が当社製の端末向けに提供するアプリケーション「エモバー」（以下「本アプリ」といいます）を通じてお客様に対して提供するサービス（以下「本サービス」といいます）をお客様がご利用いただくための条件を定めるものです。本サービスのご利用にあたっては、本規約の内容についてご理解していただき、本規約にご同意の上でご利用いただくようお願いいたします。

#### 第1章 総則

##### 第1条（目的）

本規約は、お客様が本サービスを利用いただくための条件を定めるものです。お客様が当社製の端末にプ

[戻る](#)

[同意する](#)

8

完了





- Continue by following onscreen prompts.

9

When permission setting screen for エモバー appears, **NEXT**

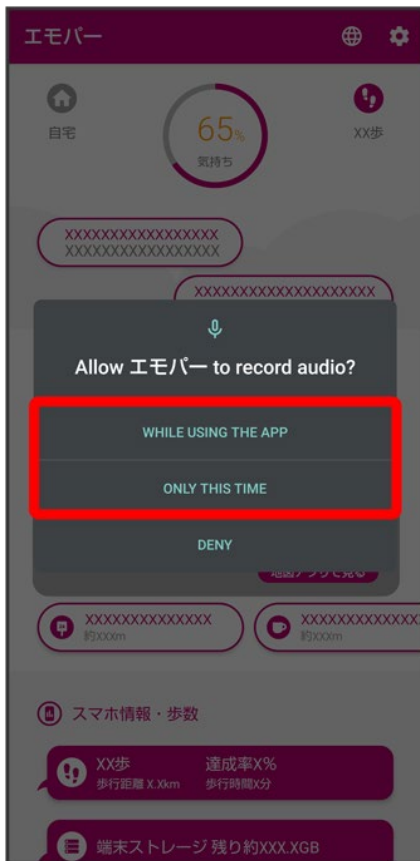




10

WHILE USING THE APP/ONLY THIS TIME



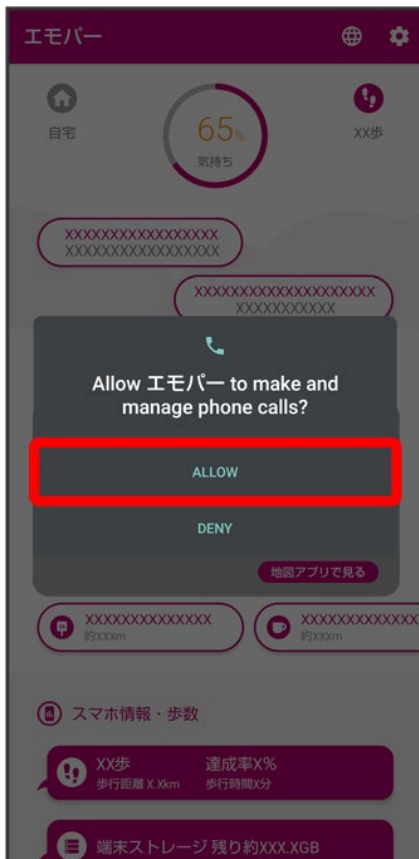


- Tap **ONLY THIS TIME** to temporarily permit usage of application.

11

ALLOW



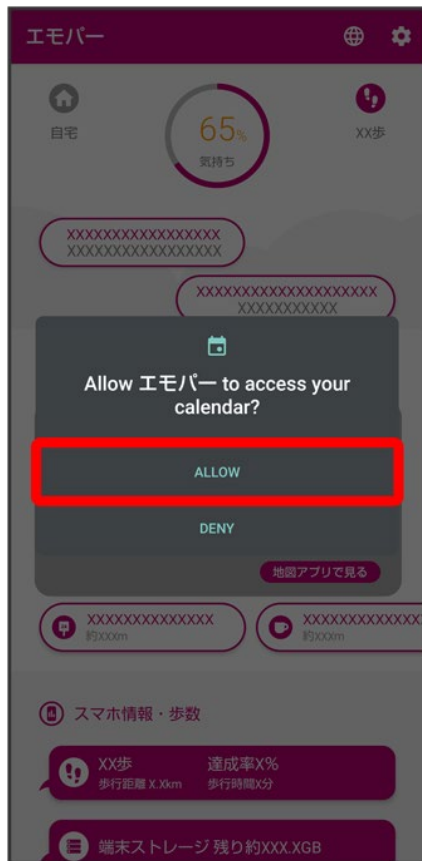


- Normally, select **ALLOW** to permit usage of the function.

12

**ALLOW**

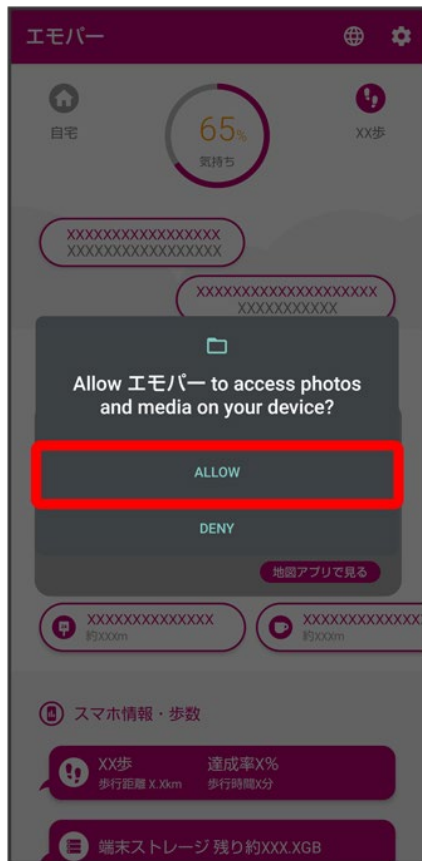




13

ALLOW





14

設定に進む

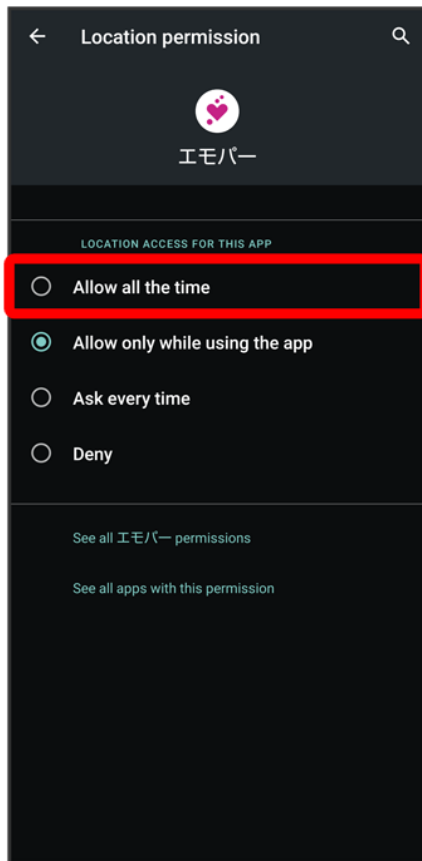




15

Allow all the time

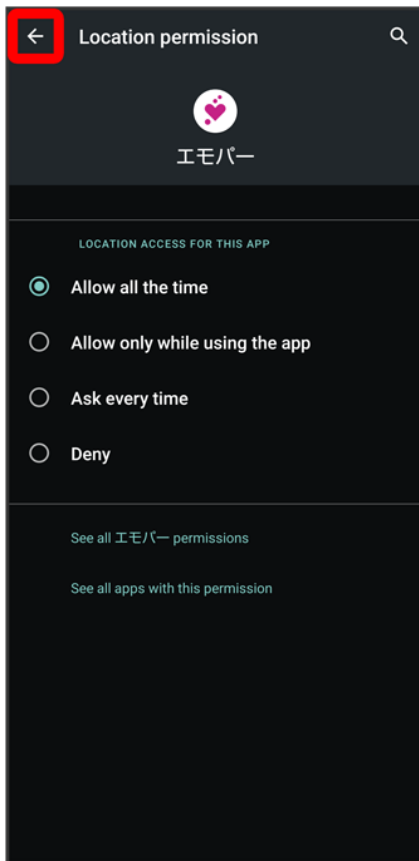




16














🚩 エモパー Setting is complete.







## Other Ways to Set Required Permissions for Applications



### Setting Functions to Use by Application

In Home Screen,  (Settings)  Apps & notifications  SEE ALL XX APPS  Tap application name  Permissions  Tap function  Allow/Deny








- Allow/Allow only while using the app/Ask every time/Allow management of all files/Allow access to media only appear for some functions.
- If confirmation appears, follow onscreen prompts.




### Setting Whether to Prevent System from Resetting Application Permission

In Home Screen,  (Settings)  Apps & notifications  SEE ALL XX APPS  Tap application name  Permissions  Remove permissions if app isn't used

- Tap Remove permissions if app isn't used to toggle on ()/off ().
- May not be usable with some applications.

### Setting Applications with Permitted Usage by Function

In Home Screen,  (Settings)  Apps & notifications  Advanced  Permission manager  Tap function  Tap application name  Allow/Deny

- Alternatively, in Home Screen,  (Settings)  Privacy  Permission manager.
- Allow all the time/Allow only while using the app/Ask every time/Allow management of



all files/Allow access to media only appear for some functions.

- If confirmation appears, follow onscreen prompts.

## Setting Battery Optimization

Enable Battery optimization to prevent applications from running while Display is turned off (except while charging).

- Confirmation for optimizing Battery appears when launching or making settings for some applications.

Normally, ignore Battery optimization. Optimizing the Battery may cause some applications to exit.

- If Battery optimization is enabled, applications are disabled while Display is turned off (except while charging). Applications/functions may become unusable or other unintentional operation may occur.

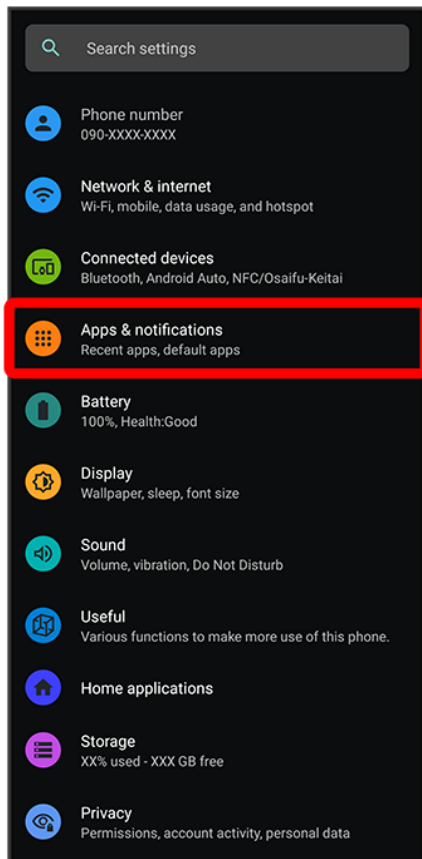
## Setting Battery Optimization in Settings

1

---

In Home Screen,  (Settings)  Apps & notifications

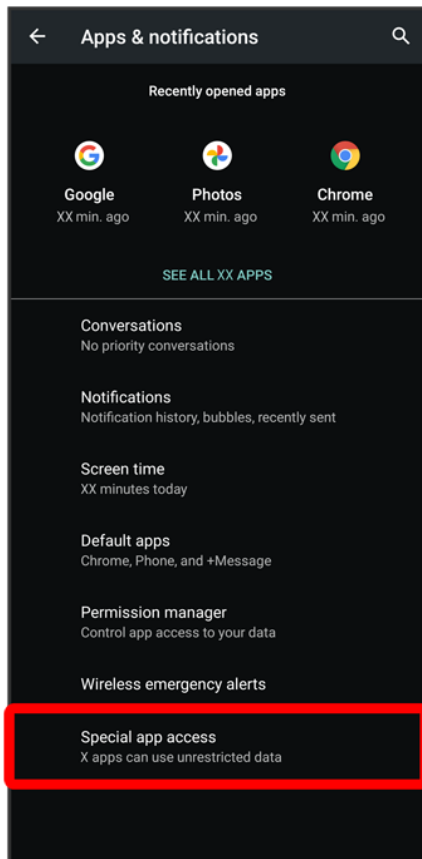




2

Advanced  Special app access

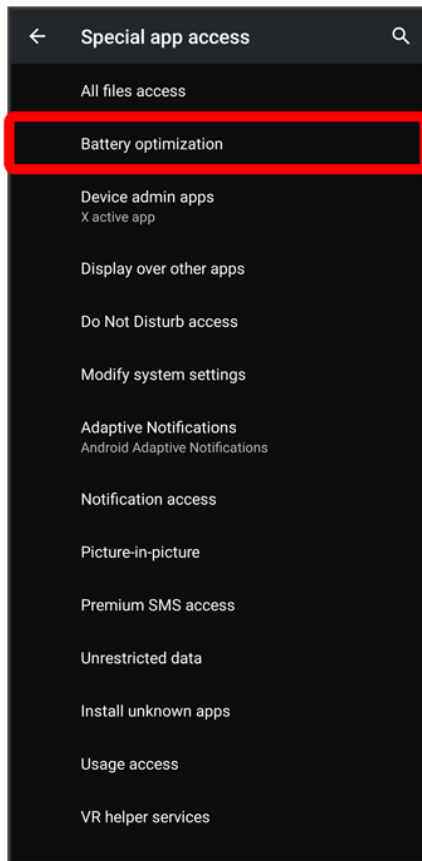




3

## Battery optimization

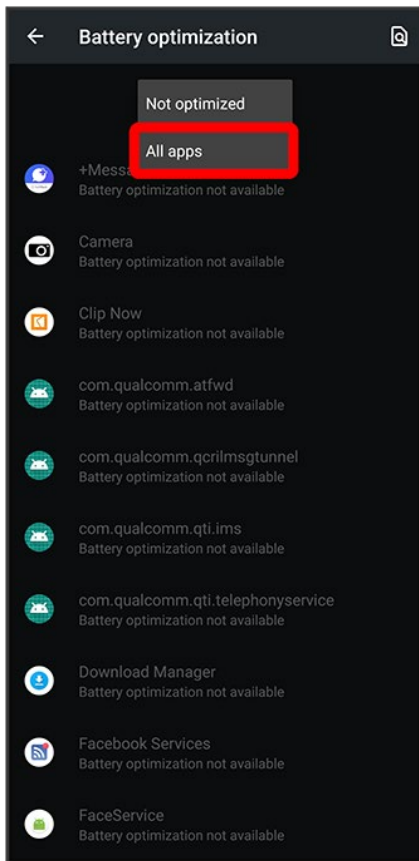




4

NOT OPTIMIZED ➡ All apps

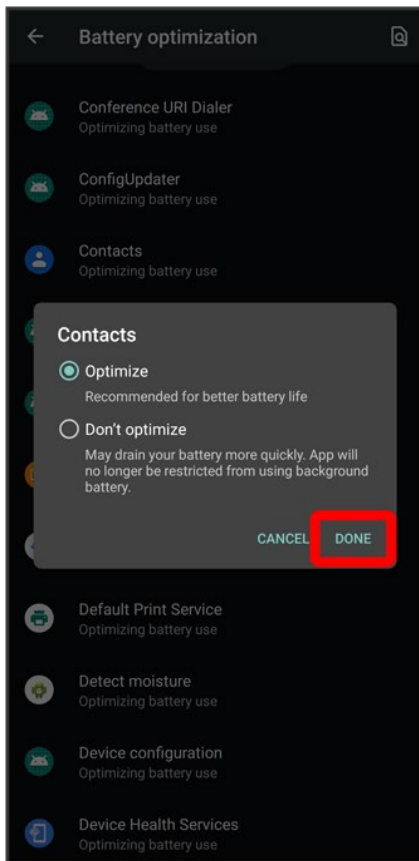




5

Tap application name → Optimize/Don't optimize → DONE





🚩 Setting is complete.



# Applications

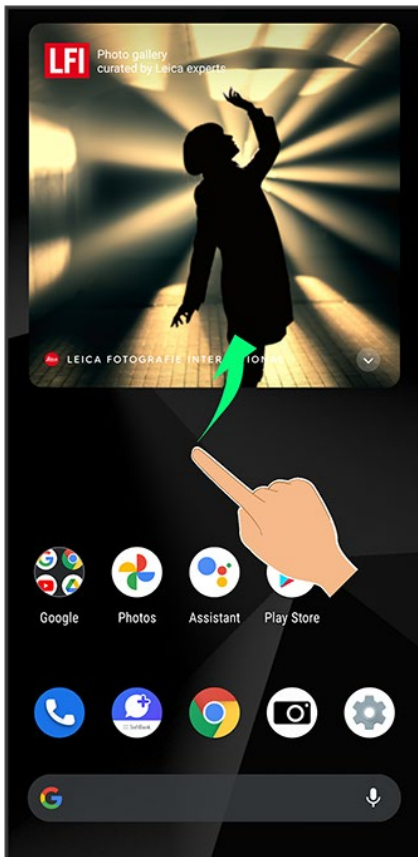
---

- ↓ [Activating Applications](#)
- ↓ [Exiting Applications](#)
- ↓ [Opening Recent Apps Window](#)
- ↓ [Recent Apps Window Layout](#)

## Activating Applications

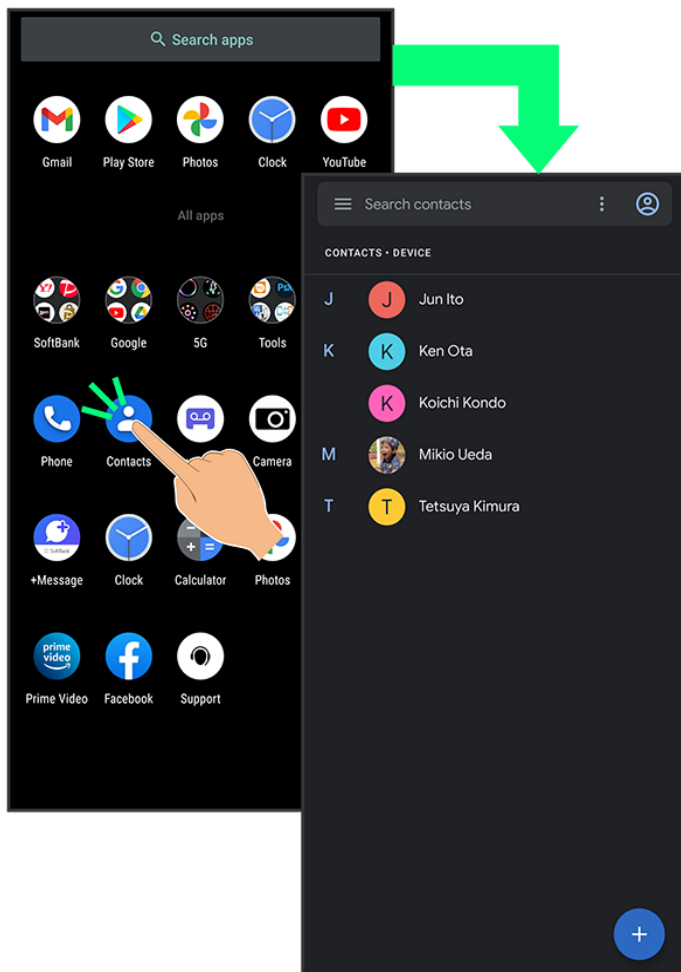
1

Flick Home Screen up





## Tap application



 Application activates.

- If confirmation appears, follow onscreen prompts.
- Some applications can be activated from Home Screen.



### Using Applications

#### Setting Required Privileges for Using Applications

Some applications first require permission to access handset data or privileges to access important functions such as photographing.

Confirmation appears for applications requiring permission when first activated. Follow onscreen prompts.

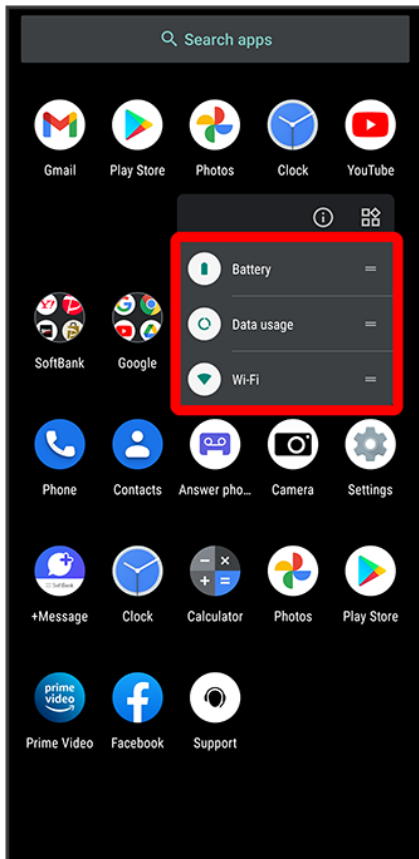
- See "Confirmation when First Activating Applications" for details.

#### Function Shortcuts

With some applications, Touch & Hold for shortcuts to functions. Tap function shortcut to



launch function directly.

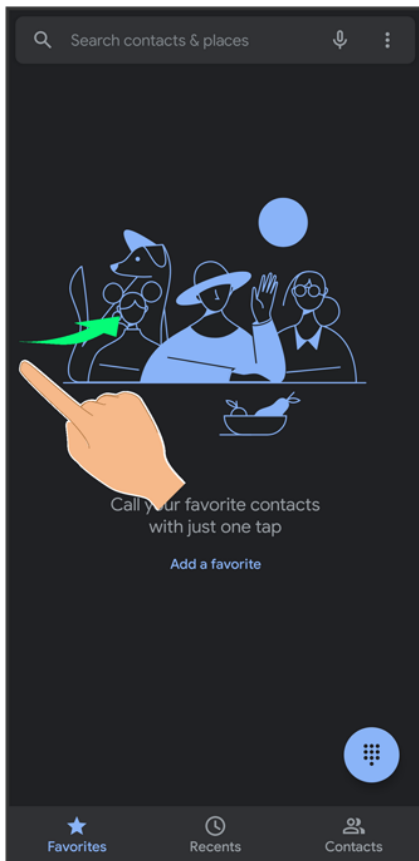


## Exiting Applications

1

Flick the edge of screen to the left or right again and again while applications are running





🚩 Home Screen returns and application exits.

- Home Screen also returns when Flicking bottom of Display up, but application does not exit. Exit it from recent apps window. See "Opening Recent Apps Window" for details.



### Where to Obtain Applications & Updates

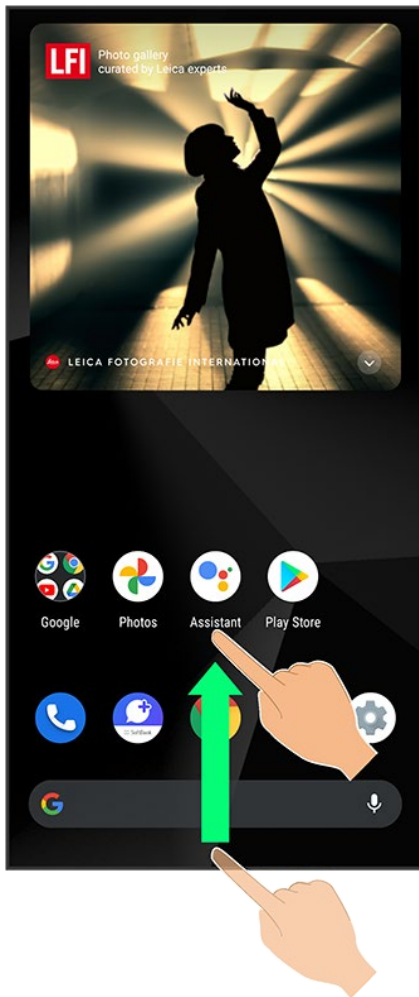
Use Google Play™ to obtain new applications or update installed ones. See "Adding/Deleting Applications" for details.

## Opening Recent Apps Window


1

Drag bottom of Display up






 Recent apps window opens.

- In app list, recent apps window does not open by Dragging bottom of Display up.
- When **3-button navigation** is enabled, Tap  on Navigation Bar for recent apps window. See "Convenient Operation Settings" and "System Settings" for details.

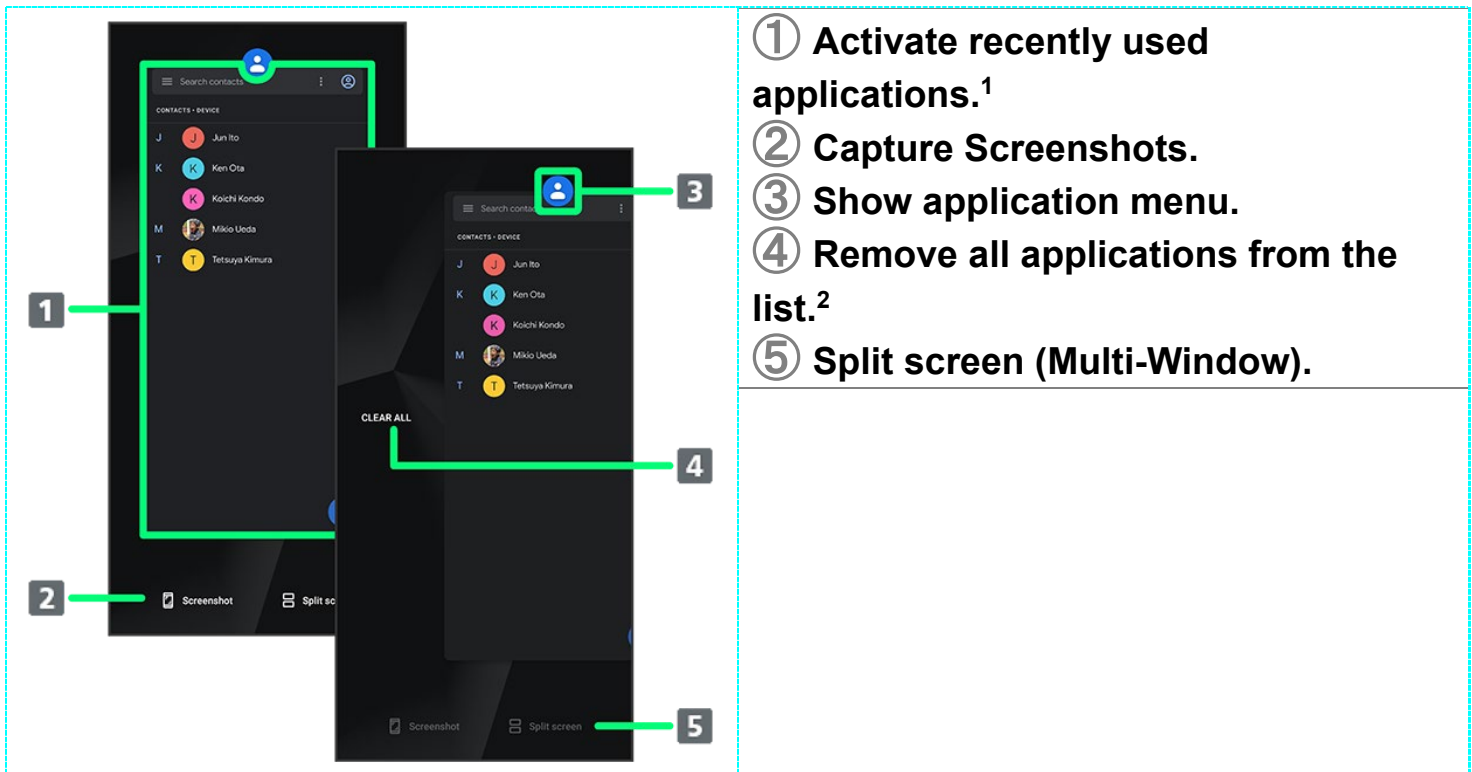
### **Opening Most Recently Activated Application**

Flick bottom of Display to the right

- When **3-button navigation** is enabled, Tap  in recent apps window.



# Recent Apps Window Layout



- 1 Flick up to remove from the application list.
- 2 Appears when Flicking application list to the right.

## + Application Menu Operations

### Checking Application Information

In recent apps window, Tap icon of application in list → App info

- May not be usable with some applications.

### Capturing Screenshot of Application in Recent Apps Window

In recent apps window, Screenshot

- May not be usable with some applications.

### Splitting Screen (Multi-Window)

In recent apps window, Split screen → Follow onscreen prompts

- In recent apps window, Tap icon of application in list → Split screen to split window.
- See "Multi-Window" for details.
- May not be usable with some applications.

### Pinning Screen

In recent apps window, Tap icon of application in list → Pin → GOT IT

- Appears when "App pinning" is enabled. See "Security Settings" for details.



# Adding/Deleting Applications

---

Download a variety of applications (free/paid) from Google Play. Change the setting of downloaded applications to enable manual or automatic updates. Sign in to a Google Account beforehand.

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↓ [Installing Free Applications](#)

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↓ [Purchasing Applications](#)

---

↓ [Updating Installed Applications](#)


---

↓ [Uninstalling Applications](#)

---

## Getting Help with Google Play

In Google Play,   Help & feedback

 Google Play Help window opens.

## Google Play Cautions

### Application Installation Disclaimer

Many different kinds of applications can be installed on handset from Google Play (provided by Google LLC). SoftBank Corp. is not responsible in any way for user-installed applications (quality, reliability, legality, fitness for a purpose, credibility, accuracy, etc.) or resulting malfunctions (viruses, etc.).

### Google Play Operations & User Interface

Operations and user interface are subject to change due to automatic application updates or other reasons.

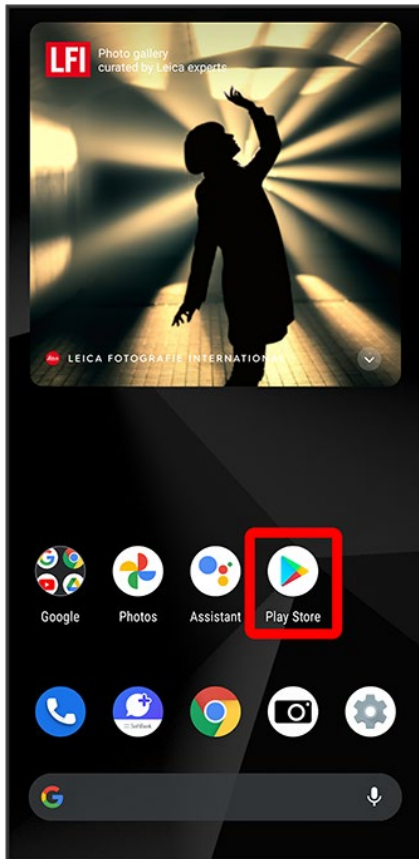
## Installing Free Applications

1

---

In Home Screen,  (Play Store)





 Google Play opens.

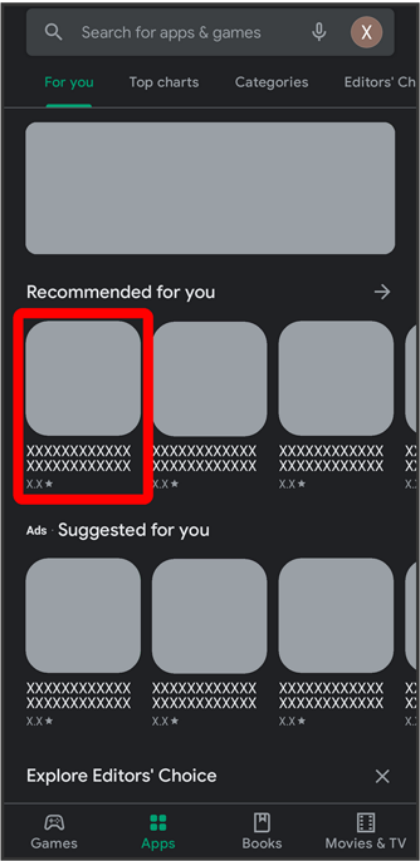
- If confirmation appears, follow onscreen prompts.

2

---

Tap free application

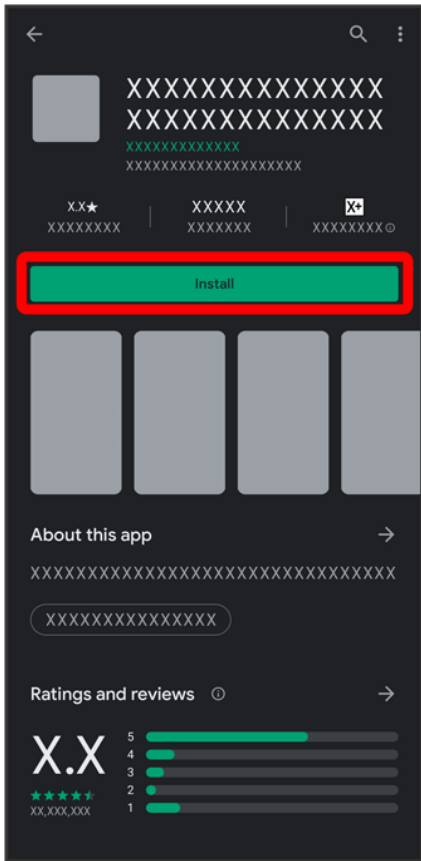




3

Install






 Application downloads and installs.

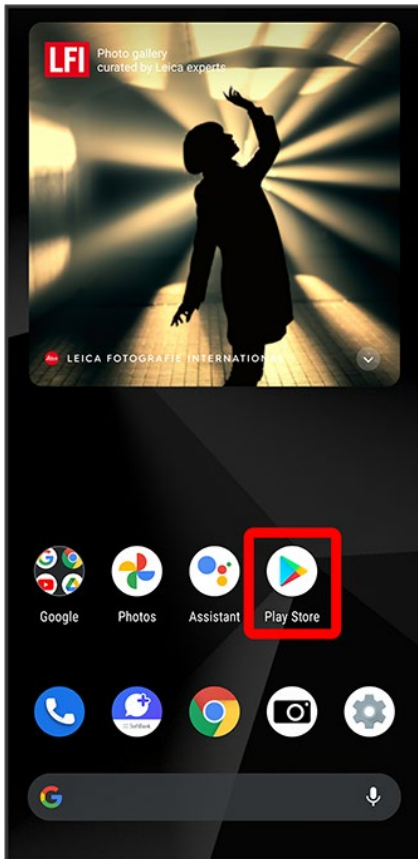
- If confirmation appears, follow onscreen prompts.

## Purchasing Applications

1

In Home Screen,  (Play Store)





 Google Play opens.

- If confirmation appears, follow onscreen prompts.

2

---

Tap paid application

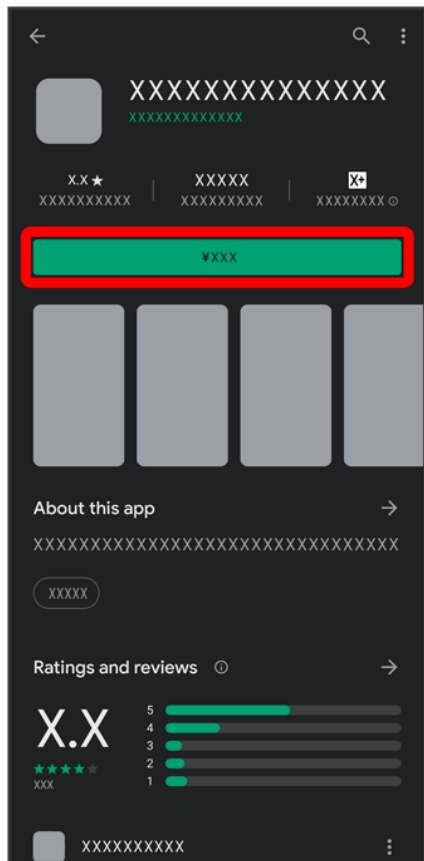




3

Tap price



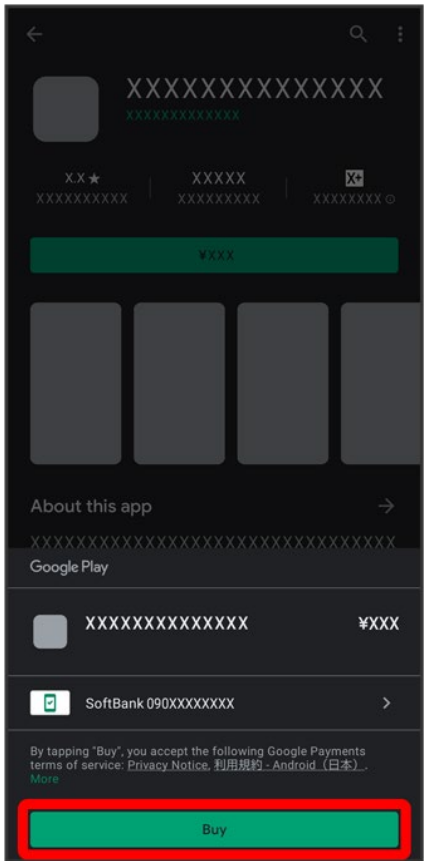


- If payment confirmation appears, follow onscreen prompts.

4

Buy

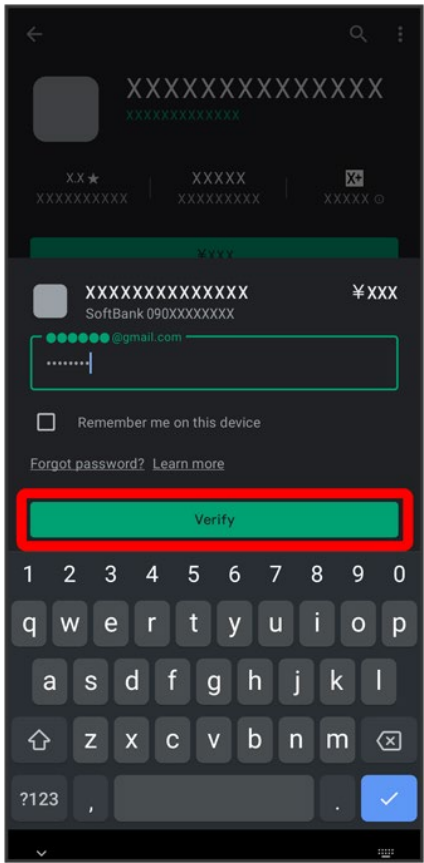




5

Enter password for Google account  **Verify**



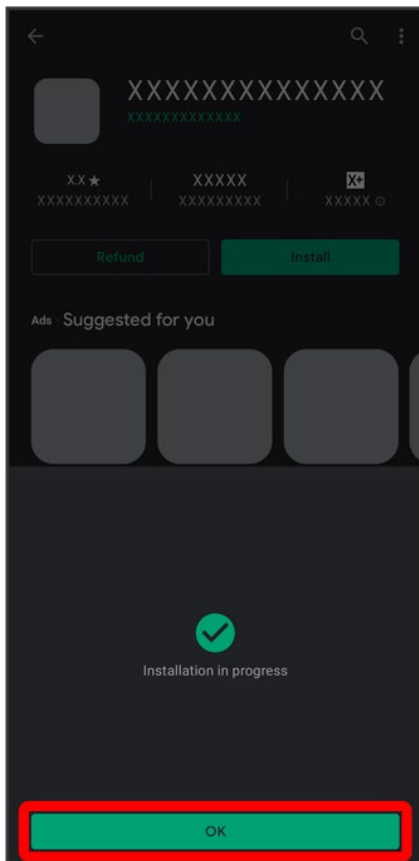


- If confirmation appears, follow onscreen prompts.

6

OK





Application downloads and installs.

- If confirmation appears, follow onscreen prompts.



## Purchased Applications

### Payment

Pay once. Re-downloads of uninstalled applications are free of charge.






### Use on Other Android™ Devices

Install same application on other Android devices under same Google Account at no added cost.



## Refund Requests

Request refunds within designated period. Returned applications are deleted from handset; no payment is required. One refund request per application.

In Google Play,   My apps & games  Tap application  Refund  Request refund




## Application Purchase Disclaimer

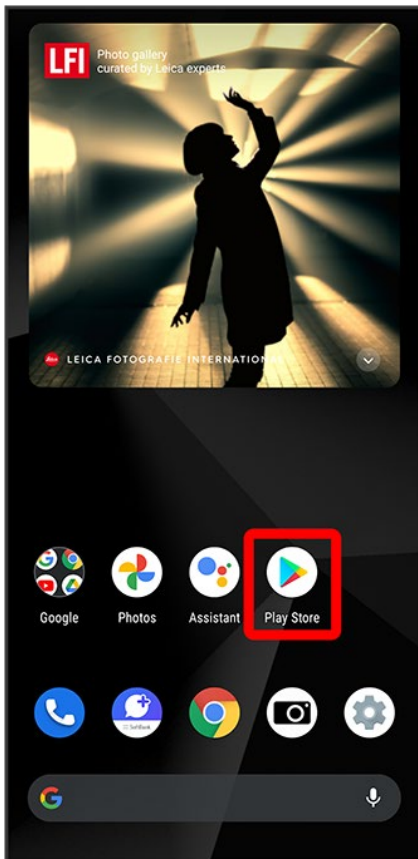
Purchase applications at your own risk. SoftBank Corp. is not responsible for any disadvantage resulting for user or third parties.



# Updating Installed Applications

1

In Home Screen,  (Play Store)



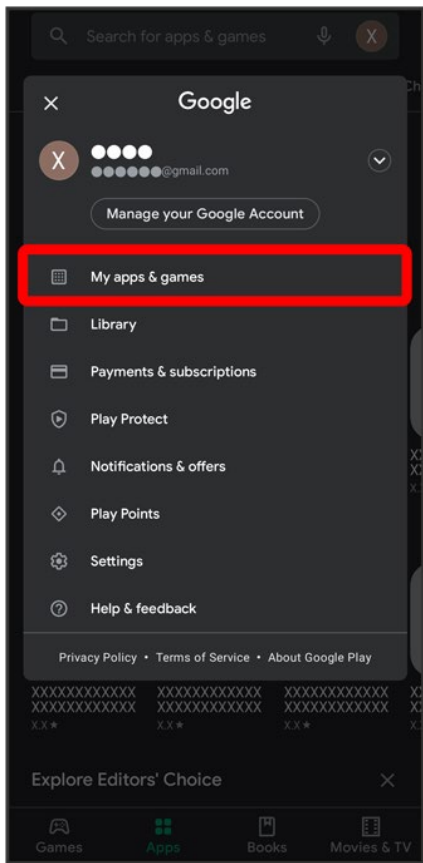
 Google Play opens.

- If confirmation appears, follow onscreen prompts.

2

  My apps & games

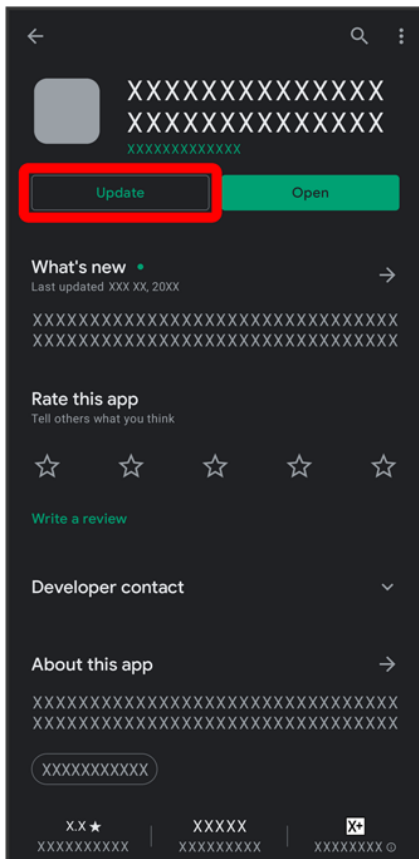




3

Tap application ➡ Update





Application downloads and installs.

- If confirmation appears, follow onscreen prompts.

## + Making Application Update Settings

### Setting Automatic Update Options

In Google Play, **X** **→** Settings **→** General **→** Auto-update apps **→** Select update item **→** DONE

### Setting Automatic Update by Application

In Google Play, **X** **→** My apps & games **→** Tap application **→** **⋮** **→** Enable auto update


- If confirmation appears, follow onscreen prompts.
- Tap **Enable auto update** to toggle on (**✓**)/off (**■**).
- Automatic update is not available for some applications.

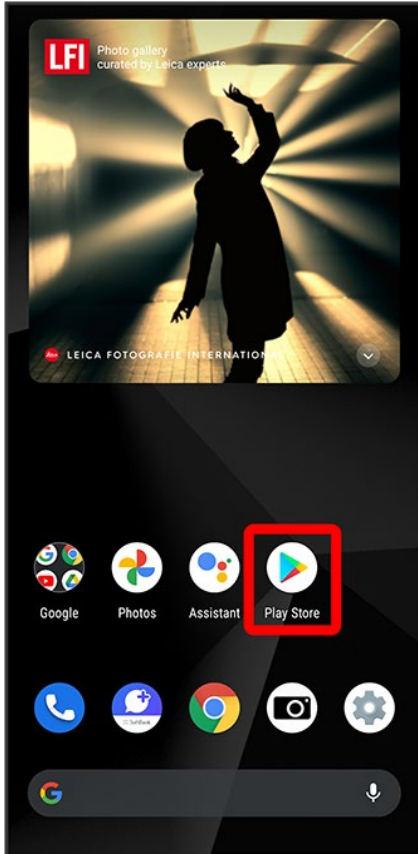
## Uninstalling Applications

Applications installed via Google Play can be deleted (uninstalled).



1

In Home Screen,  (Play Store)



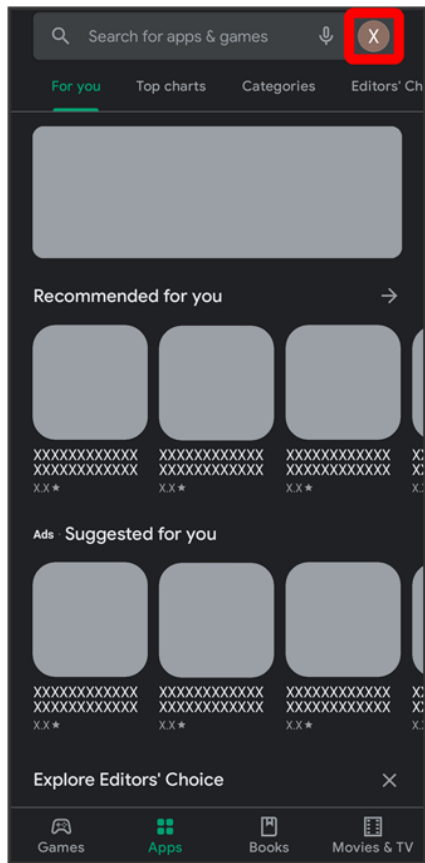
 Google Play opens.

- If confirmation appears, follow onscreen prompts.

2



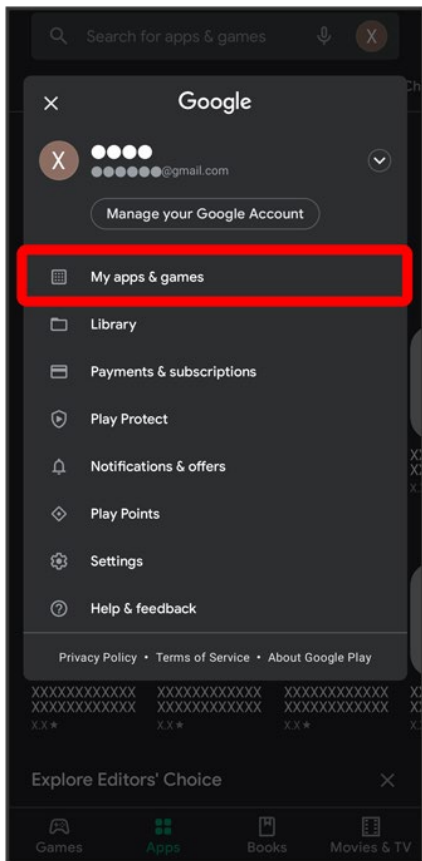




3

My apps & games

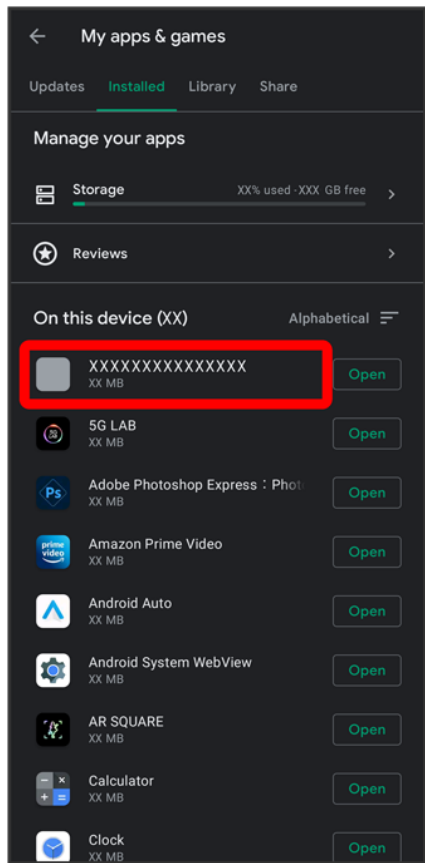




4

Tap application

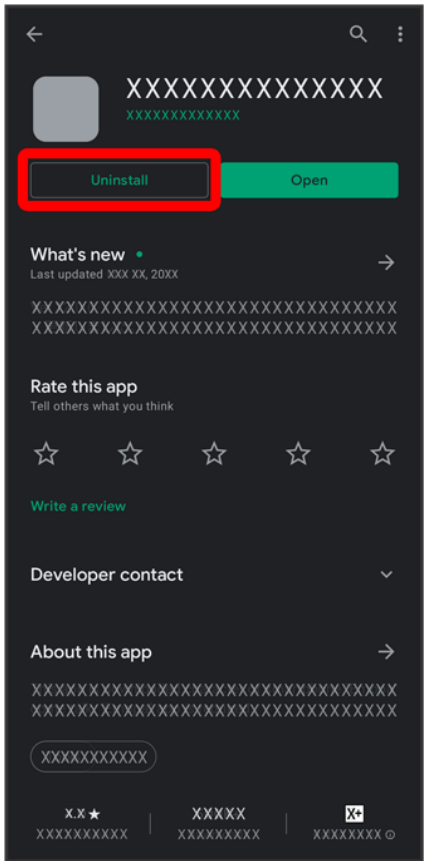




5

Uninstall

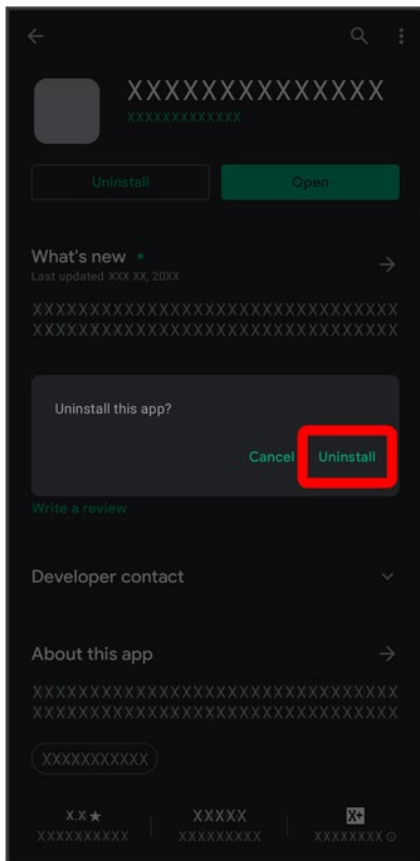




6

Uninstall





🚩 Application is deleted.



# File Storage

↓ [File Save Location](#)

## File Save Location

Save data to internal storage or SD Card.  
Default save location is internal storage; save location when creating data may be changed depending on application.  
Main file types and save locations are the following.

File Type	Description
Contacts, Bookmark, Calendar, Mail	Created files are saved to internal storage. Save locations cannot be changed.
Photos, videos	Created files are saved to internal storage.

- See "Internal Storage and SD Card" for more about SD Cards including insertion/removal procedure.



# Backup & Restore

 [Backup/Restore Options](#)

## Backup/Restore Options

Backup and restore options are the following.

Option	Description
Y!バックアップ (Y! Backup)	Save handset data to cloud server, or load server data to handset.
Corresponding applications	Depending on application, backup/restore settings can be changed.
Data transfer	Use Data Transfer to import data saved on SD Card with handset or another device. See "Importing Contacts via Bluetooth® (Data Transfer)" and "Importing Data from SD Card (Data Transfer)" for details.
Transfer to other devices (e.g., PCs)	Connect handset to a PC or other device using a commercially available USB Type-C cable to exchange data.



# Importing Data from Other Mobiles

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Import data from other mobiles, etc. using Bluetooth® or SD Card.

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↓ [Receiving Data via Bluetooth® \(e.g., Address Book\)](#)

---

↓ [Importing Contacts via Bluetooth® \(Data Transfer\)](#)

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↓ [Importing Data from SD Card \(Data Transfer\)](#)

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## Receiving Data via Bluetooth® (e.g., Address Book)

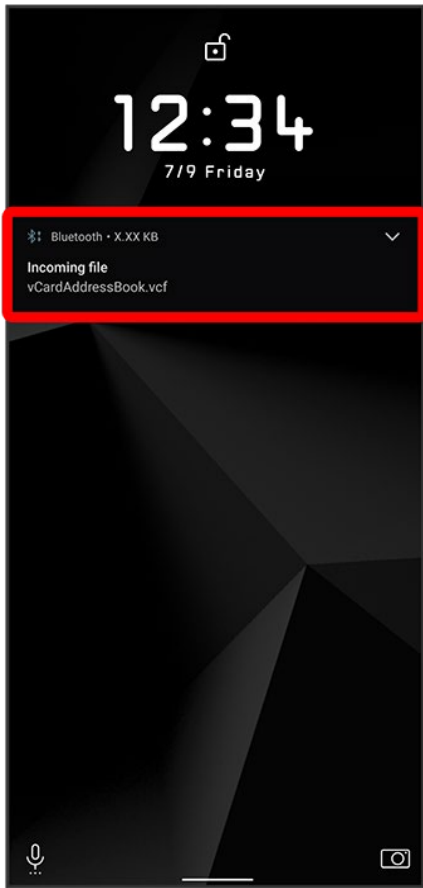
When data reception request arrives, notification appears in lock screen. To receive data:  
Enable Bluetooth® beforehand.


1

---

Tap Bluetooth® share notification twice



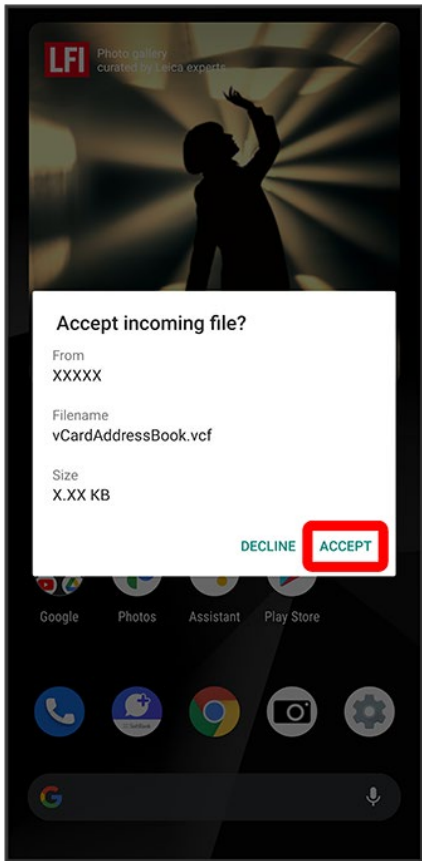


- In Home Screen,  appears on Status Bar. Flick Status Bar down, then Tap Bluetooth® share notification.

2

ACCEPT

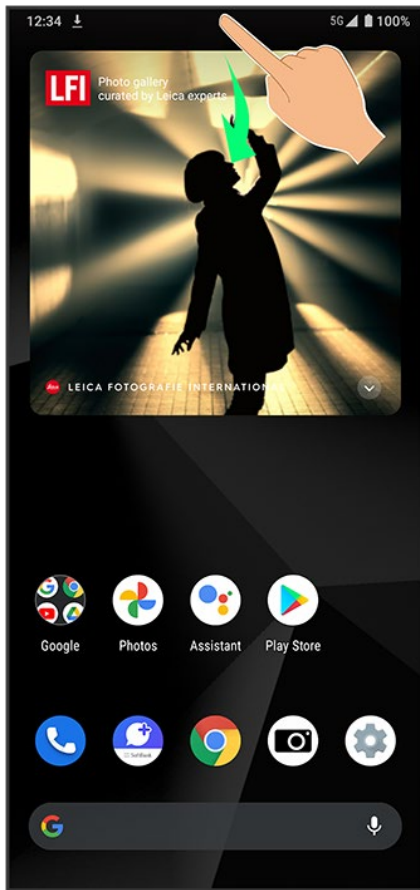




3

After data reception, Flick Status Bar down





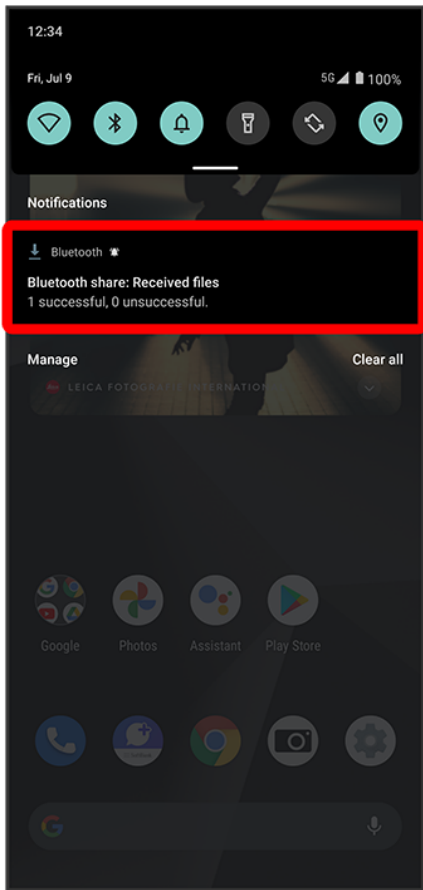
 Notifications Window opens.

4

---

Tap Bluetooth® share notification

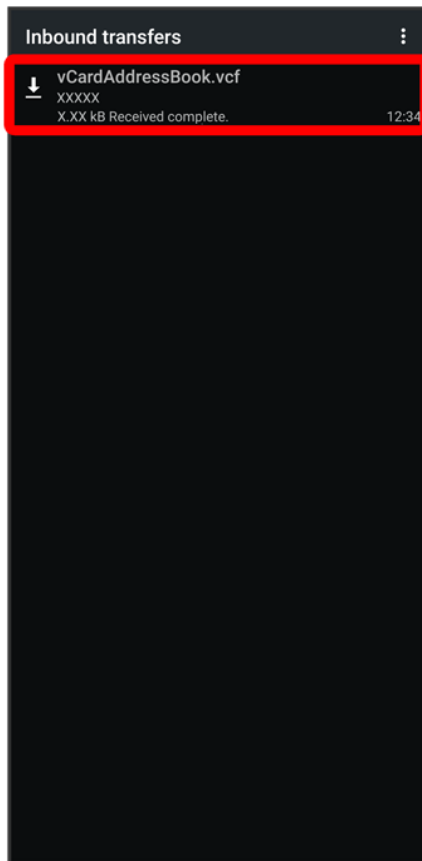





5

Tap file





 Data is saved.

- If confirmation appears, follow onscreen prompts.

 **Opening Files Received by Bluetooth® Transfer**

In Home Screen,  (Settings)  Connected devices  Connection preferences 

Files received via Bluetooth  Tap file  Follow onscreen prompts

## Importing Contacts via Bluetooth® (Data Transfer)

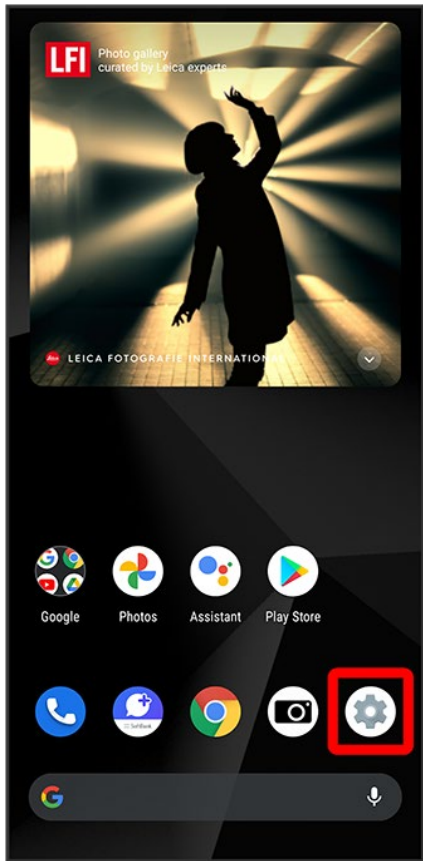
Import contacts from other mobiles using Bluetooth®.

- Enable Bluetooth® beforehand.

1

In Home Screen,  (Settings)

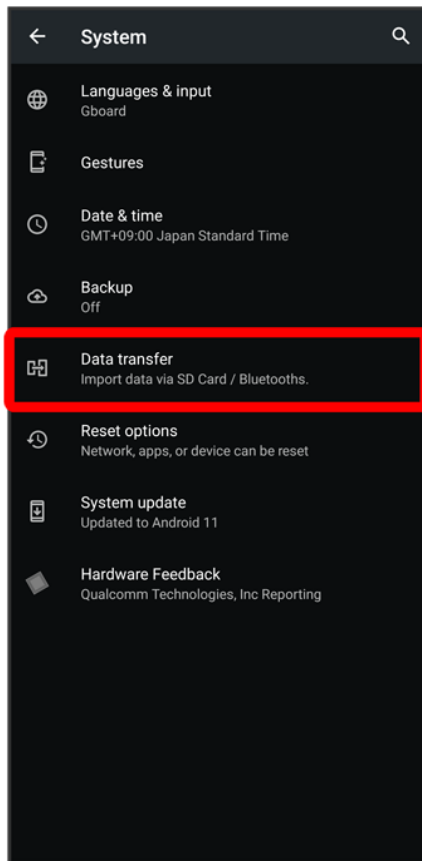





2

System ➔ Advanced ➔ Data transfer



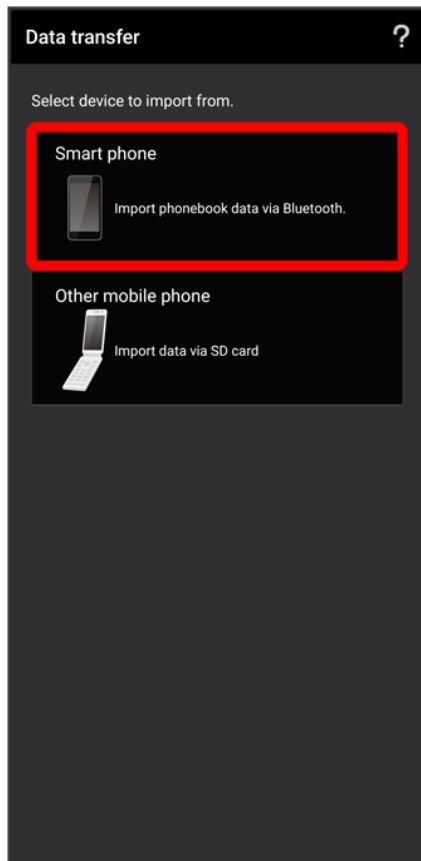


 Data transfer window opens.

3

Data import  Smart phone



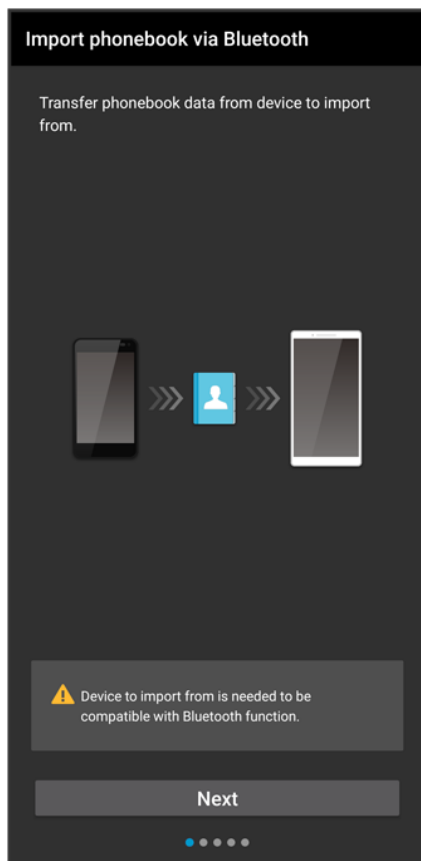


4

---

Follow onscreen prompts





 Import of contacts is complete.

### **Caution for Importing Data**

Import is not available if there is only a little free space in internal storage. Process stops if Battery runs low. Operate with adequate battery charge whenever possible.

## Importing Data from SD Card (Data Transfer)

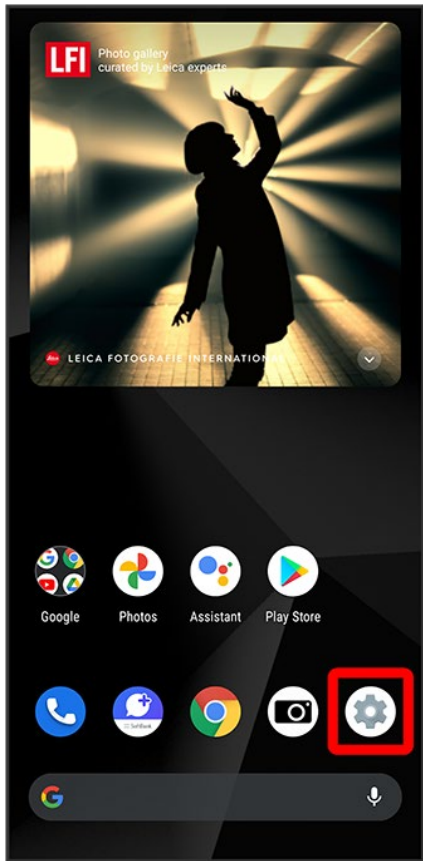
Import data (Address Book, Schedule (Calendar), User/Learning dictionary (S-Shoin), emopa) saved to SD Card on other mobiles or handset to handset.

- Insert SD Card containing a backup file beforehand. See "Inserting SD Card" for details.
- Address Book data (contacts) may not be imported correctly depending on the device used for saving them.

### 1

In Home Screen,  (Settings)

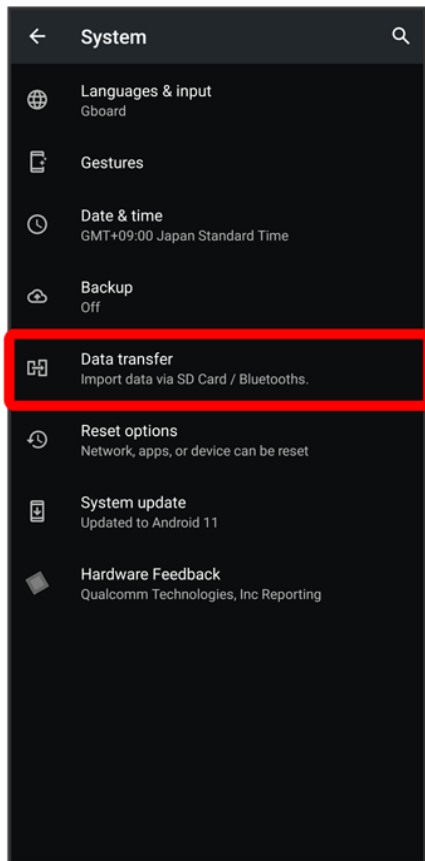





2

System ➔ Advanced ➔ Data transfer







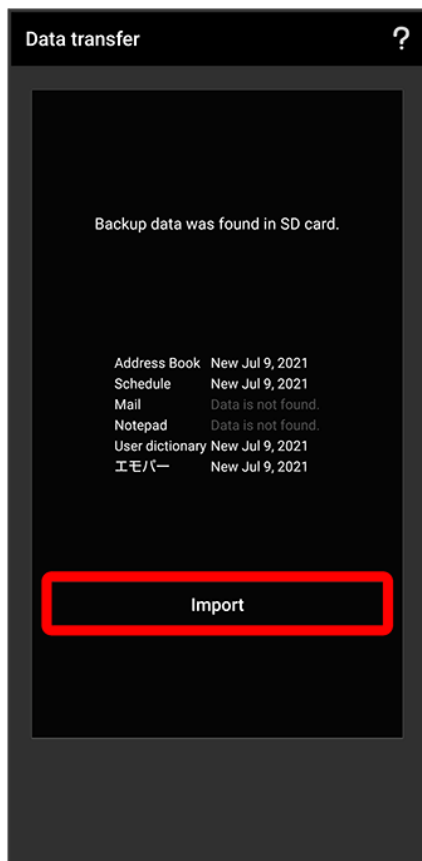
 Data transfer window opens.

3

---

Data import  Other mobile phone  Import

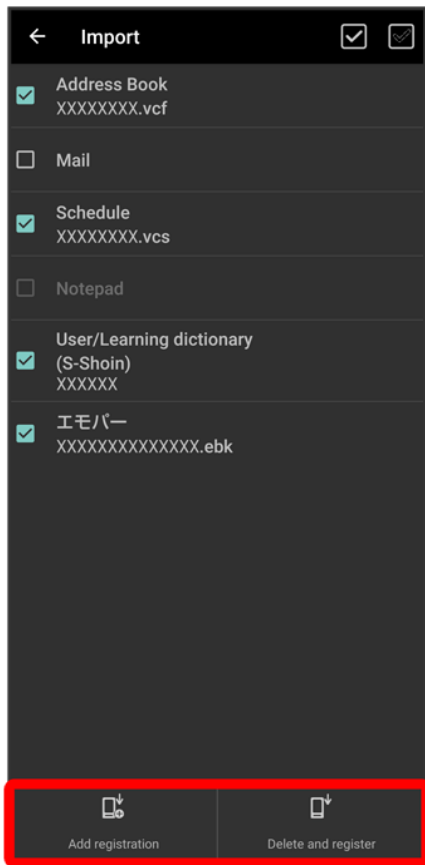




4

Tap item to import ➡ Tap file to import ➡ Add registration/Delete and register



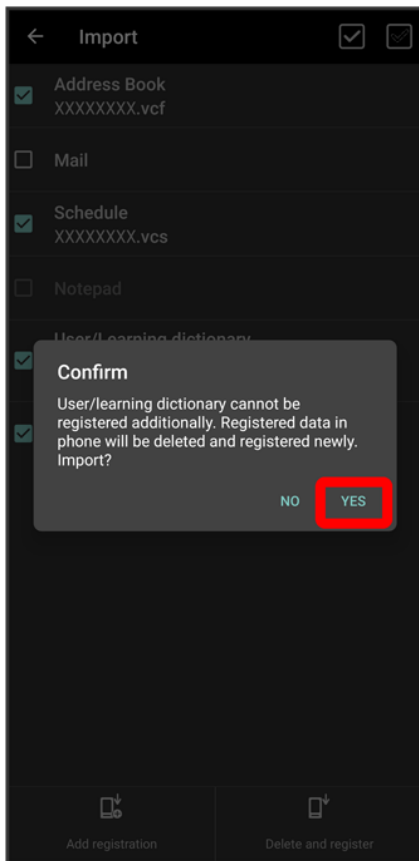


- If confirmation appears, follow onscreen prompts.

5

YES





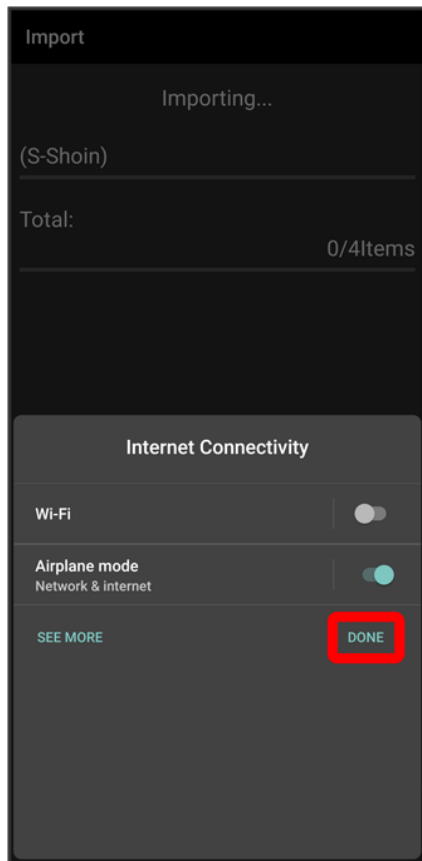
🚩 Import starts.

- If confirmation appears, follow onscreen prompts.



6

🔌 for "Airplane mode" (🔌) ➡ DONE

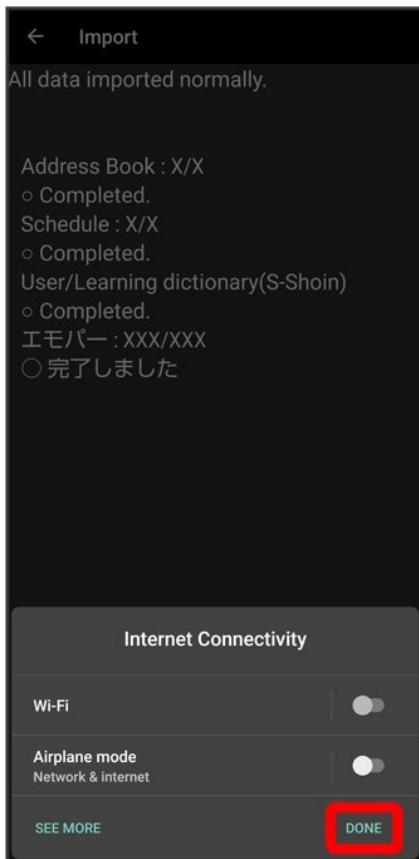




7


OK ➡  for "Airplane mode" () ➡ DONE





8

## Complete

 Import is complete.

### Cautions for Importing Data

Import is not available if there is only a little free space in internal storage. Process stops if Battery runs low. Operate with adequate battery charge whenever possible. When importing User/Learning dictionary (S-Shoin), existing User/Learning dictionary (S-Shoin) data in internal storage is deleted.



# Connecting by Wi-Fi

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Handset supports Wi-Fi (wireless LAN). Access the Internet via household Wi-Fi networks.

- ↓ [Connecting Selected Access Points](#)
- ↓ [Entering Details Manually to Connect](#)
- ↓ [Deleting Connected Access Points](#)
- ↓ [Deleting Saved Access Points](#)
- ↓ [Using Wi-Fi Direct](#)

## Automatic Updates for Optimizing Wi-Fi Connection

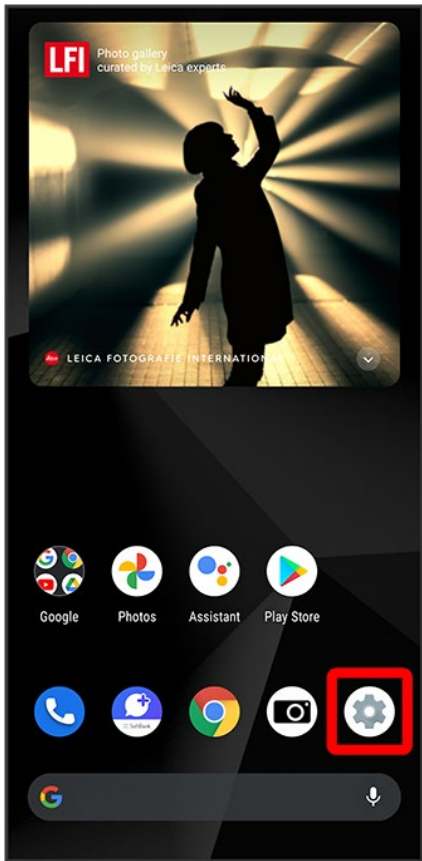
While using Wi-Fi, updates for optimizing connection may be received or applied automatically.

## Connecting Selected Access Points

1

In Home Screen,  (Settings)

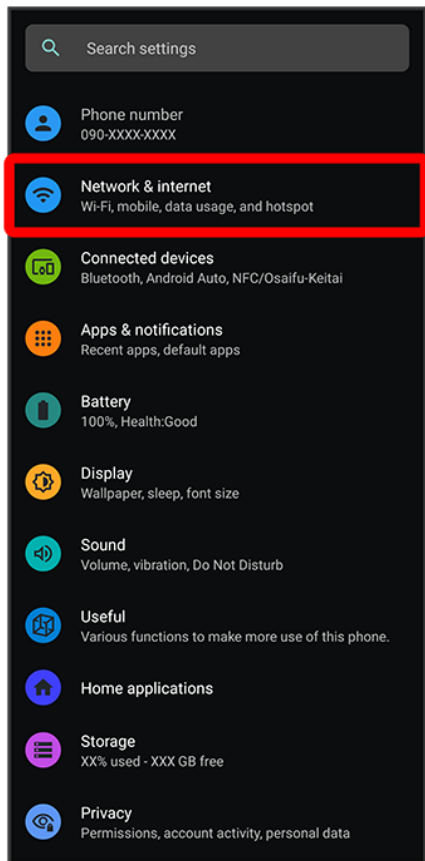




2

## Network & internet

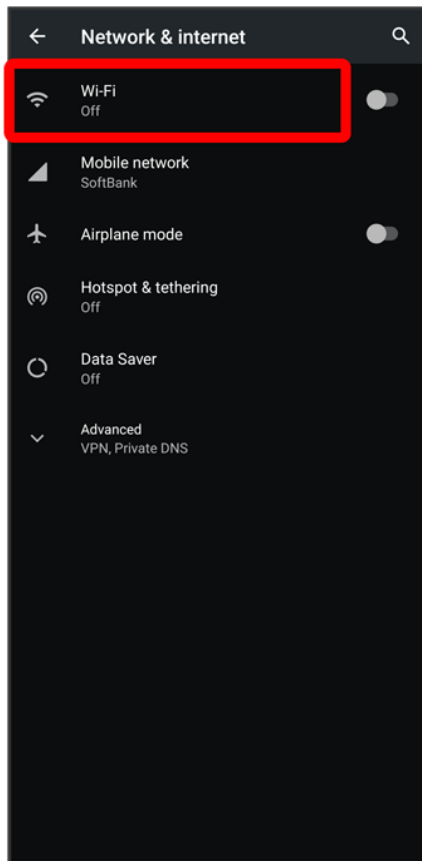




3

Wi-Fi



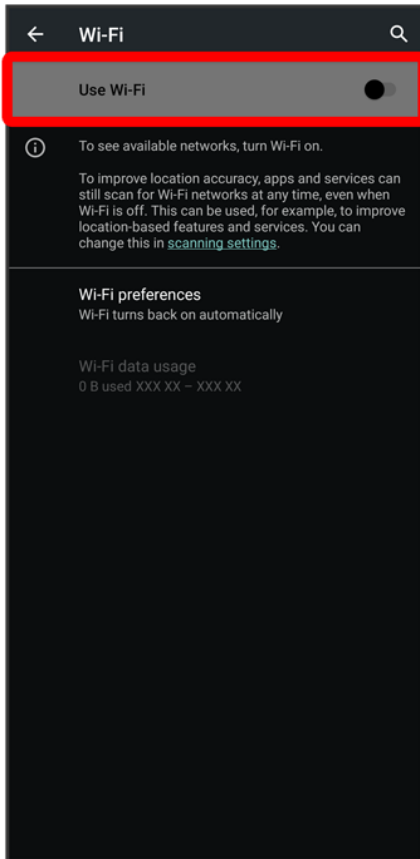


Wi-Fi menu opens.

4

Use Wi-Fi (●)





🚩 Wi-Fi is enabled.

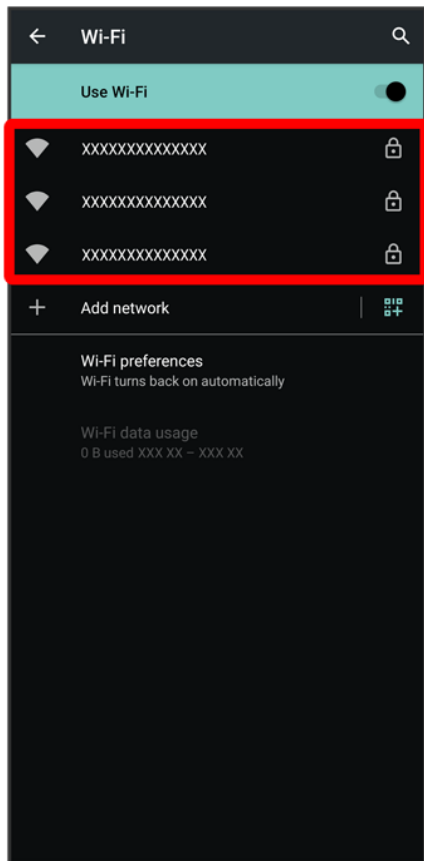
- Access point search starts; available access points appear upon completion.
- Tap **Use Wi-Fi** to toggle on (🟢) / off (⚫).

5

---

Tap access point

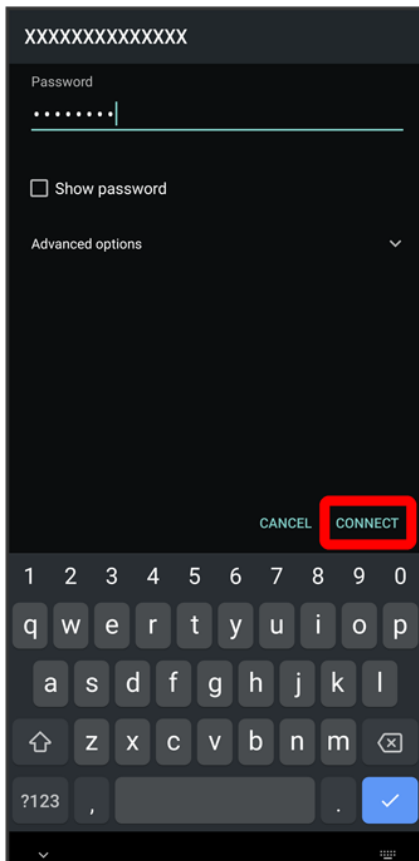





6

Enter password ➡ CONNECT





 Handset connects to the access point.

- Password (indicated by WEP, WPA, KEY, etc.) may be found on a label on your Wi-Fi router. For details, contact the vendor of the router. For public wireless LAN services, check the password with your ISP.
- Depending on access point, password entry may not be required.

## **Wi-Fi Operations**

### **Enabling/Disabling Automatic Use of Wi-Fi when High-Quality Network Is Saved (Home Network, Etc.)**

In Wi-Fi menu, **Wi-Fi preferences**  **Turn on Wi-Fi automatically**




- Tap **Turn on Wi-Fi automatically** to toggle on () / off ().

### **Enabling/Disabling Available Network Notifications**

In Wi-Fi menu, **Wi-Fi preferences**  **Notify for public networks**

- Tap **Notify for public networks** to toggle on () / off ().

### **Installing Certificates**

In Wi-Fi menu, **Wi-Fi preferences**  **Advanced**  **Install certificates**  Follow onscreen prompts

### **Enabling/Disabling Network Rating Provider**



In Wi-Fi menu, **Wi-Fi preferences** ➔ **Advanced** ➔ **Network rating provider** ➔ **Select provider**

### Viewing Data Usage with Wi-Fi

In Wi-Fi menu, **Wi-Fi data usage**

### Checking Access Point Activity while Connected

In Wi-Fi menu, Tap connected access point

- Connection activity, signal strength, frequency, security, etc. appear.

### Share Wi-Fi Password with Other Device

Scan QR code on Display with other device to share.

In Wi-Fi menu, Tap connected access point ➔ **SHARE**



QR code appears.

### Disconnecting Connected Access Point

In Wi-Fi menu, Tap connected access point ➔ **DISCONNECT**

- Tap **CONNECT** to connect to disconnected access point.

### Disconnecting Saved Access Points

In Wi-Fi menu, **Saved networks** ➔ Tap access point to disconnect ➔ **DISCONNECT**

- Tap **CONNECT** to connect to disconnected access point.



## Troubleshooting




Cannot detect access points



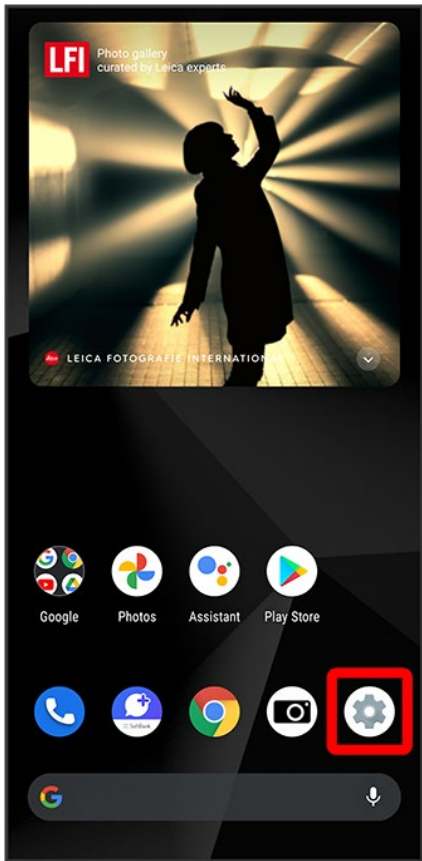
There may be multiple access points using neighboring channels. In this instance, handset may not detect access points correctly.

## Entering Details Manually to Connect

1

In Home Screen,  (Settings)

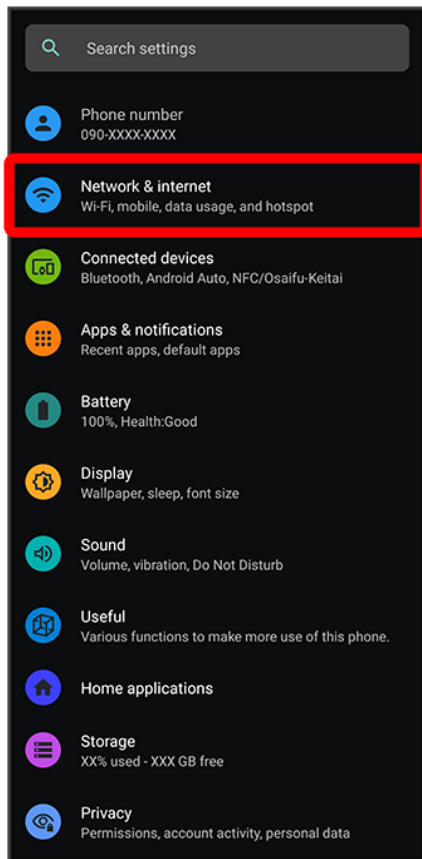




2

Network & internet

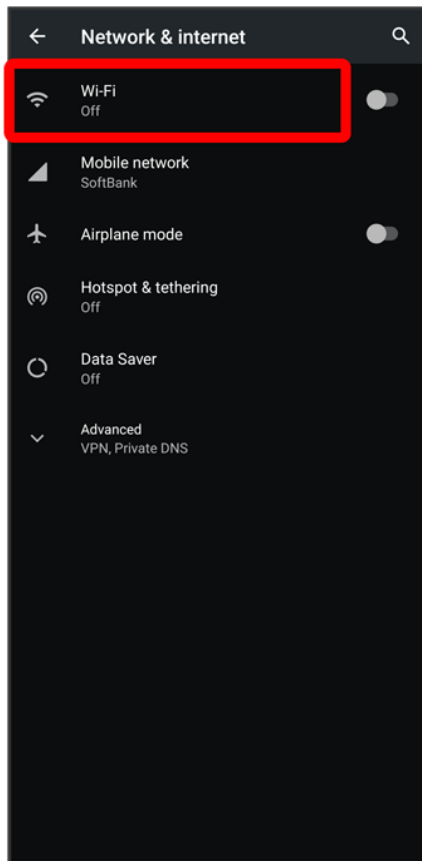




3

Wi-Fi



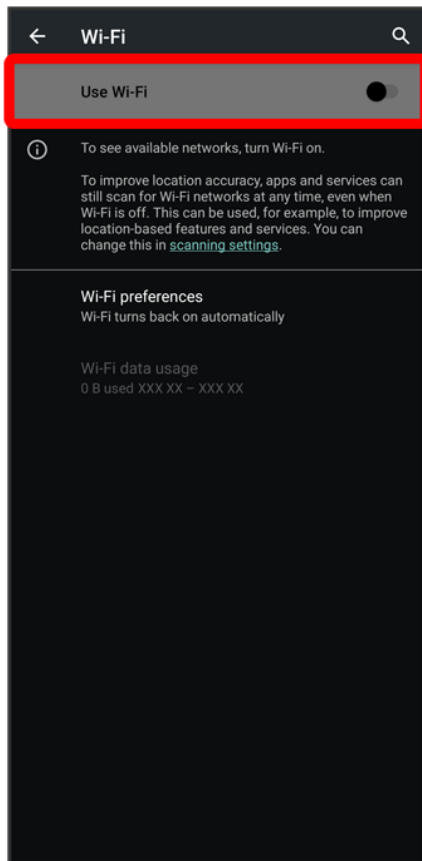



Wi-Fi menu opens.

4

Use Wi-Fi (●)





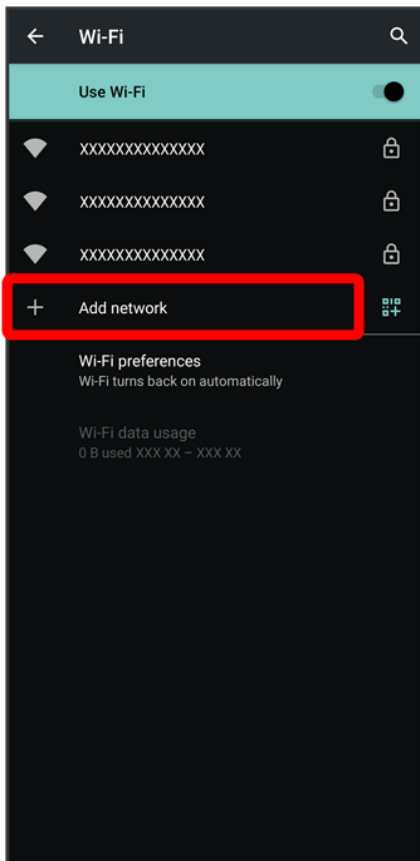
 Wi-Fi is enabled.


- Tap **Use Wi-Fi** to toggle on () / off ().

5

**Add network**



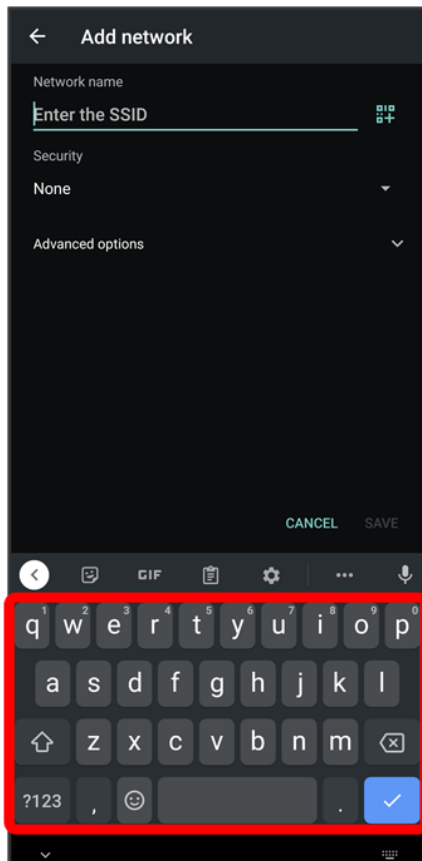


- Tap  for Add network to open QR code scan window. After scanning QR code, password is shared and Wi-Fi connection is possible.

6

Enter network name

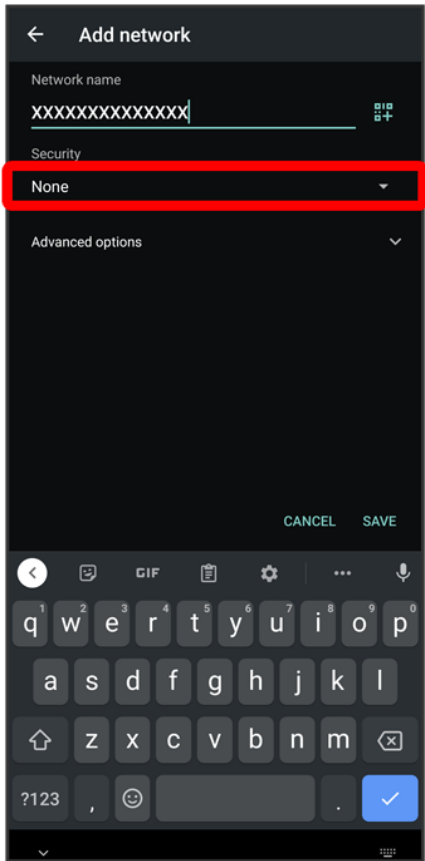




7

Tap Security field

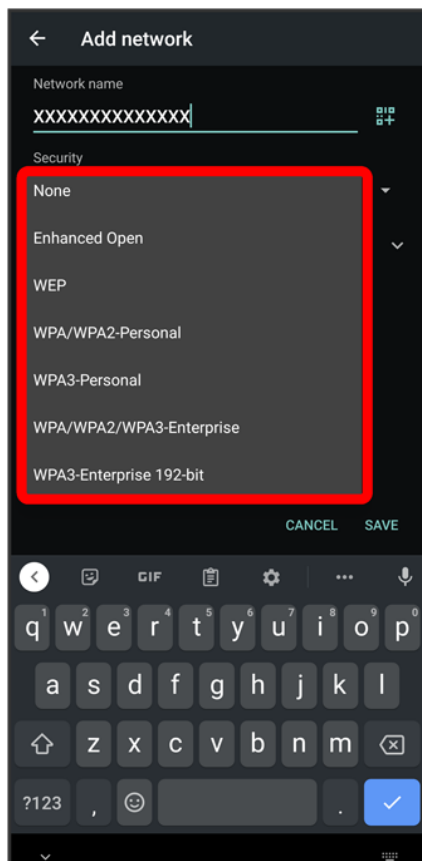




8

Select security

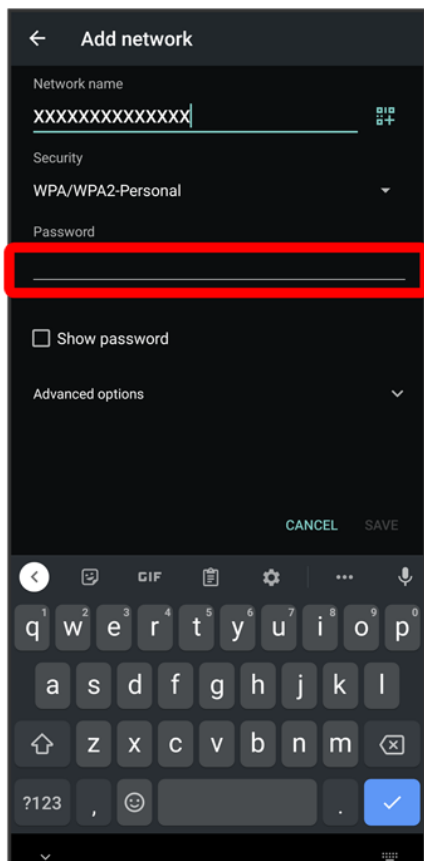




9

Tap Password field

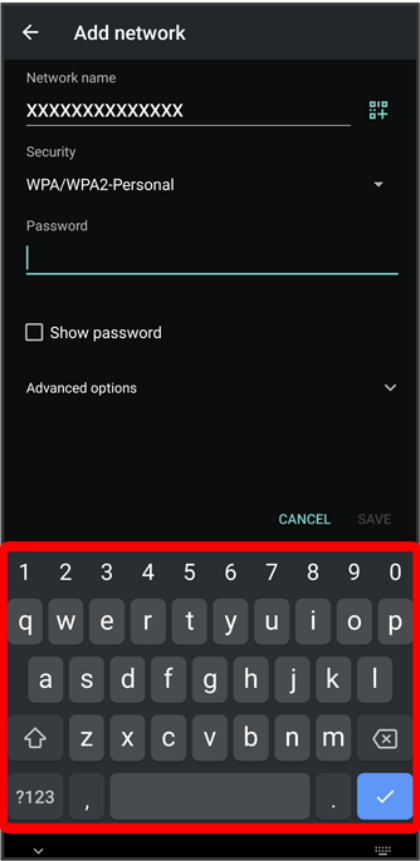




10

Enter password

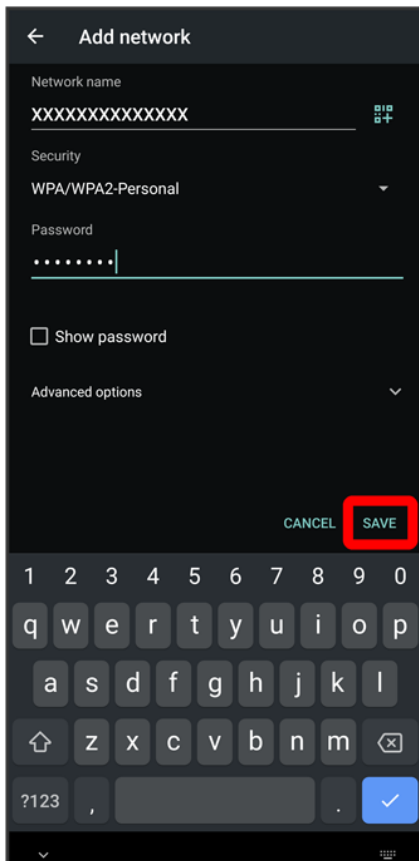





11

SAVE






 Handset is connected.

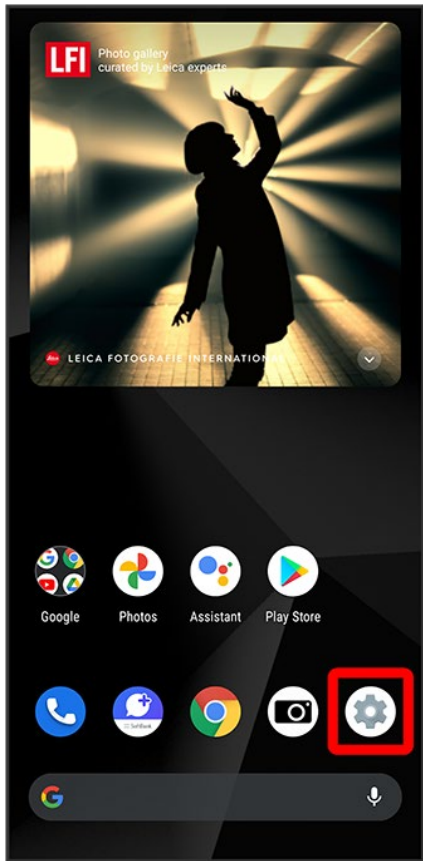
- Entering a password is not required if an access point is not security protected.

## Deleting Connected Access Points

1

In Home Screen,  (Settings)

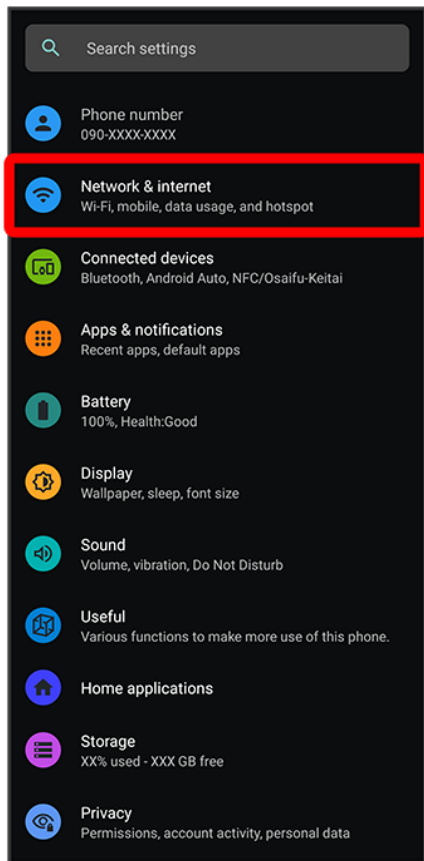




2

## Network & internet

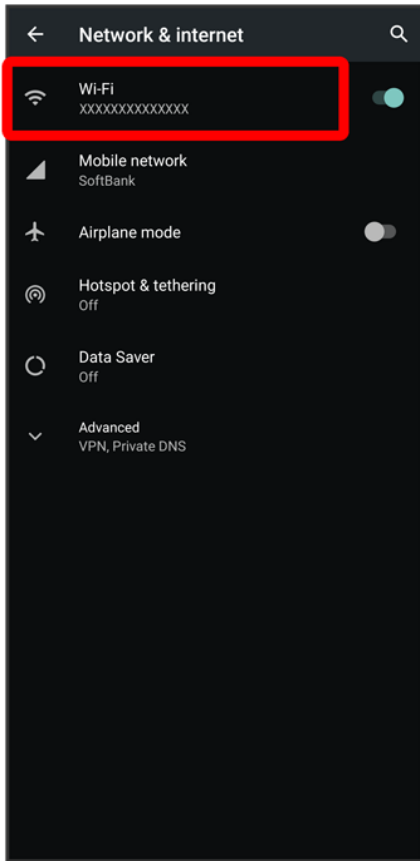





3

Wi-Fi





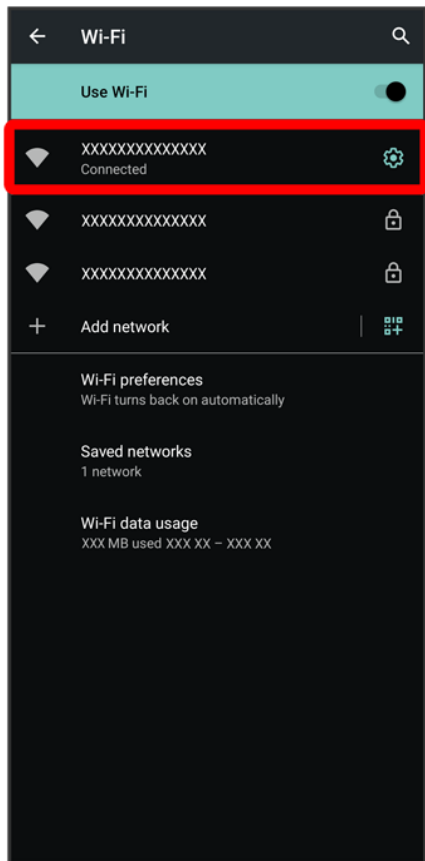
 Wi-Fi menu opens.

4

---

Tap connected access point

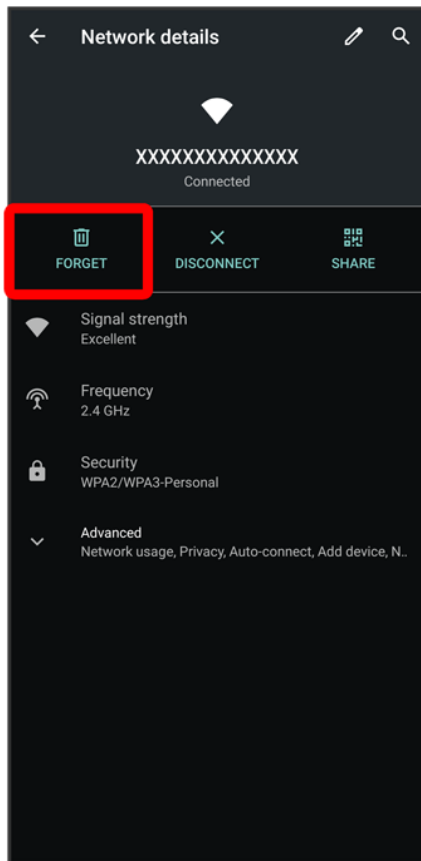





5

FORGET






 Handset disconnects from the access point.

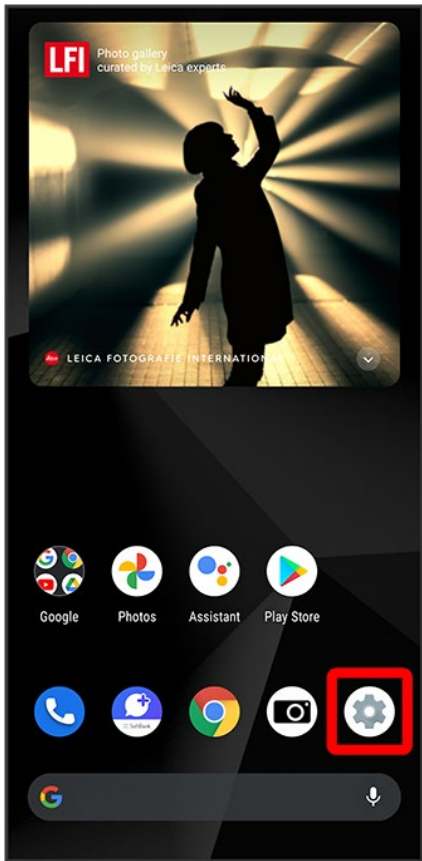
- After disconnecting from an access point connection, the password may need to be entered again to reconnect.

## Deleting Saved Access Points

1

In Home Screen,  (Settings)

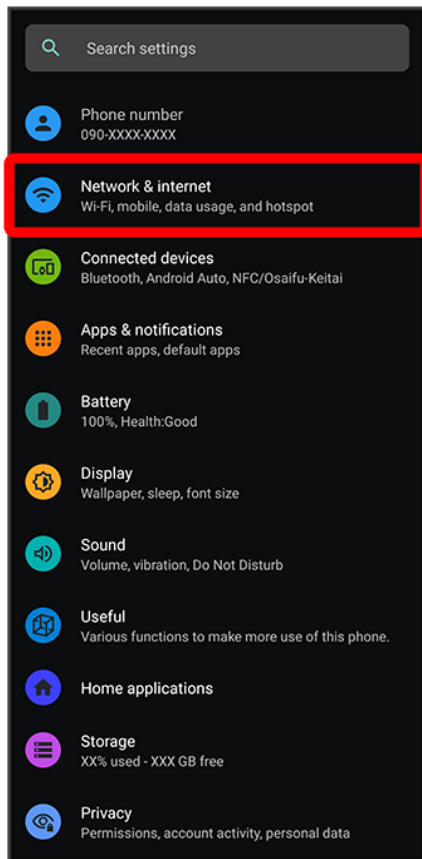




2

## Network & internet

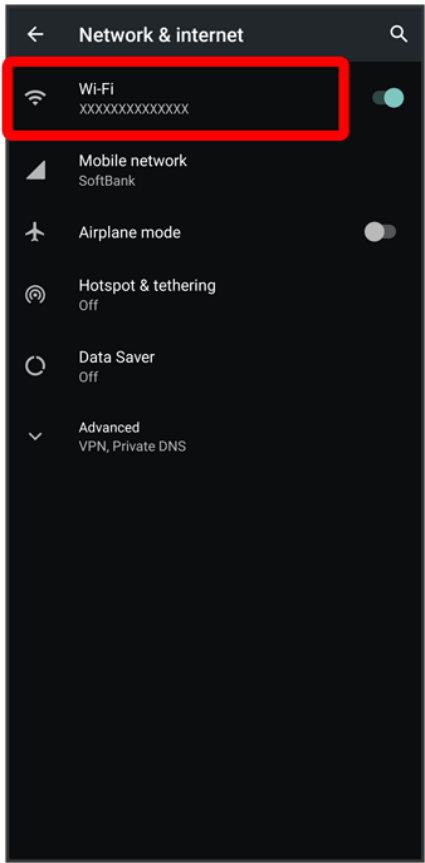





3

Wi-Fi



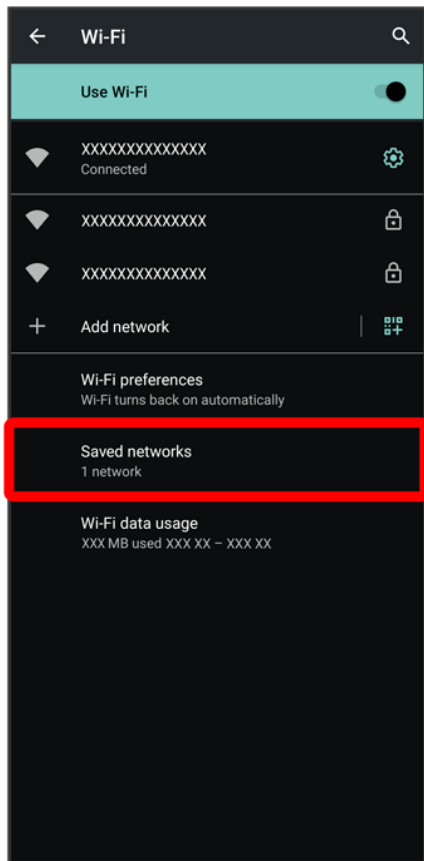


 Wi-Fi menu opens.

4

Saved networks





5

Tap access point

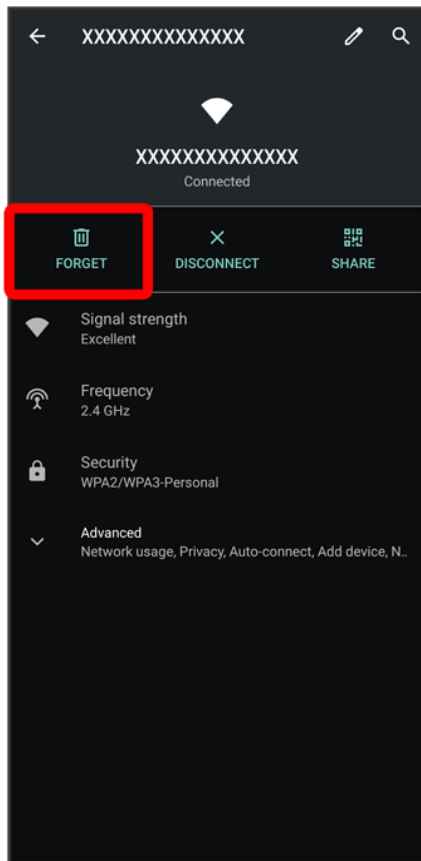





6

FORGET





 The access point is deleted.

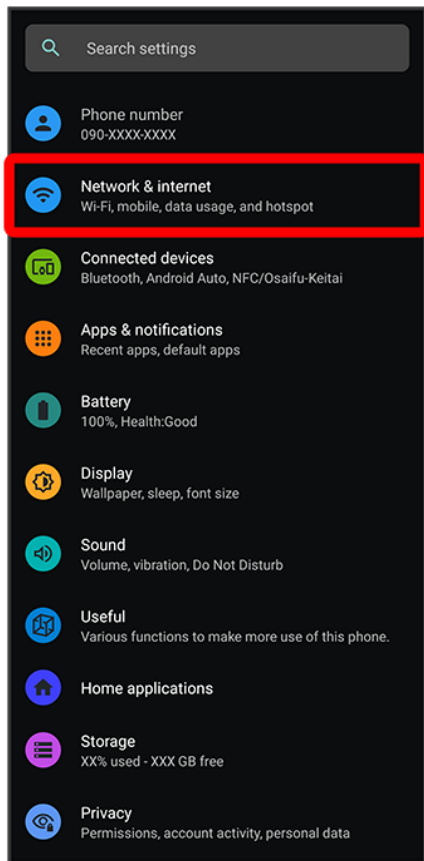
## Using Wi-Fi Direct

Use Wi-Fi Direct to establish a Wi-Fi connection with other Wi-Fi Direct compatible devices with no need for an access point or Internet connection.

1

In Home Screen,  (Settings)  **Network & internet**

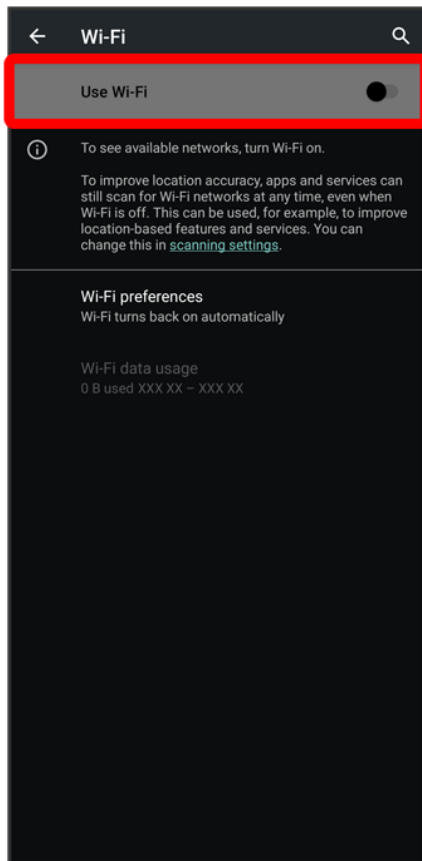





2

Wi-Fi → Use Wi-Fi (  )





 Wi-Fi is enabled.

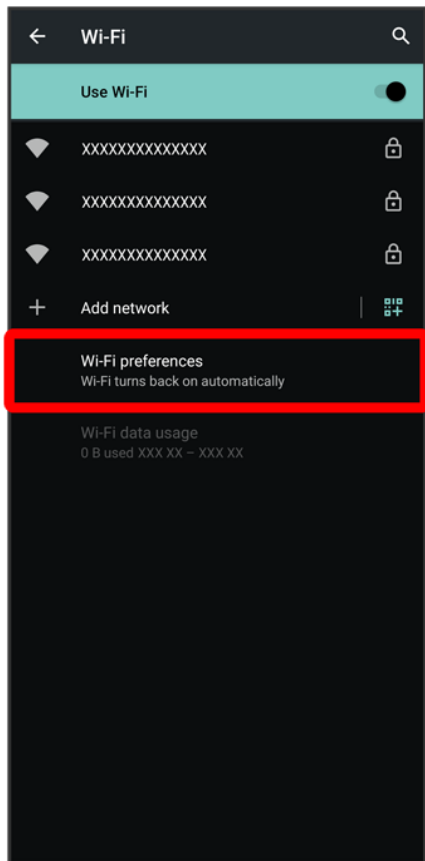
- Tap **Use Wi-Fi** to toggle on () / off ().

3

---

**Wi-Fi preferences**

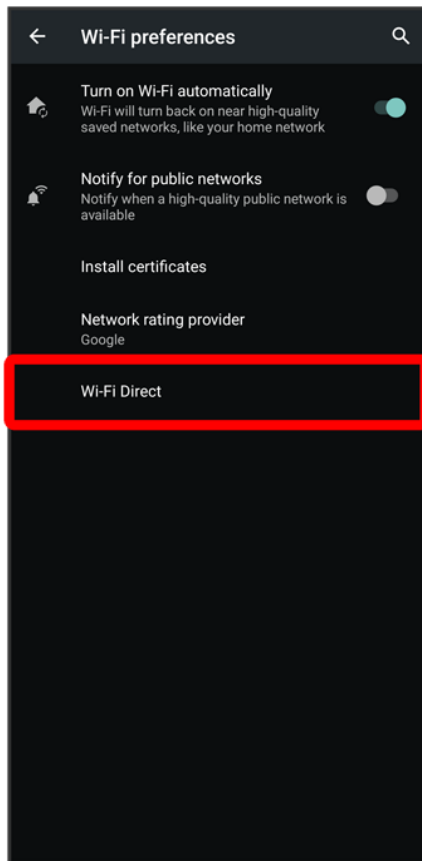





4

Advanced  Wi-Fi Direct






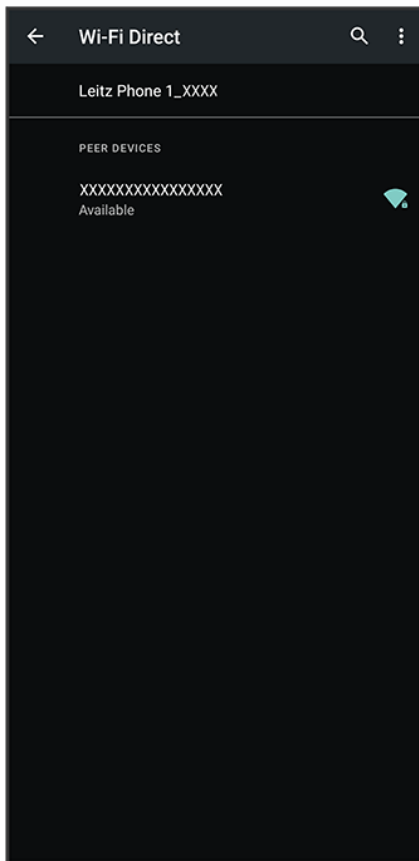
 Found Wi-Fi Direct compatible devices appear in Peer devices field.

- If target device does not appear, Tap   **Search for devices** and search again.



**5**

Tap target device  Follow onscreen prompts for authentication





 Handset connects to the device.

- If connection is not accepted after a certain period, the connection request is canceled.
- To stop the connection, Tap the connected device  .



# Using Bluetooth® Function

Connect handset to other Bluetooth® devices (e.g., headset) for handsfree conversations, or connect to other Bluetooth®-capable mobile phones, etc. to exchange data.

- ↓ Bluetooth® Connectivity
- ↓ Enabling Bluetooth® Function
- ↓ Pairing Bluetooth® Devices
- ↓ Connecting to Paired Bluetooth® Devices
- ↓ Receiving Data via Bluetooth®
- ↓ Sending Data via Bluetooth® (e.g., Address Book)


## Bluetooth® Connectivity

The Bluetooth® function is a technology that enables wireless connection with PCs, Bluetooth® devices with handsfree functionality, etc. such as the following.

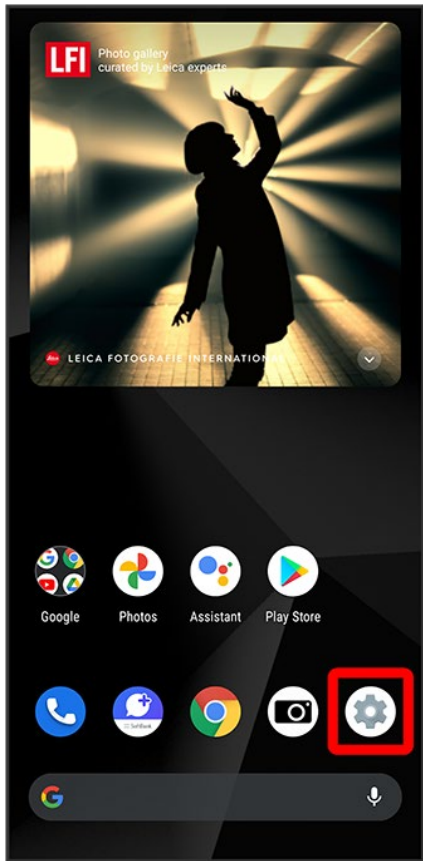
Function	Description
Sound output	Listen to music, audio, etc. wirelessly.
Handsfree conversation	Use Bluetooth® devices (e.g., headsets) for handsfree conversations.
Data exchange	Exchange data with Bluetooth® devices.

## Enabling Bluetooth® Function

1

In Home Screen,  (Settings)

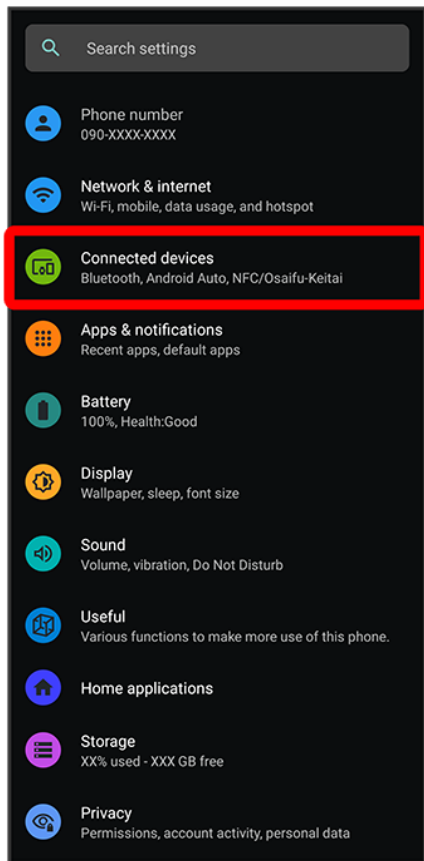




2

Connected devices

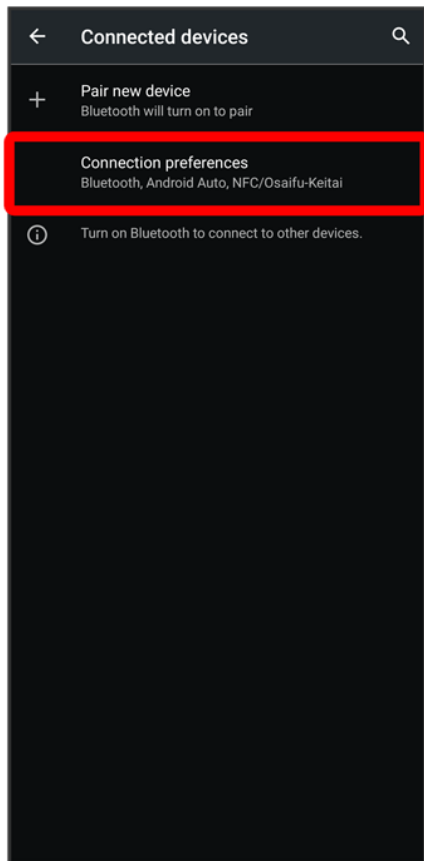




3

## Connection preferences

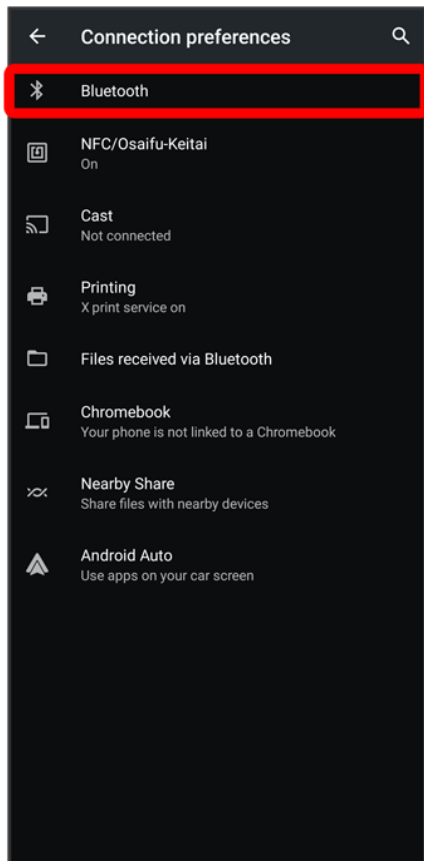





4

Bluetooth



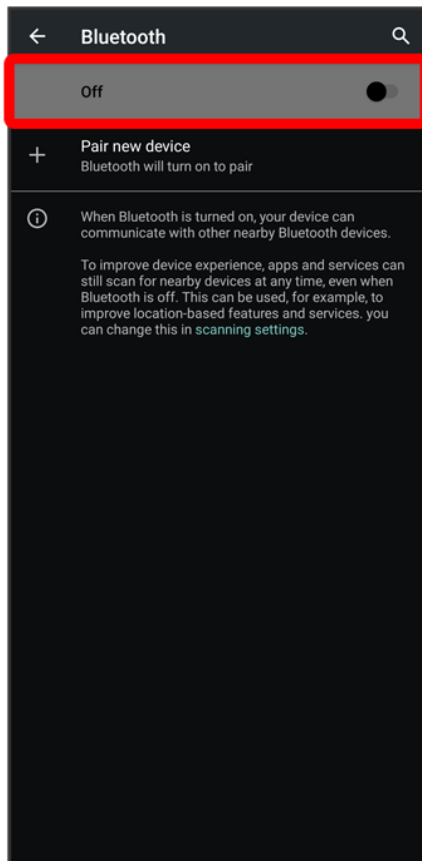



 Bluetooth® menu opens.



5

Off 





Bluetooth® is enabled (On ).

■ To disable Bluetooth®, Tap On  (Off ).

## Renaming Handset Name that Appears on Other Devices

In Bluetooth® menu, Device name  Enter name  RENAME

■ Available when "Bluetooth" is enabled.

## Troubleshooting

**Q** Cannot use Bluetooth®

**A** Handset may be in Airplane mode. If in Airplane mode, Bluetooth® function is disabled. Bluetooth® function can be enabled again after placing handset in Airplane mode.

## Bluetooth® Cautions

### Connection

Bluetooth® connection may not be possible with some Bluetooth® devices. In addition, noise may interfere with wireless or handsfree conversations.

### File Transfer

Files may not appear correctly on recipient devices.



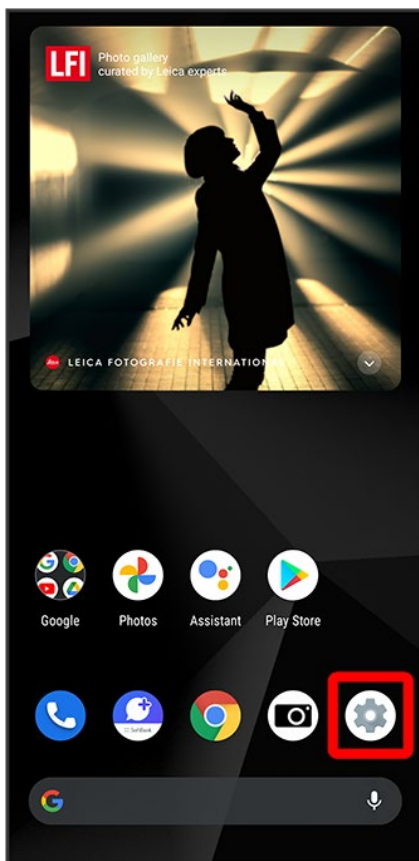
# Pairing Bluetooth® Devices

Search for and pair nearby Bluetooth® devices. Paired Bluetooth® devices can be connected easily.

- Set Bluetooth® devices pair to be discoverable on handset first.

1

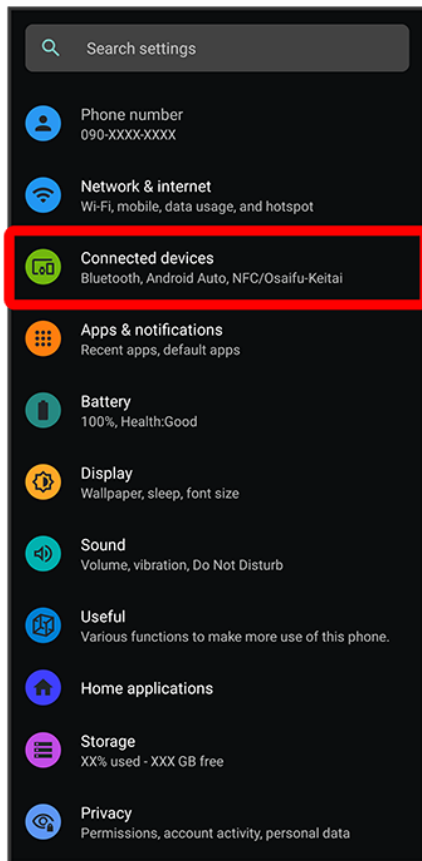
In Home Screen, ⚙️ (Settings)



2

Connected devices

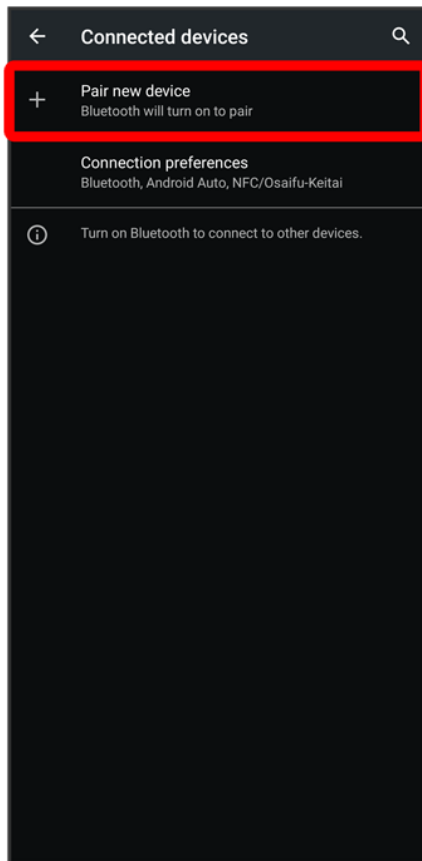





3

## Pair new device





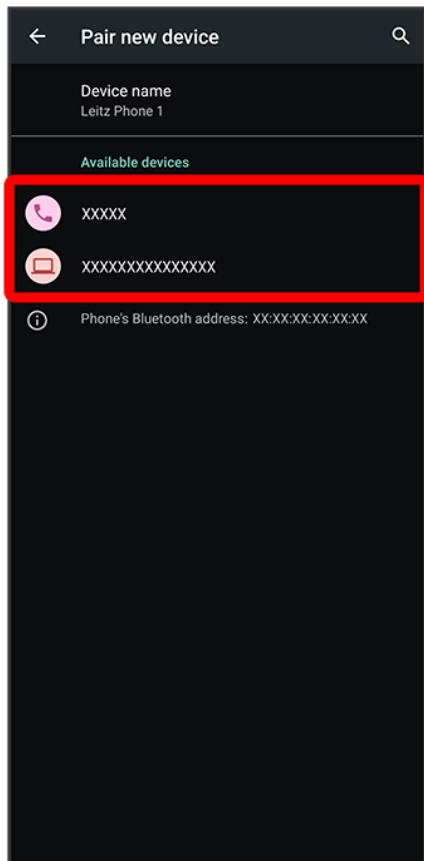
 Found Bluetooth® devices appear in Available devices field.

4

---

Tap target device

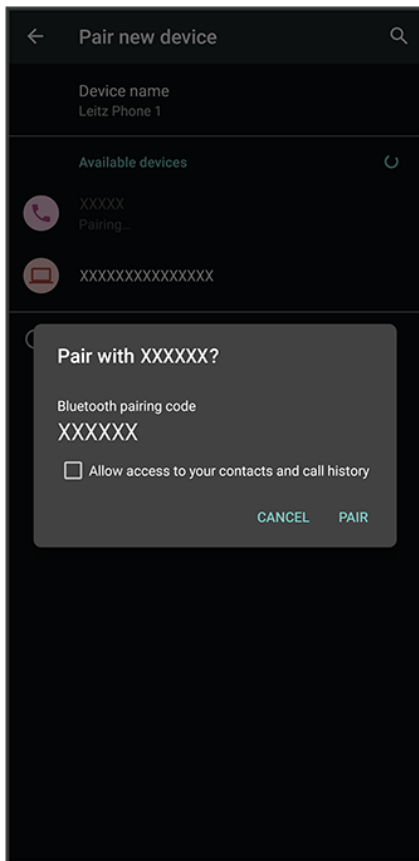





5

Continue by following onscreen prompts to authenticate





 Pairing completes; handset connects to some devices (e.g., handsfree devices) automatically.

- Authentication procedure varies by device. Passkey entry may be required.
- Passkey is a 1 to 16-digit number or a set of characters/symbols required for authentication between handset and other devices.

## Connecting to Paired Bluetooth® Devices

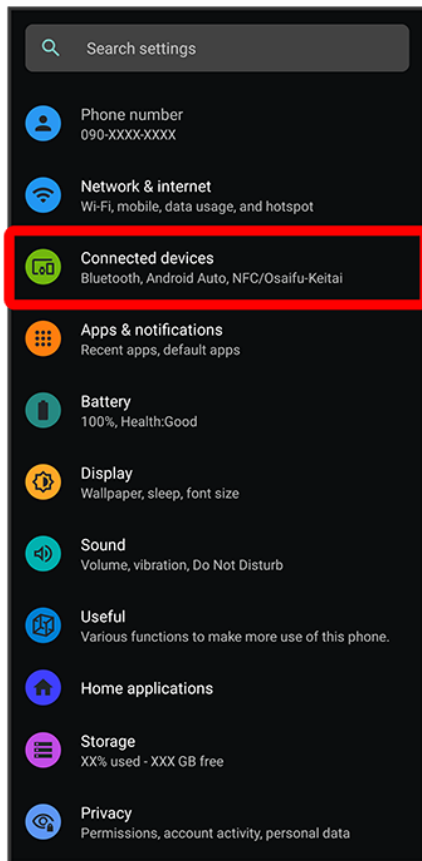
Connect handset and paired Bluetooth® device.

- Enable the Bluetooth® function on handset and the paired Bluetooth® device beforehand.

1

In Home Screen,  (Settings)  **Connected devices**





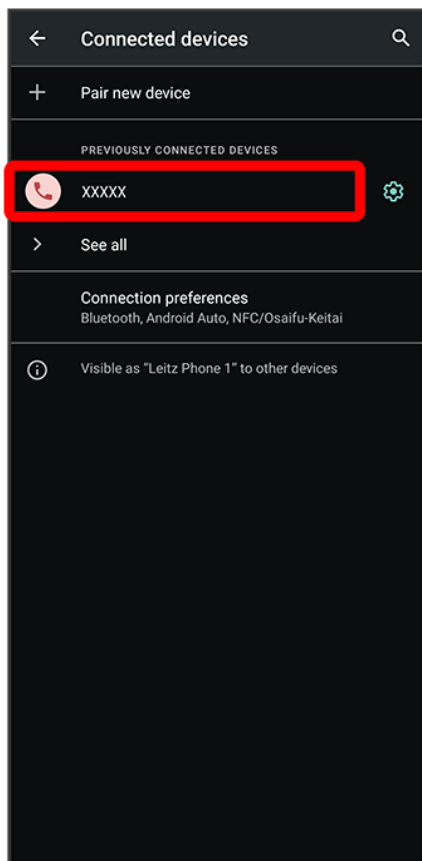
 Connected devices menu opens.

 2

---

Tap target device





 Handset connects to the device.



## Connection by Accepting Connection Requests






Handset automatically accepts connection requests from paired devices. For unpaired devices, set handset to be discoverable, then perform pairing operation on other devices. When connection request arrives, follow onscreen prompts.

- If confirmation appears, follow onscreen prompts.






## Paired Bluetooth® Device Operations

### Renaming Paired Devices

In Connected devices menu,  for paired device    Enter name  **RENAME**

### Unpairing Devices

In Connected devices menu,  for device to unpair  **FORGET**  **FORGET DEVICE**

## Receiving Data via Bluetooth®

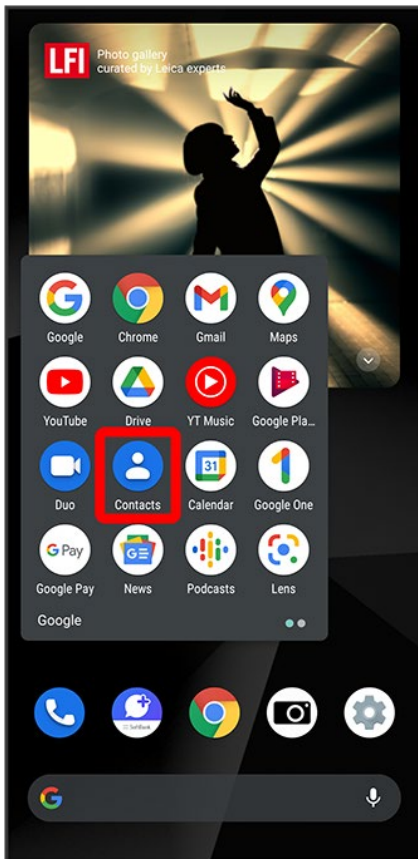
See "Receiving Data via Bluetooth® (e.g., Address Book)" and "Importing Contacts via Bluetooth® (Data Transfer)" for details.



# Sending Data via Bluetooth® (e.g., Address Book)

1

In Home Screen,  (Google)   (Contacts)

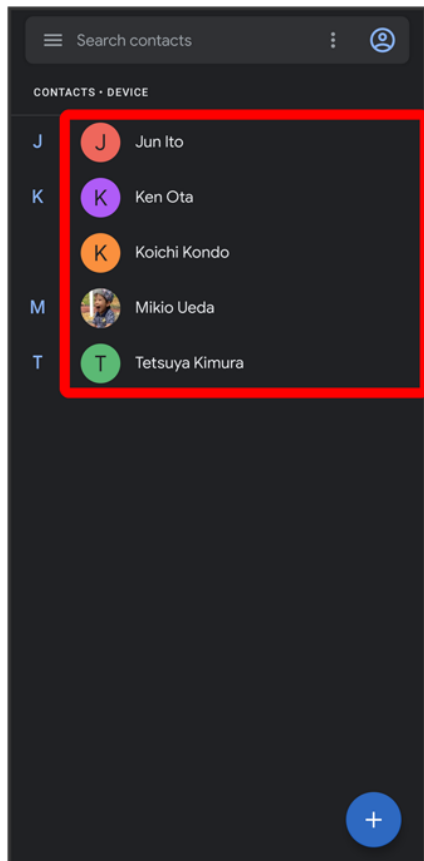


 Contacts opens.

2





Tap contact



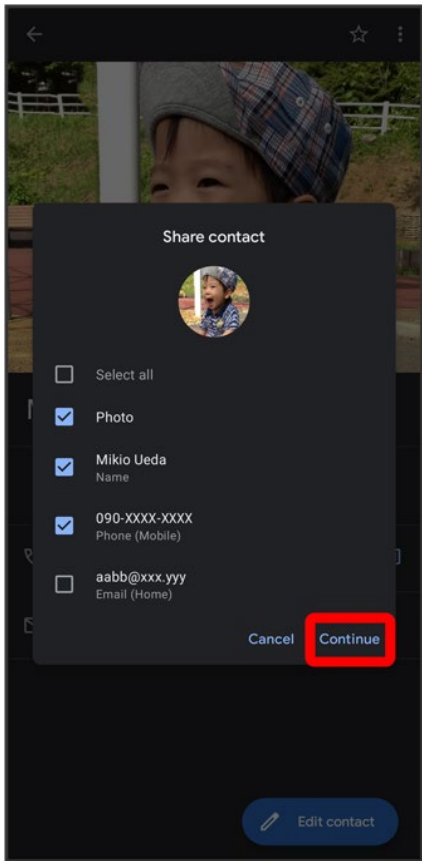


 Contact opens.



  Share  Tap items to share  Continue

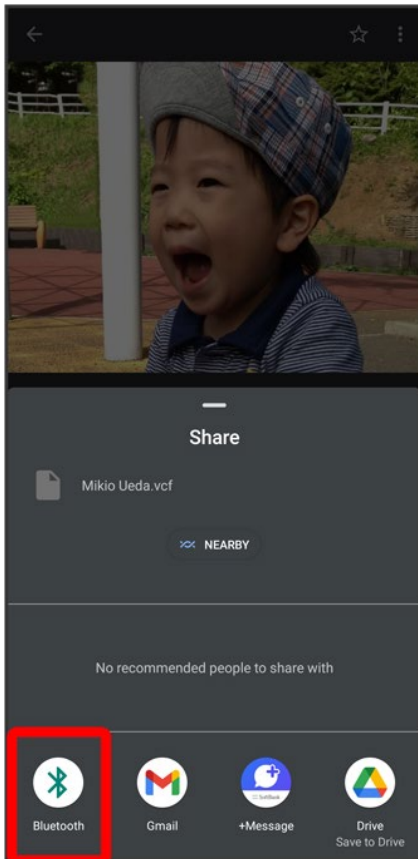




4

Bluetooth






- If confirmation appears, follow onscreen prompts.
- If Bluetooth is hidden, Flick share menu up first.

5







Tap target device





 Data is sent.

### Sending to Several Contacts

In Contacts, Touch & Hold contact  Tap another contact (  )    Bluetooth 

Tap target device

- If confirmation appears, follow onscreen prompts.
- If Bluetooth is hidden, Flick share menu up first.



# Using Tethering

↓ [About Tethering](#)

↓ [Setting Tethering](#)

## About Tethering

- Tethering makes handset act as an external modem (like a Wi-Fi router).  
Use tethering to connect a PC or game device to the Internet through handset.
- Requires separate subscription.
  - Use after confirming that handset is updated to the latest system.

## Setting Tethering

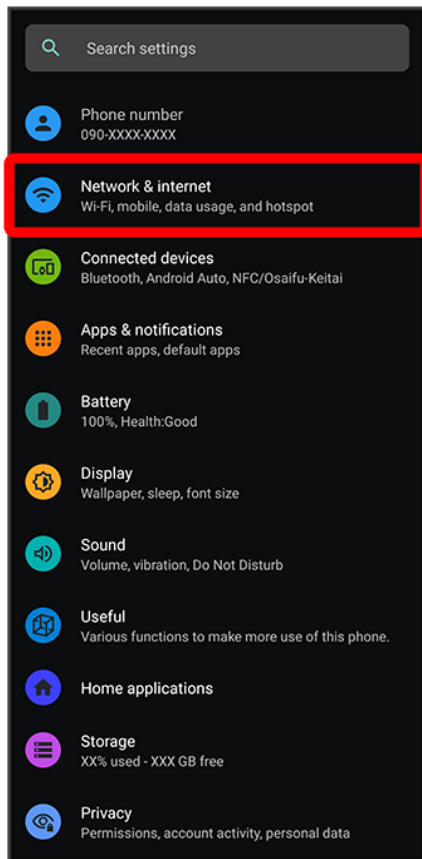
When using tethering, several methods are available for connecting handset with other devices.  
Make settings according to connection method and status of target device beforehand.  
Settable items are the following.

Item	Description
Wi-Fi hotspot	Set whether to enable tethering via Wi-Fi, and make Wi-Fi hotspot tethering settings for network name, security, etc.
USB tethering	Set whether to enable tethering via a commercially available USB Type-C cable. Although data transfer is faster with USB 3.1, it may affect call and data transfer quality.
Bluetooth tethering	Set whether to enable tethering via Bluetooth®.
Ethernet tethering	Set whether to enable tethering with a connection using a commercially available USB wired LAN adapter and LAN cable.

1

In Home Screen,  (Settings)  **Network & internet**



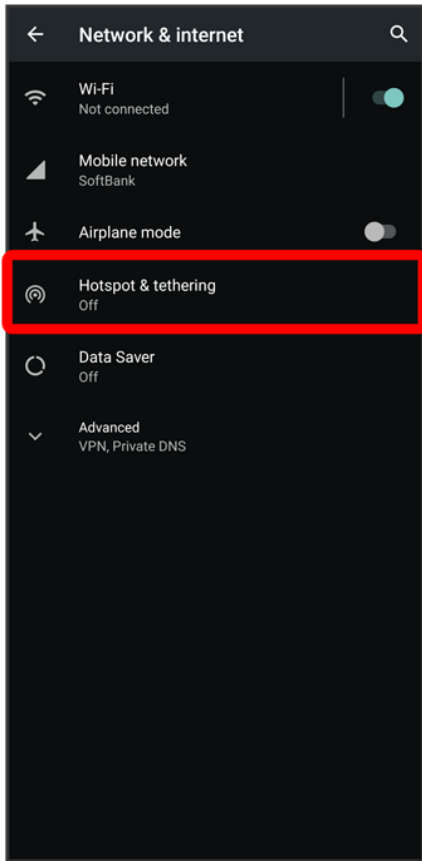


2

---

## Hotspot & tethering





🚩 Hotspot & tethering menu opens.

3

---

Set each item

🚩 Setting is complete.



# About Settings

The User Guide describes main setting options.

↓ [About Settings](#)

## About Settings

Customize operation of handset functions.

- Tap search bar at top of Display or 🔍 to search for items in settings menu.
- Suggested settings appear as candidates at top of settings menu.

Handset settings include the following items.

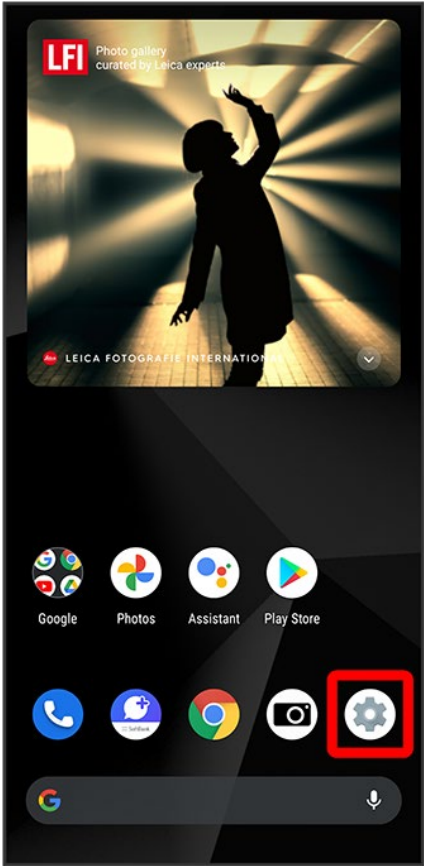
Item	Description
Phone number	Check own phone number.
Network & internet	Make network and Internet settings for Wi-Fi, mobile network, hotspot tethering, etc.
Connected devices	Make Bluetooth® and other device connection settings.
Apps & notifications	Make notification and application settings applications.
Battery	Check battery usage and save battery power by restricting some handset features.
Display	Set Display brightness, wallpaper, etc.
Sound	Set ringtone, notification sound, etc.
Useful	Set useful functions such as Auto sleep Off, Simple mode, and Clip Now.
Home applications	Change the home application.
Storage	Check memory space of internal storage, USB drive and SD Card, mount or unmount SD Card, erase data on SD Card, etc.
Privacy	Make application permissions, password display and other settings.
Location	Make settings for location information.
Security	Make security settings including Screen lock and face authentication.
Accounts	Create or add accounts. Make settings for syncing created or added accounts
Accessibility	Set captions, magnification gestures, and other useful accessibility functions.
Digital Wellbeing & parental controls	Prevent excessive handset use by setting timers for each application or showing number of notifications received and frequency of screen



	unlocking, etc.
Google	Make settings for Google services.
System	Make settings for language, input, date and time, backup, reset, etc.
About phone	Check and make settings for handset information.
Troubleshooting	Check FAQ on Support Website and do a self-check.

1

In Home Screen, ⚙ (Settings)

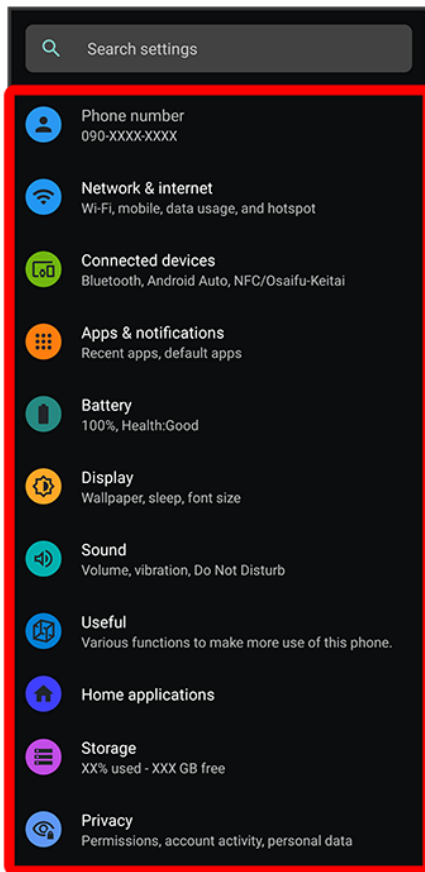


Settings appear.

2

Select item to set





Settings open.



# Data Usage Settings

---

Check the amount of your mobile data usage (per month) and restrict usage. Data usage is only as tracked by handset, and may differ from actual data usage statement.

- ↓ [Checking Application Data Usage](#)
- ↓ [Setting Reset Date for Data Usage](#)
- ↓ [Setting an Alert Amount for Increased Data Usage](#)
- ↓ [Changing Automatic Data Communication & Sync Settings](#)
- ↓ [Setting a Limit on Mobile Data Usage](#)
- ↓ [Restrict Background Mobile Data](#)

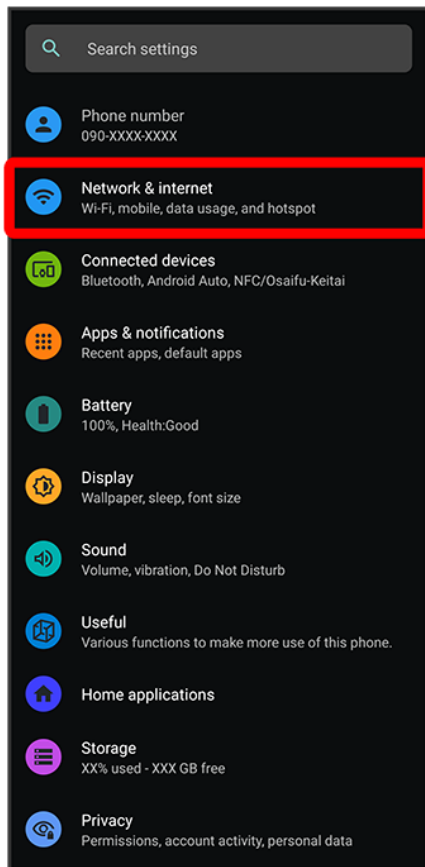
## Checking Application Data Usage

1

---

In Home Screen,  (Settings)  **Network & internet**



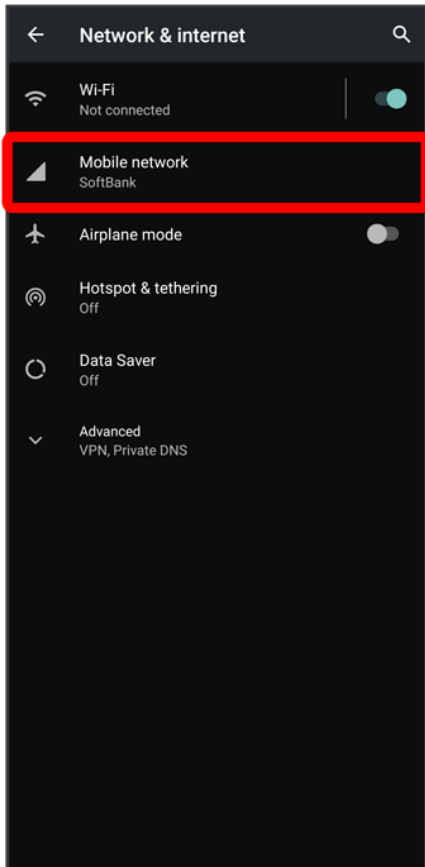


2

---

## Mobile network





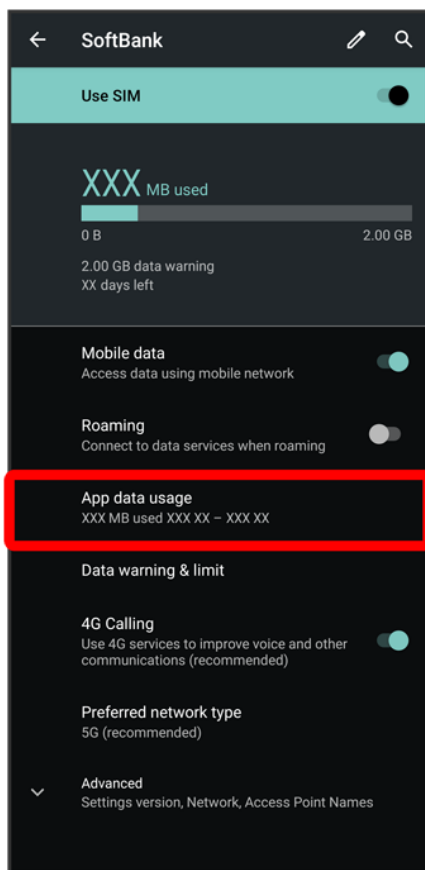
 Mobile network window opens.

3

---

App data usage







 Check application data usage in Mobile data usage window.


## Mobile Data Usage Operations




### Setting Whether to Permit Restriction on Use of Data when Data Saver Set

In Mobile data usage window, Tap application name  Unrestricted data usage


- Tap Unrestricted data usage to toggle on () / off (.
- See "Network & Internet" for details on Data Saver.




### Setting Whether to Alert User when Mobile Data Usage Reaches Alert Amount

In Mobile network window, Data warning & limit  Set data warning

- Tap Set data warning to toggle on () / off (.
- When data usage reaches the alert amount,  appears on Status Bar.

### Setting Whether to Use Restriction on Use of Mobile Data

In Mobile network window, Data warning & limit  Set data limit

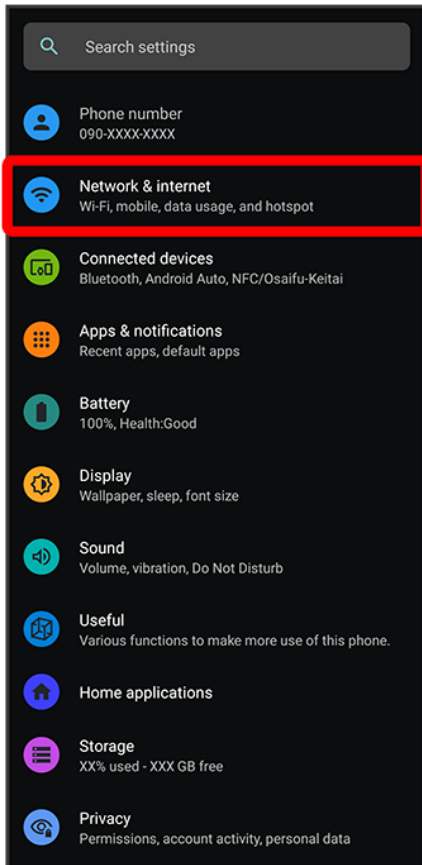
- Tap Set data limit to toggle on () / off (.
- If confirmation appears, follow onscreen prompts.
- When data usage reaches the upper limit,  appears on Status Bar, and notification indicating that mobile data is disabled appears. Follow onscreen prompts.



# Setting Reset Date for Data Usage

1

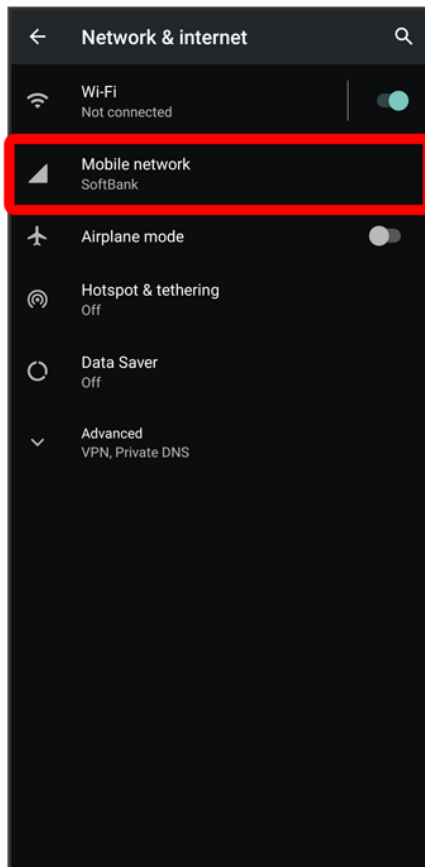
In Home Screen,  (Settings)  **Network & internet**



2

**Mobile network**

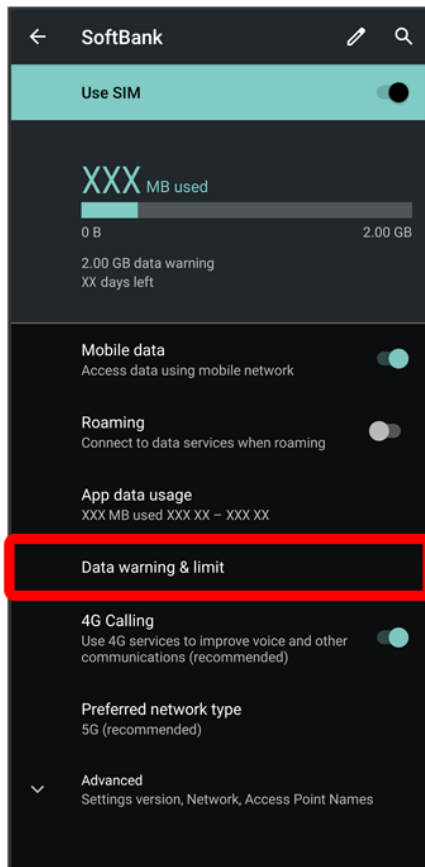




3

Data warning & limit

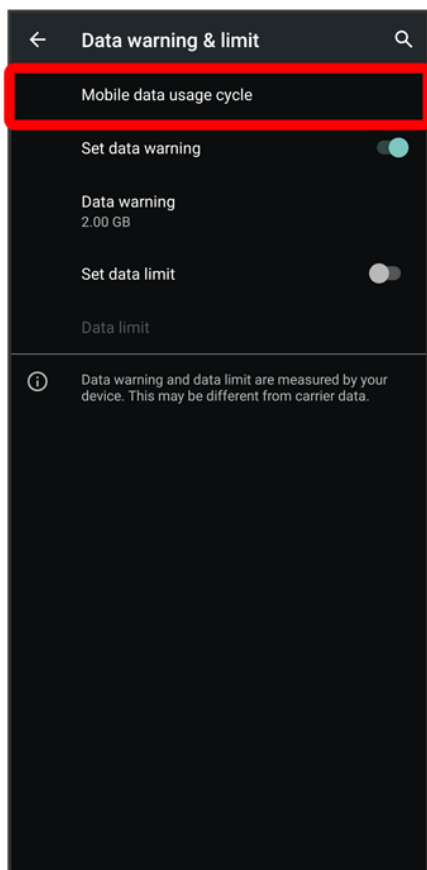




4

## Mobile data usage cycle



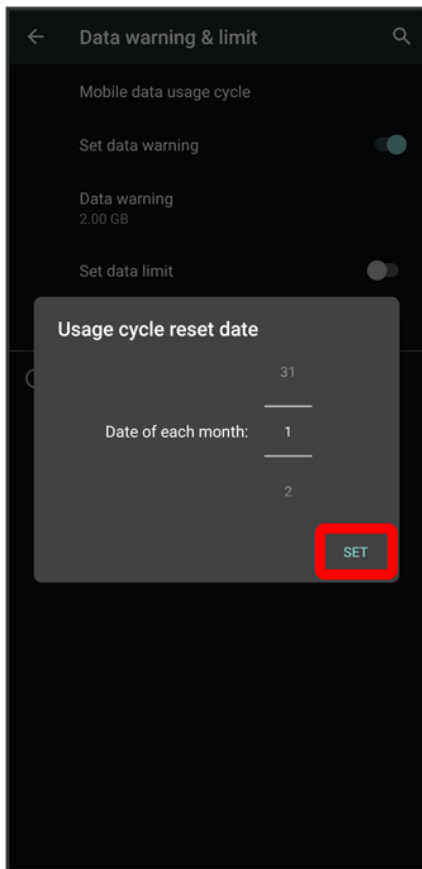


5

---

Click date up/down to set reset date ➡ SET





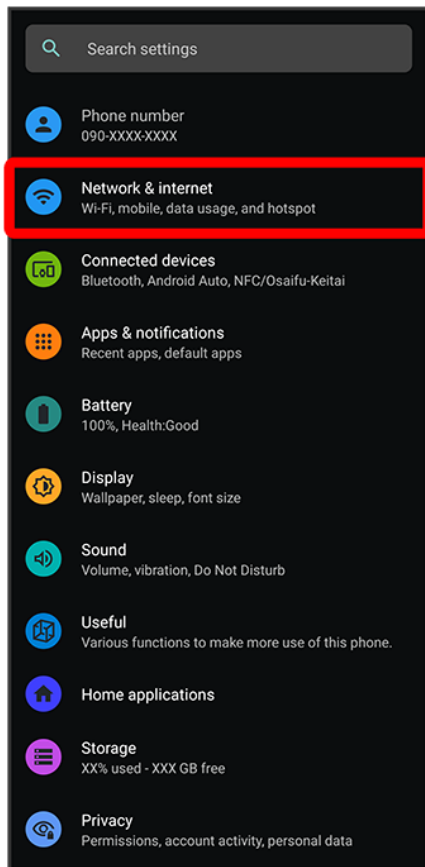
🚩 Reset date is set.

## Setting an Alert Amount for Increased Data Usage

1

In Home Screen, ⚙️ (Settings) ➔ Network & internet



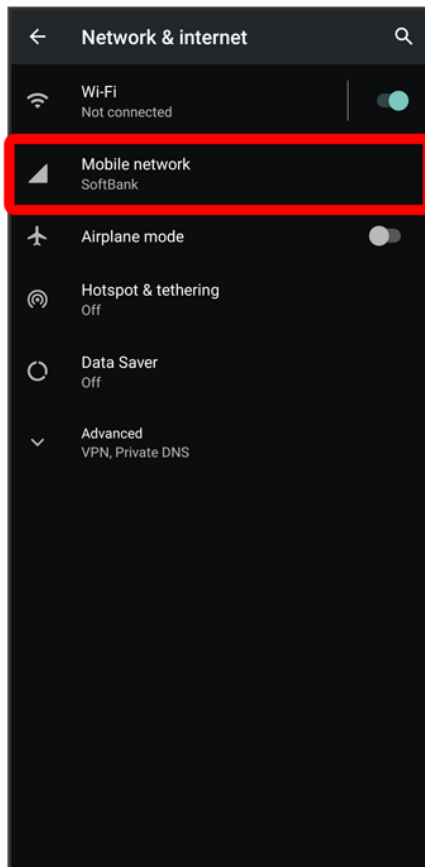


2

---

## Mobile network



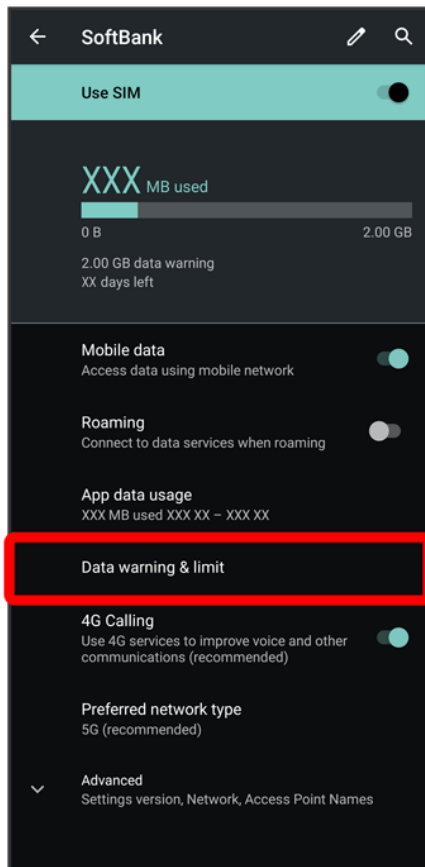


3

---

## Data warning & limit

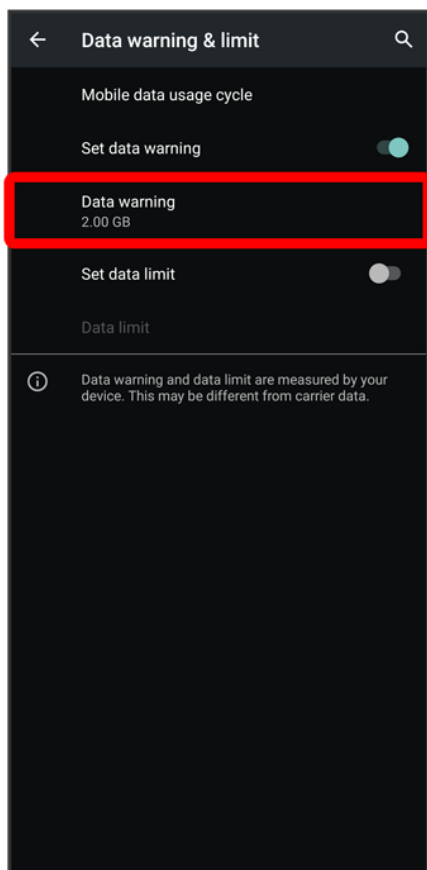




4

## Data warning



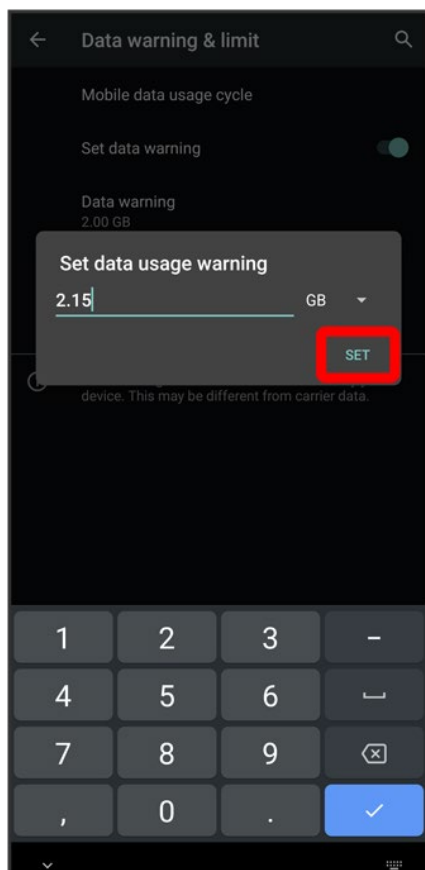


- Available when **Set data warning** is enabled.


5

Enter amount for alert ➡ **SET**





 Amount for data alert is set.

- Tap  to change the unit (MB or GB).
- Data usages are approximate, and may differ from the actual data usage.

## Changing Automatic Data Communication & Sync Settings

Customize settings to automatically lower amount of data communication.

Change settings in the following ways.

Item	Description
<b>Location</b>	Disable location information. See "Location Settings" for details.
<b>Automatic syncing</b>	Disable automatic syncing of applications and data set in your account. See "Accounts" for details.
<b>Background data communication</b>	Restrict background data. See "Restrict Background Mobile Data" for details.



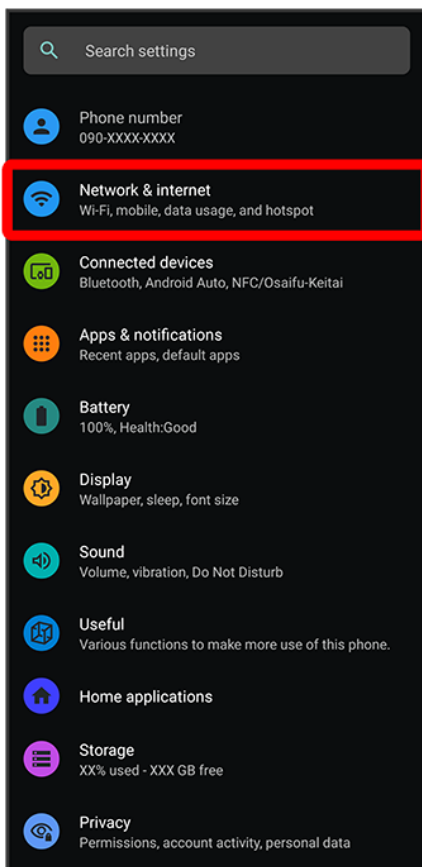
## Communication while abroad

Set handset to not permit data while using handset abroad. See "Changing Roaming Setting" for details.

# Setting a Limit on Mobile Data Usage

1

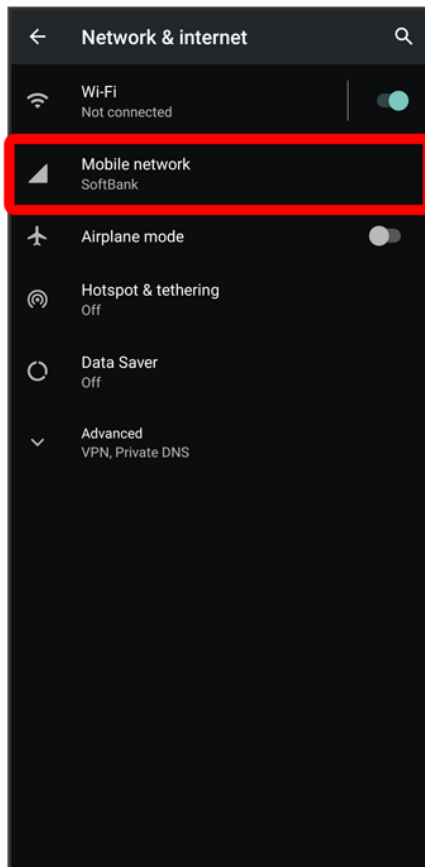
In Home Screen,  (Settings)  **Network & internet**



2

**Mobile network**

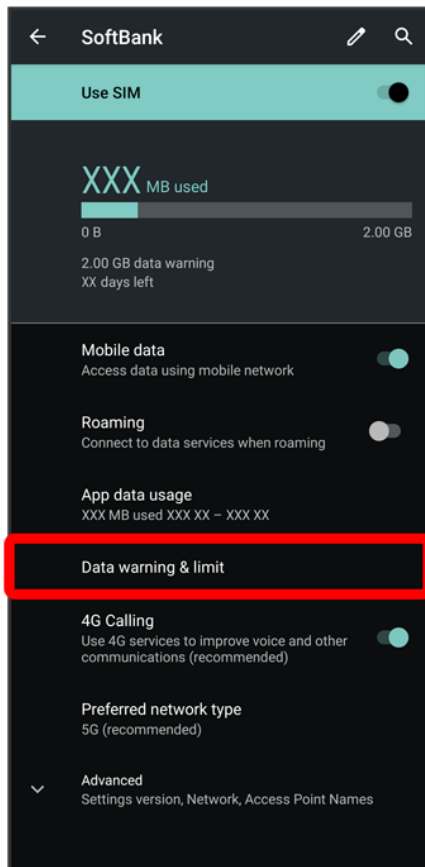




3

Data warning & limit

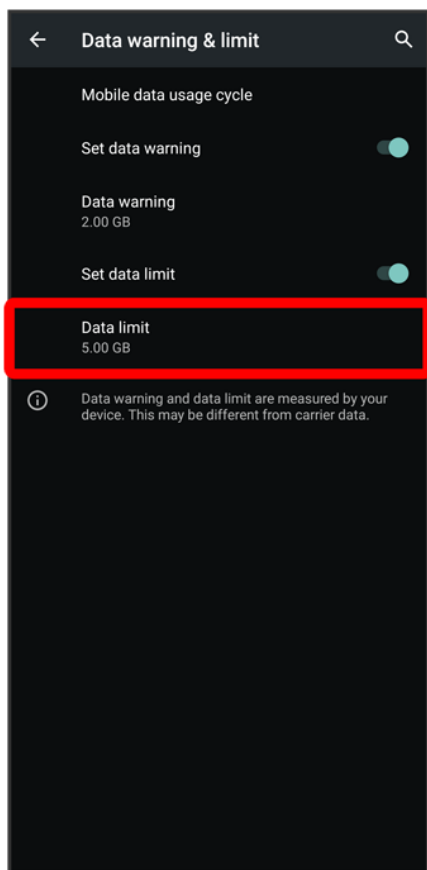




4

## Data limit



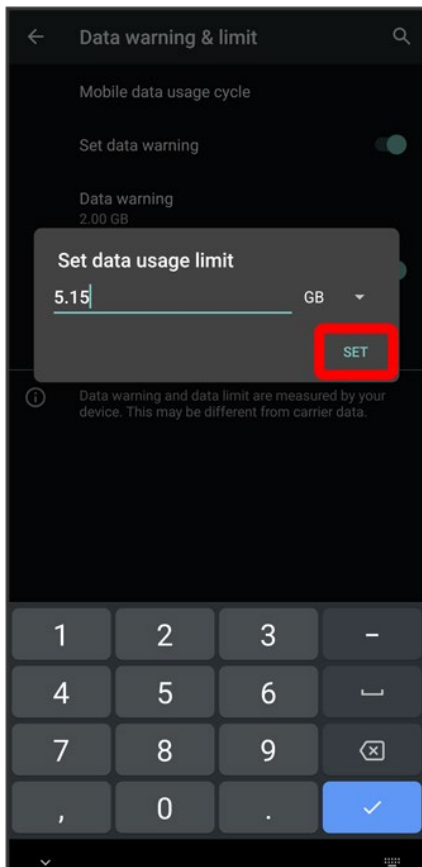


- Available when **Set data limit** is enabled.

5

Enter amount for limit → **SET**





🚩 Limit on data is set.

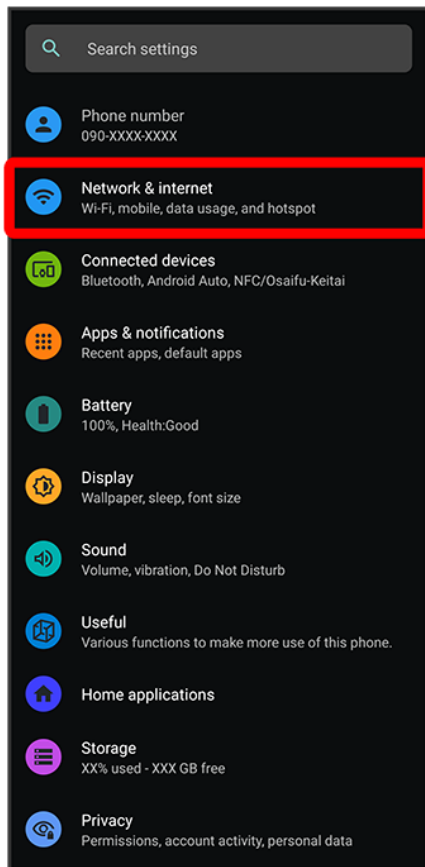
- Tap ▼ to change the unit (MB or GB).
- Data usages are approximate, and may differ from the actual data usage.

## Restrict Background Mobile Data

1

In Home Screen, ⚙️ (Settings) ➔ Network & internet



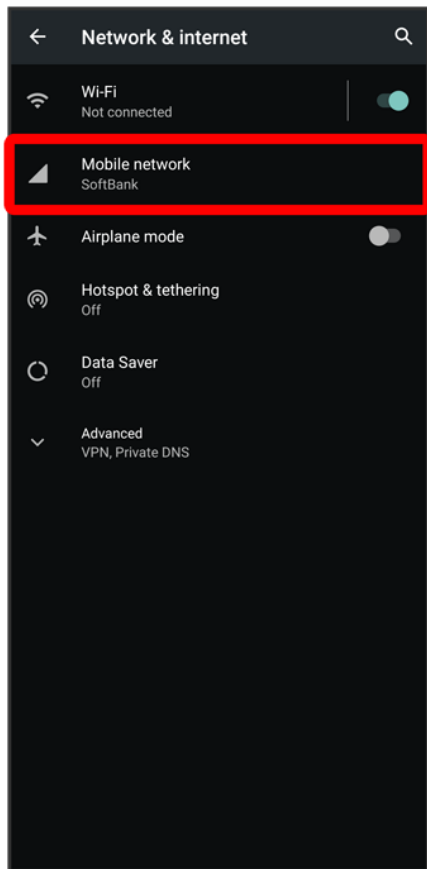


2

---

## Mobile network

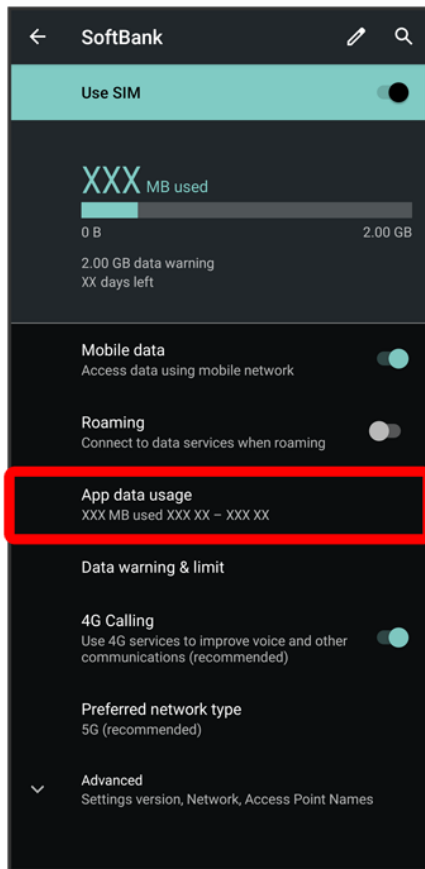




3

## App data usage





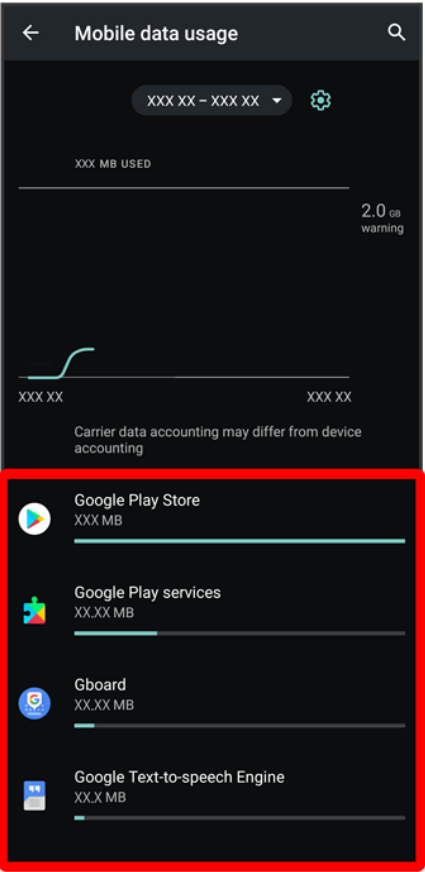
 Mobile data usage window opens.

4

---

Tap application name

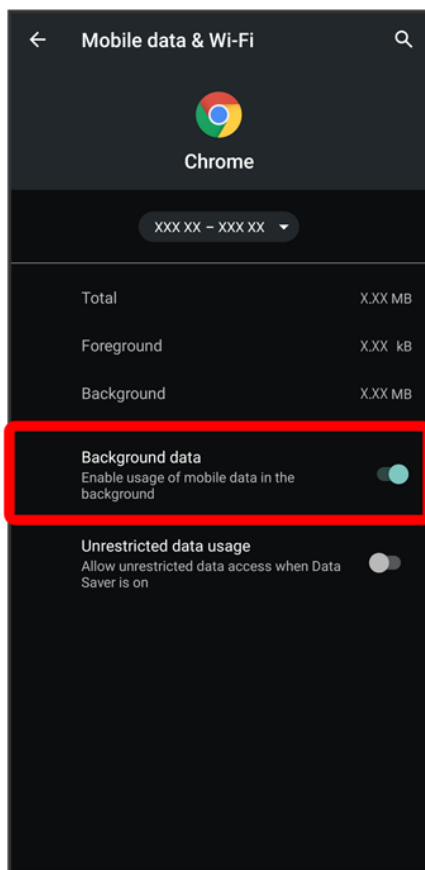




5

Background data (  )





Restriction on background data is set.

- Tap **Background data** to toggle on (🔴)/off (⚪).



# Battery Settings

Check battery usage, or save battery power by restricting some handset features.

↓ [Battery Settings](#)

↓ [Using Battery Saver](#)

## Battery Settings

Settable items are the following.



Item	Description
XX%	Check battery strength, condition, etc.
Battery Saver	Save battery power by restricting some handset features.
Adaptive Battery	Set whether to limit battery usage of seldom-used applications.
Intelligent charging	Enable smart charging and charging adapts to handset and ambient temperature for smooth, long-life operation. Also set whether to stop charging when battery level reaches about 90% and change to direct charging, and whether to charge only when Display is off (screen lock) and change to direct charging when Display turns on.
Battery percentage	Set whether to show battery strength in percent beside battery indicator on Status Bar.
Last full charge	Check time elapsed since last full charge.
Screen usage since full charge	Check screen battery usage since full charge.

### Battery Operations

#### Checking Battery Usage

In Home Screen,  (Settings) → **Battery** →  → **Battery usage**

#### Checking Battery Usage for Each Application

In Home Screen,  (Settings) → **Battery** →  → **Battery usage** → Tap application name

#### Setting Whether to Limit Battery Usage of Seldom-Used Applications

In Home Screen,  (Settings) → **Battery** → **Adaptive Battery** → **Use Adaptive Battery**  
■ Tap **Use Adaptive Battery** to toggle on () / off ().



### Setting Whether to Stop Charging when Battery Level Reaches about 90% and Change to Direct Charging

In Home Screen, ⚙️ (Settings) ➔ Battery ➔ Intelligent charging ➔ Change maximum charge

- Tap Change maximum charge to toggle on (🟢)/off (🔴).
- During direct charging, charging of Battery stops, and power is supplied directly to handset from AC adaptor. Use handset as usual while using direct charging.

### Setting Whether to Charge Only when Display Is Off (Screen Lock) and Change to Direct Charging when Display Turns On

In Home Screen, ⚙️ (Settings) ➔ Battery ➔ Intelligent charging ➔ Charge only when screen is off

- Tap Charge only when screen is off to toggle on (🟢)/off (🔴).

### Checking Battery Health

In Home Screen, ⚙️ (Settings) ➔ Battery ➔ Intelligent charging ➔ Battery Health

### Setting Whether to Show Battery Strength in Percent beside Battery Indicator on Status Bar

In Home Screen, ⚙️ (Settings) ➔ Battery ➔ Battery percentage

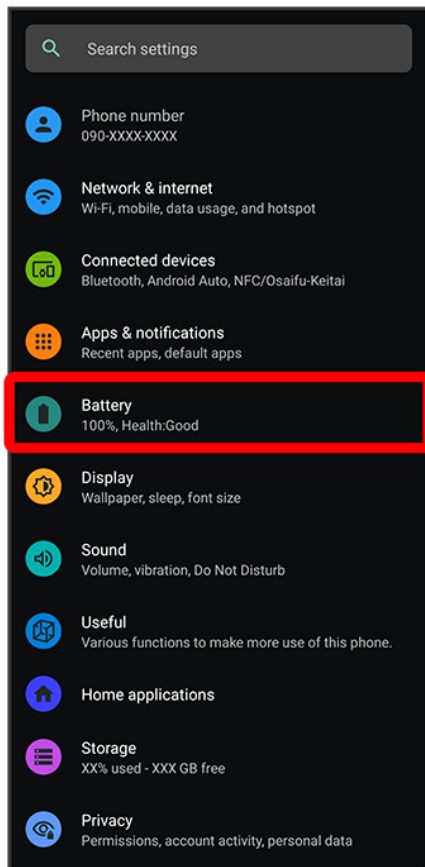
- Tap Battery percentage to toggle on (🟢)/off (🔴).

## Using Battery Saver

1

In Home Screen, ⚙️ (Settings) ➔ Battery



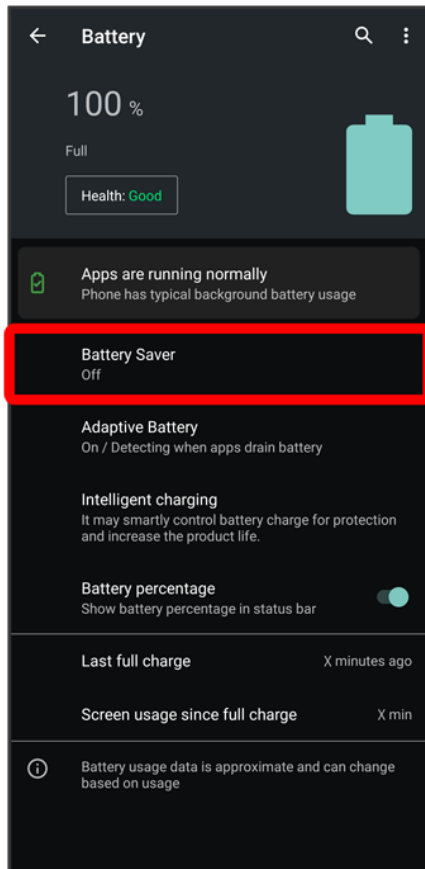



 Battery opens.

2

Battery Saver



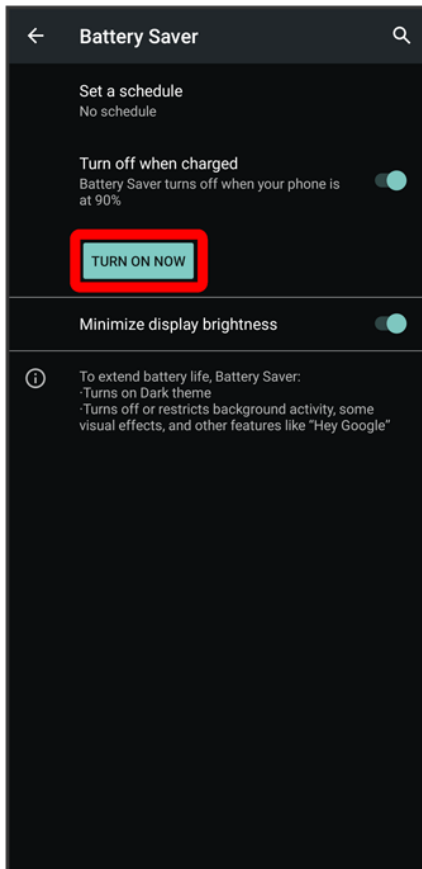


 Battery Saver menu appears.

3

TURN ON NOW





🚩 Setting is complete.

- To disable Battery Saver, Tap **TURN OFF NOW**.
- The setting switches to **TURN ON NOW** when charging starts, and Battery Saver is automatically disabled.

## **Battery Saver Operations**

### **Enabling Battery Saver Automatically when Battery Level Falls to Specified Level**

In Battery Saver menu, Tap **Set a schedule** ➡ **Based on percentage** ➡ Drag bar to adjust battery level

- To cancel the setting, Tap **No schedule**.

### **Setting Whether to Automatically Disable Battery Saver when Battery Level is 90%**

In Battery Saver menu, Tap **Turn off when charged**

- Tap **Turn off when charged** to toggle on (  )/off (  ).

### **Setting Whether to Minimize Display Brightness**

In Battery Saver menu, Tap **Minimize display brightness**

- Tap **Minimize display brightness** to toggle on (  )/off (  ).



# Display Settings

Set Display brightness, wallpaper, etc.

- ↓ Display Settings
- ↓ Setting Display Timeout
- ↓ Setting Font Size
- ↓ Setting Size of Images and Icons

## Display Settings

Settable items are the following.

Item	Description
Brightness level	Set Display brightness.
Adaptive brightness	Set whether to automatically adjust of Display brightness for surroundings.
Dark theme	Set whether to enable Dark theme and time for using Dark theme.
Screen timeout (Sleep)	Set a period of inactivity after which Display turns off automatically.
Bright Keep	Set whether to keep Display from turning off while handset is held.
Advanced	Make settings for Wallpaper, Font Settings, High-speed display, etc. See "High-Speed Display Settings" for details on High-speed display.

### + Display Operations

#### Setting Display Brightness

In Home Screen, ⚙ (Settings) ➔ Display ➔ Brightness level ➔ Drag bar to adjust brightness

#### Setting Whether to Automatically Adjust Display Brightness for Surroundings

In Home Screen, ⚙ (Settings) ➔ Display ➔ Adaptive brightness ➔ Adaptive brightness

- Tap Adaptive brightness to toggle on (🟢)/off (⚪).





#### Setting Whether to Enable Dark Theme

In Home Screen, ⚙ (Settings) ➔ Display ➔ 🟢/⚪ for "Dark theme"

- Tap to toggle on (🟢)/off (⚪).








### Setting Time for Dark Theme

In Home Screen,  (Settings)  Display  Dark theme  Schedule  Turns on at custom time  Start time  Specify time  OK  End time  Specify time  OK







- Tap Turns on from sunset to sunrise to enable Dark Theme from nightfall until morning.

### Setting Whether to Keep Display On while Holding Handset









In Home Screen,  (Settings)  Display  Bright Keep

- Tap Bright Keep to toggle on () / off () .
- Hand-held state is determined from handset angle and Proximity/Light Sensor; usage status may affect determination of hand-held state.








### Setting Image in Internal Storage or on SD Card as Wallpaper for Home Screen and Lock Screen

In Home Screen,  (Settings)  Display  Advanced  Wallpaper  Tap application name (Photos etc.)  Follow onscreen prompts

### Setting Preloaded Image as Wallpaper for Home Screen and Lock Screen

In Home Screen,  (Settings)  Display  Advanced  Wallpaper  Preset wallpaper  Select Wallpaper  SET TO WALLPAPER  Home screen / Lock screen / Home screen and lock screen



### Setting Text Font

In Home Screen,  (Settings)  Display  Advanced  Font Settings  Text font  Tap font  APPLY AFTER REBOOT

- Tap SEARCH DOWNLOAD FONT to search for fonts on Google Play.
- Depending on the application, changing the font may prevent text from being shown correctly. Reset to the preset font.

### Setting Whether to Show Content Beside Front Camera



In Home Screen,  (Settings)  Display  Advanced  Content display settings

- Tap Content display settings to toggle on () / off () .






### Setting Whether to Hide Navigation Bar for Wider Screen

Flick bottom of Display up for Navigation Bar when hidden.

In Home Screen,  (Settings)  Display  Advanced  Hide navigation bar

- Tap Hide navigation bar to toggle on () / off () .
- Available when 3-button navigation is enabled.
- If confirmation appears, follow onscreen prompts.






### Enabling RelaxView for Eye-friendly Image Quality

In Home Screen,  (Settings)  Display  Advanced  Relax View  TURN ON NOW















- To disable RelaxView, Tap **TURN OFF NOW**.

### Setting Brightness for RelaxView

In Home Screen,  (Settings)  **Display**  **Advanced**  **Relax View**  Drag "Intensity" slider to adjust

- Available when RelaxView is enabled.



### Setting Time for RelaxView

In Home Screen,  (Settings)  **Display**  **Advanced**  **Relax View**  **Schedule**   
**Turns on at custom time**  **Start time**  **Specify time**  **OK**  **End time**  **Specify time**  **OK**

- Tap **Turns on from sunset to sunrise** to enable RelaxView from nightfall until morning.

### Setting Whether Screen is Easier to See in Bright Sunlight

In Home Screen,  (Settings)  **Display**  **Advanced**  **Outdoor view**







- Tap **Outdoor view** to toggle on (  )/off (  ).


### Setting Whether Display Colors Still Appear Natural under Warm-Color Lighting

In Home Screen,  (Settings)  **Display**  **Advanced**  **Smart color matching**







- Tap **Smart color matching** to toggle on (  )/off (  ).

### Setting Screen Saver Images and Display Options







In Home Screen,  (Settings)  **Display**  **Advanced**  **Screen saver**  **Current screen saver**  **Clock/Colors/Photos**

- After Tapping **Clock/Photos**, next Tap  for "Current screen saver" and follow onscreen prompts.
- To check set screen saver, Tap **START NOW**. Check when **When to start** is setting other than **Never**.

### Setting Timing for Activating Screen Saver

In Home Screen,  (Settings)  **Display**  **Advanced**  **Screen saver**  **When to start**  Tap item

### Setting Whether to Show Notifications in Lock Screen

In Home Screen,  (Settings)  **Display**  **Advanced**  **Lock screen display**  **Lock screen**  **Show all notification content/Show sensitive content only when unlocked/Don't show notifications at all**



- **Show sensitive content only when unlocked** appears when unlock method is setting other than **None** or **Swipe**.

### Setting Whether to Hide Notification Viewed in Lock Screen so New Notifications Are Easier to View








In Home Screen,  (Settings)  **Display**  **Advanced**  **Lock screen display** 



### Organize notifications on the lock screen






- Tap **Organize notifications on the lock screen** to toggle on (  )/off (  ).
- Notifications that cannot be deleted still appear even when **Organize notifications on the lock screen** is on.
- Notification Indicators on Status Bar are not hidden.



### Showing Text in Lock Screen

In Home Screen,  (Settings)  **Display**  **Advanced**  **Lock screen display**  **Lock screen message**  Enter message  **SAVE**

- Set when unlock method is setting other than **None**.

### Setting Whether to Show Menu for Activating Lockdown

In Home Screen,  (Settings)  **Display**  **Advanced**  **Lock screen display**  **Show lockdown option**






- Tap **Show lockdown option** to toggle on (  )/off (  ).
- Set when unlock method is setting other than **None** or **Swipe**.



### Using Lockdown

Use Lockdown to disable screen unlocking by Smart Lock, face authentication, or fingerprint authentication. Notifications no longer appear in lock screen.







Power Key (Long Press)  **Lockdown**



### Setting Whether Clock and Notification Indicators Appear after Set Time while Display Is Turned Off (Screen Lock)

In Home Screen,  (Settings)  **Display**  **Advanced**  **Lock screen display**  **Clock display ON**






- Tap **Clock display ON** to toggle on (  )/off (  ).



### Setting Whether Lock Screen Appears by Tapping Screen Twice while Display Is Turned Off (Screen Lock)

In Home Screen,  (Settings)  **Display**  **Advanced**  **Lock screen display**  **Doubletap display to show lock screen**  **Doubletap display to show lock screen**

- Tap **Doubletap display to show lock screen** to toggle on (  )/off (  ).

### Setting Whether Holding Finger to Fingerprint Sensor Unlocks Screen while Screen Is Turned Off (Screen Lock)

In Home Screen,  (Settings)  **Display**  **Advanced**  **Lock screen display**  **Unlock even when the screen is OFF**

- Tap **Unlock even when the screen is OFF** to toggle on (  )/off (  ).
- Settable when **Two-finger authentication** is **Use one-finger authentication for unlock only**.
- Save your fingerprint beforehand.



### Setting Whether Screen Stays Locked when Notifications Arrive

In Home Screen, ⚙️ (Settings) ➔ Display ➔ Advanced ➔ Lock screen display ➔ New notifications

- Tap **New notifications** to toggle on (🟢)/off (⚪).

### Setting Image Quality

In Home Screen, ⚙️ (Settings) ➔ Display ➔ Advanced ➔ Basic settings ➔ Recommended/Standard quality/Dynamic/Natural

### Setting HDR Video Quality

In Home Screen, ⚙️ (Settings) ➔ Display ➔ Advanced ➔ HDR video ➔ HDR standard/HDR dynamic/HDR cinema

### Setting Whether to Use HDR Video-like Rendering for Standard Video

In Home Screen, ⚙️ (Settings) ➔ Display ➔ Advanced ➔ Virtual HDR

- Tap **Virtual HDR** to toggle on (🟢)/off (⚪).

### Setting Whether to Enable Hakkiri View, More Suitable Resolution for Middle-Age/Senior Users

In Home Screen, ⚙️ (Settings) ➔ Display ➔ Advanced ➔ Hakkiri View

- Tap **Hakkiri View** to toggle on (🟢)/off (⚪).

### Setting Whether to Rotate Display with Handset Orientation Automatically

In Home Screen, ⚙️ (Settings) ➔ Display ➔ Advanced ➔ Auto-rotate screen

- Tap **Auto-rotate screen** to toggle on (🟢)/off (⚪).
- Disable **Auto-rotate screen** to save battery power.
- The feature may not follow the setting with certain applications.

### Setting Whether to Enable Touch Operation Even with Gloves On

In Home Screen, ⚙️ (Settings) ➔ Display ➔ Advanced ➔ glove mode

- Tap **glove mode** to toggle on (🟢)/off (⚪).

### ! Glove Mode Cautions

Observe the following when using glove mode.

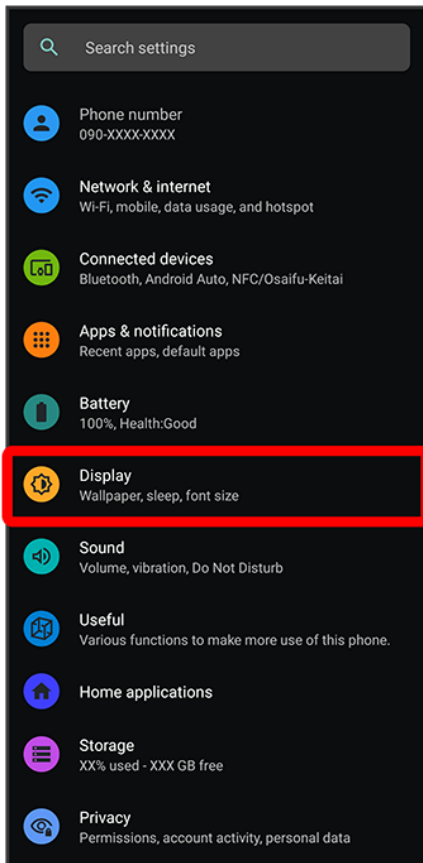
- Touch operation may not be possible depending on materials of your gloves.
- Disable **glove mode** (⚪) when not wearing gloves or when using handset in a bathroom.



# Setting Display Timeout

1

In Home Screen,  (Settings)  **Display**

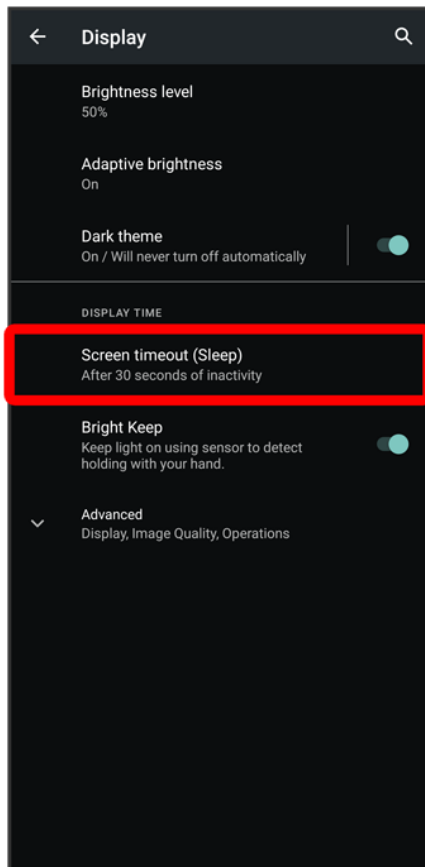


Display menu opens.

2

**Screen timeout (Sleep)**

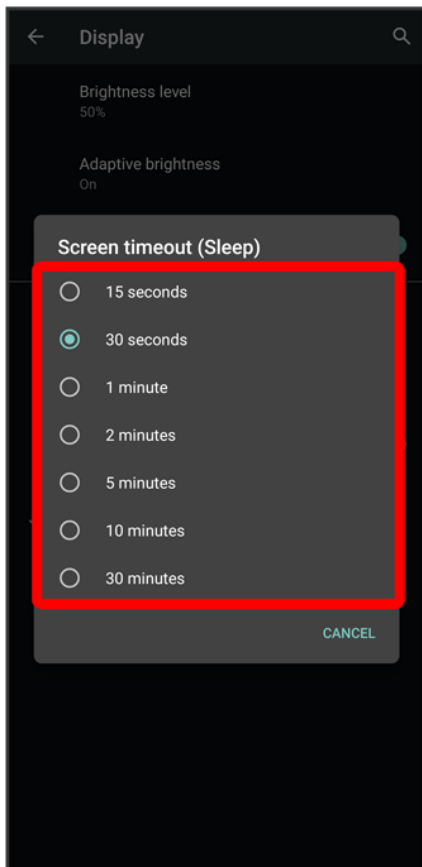




3

Tap time






 Set time until Display goes out.

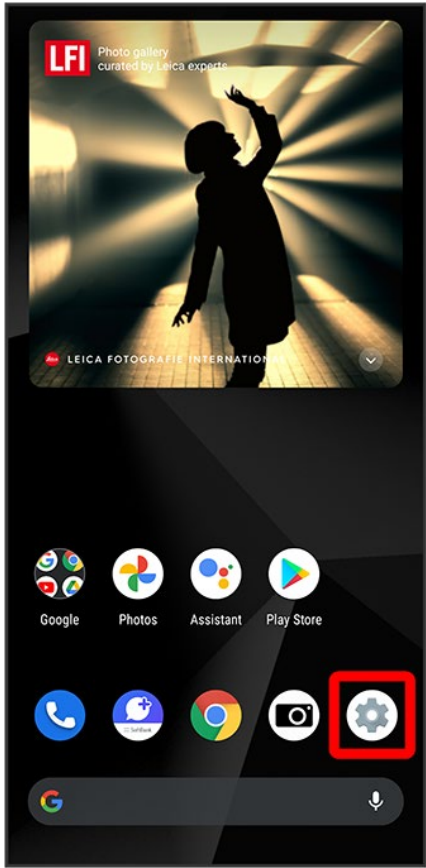
- Set a shorter time to save battery power.

## Setting Font Size

1

In Home Screen,  (Settings)

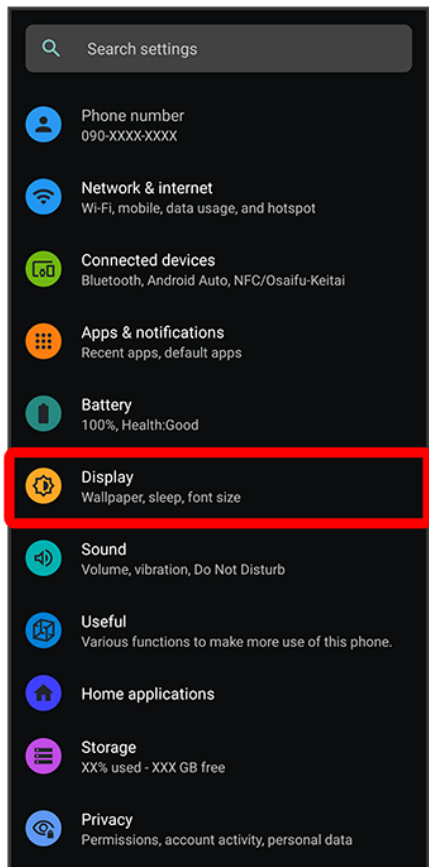





2

Display



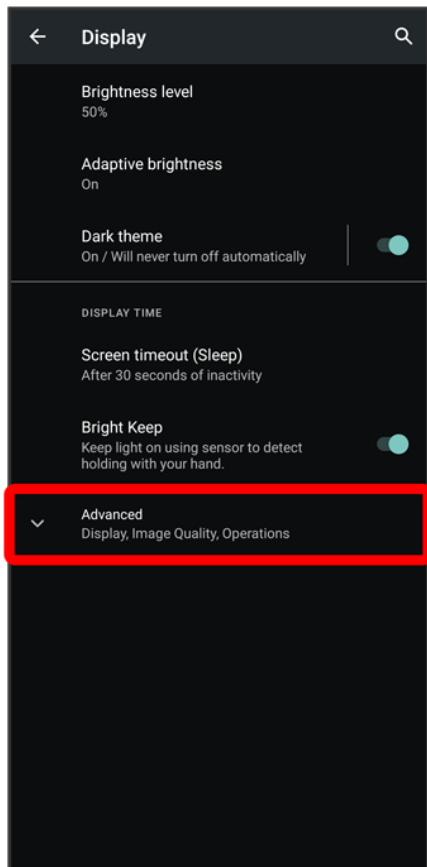


 Display menu opens.

3

Advanced

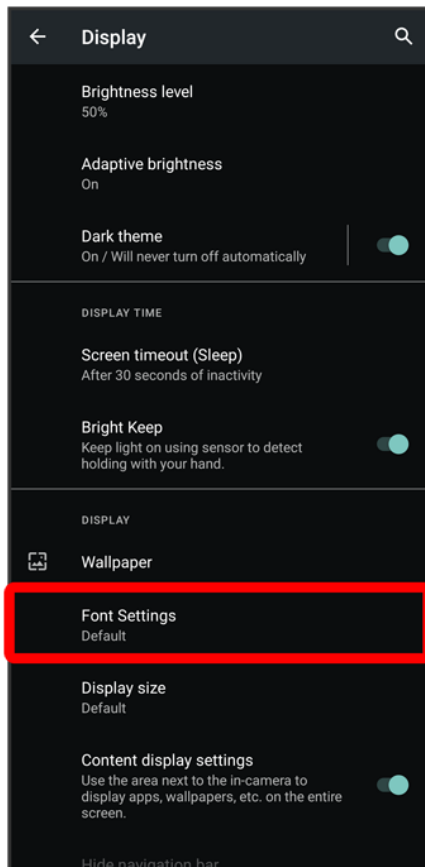




4

## Font Settings

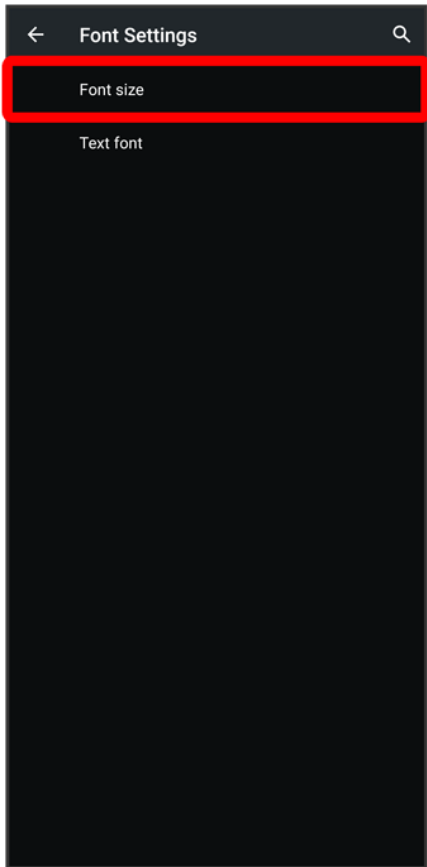




5

Font size

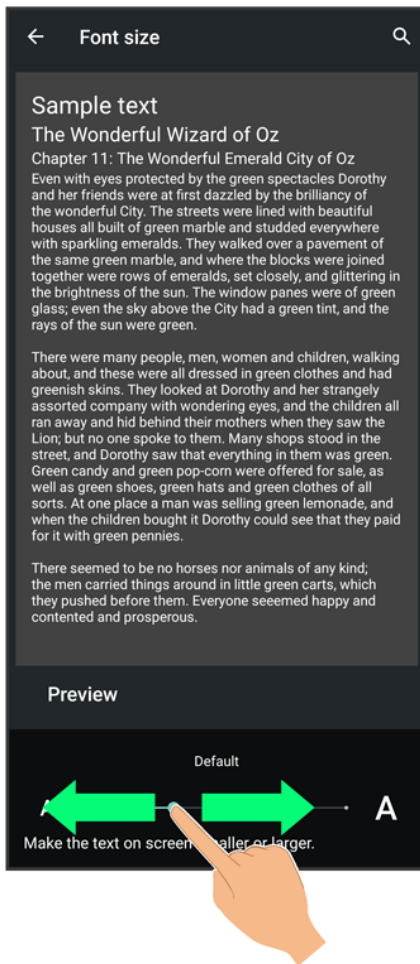




6

Drag ● left/right






Font size is changed.

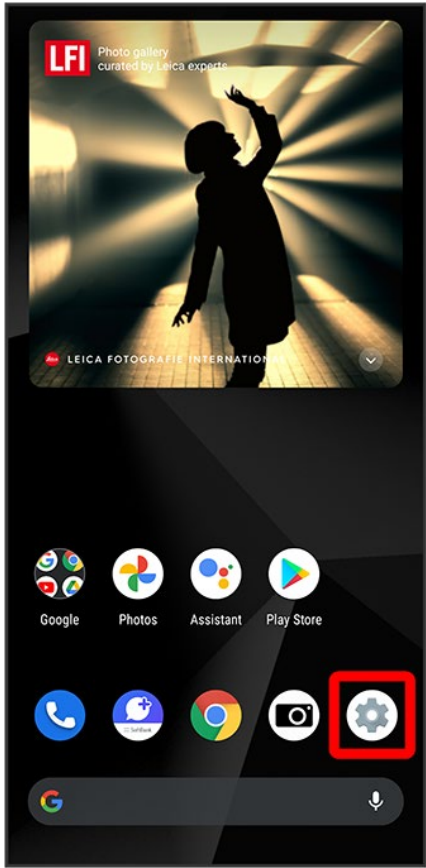
- Check the set font size in Preview.

## Setting Size of Images and Icons

1

In Home Screen,  (Settings)

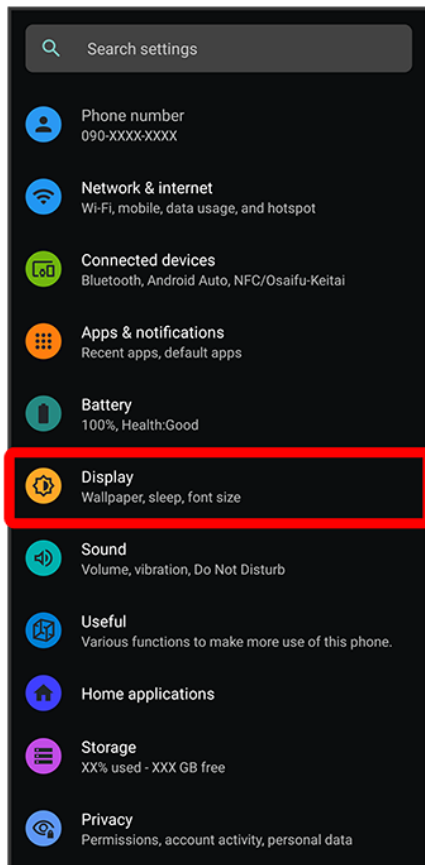





2

Display



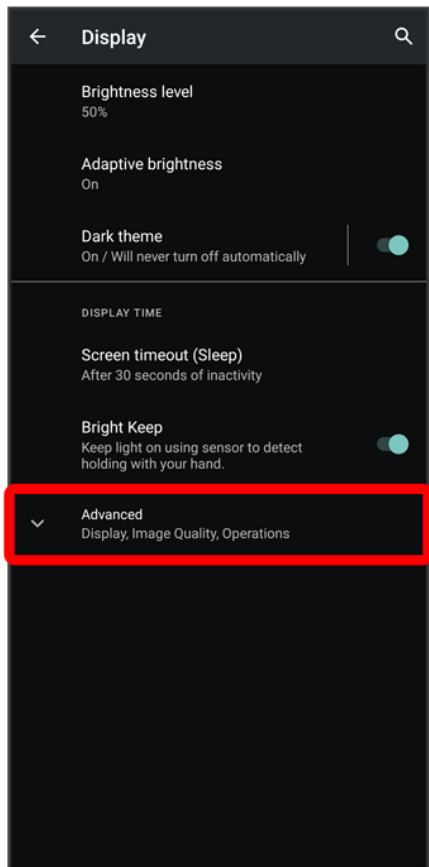


 Display menu opens.

3

Advanced

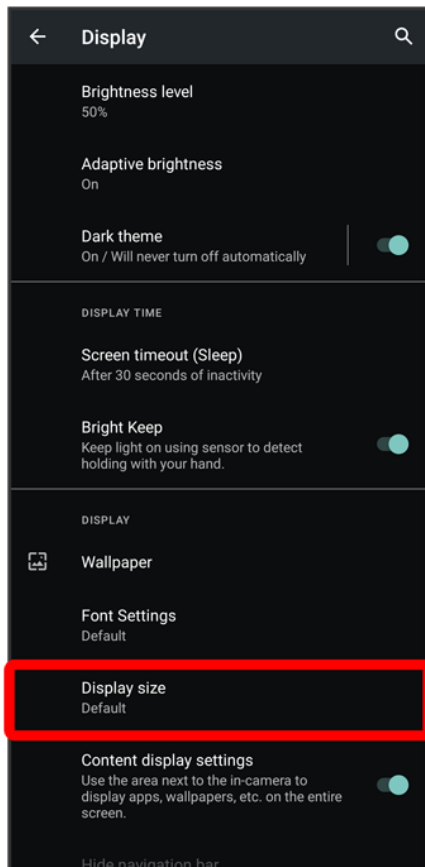




4

Display size





5

Drag  left/right



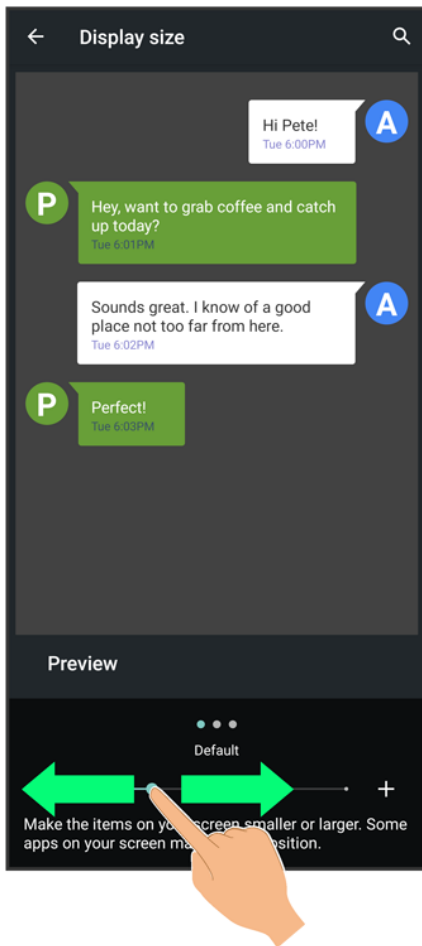


Image and icon sizes are changed.

- The feature may not follow the setting with certain applications.
- Check the set display size in Preview.



# Sound Settings

Set ringtone, notification sound, etc.

- ↓ Sound Settings
- ↓ Setting Ringtones
- ↓ Setting Volume for Ringtones for Incoming Calls and Notifications
- ↓ Setting Volume of Music and Videos
- ↓ Setting Alarm Volume
- ↓ Setting Vibration for Incoming Calls

## Sound Settings



Settable items are the following.

Item	Description
Media volume	Set volume for music, videos, etc.
Call volume	Set volume for calls.
Ring & notification volume	Set ringtones for incoming calls, etc. and volume for notifications.
Alarm volume	Set volume for Alarm.
Vibrate for calls	Make vibration settings for incoming calls.
Do Not Disturb	Make detailed Manner mode settings.
Live Caption	Set whether to show captions for dialog in media, etc.
Media <sup>1</sup>	Set whether to hide controller shown in Quick Settings after deleting controller in Notifications Window.
Prevent ringing	Set whether Manner mode is activated by Pressing Power Key and Volume Up Key, etc.
Advanced	Make settings for default notification ringtone or alarm ringtone, and other sounds and vibrations.

<sup>1</sup> Uses only for compatible applications.


### + Sound Operations

#### Setting Volume for Calls

In Home Screen,  (Settings)  Sound  Drag "Call volume" bar to adjust  
■ Sound plays at set volume when releasing finger from .









## Activating/Canceling Do Not Disturb

In Home Screen,  (Settings)  Sound  Do Not Disturb  **TURN ON NOW**/**TURN OFF NOW**

## Setting Action for Conversations, Calls, and Messages When Do Not Disturb Is Set






In Home Screen,  (Settings)  Sound  Do Not Disturb  People  Set each item



## Making Application Interruption Settings

In Home Screen,  (Settings)  Sound  Do Not Disturb  Apps  Add apps   
Follow onscreen prompts







## Setting Whether to Allow Alarm/Media Sounds/Touch







### Sounds/Reminders/Calendar events when Do Not Disturb is Set

In Home Screen,  (Settings)  Sound  Do Not Disturb  Alarms & other interruptions  Alarms/Media sounds/Touch sounds/Reminders/Calendar events







- Tap Alarms/Media sounds/Touch sounds/Reminders/Calendar events to toggle on ()off ()


## Setting Specific Hours or Events to Activate Do Not Disturb

In Home Screen,  (Settings)  Sound  Do Not Disturb  Schedules  Sleeping/Event  Set each item






- To add an item, Tap Add more.
- Tap an item to toggle on ()off ()
- Tap  on right of item to edit item.
- Tap  on right of item  **DELETE**  **DELETE** to delete item.

## Setting Period until Do Not Disturb Is Canceled

In Home Screen,  (Settings)  Sound  Do Not Disturb  Duration for Quick Settings  Until you turn off/For 1 hour/Ask every time  OK

- In For 1 hour, Tap /+ to change time until Do Not Disturb is canceled.



## Setting Notification Action when Do Not Disturb Is Set

In Home Screen,  (Settings)  Sound  Do Not Disturb  Display options for hidden notifications  No sound from notifications/No visuals or sound from notifications/Custom

- After Tapping Custom, follow onscreen prompts.




## Setting Whether to Show Captions Automatically when Playing Media



In Home Screen,  (Settings)  Sound  Live Caption  Live Caption

- Tap Live Caption to toggle on ()off ()
- If confirmation appears, follow onscreen prompts.



### Setting Whether Profanity Shown as Asterisks

In Home Screen,  (Settings)  Sound  Live Caption  Hide profanity





- Tap **Hide profanity** to toggle on () / off ()


### Setting Whether Laughter, Applause, Music, Etc. Captioned with Sound Labels

In Home Screen,  (Settings)  Sound  Live Caption  Show sound labels





- Tap **Show sound labels** to toggle on () / off ()

### Setting Whether to Enable Live Captioning by Using Volume Key

In Home Screen,  (Settings)  Sound  Live Caption  Live Caption in volume control


- Tap **Live Caption in volume control** to toggle on () / off ()

### Setting Whether to Hide Controller Shown in Quick Settings after Deleting Controller in Notifications Window

In Home Screen,  (Settings)  Sound  Media  Hide player when the media session has ended



- Tap **Hide player when the media session has ended** to toggle on () / off ()

### Setting Whether Manner Mode Is Activated by Pressing Power Key and Volume Up Key

In Home Screen,  (Settings)  Sound  Prevent ringing  Off  On




- Tap **Off** () to toggle **On** () , **On** () to toggle **Off** ()

### Setting Manner Mode That Is Activated by Pressing Power Key and Volume Up Key

In Home Screen,  (Settings)  Sound  Prevent ringing  Vibrate/Mute






- Available when "Prevent ringing" is On.

### Setting Sound for Notifications

In Home Screen,  (Settings)  Sound  Advanced  Default notification sound 





Follow onscreen prompts



### Setting Default Alarm Sound

In Home Screen,  (Settings)  Sound  Advanced  Default alarm sound 

Follow onscreen prompts





### Setting Whether Dialpad Tones Sound



In Home Screen,  (Settings)  Sound  Advanced  Dial pad tones

- Tap **Dial pad tones** to toggle on () / off ()
- Disable **Dial pad tones** to save battery power.





### Setting Whether Tone Sounds when Locking/Unlocking Screen





In Home Screen,  (Settings)  Sound  Advanced  Screen locking sound





- Tap **Screen locking sound** to toggle on ()/off ().
- Disable **Screen locking sound** to save battery power.



### Setting Whether Tone Sounds and Handset Vibrates when Starting Charging

In Home Screen,  (Settings)  Sound  Advanced  Charging sounds and vibration





- Tap **Charging sounds and vibration** to toggle on ()/off ().
- Disable **Charging sounds and vibration** to save battery power.



### Setting Whether Confirmation Tones Sound when Tapping a Menu, Etc.

In Home Screen,  (Settings)  Sound  Advanced  Touch sounds

- Tap **Touch sounds** to toggle on ()/off ().
- Disable **Touch sounds** to save battery power.


### Setting Whether Handset Vibrates when Tapping Dialpad, Keyboard, Etc.

In Home Screen,  (Settings)  Sound  Advanced  Touch vibration

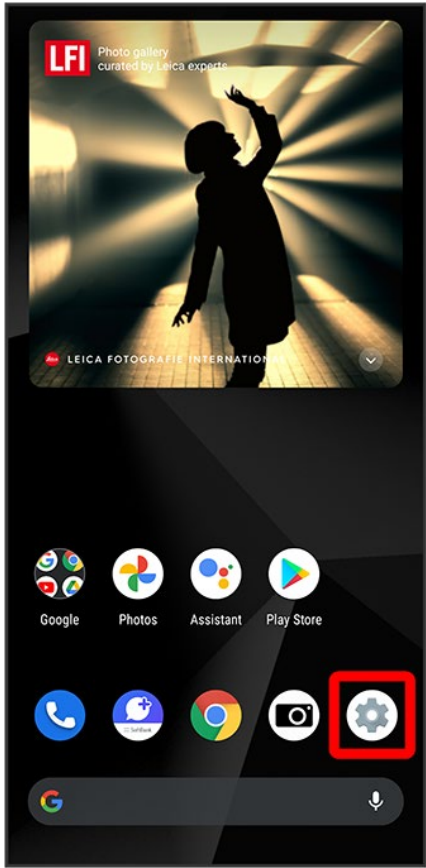
- Tap **Touch vibration** to toggle on ()/off ().
- Disable **Touch vibration** to save battery power.

## Setting Ringtones

1

In Home Screen,  (Settings)

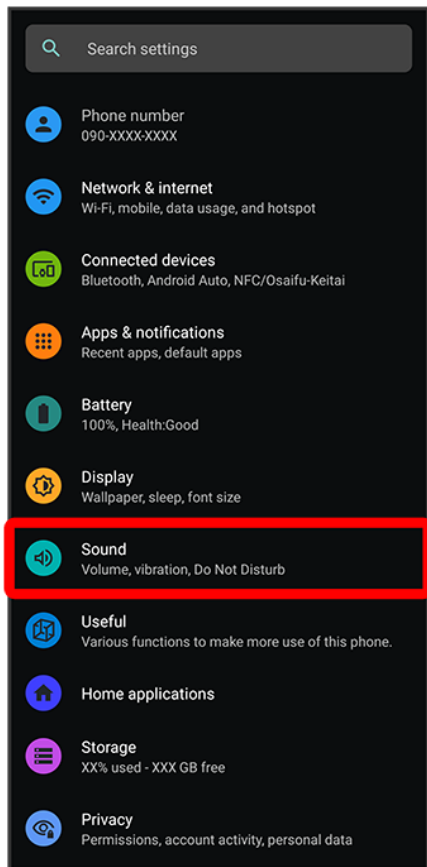





2

Sound



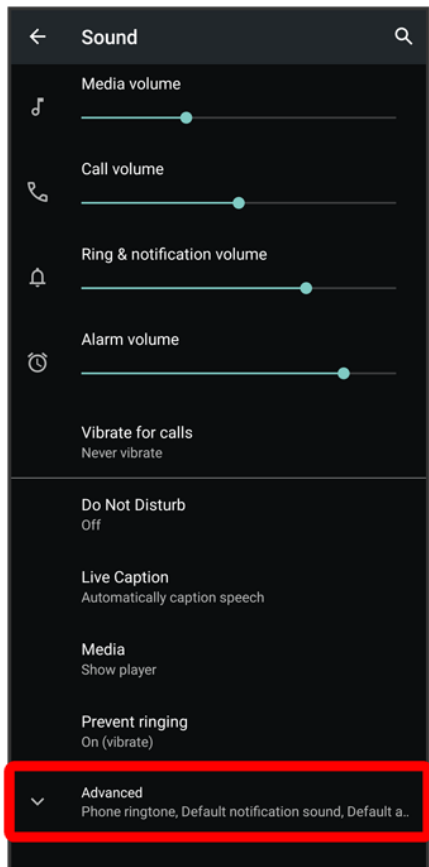


 Sound menu opens.

3

Advanced

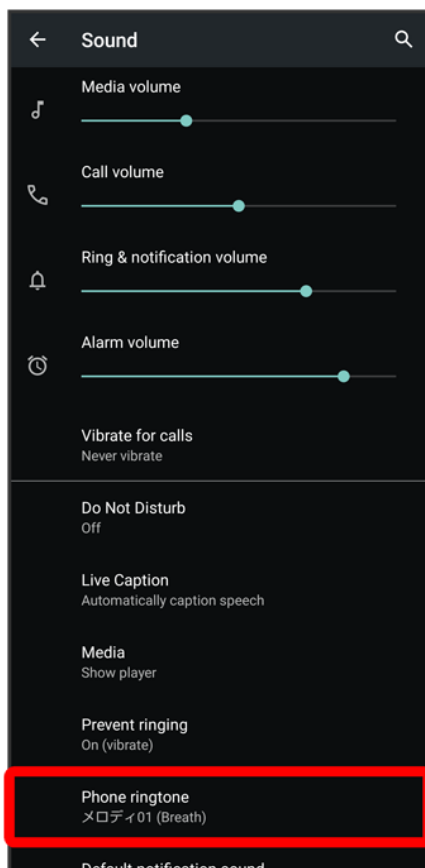




4

## Phone ringtone

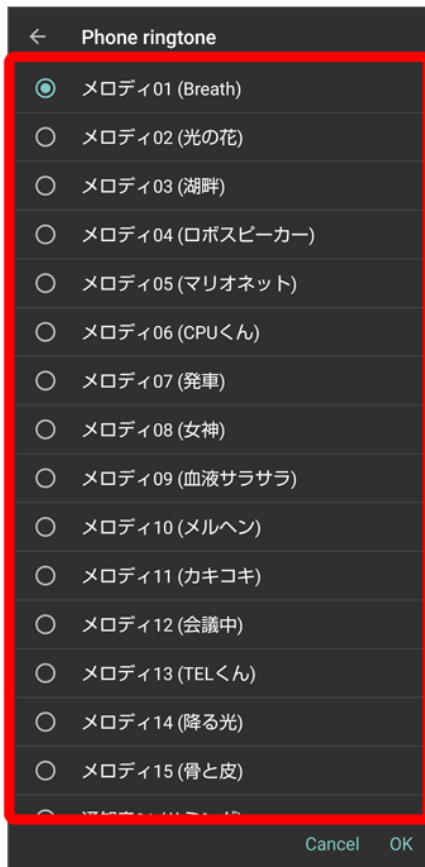




5

Tap ringtone



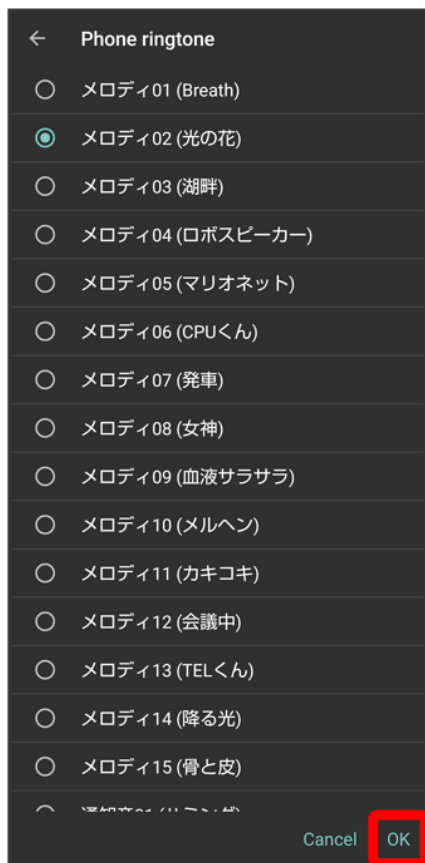



 Ringtone plays.

6

OK






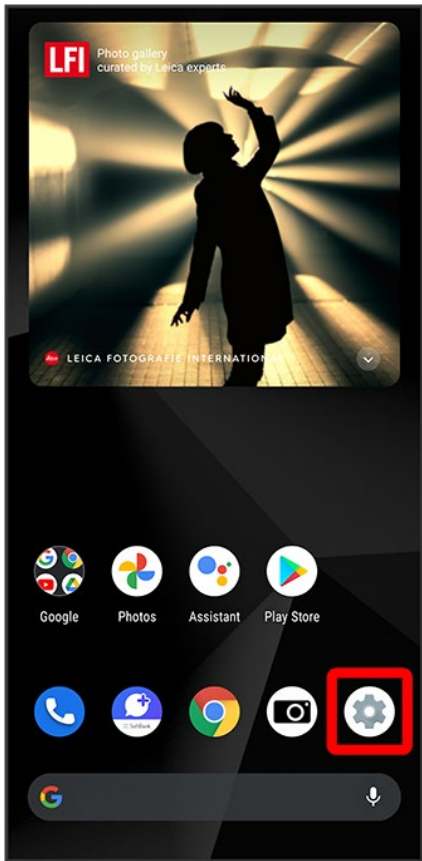
 Setting is complete.

## Setting Volume for Ringtones for Incoming Calls and Notifications

1

In Home Screen,  (Settings)

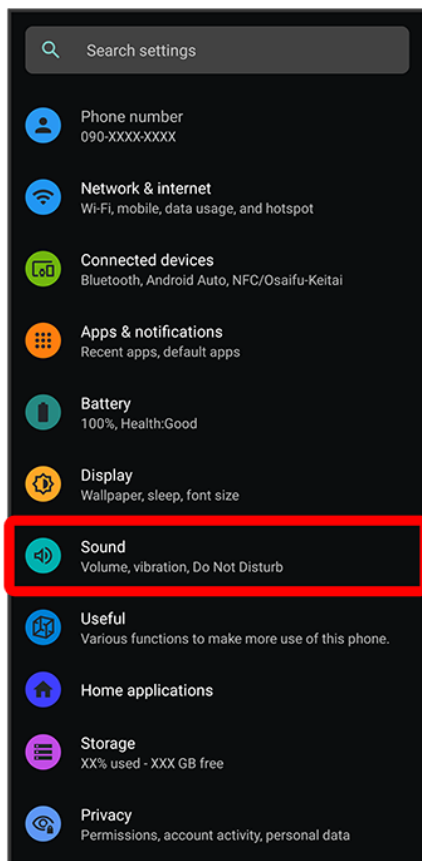





2

Sound



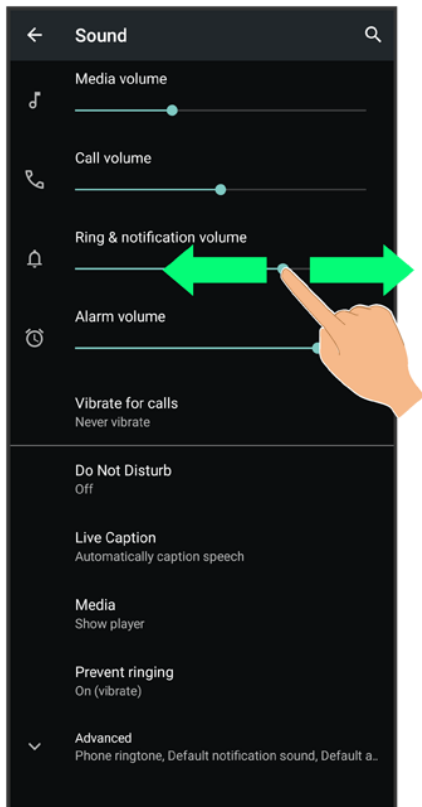



 Sound menu opens.

3

Drag "Ring & notification volume"  left/right






 Ringtone plays to check volume.

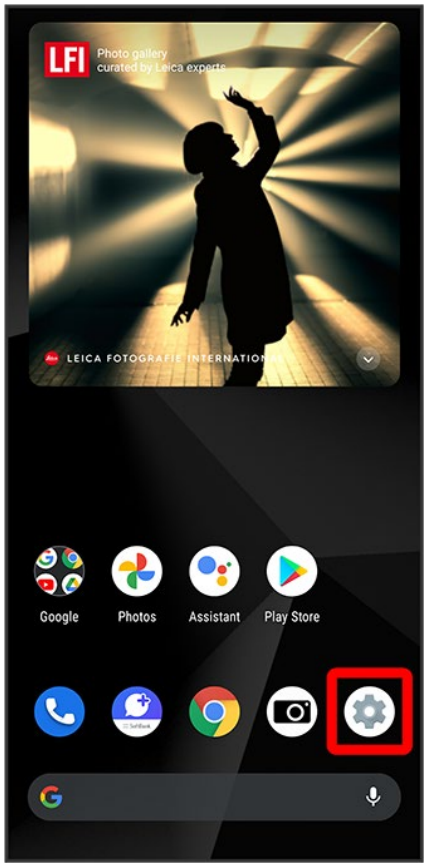
- Drag  right to increase volume, and left to decrease volume.

## Setting Volume of Music and Videos

1

In Home Screen,  (Settings)

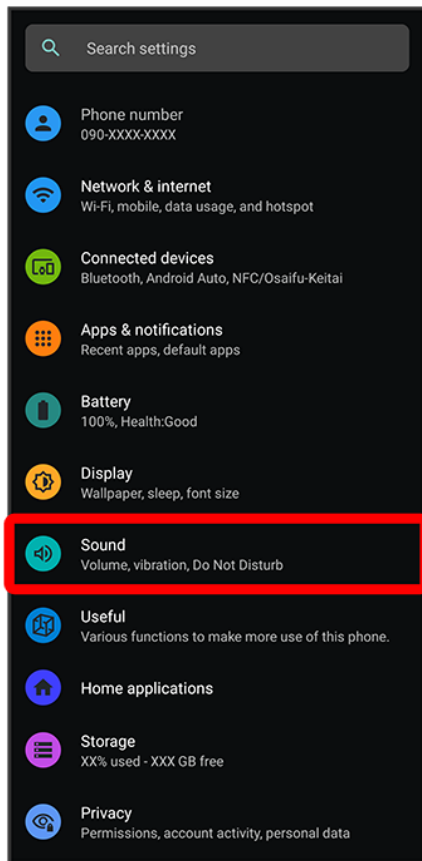




2

Sound



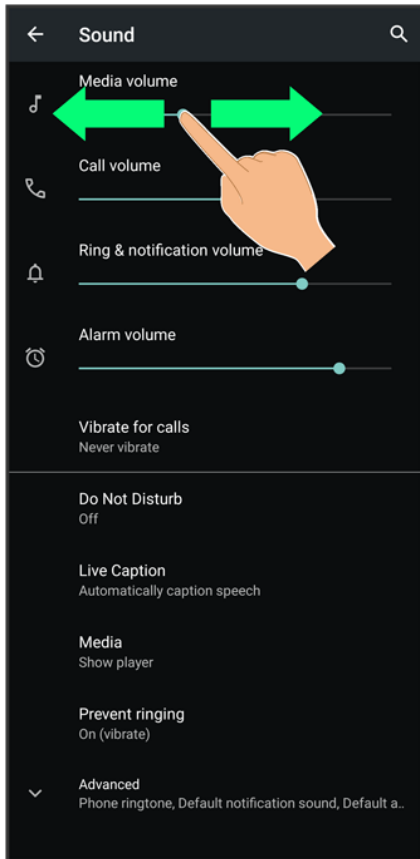



 Sound menu opens.

3

Drag "Media volume"  left/right






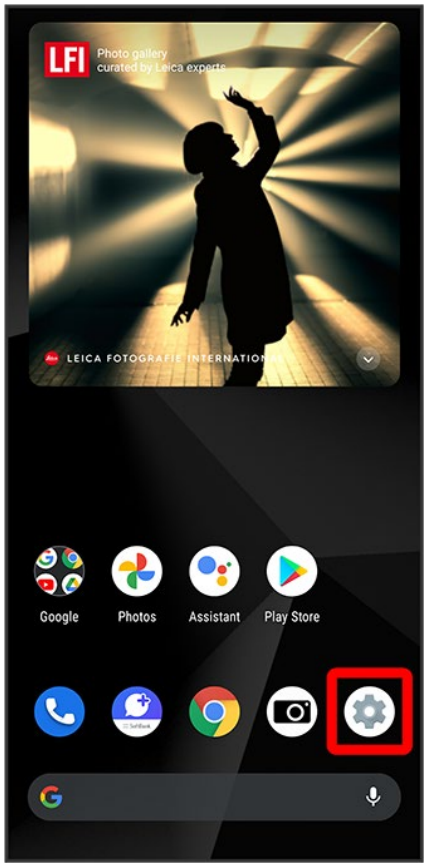
 Sample sound plays.

## Setting Alarm Volume

1

In Home Screen,  (Settings)

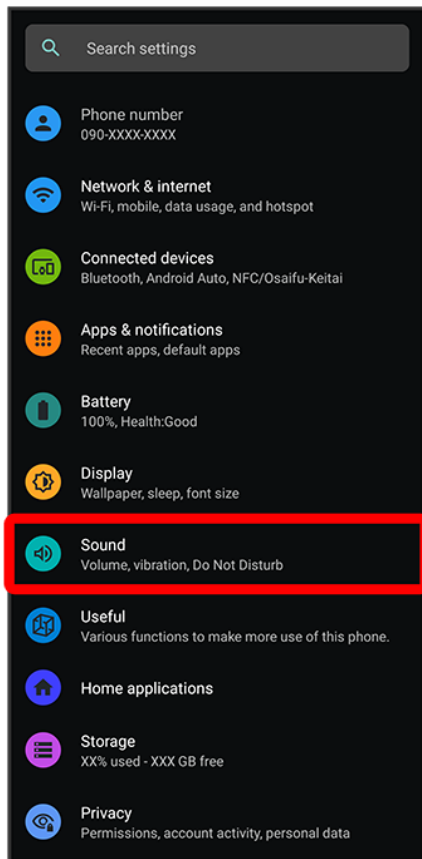





2

Sound



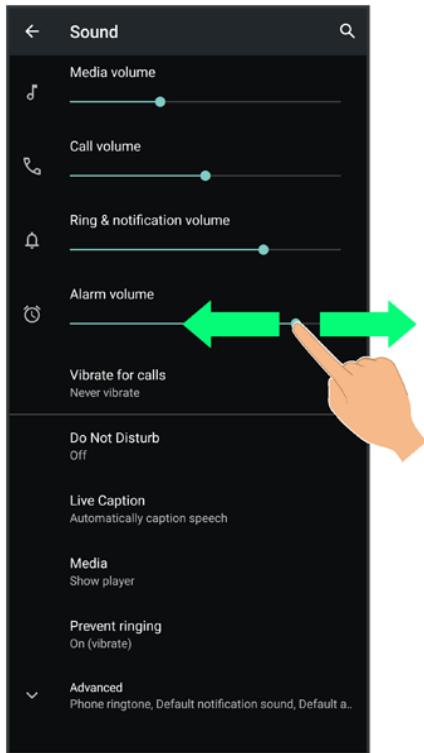



 Sound menu opens.

**3**

Drag "Alarm volume"  left/right






 Alarm sound plays.

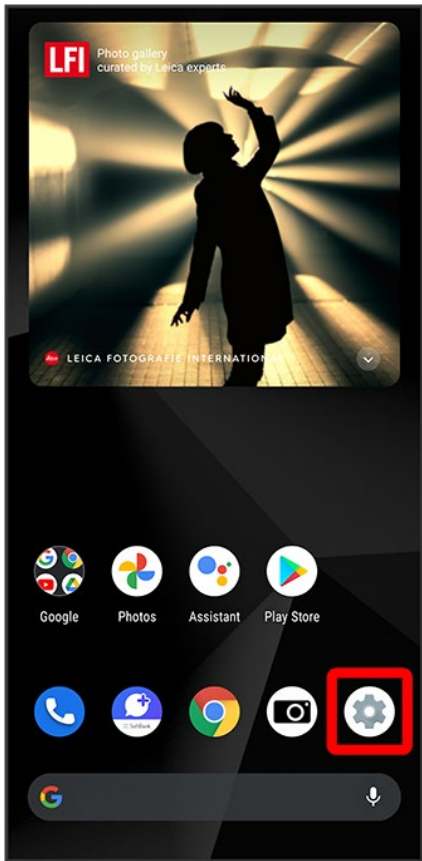
## Setting Vibration for Incoming Calls

Make vibration settings for incoming calls.

1

In Home Screen,  (Settings)

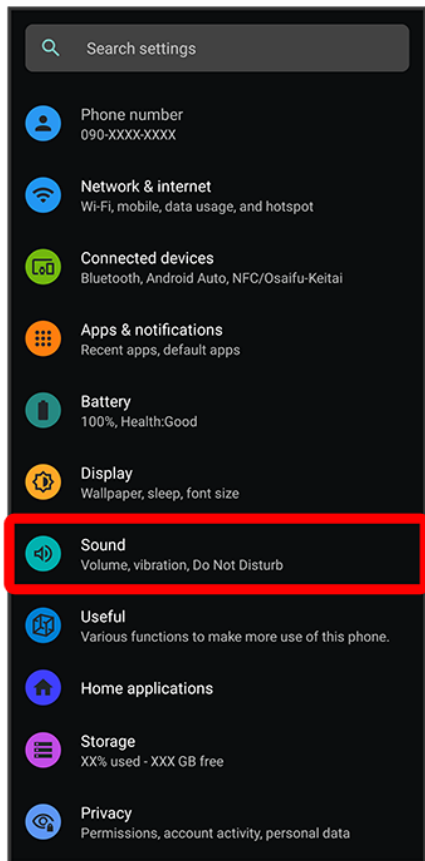




2

Sound

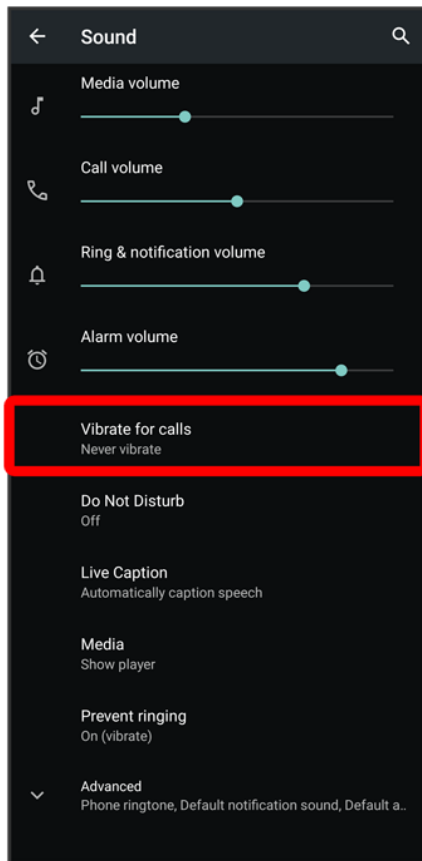




3

## Vibrate for calls

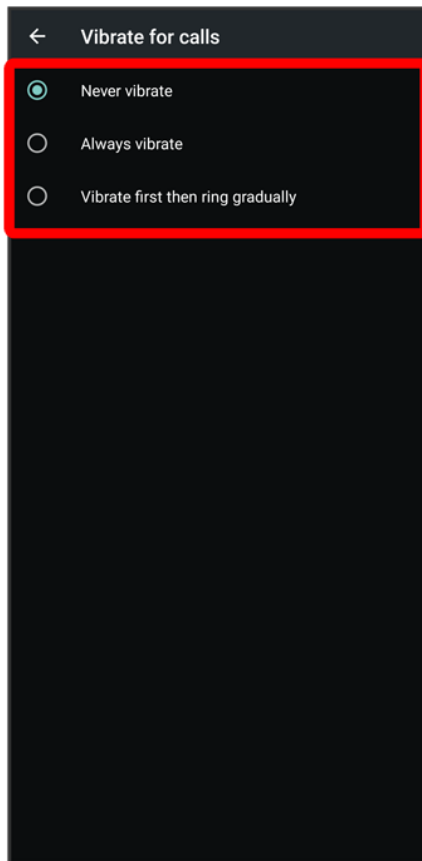




4

Never vibrate/Always vibrate/Vibrate first then ring gradually





🚩 Setting is complete.



# Useful Settings

Set useful functions such as Auto sleep Off, Simple mode, and Clip Now.

- ↓ [Useful Settings](#)
- ↓ [High-Speed Display Settings](#)
- ↓ [Fingerprint Sensor Settings](#)
- ↓ [Convenient Operation Settings](#)
- ↓ [Home Settings](#)
- ↓ [Simple Mode Settings](#)
- ↓ [Auto Sleep Off Settings](#)
- ↓ [Assistant Key Settings](#)

## Useful Settings

Settable items are the following.

Item	Description
<b>Rich color technology Mobile</b>	Set screen display and quality according to use. See "Display Settings" for details on each item.
<b>High-speed display</b>	Set fast-moving videos and applications to appear smoothly.
<b>Lock Photo Shuffle</b>	Change Wallpaper randomly each time lock screen appears. See "Changing Wallpaper" for details.
<b>Fingerprint sensor</b>	Make settings for using Fingerprint Sensor.
<b>ScrollAuto</b>	Set screen to scroll up or down automatically. See "Enabling ScrollAuto" for details.
<b>Clip Now</b>	Make settings for using Clip Now. See "Capturing Screenshots (Clip Now)" for details.
<b>Gaming Menu</b>	While playing a game, record game screen or search for walkthrough sites and make gaming screen and other settings. See "Using Gaming Menu" for details.
<b>Convenient operation settings</b>	Set what action occurs when pressing Power Key, and make Navigation Bar settings.
<b>Home</b>	Switch to and make settings for the standard home application.
<b>S-Shoin</b>	Switch to and make settings for the text entry keyboard "S-Shoin."




	For details on S-Shoin, see "S-Shoinの設定" (Japanese).
<b>Simple mode</b>	Set a simple and intuitive Home Screen and easy-to-read text.
<b>Auto sleep Off</b>	Set Display on or off by handling handset.
<b>Assistant key</b>	Set what action occurs when pressing Assistant Key.
<b>Tethering Auto</b>	Set Wi-Fi tethering to be enabled automatically when at home or in a specified location. See "テザリングオートを利用する" (Japanese) for details.
<b>Intelligent charging</b>	Enable smart charging and charging adapts to handset and ambient temperature for smooth, long-life operation. See "Battery Settings" for details.

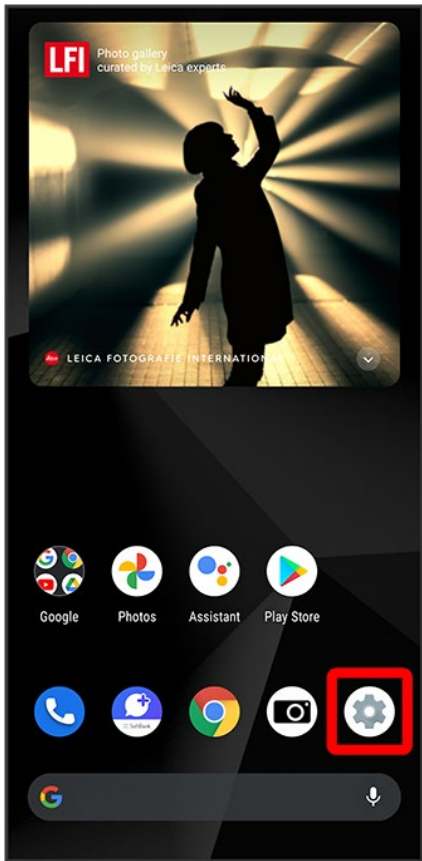
# High-Speed Display Settings

Set fast-moving videos and applications to appear smoothly.

1

In Home Screen,  (Settings)

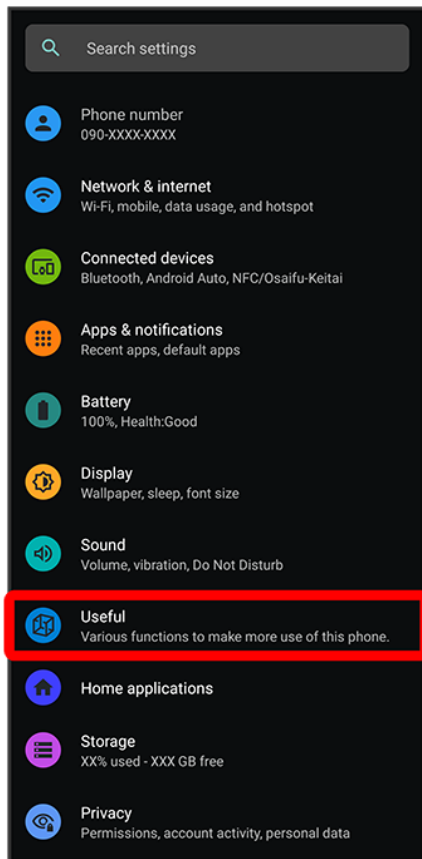




2

Useful



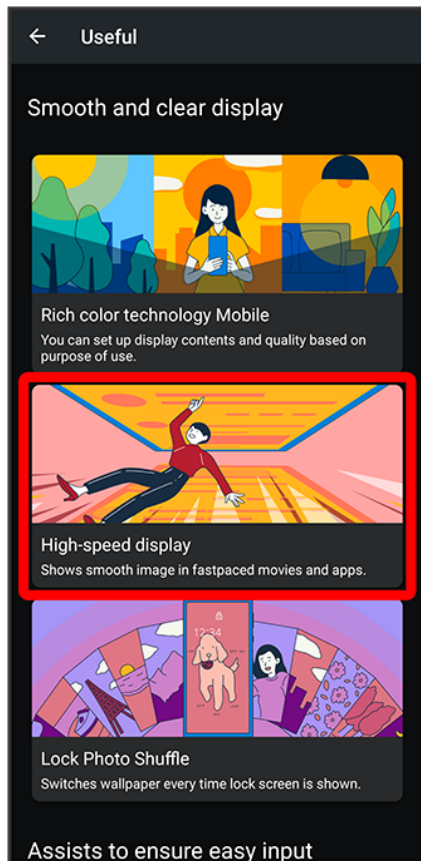


 Useful menu opens.

3

High-speed display





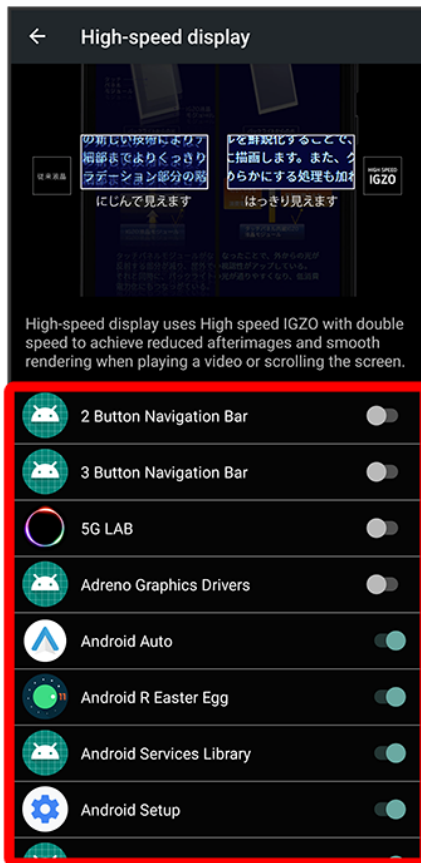
 High-speed display window opens.

4



---

Tap application name





Setting is complete.







- Tap application name to toggle on (  )/off (  ).





## Fingerprint Sensor Settings

See "Using Fingerprint Authentication Function" for details on saving and authenticating fingerprints.






### + Fingerprint Sensor Operations

#### Setting Whether to Use Two Fingers when Authenticating

In Home Screen,  (Settings)  Useful  Fingerprint sensor   /  for "TWO-FINGER AUTHENTICATION"





- Tap  to toggle on (  ),  to toggle off (  ).
- Save at least two fingerprints beforehand.
- If confirmation appears, follow onscreen prompts.



#### Setting Screen for Authenticating with Two Fingers

In Home Screen,  (Settings)  Useful  Fingerprint sensor  TWO-FINGER AUTHENTICATION  Use two-finger authentication on all screens./Use one-finger authentication for unlock only.








### Setting Whether Touching & Holding Fingerprint Sensor Activates Set Application, when Unlocking Screen with Fingerprint





In Home Screen,  (Settings)  Useful  Fingerprint sensor  for "Pay Trigger"




- Tap to toggle on () / off ().

### Setting Application to Start by Long Pressing Fingerprint Sensor





In Home Screen,  (Settings)  Useful  Fingerprint sensor  Pay Trigger  Tap name of application





### Setting Whether Fingerprint Sensor Appears by Tapping Screen Twice while Display Is Turned Off (Screen Lock)

In Home Screen,  (Settings)  Useful  Fingerprint sensor  Double-tap to show fingerprint sensor when the screen is turned off

- Tap  Double-tap to show fingerprint sensor when the screen is turned off to toggle on () / off ().

### Setting Whether Holding Finger to Fingerprint Sensor Unlocks Screen while Screen Is Turned Off (Screen Lock)

In Home Screen,  (Settings)  Useful  Fingerprint sensor  You can unlock screen just by touching the fingerprint sensor even when the screen is turned off

- Tap  You can unlock screen just by touching the fingerprint sensor even when the screen is turned off to toggle on () / off ().
- Settable when **TWO-FINGER AUTHENTICATION** is  Use one-finger authentication for unlock only.
- Save your fingerprint beforehand.

## Convenient Operation Settings











Set what action occurs when pressing Power Key, and make Navigation Bar settings. Settable items are the following.

Item	Description
<b>Press and hold to activate app</b>	Set whether long pressing Power Key starts application, and what application starts.
<b>Press twice to activate camera</b>	Set whether to activate Camera by pressing Power Key twice.
<b>System navigation</b>	Make Navigation Bar settings.






### Operations with Convenient Operation Settings










### Setting Whether to Long Press Power Key to Start Application

In Home Screen,  (Settings)  Useful  Convenient operation settings   /  for "Press and hold to activate app"  
■ Tap  to toggle on (,  to toggle off ().







### Setting Application to Start by Long Pressing Power Key

In Home Screen,  (Settings)  Useful  Convenient operation settings  Press and hold to activate app  Tap name of application

### Setting Whether to Activate Camera by Pressing Power Key Twice

In Home Screen,  (Settings)  Useful  Convenient operation settings  Press twice to activate camera  Quickly open camera  
■ Tap Quickly open camera to toggle on () / off ().

### Setting Whether to List Recently Used Applications by Dragging Bottom of Display Up or Tapping

In Home Screen,  (Settings)  Useful  Convenient operation settings  System navigation  Gesture navigation/3-button navigation  
■ After selecting 3-button navigation,  appears on Navigation Bar.

## Home Settings

Switch to and make settings for the standard home application.

Item	Description
Use Home	Tap to change Home application to Home.
Settings Home	Make Home Screen settings. See "Making Home Screen Settings" for details.

### Changing Home Application to Home


In Home Screen,  (Settings)  Useful  Home  Use Home

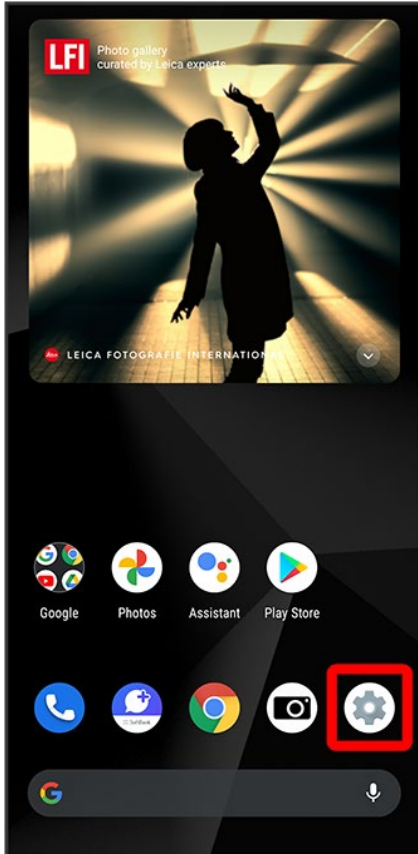
## Simple Mode Settings

Set a simple and intuitive Home Screen and easy-to-read text.



1

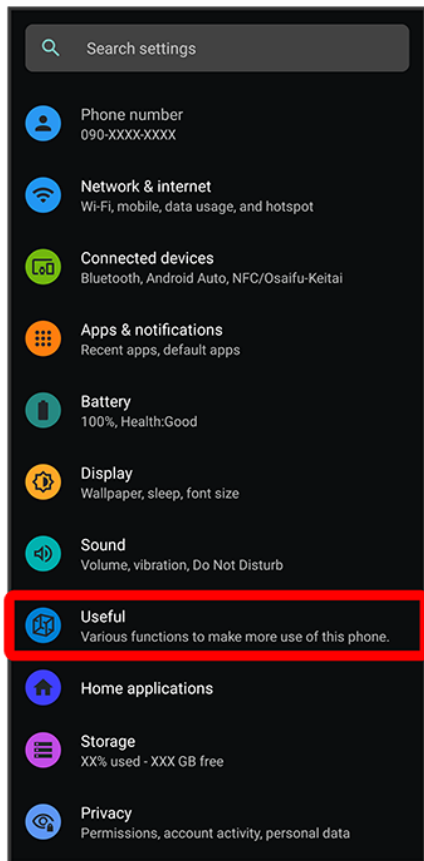
In Home Screen,  (Settings)



2

Useful






 Useful menu opens.

3

Simple mode






 Simple mode window opens.


4

Set each item

 Setting is complete.



## Simple Mode Operations

**Setting Simple and Intuitive Home Screen and Easy-to-Read Text at Same Time**

In Simple mode window, **SET ALL ON**  **YES**

### Setting Home Screen, Size of Text, Etc. Individually

In Simple mode window, **Simple Home**/**Font size(Largest)**/**Hakkiri View**/**Batch change simple keyboard**/**Length of press-and-hold time (longer)**/**Icon shape**

■ Tap **Simple Home**/**Font size(Largest)**/**Hakkiri View**/**Batch change simple keyboard**/**Length of press-and-hold time (longer)**/**Icon shape** to toggle on (  )/off (  ).

■ If confirmation appears, follow onscreen prompts.







## Auto Sleep Off Settings



Set Display on or off by handling handset. Settable items are the following.

Item	Description
<b>Turn screen on by holding</b>	Set whether to turn on Display when handset is picked up (e.g., from a desk) and held still.
<b>Bright Keep</b>	Set whether to keep Display from turning off while handset is held.





### + Auto Sleep Off Operations


#### Setting Whether to Turn on Display when Handset Is Picked Up (E.G., from a Desk) and Held Still.

In Home Screen,  (Settings)  Useful  Auto sleep Off  Turn screen on by holding

- Tap **Turn screen on by holding** to toggle on () / off ().
- Whether handset is picked up is determined from handset angle and Proximity/Light Sensor; holding handset upright or moving while holding it may affect the determination.

#### Setting Whether to Keep Display On while Holding Handset

In Home Screen,  (Settings)  Useful  Auto sleep Off  Bright Keep



- Tap **Bright Keep** to toggle on () / off ().
- Hand-held state is determined from handset angle and Proximity/Light Sensor; usage status may affect determination of hand-held state.





## Assistant Key Settings

Set function activated by pressing Assistant Key. Settable item is the following.

Item	Description
<b>Assistant App</b>	Set whether pressing Assistant Key activates Google Assistant or emopa.

### + Setting Whether Pressing Assistant Key Activates Google Assistant or emopa

In Home Screen,  (Settings)  Useful  Assistant key  /  for "Assistant App"

- Tap  to toggle on () ,  to toggle off ().
- Tap **Assistant App** to change activated application.



# Privacy Settings

Make application permissions, password display and other settings.

↓ Privacy Settings

## Privacy Settings

Settable items are the following.

Item	Description
Permission manager	Set applications with permitted usage by function. See "Setting Required Permissions for Applications" for details.
Visible passwords	Set whether characters visible as password entered.
Notifications on lock screen	Set whether to show notifications in lock screen. See "Display Settings" for details.
Device Personalization Services	Delete data based on used applications and contents.
Advanced	Making Settings for Autofill service from Google, Google location history™, etc.

### + Privacy Operations

#### Setting Whether Characters Visible as Password Entered

In Home Screen, ⚙ (Settings) → Privacy → Visible passwords  
■ Tap Visible passwords to toggle on (🟢)/off (⚪).

#### Deleting Data Based on Used Applications and Contents

In Home Screen, ⚙ (Settings) → Privacy → Device Personalization Services → Clear data → Last hour/Last 24 hours/All time → Clear data

#### Setting Whether to Allow Applications to Send Contents to Android System

In Home Screen, ⚙ (Settings) → Privacy → Advanced → App content  
■ Tap App content to toggle on (🟢)/off (⚪).

#### Using Google Autofill Service

In Home Screen, ⚙ (Settings) → Privacy → Advanced → Autofill service from Google → Follow onscreen prompts  
■ Log in to a Google account beforehand.








### Setting Google Location History

In Home Screen,  (Settings)  Privacy  Advanced  Google location history 

Follow onscreen prompts






- Log in to a Google account beforehand.

### Setting Activity Controls

In Home Screen,  (Settings)  Privacy  Advanced  Activity controls  Follow onscreen prompts

- Log in to a Google account beforehand.

### Setting Ads

In Home Screen,  (Settings)  Privacy  Advanced  Ads  Follow onscreen prompts

### Setting Whether to Send Usage Status and Diagnosis Information to Google Automatically

In Home Screen,  (Settings)  Privacy  Advanced  Usage & diagnostics 

Off  / On 

- Tap Off  to toggle On (  ), On  to toggle Off (  ).



# Location Settings

Make settings for location information.

↓ Location Settings




## Location Settings



Settable items are the following.

Item	Description
Use location	Set whether to use location information.
App access to location	Check applications' permission to access location, and set permission, permission or not only while in use, and one-time-only permission.
Location permissions without Android Services	Set access permissions for sources other than Android services.
Advanced	Making Settings for Google Location History, Emergency Location Service, etc. For details on Google location history, see "Privacy Settings."



### + Location Operations

#### Setting Whether to Use Location Information

In Home Screen,  (Settings)  Location  Use location






- Tap **Use location** to toggle on (  )/off (  ).

#### Showing Applications Recently Using Location

In Home Screen,  (Settings)  Location

- Applications recently using location appear at bottom of "RECENT LOCATION REQUESTS."



#### Setting Whether to Permit Use of Location per Each Application

In Home Screen,  (Settings)  Location  App access to location  Tap application name  Allow all the time/Allow only while using the app/Ask every time/Deny






- If confirmation appears, follow onscreen prompts.
- **Allow all the time** does not appear for some applications.

#### Setting Access Permissions for Sources Other than Android Services








In Home Screen,  (Settings)  Location  Location permissions without Android Services  Follow onscreen prompts

### Setting Whether to Use Wi-Fi and Bluetooth® Scanning to Increase Accuracy of Location

In Home Screen,  (Settings)  Location  Advanced  Wi-Fi and Bluetooth scanning 






■ Tap Wi-Fi scanning/Bluetooth scanning to toggle on (  )/off (  ).

### Setting Whether to Send Location in Emergency

In Home Screen,  (Settings)  Location  Advanced  Emergency Location Service 






■ Tap Send ELS Location to toggle on (  )/off (  ).

### Setting Whether to Improve Location Accuracy

In Home Screen,  (Settings)  Location  Advanced  Google Location Accuracy 

■ Tap Improve Location Accuracy to toggle on (  )/off (  ).

### Managing Location Share Setting

In Home Screen,  (Settings)  Location  Advanced  Google Location Sharing 

■ Log in to a Google account beforehand.



# Security Settings

Make security settings including screen lock and face authentication.

- ↓ Security Settings
- ↓ Main Security Codes
- ↓ Center Access Code
- ↓ Enabling SIM PIN
- ↓ Changing SIM PIN
- ↓ Setting Screen to Unlock by Flicking Screen
- ↓ Setting Screen to Unlock by Tracing Pattern
- ↓ Requiring Lock No. (PIN) Entry for Unlocking Screen
- ↓ Setting Screen to Unlock with Password
- ↓ Using Face Authentication

## Security Settings

Settable items are the following.

Item	Description
Google Play Protect	Set whether to scan handset for security issues.
Security update	Check whether system updates are required via the network, and update manually as required. See "Updating the System" for details.
Find My Device	Set whether location is shown if handset is lost.
Screen lock	Set a screen lock.
Face authentication	When face data is saved, handset authenticates with face when Display is on, and screen unlocks.
Fingerprint	Save fingerprints. See "Using Fingerprint Authentication Function" for details.
Smart Lock	Enable handset to check whether it is being carried or for trusted place or device and unlock screen.
Device admin apps	Set whether to enable applications managing handset.
Set up SIM card lock	Change lock and SIM PIN for SIM Card.








## Security Operations



### Setting Screen Not to Lock

In Home Screen,  (Settings)  Security  Screen lock  None






- If method for unlocking screen is setting other than **None** or **Swipe** before changing setting, first Tap **Screen lock** and unlock screen.
- If confirmation appears, follow onscreen prompts.

### Setting Whether Traced Pattern is Visible when Unlocking Screen

In Home Screen,  (Settings)  Security   for "Screen lock"  **Make pattern visible**






- Tap **Make pattern visible** to toggle on () / off () .
- Set when unlock method is **Pattern**.



### Setting Time after Display Off until Screen Locks

In Home Screen,  (Settings)  Security   for "Screen lock"  **Lock after screen timeout**  Tap item

- Set when unlock method is setting other than **None** or **Swipe**.



### Setting Whether Pressing Power Key Immediately Locks Screen

In Home Screen,  (Settings)  Security   for "Screen lock"  **Power button instantly locks**








- Tap **Power button instantly locks** to toggle on () / off () .
- Set when unlock method is setting other than **None** or **Swipe**.

### Setting Screen to Remain Unlocked while Being Carried

In Home Screen,  (Settings)  Security  Smart Lock  Enter pattern / lock no. (PIN) / password  **On-body detection**  **Off** ( )

- Set pattern / lock no. (PIN) / password for unlocking screen beforehand.
- To disable, Tap **On** () () .
- If confirmation appears, follow onscreen prompts.








### Setting Screen to Remain Unlocked while in Specific Place

In Home Screen,  (Settings)  Security  Smart Lock  Enter pattern / lock no. (PIN) / password  **Trusted places**  **Home** / **Add trusted place**  Follow onscreen prompts

- Set pattern / lock no. (PIN) / password for unlocking screen beforehand.
- To select **Home**, log in to a Google account beforehand.
- If confirmation appears, follow onscreen prompts.









### Deleting Places Added as Trusted Places



In Home Screen,  (Settings)  Security  Smart Lock  Enter pattern / lock no. (PIN) / password  Trusted places  Tap place  Delete

- If confirmation appears, follow onscreen prompts.








### Setting Screen to Unlock by Using Trusted Device

In Home Screen,  (Settings)  Security  Smart Lock  Enter pattern / lock no. (PIN) / password  Trusted devices  ADD TRUSTED DEVICE  Tap device 

Follow onscreen prompts






- Set pattern / lock no. (PIN) / password for unlocking screen beforehand.
- Turn "Bluetooth" On and pair with a Bluetooth® device beforehand.
- If confirmation appears, follow onscreen prompts.

### Deleting Devices Added as Trusted Devices





In Home Screen,  (Settings)  Security  Smart Lock  Enter pattern / lock no. (PIN) / password  Trusted devices  Tap name of device  REMOVE TRUSTED DEVICE

- If confirmation appears, follow onscreen prompts.

### Setting Whether to Enable Device Administration Applications

In Home Screen,  (Settings)  Security  Device admin apps  Tap device admin application name  Follow onscreen prompts

### Checking Type of Storage for Credentials







In Home Screen,  (Settings)  Security  Advanced  Encryption & credentials

- The type of credentials storage is shown below "Storage type."

### Setting Whether to Allow Applications Access to Trusted Certificates and Other Credentials

In Home Screen,  (Settings)  Security  Advanced  Encryption & credentials  Trusted credentials  SYSTEM/USER  Tap certificate  DISABLE/ENABLE







### Viewing Details of Credentials Installed by User

In Home Screen,  (Settings)  Security  Advanced  Encryption & credentials  User credentials  Tap certificate

### Deleting Credentials Installed by User

In Home Screen,  (Settings)  Security  Advanced  Encryption & credentials  User credentials  Tap certificate  REMOVE

### Installing Encrypted Certificates

In Home Screen,  (Settings)  Security  Advanced  Encryption & credentials  Install from storage  Follow onscreen prompts







- If method for unlocking screen before change is setting other than None or Swipe,



first unlock screen.






- Credentials may be required when configuring a Wi-Fi network. How to obtain credentials varies by the issuer.

### Deleting All Credentials and Resetting Credential Storage Password

In Home Screen,  (Settings)  Security  Advanced  Encryption & credentials  Clear credentials  OK













- Clearing credential storage also deletes all VPN settings.
- If method for unlocking screen is setting other than **None** or **Swipe**, first Tap **OK** and unlock screen.

### Setting Whether to Show/Hide Trusted Agents

In Home Screen,  (Settings)  Security  Advanced  Trust agents  Tap agent name









- Set pattern / lock no. (PIN) / password for unlocking screen beforehand.
- Tap agent name to toggle on () / off ()



### Setting Screen of Only Specified Application to Be Kept in View

In Home Screen,  (Settings)  Security  Advanced  App pinning  Off  (On )  Activate application to pin  Drag bottom of Display up  Tap icon of application in history  Pin  GOT IT

- To unpin, wait while Dragging bottom of Display up.
- If confirmation appears, follow onscreen prompts.

### Requiring Screen to Be Unlocked after Screen of Only Specified Application No Longer Kept in View

In Home Screen,  (Settings)  Security  Advanced  App pinning  Lock device when unpinning ()  Pattern/Lock No. (PIN)/Password  Set pattern / lock no. (PIN) / password

- Set "App pinning" to On beforehand.
- If pattern / lock no. (PIN) / password for unlocking screen is set beforehand, Tap **App pinning** to show **Ask for unlock pattern before unpinning/Ask for PIN before unpinning/Ask for password before unpinning**. Tap **Ask for unlock pattern before unpinning/Ask for PIN before unpinning/Ask for password before unpinning** to toggle on () / off ()

## Screen Lock Cautions

Make sure to make a note of and not forget pattern / lock no. (PIN) / password set for unlocking screen. If you forget the code, visit your nearest SoftBank Shop for recovery. Note that saved files and settings will be lost.



## Main Security Codes

The following are main security codes required for handset use.

Code	Description
<b>Center Access Code</b>	A four-digit code set in subscription contract. See "Center Access Code" for details.
<b>SIM PIN</b>	A code for SIM Card. SIM PIN is 9999 by default (change as needed). See "Enabling SIM PIN" for details.
<b>Lock No. (PIN)</b>	A code for unlocking screen. See "Requiring Lock No. (PIN) Entry for Unlocking Screen" for details.

## Center Access Code

Center Access Code is a four-digit code set in subscription contract; necessary to use optional services from landlines, etc.

- Do not forget Center Access Code. If you forget the code, contact us for recovery. For details, contact Customer Service.
- Be careful not to reveal security codes to others. If misused by others, SoftBank Corp. is not liable for any resulting damages.

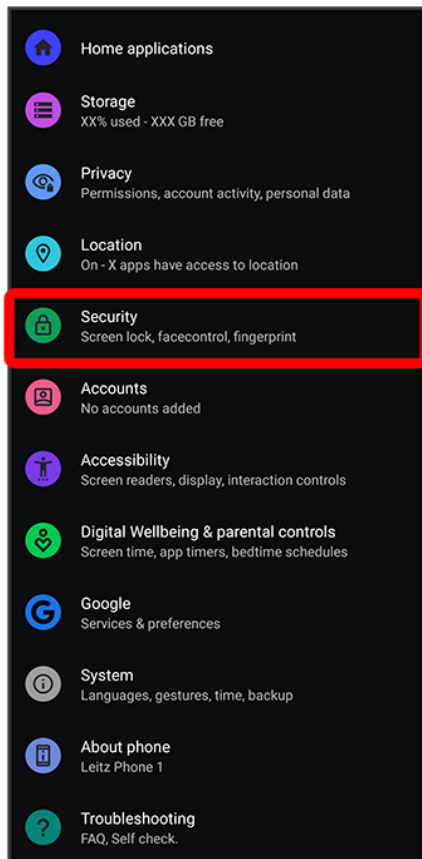
## Enabling SIM PIN


When SIM PIN is enabled, PIN entry is required for handset use each time handset is powered on with SIM Card installed. It is effective for preventing unauthorized use by others.

1

In Home Screen,  (Settings)  **Security**





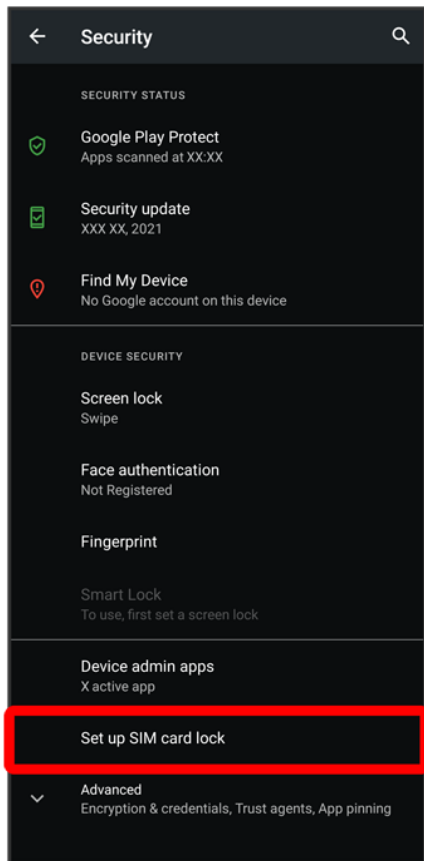
 Security menu opens.

2

---

Set up SIM card lock

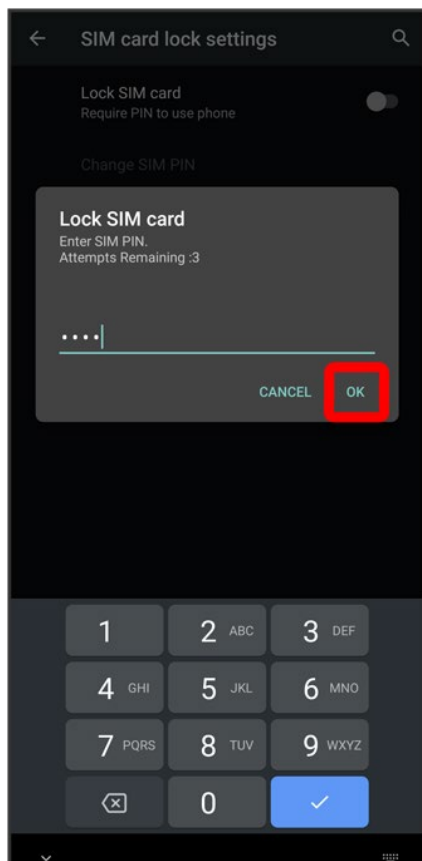




3

Lock SIM card → Enter SIM PIN → OK ( )





 SIM card lock is enabled.

### **Disabling SIM Card Lock**

In Security menu, **Set up SIM card lock** → **Lock SIM card** → **Enter SIM PIN** → **OK**  
()

### **SIM PIN Entry Cautions**

SIM PIN entry is required when changing SIM PIN, when powering handset on with SIM card lock enabled, etc.

- Entering incorrect SIM PIN three consecutive times activates PIN Lock. To cancel, Personal Unblocking Key (PUK) is required; contact Customer Service.
- Entering incorrect PUK ten consecutive times activates PUK Lock, disabling handset. For recovery, SIM Card must be reissued at a SoftBank Shop (fees apply).

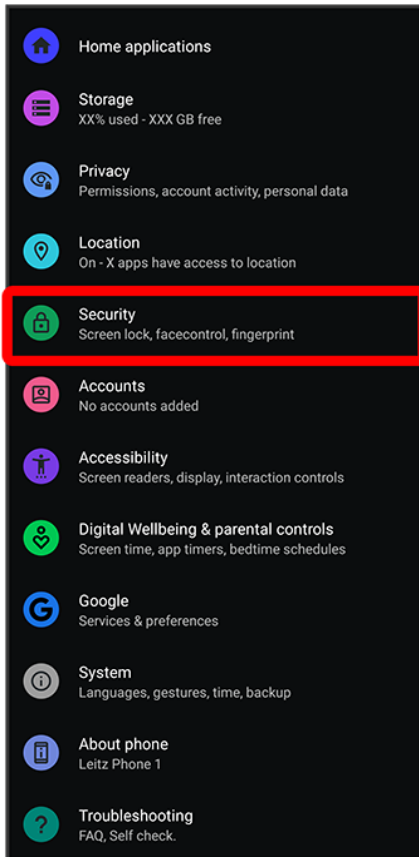
## Changing SIM PIN


Enable SIM card lock first. See "Enabling SIM PIN" for details.



1

In Home Screen,  (Settings)  **Security**

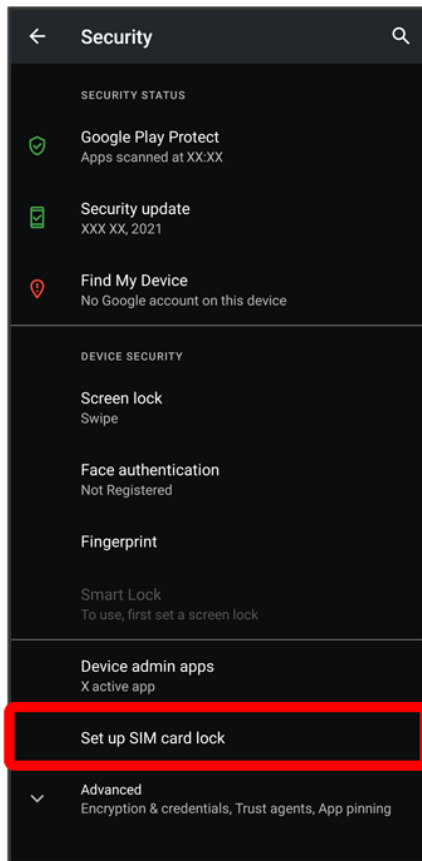


 Security menu opens.

2

**Set up SIM card lock**

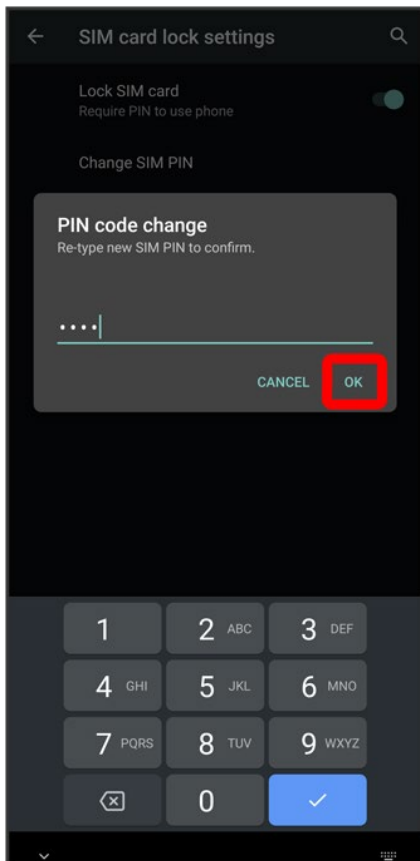




3

Change SIM PIN → Enter current PIN → OK → Enter new PIN → OK → Re-enter new PIN → OK






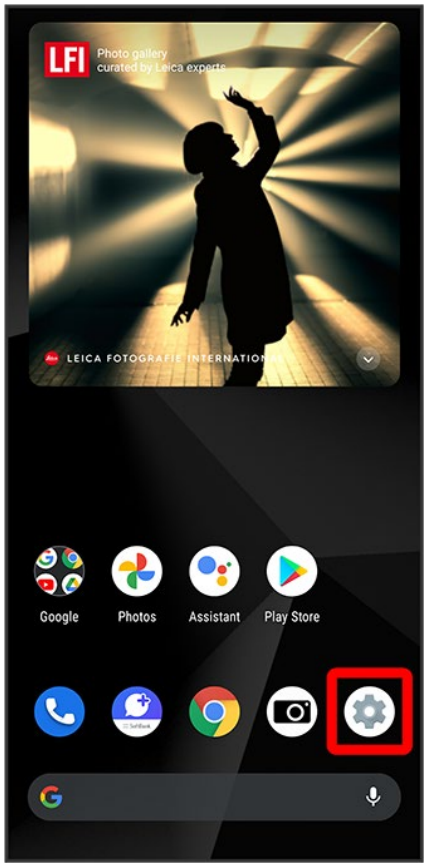
🚩 SIM PIN is changed.

## Setting Screen to Unlock by Flicking Screen

1

In Home Screen,  (Settings)

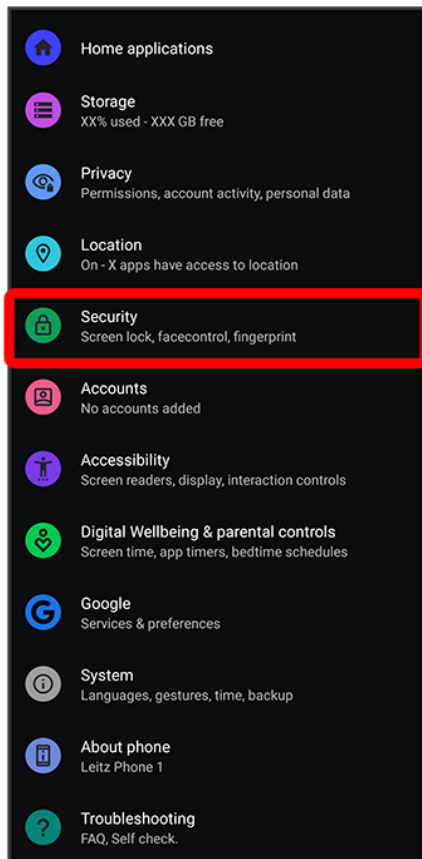





2

Security



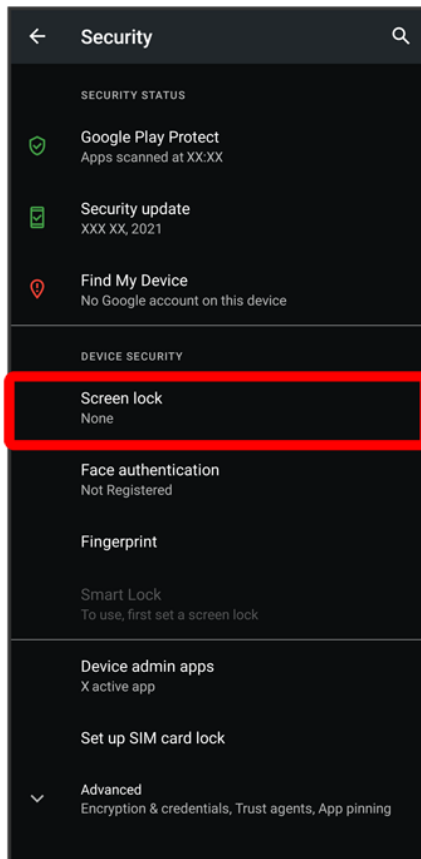


 Security menu opens.

3

Screen lock



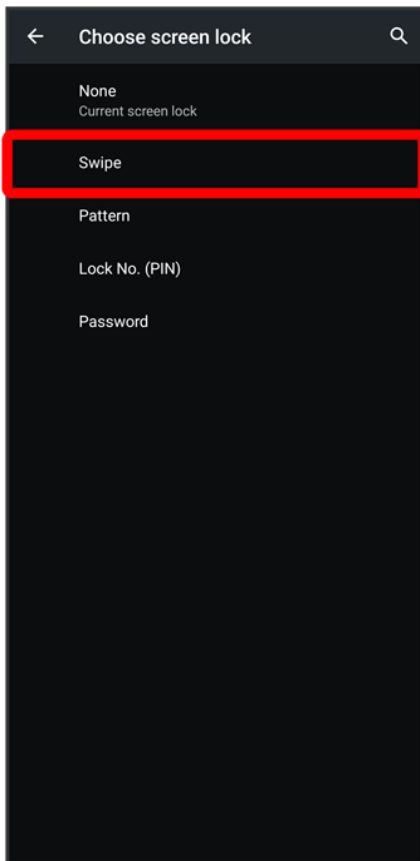



- If method for unlocking screen before change is setting other than **None** or **Swipe**, first unlock screen.

4

Swipe






 Setting is complete.

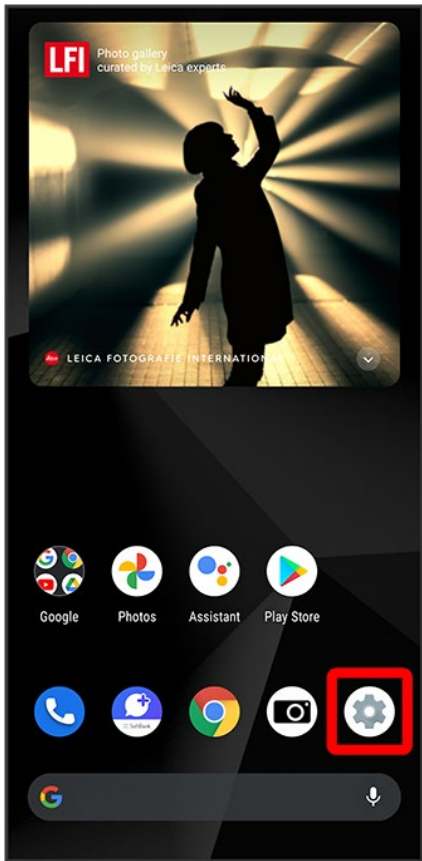
- If confirmation appears, follow onscreen prompts.

## Setting Screen to Unlock by Tracing Pattern

1

In Home Screen,  (Settings)

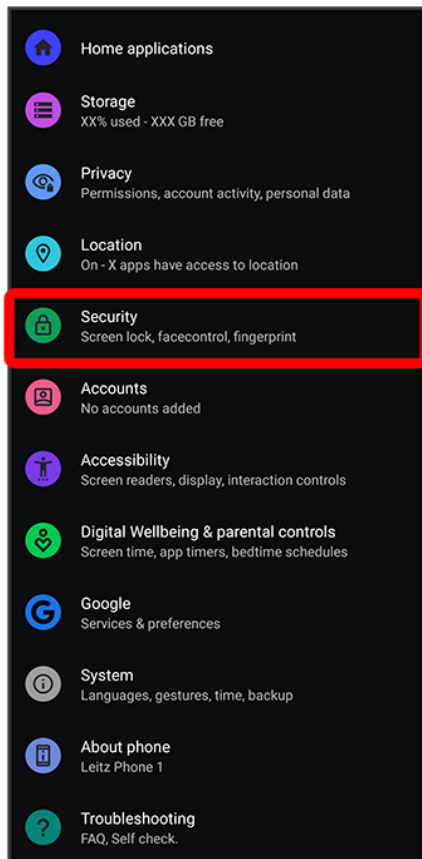





2

## Security



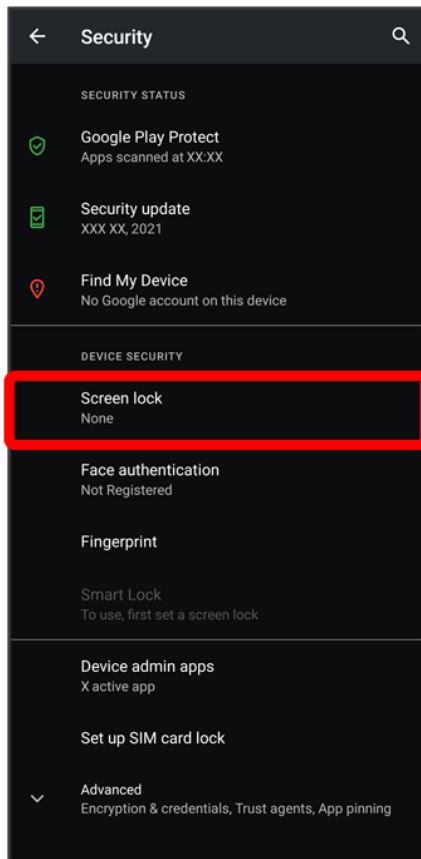


 Security menu opens.

3

Screen lock



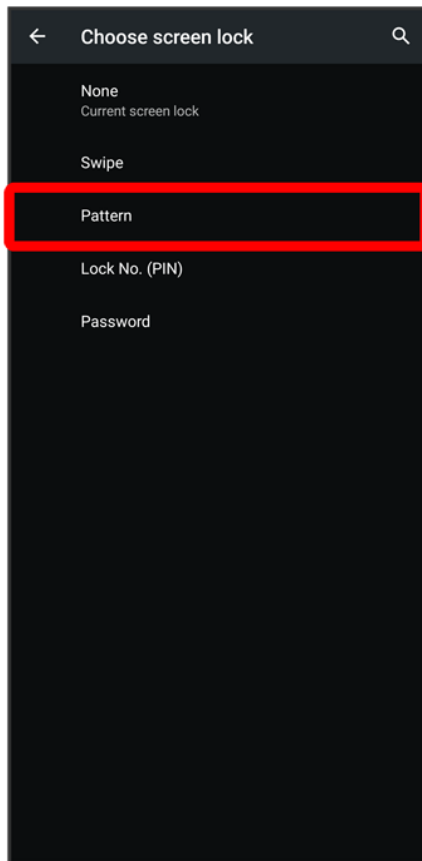


- If method for unlocking screen before change is setting other than **None** or **Swipe**, first unlock screen.

4

Pattern



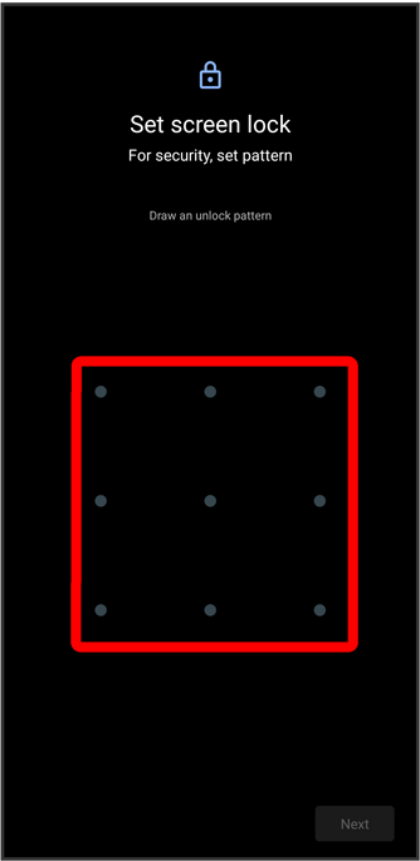


5

---

Enter new pattern

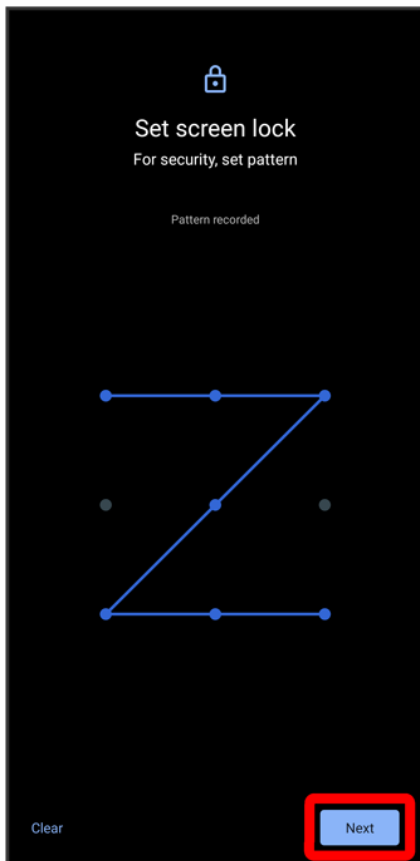




6

Next





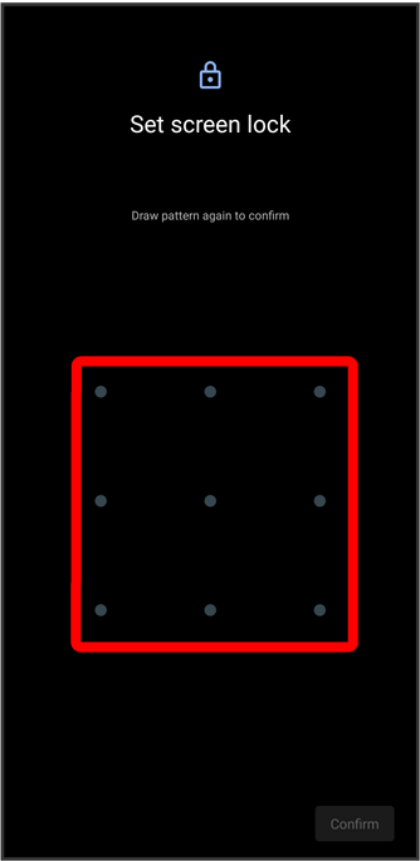
- Tap **Clear** to erase entered pattern.

7

---

Enter new pattern again

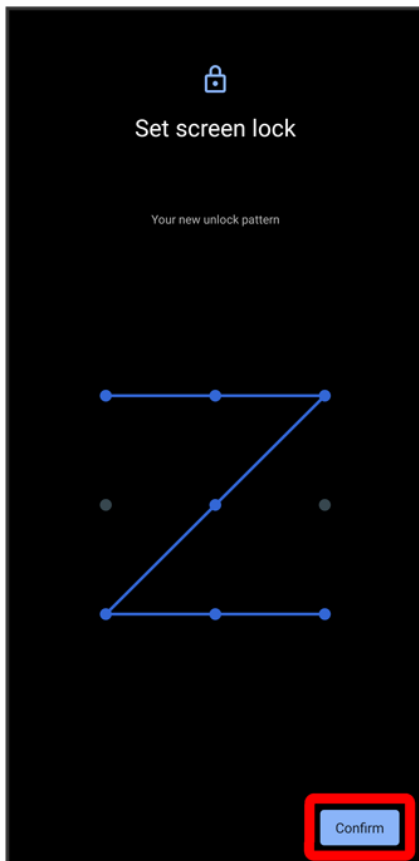




8

Confirm





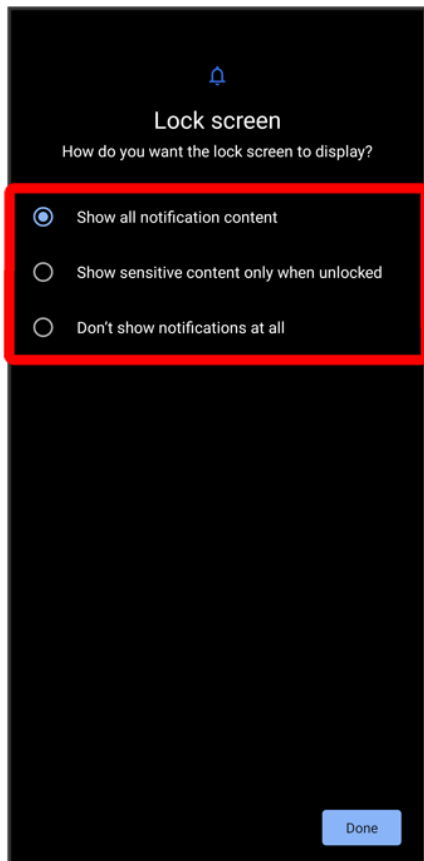
- If method for unlocking screen before change is setting other than **None** or **Swipe**, setting is complete.

9

---

Select method of notification display

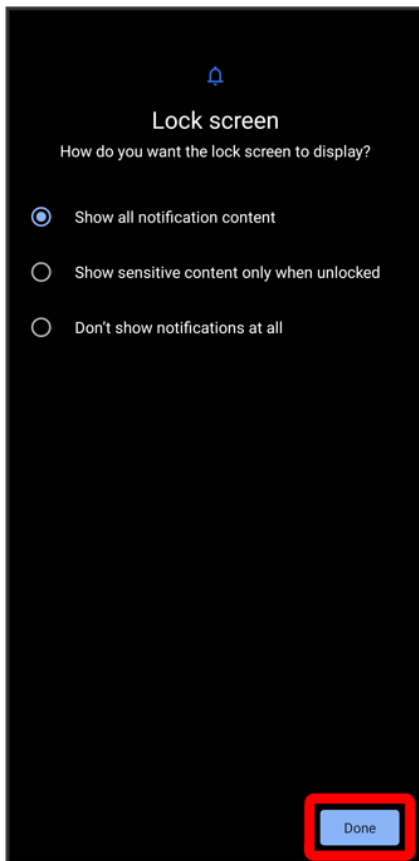





10

Done






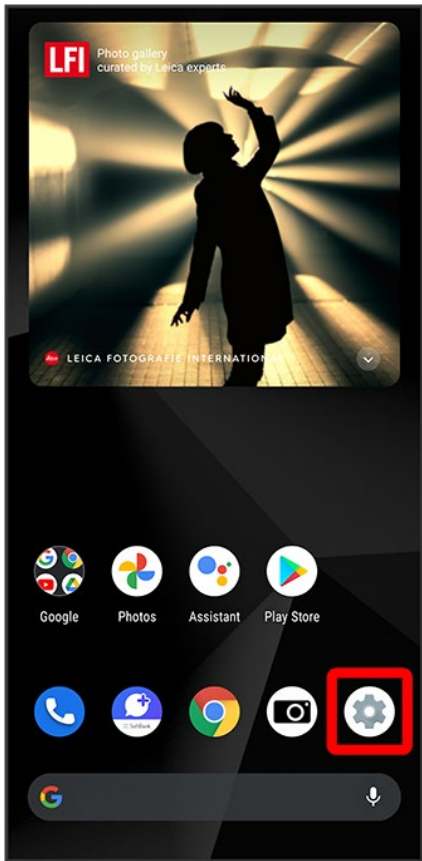
 Setting is complete.

## Requiring Lock No. (PIN) Entry for Unlocking Screen

1

In Home Screen,  (Settings)

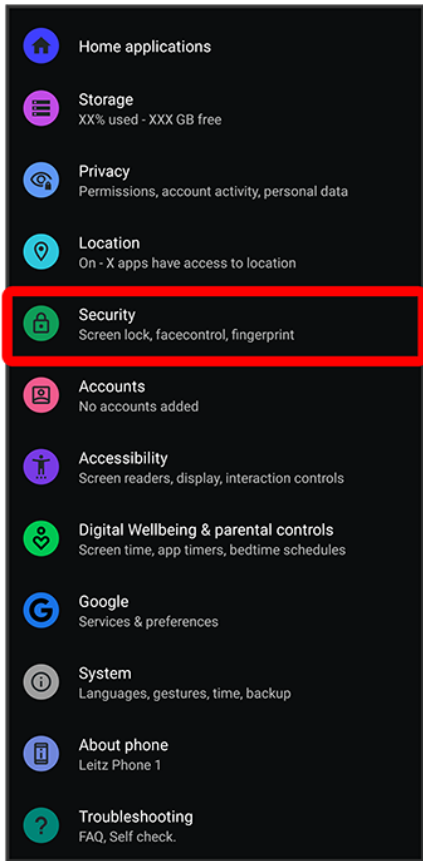





2

## Security



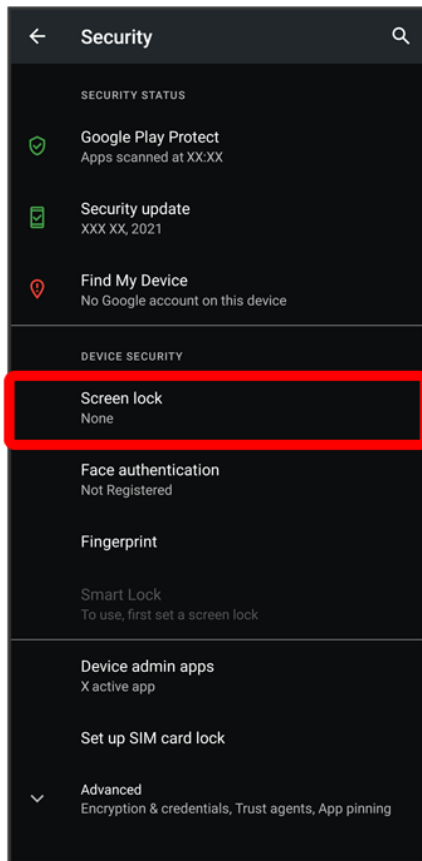


 Security menu opens.

3

Screen lock



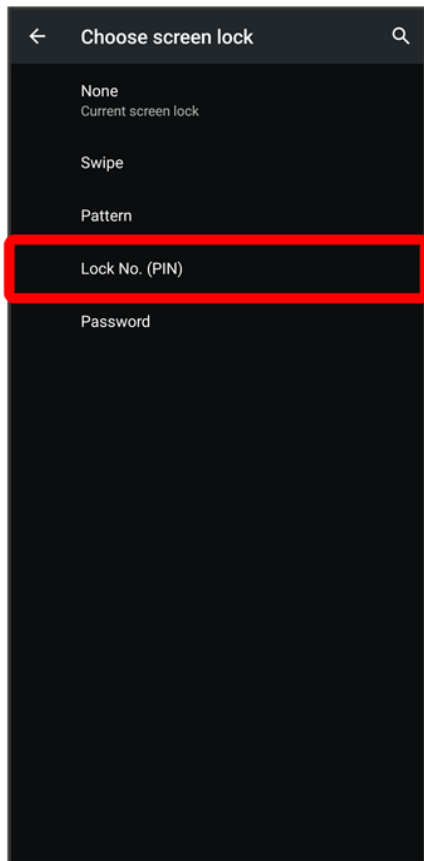


- If method for unlocking screen before change is setting other than **None** or **Swipe**, first unlock screen.

4

Lock No. (PIN)



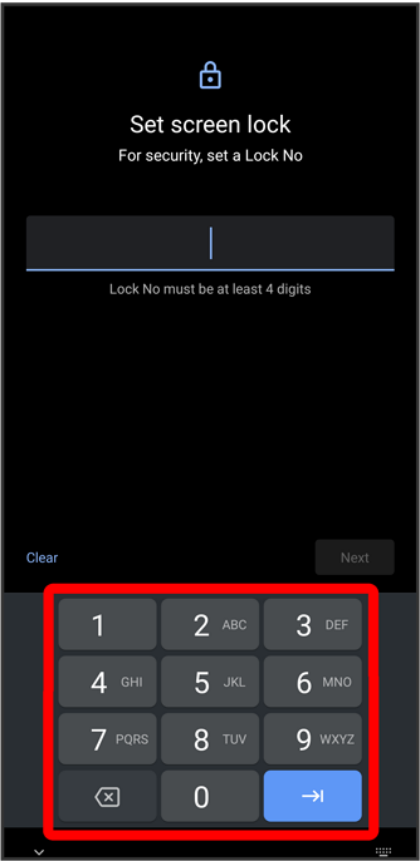


5

---

Enter new lock no. (PIN)

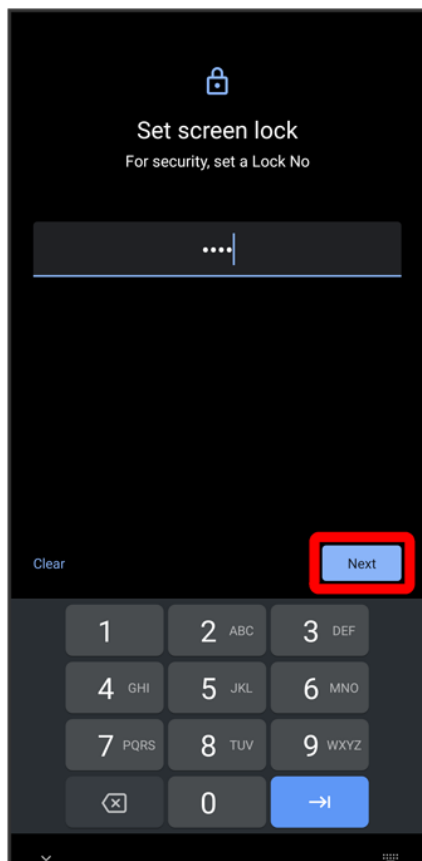




6

Next





- Tap **Clear** to erase entered lock no. (PIN).

7

---

Enter new lock no. (PIN) again

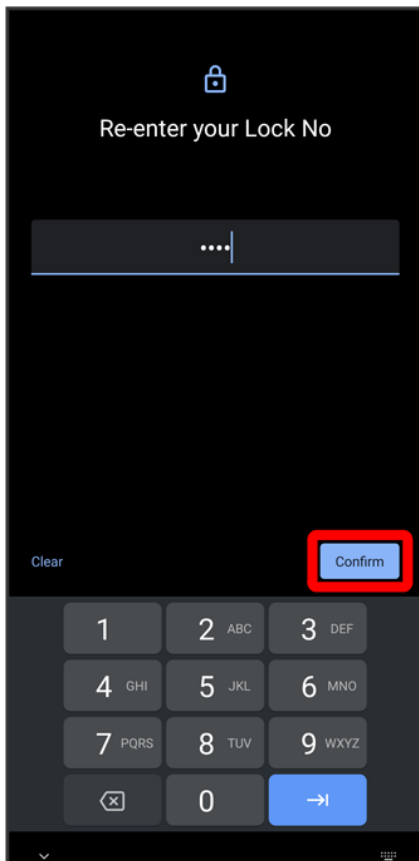




8

Confirm





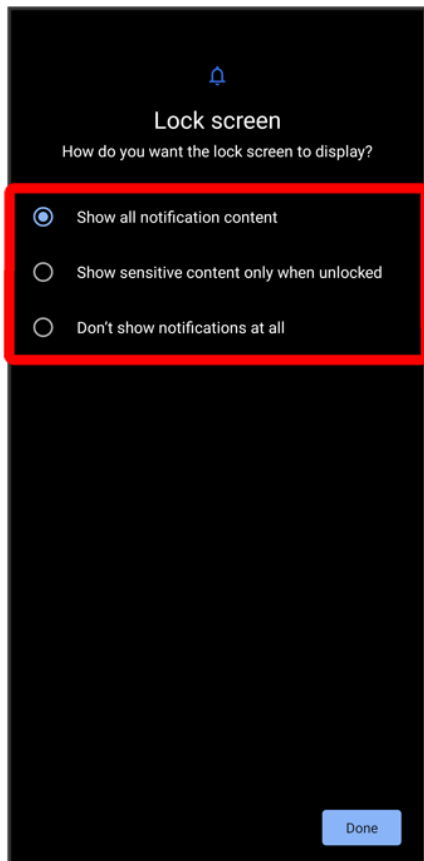
- If method for unlocking screen before change is setting other than **None** or **Swipe**, setting is complete.
- Tap **Clear** to erase entered lock no. (PIN).

9

---

Select method of notification display

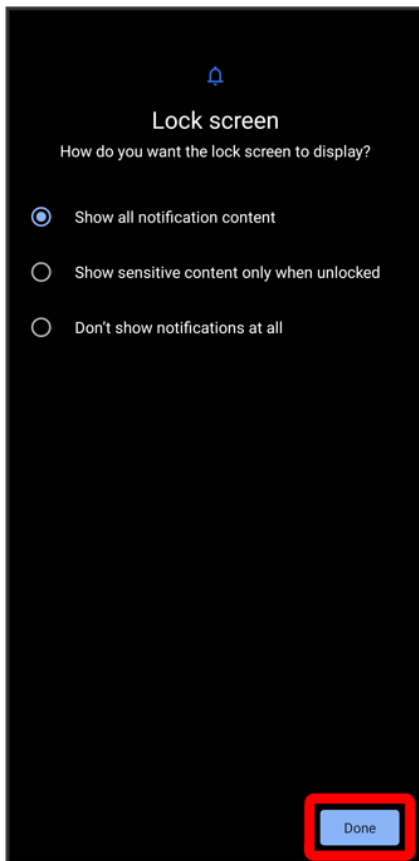





10

Done






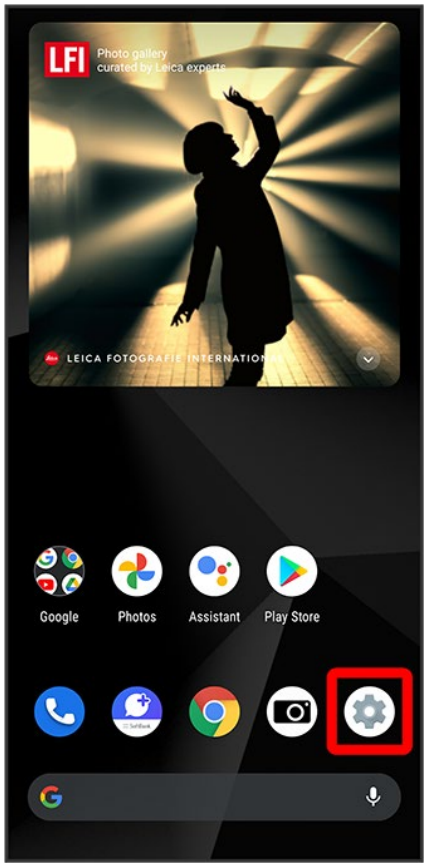
 Setting is complete.

## Setting Screen to Unlock with Password

1

In Home Screen,  (Settings)

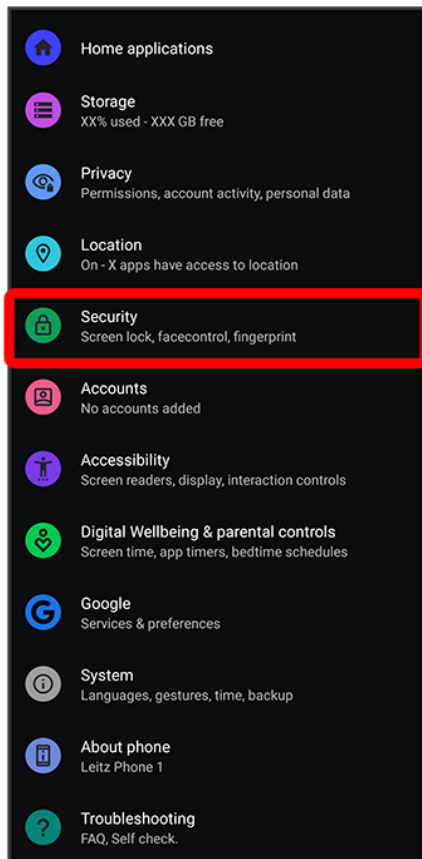





2

## Security



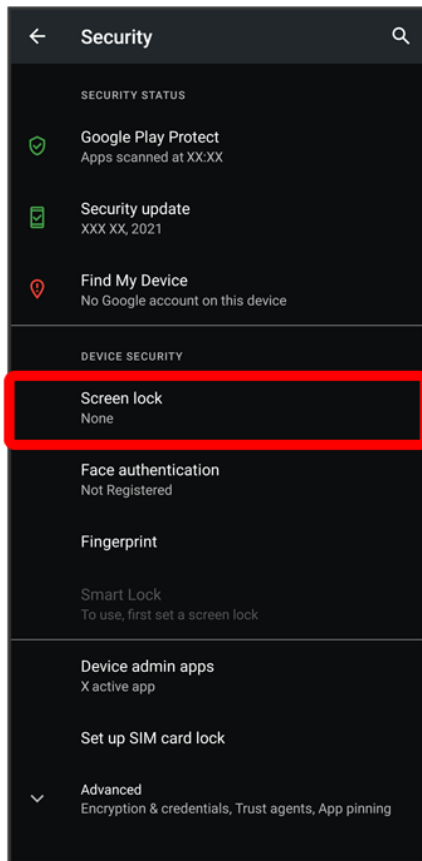


 Security menu opens.

3

Screen lock



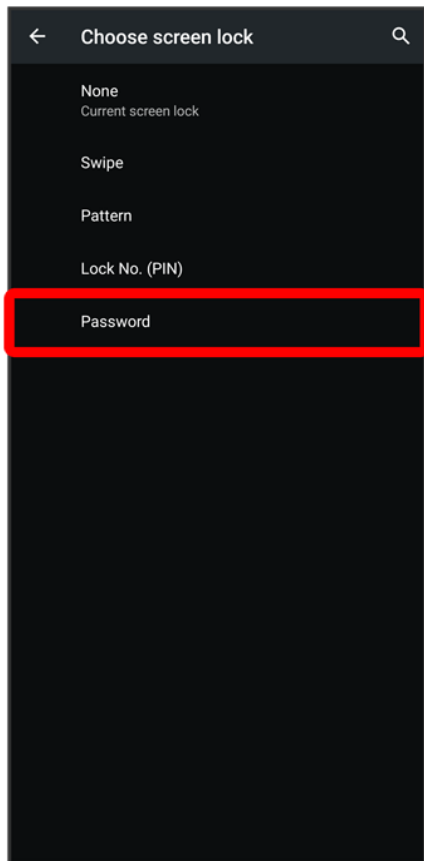


- If method for unlocking screen before change is setting other than **None** or **Swipe**, first unlock screen.

4

Password



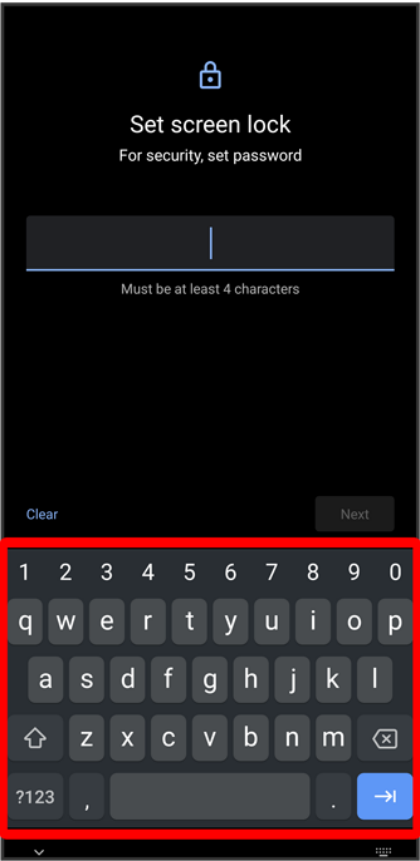


5

---

Enter new password

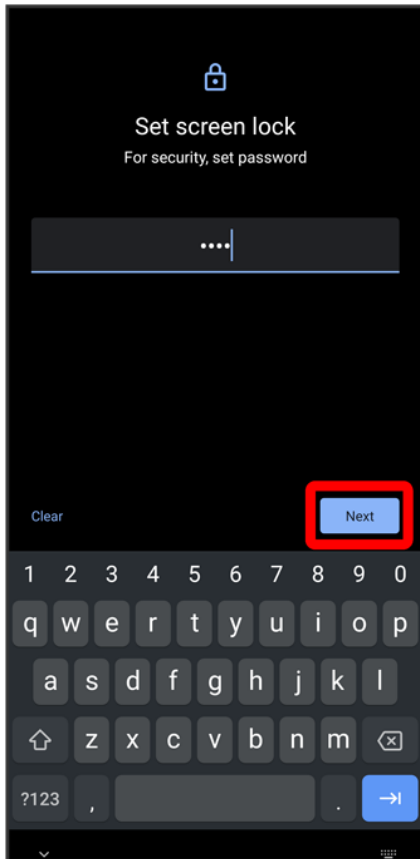




6

Next





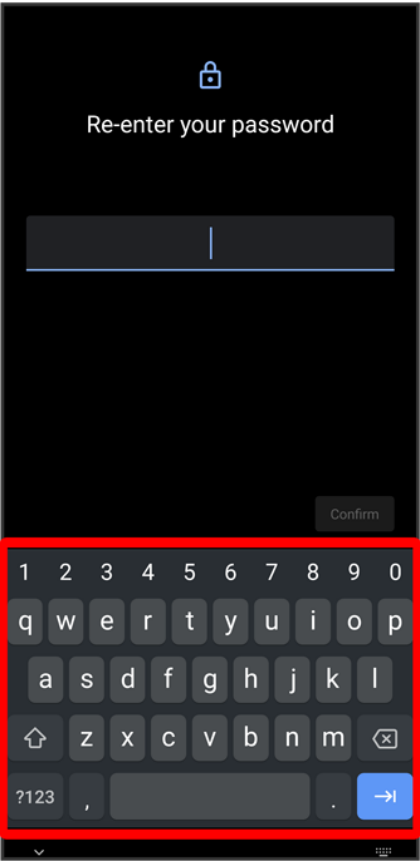
- Tap **Clear** to erase entered password.

7

---

Enter new password again

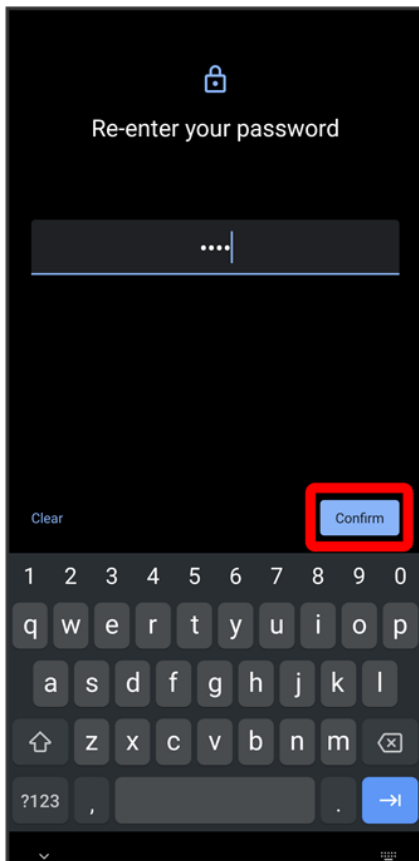




8

Confirm





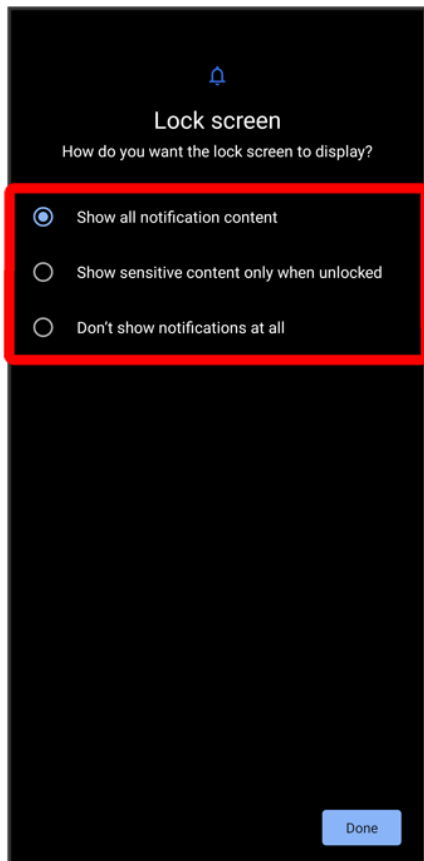
- If method for unlocking screen before change is setting other than **None** or **Swipe**, setting is complete.
- Tap **Clear** to erase entered password.

## 9

---

Select method of notification display

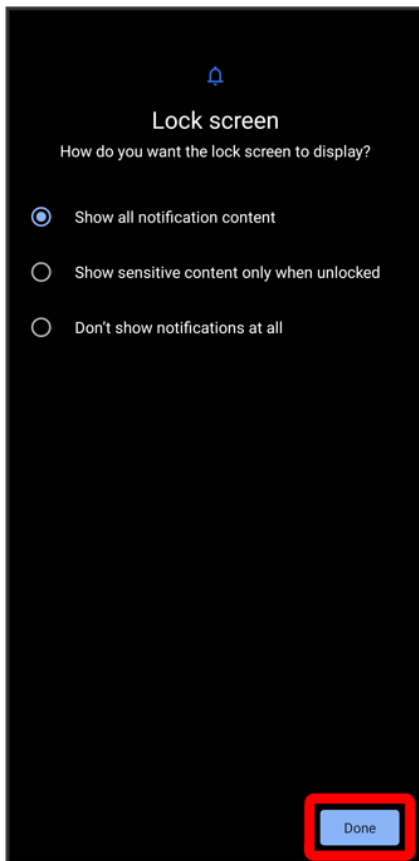





10

Done





 Setting is complete.

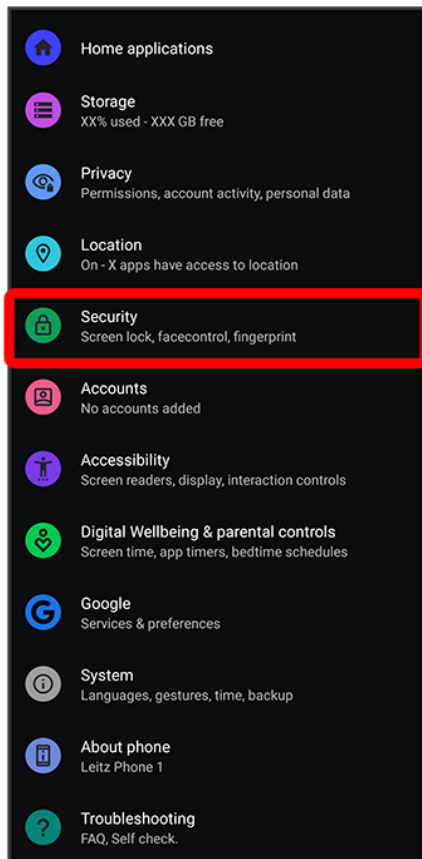
## Using Face Authentication


When face data is saved, handset authenticates with face when Display is on, and screen unlocks.

1

In Home Screen,  (Settings)  **Security**



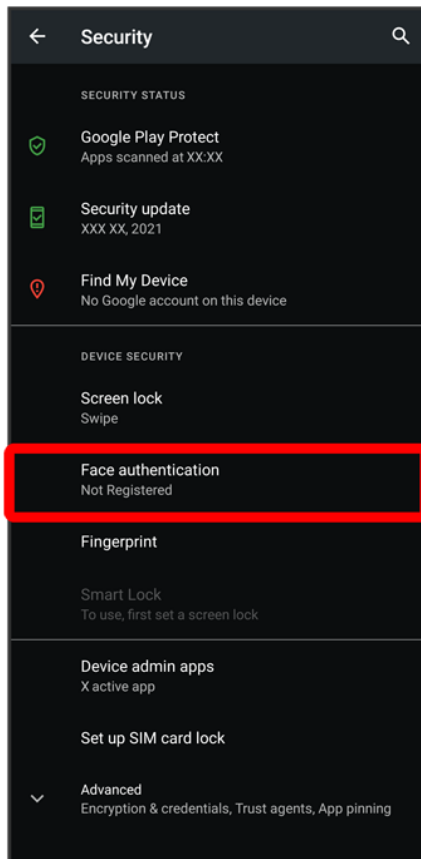


 Security menu opens.

2

Face authentication



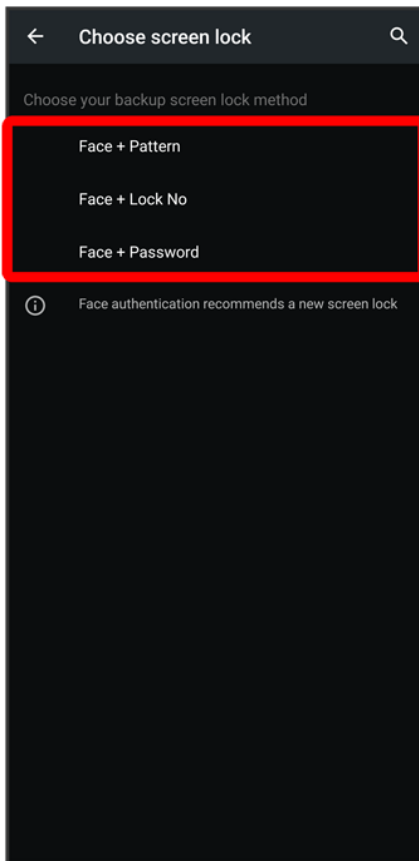


3

---

Follow onscreen prompts and set pattern / lock no. (PIN) / password for unlocking screen





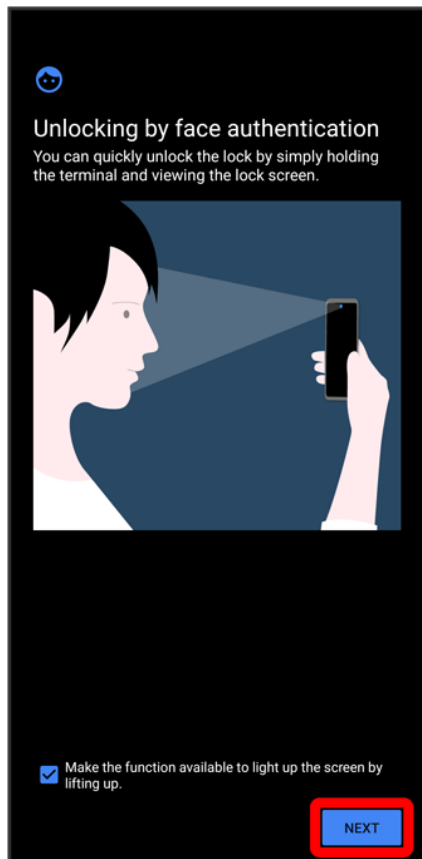
- This is a backup method for unlocking the screen if unable to authenticate with your face.
- Unlocks screen when unlock method is setting other than **None** or **Swipe**.
- See "Setting Screen to Unlock by Tracing Pattern," "Requiring Lock No. (PIN) Entry for Unlocking Screen," and "Setting Screen to Unlock with Password" for details on setting a method for unlocking screen.

4

---

NEXT

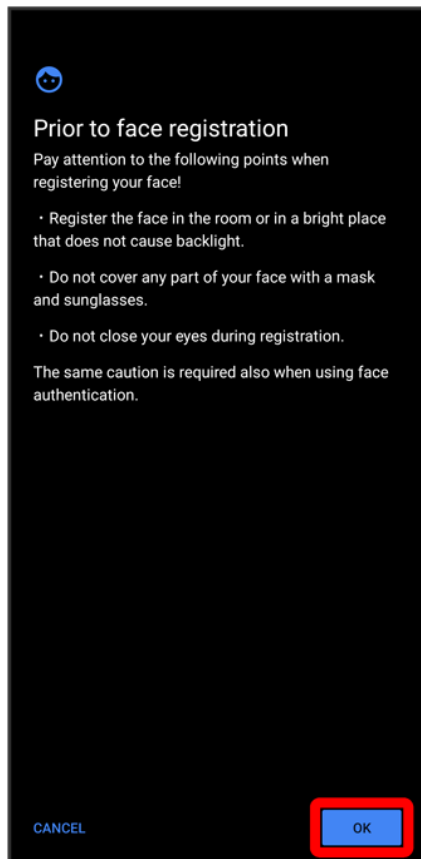




5

OK

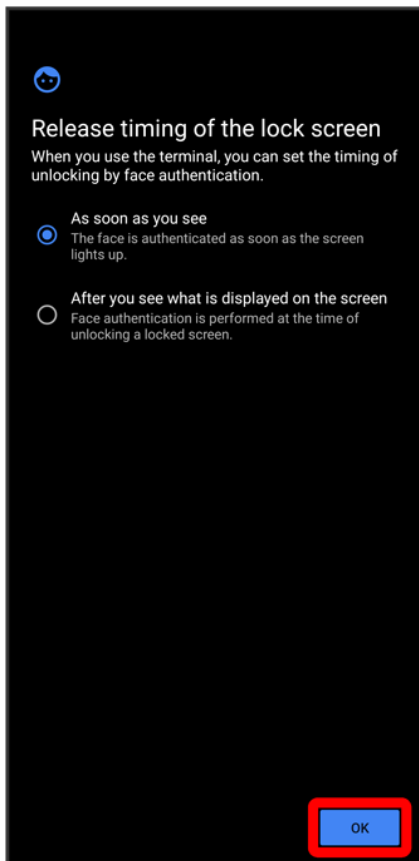




6

Align face with onscreen guides → Tap when to unlock screen → OK





 Face data is saved.

## Face Authentication Operations


### Deleting Face Data

In Security menu, **Face authentication**  Enter pattern / lock no. (PIN) / password   
**Deletion of face data**  **YES**

### Changing When to Unlock Screen after Saving Face Data

In Security menu, **Face authentication**  Enter pattern / lock no. (PIN) / password   
 Tap when to unlock screen

### Checking Overview and Precautions for Face Authentication after Saving Face Data

In Security menu, **Face authentication**  Enter pattern / lock no. (PIN) / password   
  **Face authentication/Precautions**

## Face Authentication Cautions

### Cautions for Saving Face Data

Access permission for camera is required when saving face data. To permit access, Tap **WHILE USING THE APP**.

- When Tapping **ONLY THIS TIME/DENY**, the face authentication may not operate



normally.

### **Cautions for Screen Unlock Using Face Authentication**

When 4 hours or longer passed after Display is turned off, the screen cannot be unlocked with face authentication. To unlock screen, use unlock method (Pattern/Lock No.(PIN)/Password). After unlocked, the screen can be unlocked with face authentication.



# System Settings

Make settings for language and input, date and time, backup, reset, etc.

- ↓ System Settings
- ↓ Setting 24-Hour Time Indication
- ↓ Resetting Handset









## System Settings


Settable items are the following.

Item	Description
Languages & input	Make settings for display language and text entry.
Gestures	Set whether to activate camera by pressing Power Key twice, or to activate Manner Mode by pressing Power Key and Volume Up Key simultaneously, etc.
Date & time	Make settings for date and time.
Backup	Make settings such as whether to back up application data, Wi-Fi passwords, etc. to Google Drive.
Advanced	Transfer data and update the system. See "Importing Contacts via Bluetooth® (Data Transfer)" and "Importing Data from SD Card (Data Transfer)" for details on transferring data. See "Updating the System" for details on system updates.

### + System Operations







#### Accessing Developer Options

In Home Screen,  (Settings)  About phone  Build number seven times    
 System  Advanced  Developer options

 Developer options open.

- If method for unlocking screen is setting other than None or Swipe, first Tap Build number 7 times and unlock screen.


#### Adding Languages Shown on Display

In Home Screen,  (Settings)  System  Languages & input  Languages   
Add a language  Tap language











### Setting Language Shown on Display

In Home Screen,  (Settings)  System  Languages & input  Languages 







Drag  for language to top

- Add languages beforehand.

### Deleting Added Languages









In Home Screen,  (Settings)  System  Languages & input  Languages    
 Remove  Tap languages (  )    REMOVE

### Setting Input Method

In Home Screen,  (Settings)  System  Languages & input  On-screen keyboard  Tap input method  Follow onscreen prompts








- To add/delete input method, Tap **Manage on-screen keyboards**, then follow onscreen prompts.

### Setting Language for Voice Input

In Home Screen,  (Settings)  System  Languages & input  On-screen keyboard  Google voice typing  Languages  Tap languages  SAVE








- Touch & Hold language to set it as the primary language, and follow onscreen prompts.

### Setting Spoken Results Method for Searches










In Home Screen,  (Settings)  System  Languages & input  On-screen keyboard  Google voice typing  Spoken results  Tap item

- Select **Hands-free searches only** for output only when headset connected.









### Checking Details of Languages Installed for Voice Recognition

In Home Screen,  (Settings)  System  Languages & input  On-screen keyboard  Google voice typing  Offline speech recognition  Tap language







### Downloading Languages for Voice Recognition

In Home Screen,  (Settings)  System  Languages & input  On-screen keyboard  Google voice typing  Offline speech recognition  ALL  Tap language  DOWNLOAD

### Setting Update Method for Languages for Voice Recognition

In Home Screen,  (Settings)  System  Languages & input  On-screen keyboard  Google voice typing  Offline speech recognition  AUTO-UPDATE   
Tap item







### Setting Whether to Enable Audio Recording with Bluetooth® Device



In Home Screen,  (Settings)  System  Languages & input  On-screen keyboard  Google voice typing  Bluetooth audio recording









- Tap Bluetooth audio recording to toggle on (  )/off (  ).



### Setting Whether to Enable Voice Typing with Bluetooth® Headset when Display Is Turned Off (Screen Lock)

In Home Screen,  (Settings)  System  Languages & input  On-screen keyboard  Google voice typing  Allow Bluetooth requests with device locked







- Tap Allow Bluetooth requests with device locked to toggle on (  )/off (  ).
- If confirmation appears, follow onscreen prompts.

### Setting Whether to Enable Voice Typing with Wired Headset when Display Is Turned Off (Screen Lock)

In Home Screen,  (Settings)  System  Languages & input  On-screen keyboard  Google voice typing  Allow wired headset requests with device locked






- Tap Allow wired headset requests with device locked to toggle on (  )/off (  ).
- If confirmation appears, follow onscreen prompts.

### Showing Virtual Keyboard when Using Physical Keyboard







In Home Screen,  (Settings)  System  Languages & input  Physical keyboard  Use on-screen keyboard (  )




- Tap Use on-screen keyboard to toggle on (  )/off (  ).

### Showing Shortcuts List when Using Physical Keyboard







In Home Screen,  (Settings)  System  Languages & input  Physical keyboard  Keyboard shortcuts


### Setting Whether to Check Spelling During Entry

In Home Screen,  (Settings)  System  Languages & input  Advanced  Spell checker  Use spell checker














- Tap Use spell checker to toggle on (  )/off (  ).
- Tap Languages to set languages to check spelling.
- Tap  for "Default spell checker" to set spelling check operation.

### Using Autofill Service

In Home Screen,  (Settings)  System  Languages & input  Advanced  Autofill service  Follow onscreen prompts









- Log in to a Google account beforehand.
- Tap  for "Autofill service" to make settings.

### Adding Words to Personal Dictionary








In Home Screen,  (Settings)  System  Languages & input  Advanced  Personal dictionary  For all languages/English(United States)/Japanese  +  Tap entry field  Enter words  →  Enter shortcut  ✓  ↵



### Deleting Words from Personal Dictionary








In Home Screen,  (Settings)  System  Languages & input  Advanced  Personal dictionary  For all languages/English(United States)/Japanese  Tap word(s) 


### Setting Speed of Pointer for Mouse/Trackpad

In Home Screen,  (Settings)  System  Languages & input  Advanced  Pointer speed  Drag bar to adjust speed  OK








- The longer the bar, the faster the speed.

### Setting Speech Synthesis Engine for Text-to-Speech





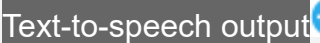
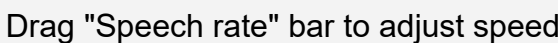
In Home Screen,  (Settings)  System  Languages & input  Advanced  Text-to-speech output  Preferred engine  Tap engine

- Tap  for "Preferred engine" to set operation of speech synthesis engine.






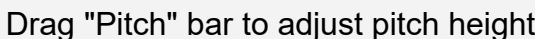
### Setting Language for Text-to-Speech

In Home Screen,  (Settings)  System  Languages & input  Advanced  Text-to-speech output  Language  Tap language







### Setting Speed for Text-to-Speech

In Home Screen,  (Settings)  System  Languages & input  Advanced  Text-to-speech output  Drag "Speech rate" bar to adjust speed







### Setting Pitch for Text-to-Speech

In Home Screen,  (Settings)  System  Languages & input  Advanced  Text-to-speech output  Drag "Pitch" bar to adjust pitch height






### Playing Sample

In Home Screen,  (Settings)  System  Languages & input  Advanced  Text-to-speech output  PLAY

### Resetting Speed/Pitch for Text-to-Speech

In Home Screen,  (Settings)  System  Languages & input  Advanced  Text-to-speech output  RESET

### Setting Whether to Activate Camera by Pressing Power Key Twice

In Home Screen,  (Settings)  System  Gestures  Quickly open camera  Quickly open camera

- Tap  to toggle on () / off ()

### Setting Whether to List Recently Used Applications by Dragging Bottom of Display Up or Tapping






In Home Screen,  (Settings)  System  Gestures  System navigation





### Gesture navigation/3-button navigation








- After selecting 3-button navigation,  appears on Navigation Bar.

### Setting Whether Lock Screen Appears by Tapping Screen Twice while Display Is Turned Off (Screen Lock)

In Home Screen,  (Settings)  System  Gestures  Doubletap display to show lock screen  Doubletap display to show lock screen






- Tap Doubletap display to show lock screen to toggle on () / off ()

### Setting Whether Manner Mode Is Activated by Pressing Power Key and Volume Up Key

In Home Screen,  (Settings)  System  Gestures  Prevent ringing  Off   
/ On 







- Tap Off  to toggle On () , On  to toggle Off ()



### Setting Manner Mode That Is Activated by Pressing Power Key and Volume Up Key

In Home Screen,  (Settings)  System  Gestures  Prevent ringing  Vibrate/Mute






- Available when "Prevent ringing" is On.



### Setting Whether to Operate Connected Device in Screen Displayed when Long Pressing Power Key

In Home Screen,  (Settings)  System  Gestures  Power menu  Device controls  Show device controls





- Tap Show device controls to toggle on () / off ()

### Setting Whether to Operate Connected Device in Lock Screen

In Home Screen,  (Settings)  System  Gestures  Power menu  Sensitive content







- Tap Sensitive content to toggle on () / off ()
- Set pattern / lock no. (PIN) / password for unlocking screen beforehand.
- Available when Show device controls is enabled.

### Setting Whether to Use Date Information from Network

In Home Screen,  (Settings)  System  Date & time  Use network-provided time

- Tap Use network-provided time to toggle on () / off ()





### Setting Date and Time Manually

In Home Screen,  (Settings)  System  Date & time  Date/Time  Specify date/time  OK

- Available when Use network-provided time is disabled.









### Setting Whether to Use Time Zone Information from Network

In Home Screen,  (Settings)  System  Date & time  Use network-provided time zone

- Tap Use network-provided time zone to toggle on ()/off ().



### Setting Time Zone Manually

In Home Screen,  (Settings)  System  Date & time  Time zone  Region  Select region







- Available when Use network-provided time zone is disabled.

### Setting Backup to Google Drive

In Home Screen,  (Settings)  System  Backup  Back up to Google Drive

- Tap Back up to Google Drive to toggle on ()/off (.
- Log in to a Google account beforehand.
- If confirmation appears, follow onscreen prompts.
- When Back up to Google Drive is enabled, Back up now to back up to Google Drive.

### Setting Backup Account

In Home Screen,  (Settings)  System  Backup  Account  Tap account  OK







- Available when Back up to Google Drive is enabled.
- To add account, Tap Add account, then follow onscreen prompts.

### Resetting Network Settings








In Home Screen,  (Settings)  System  Advanced  Reset options  Reset Wi-Fi, mobile & Bluetooth  RESET SETTINGS  RESET SETTINGS

- If method for unlocking screen is setting other than None or Swipe, first Tap RESET SETTINGS and unlock screen.

### Resetting Application Settings

In Home Screen,  (Settings)  System  Advanced  Reset options  Reset app preferences  RESET APPS


### Setting Whether to Send Feedback on Hardware

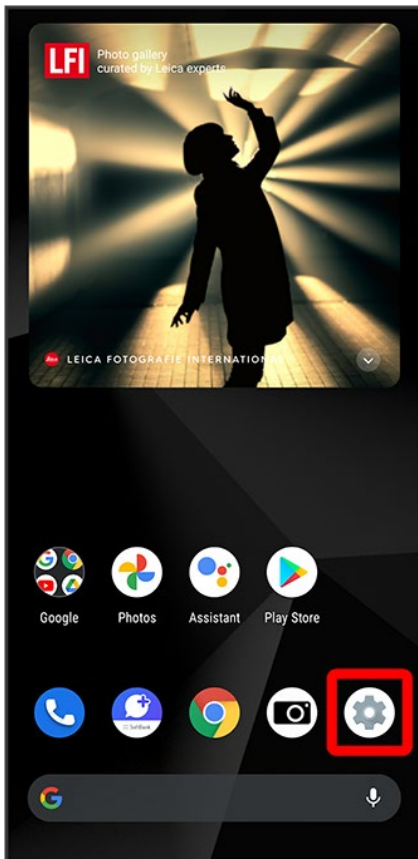
In Home Screen,  (Settings)  System  Advanced  Hardware Feedback  / 



# Setting 24-Hour Time Indication

1

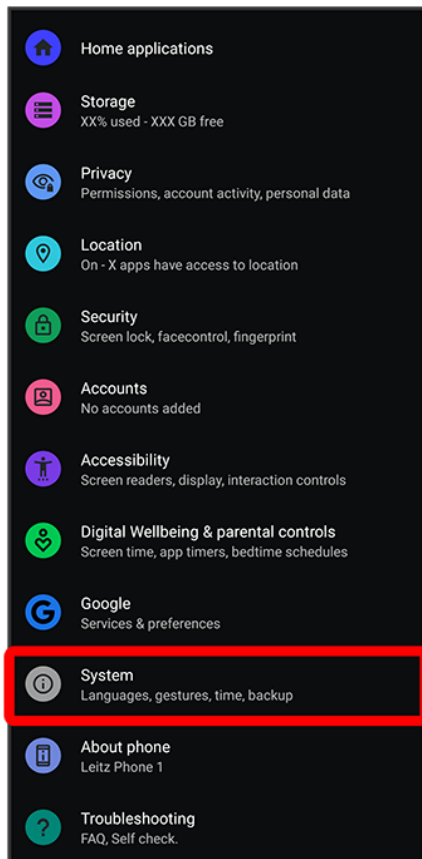
In Home Screen,  (Settings)



2

System

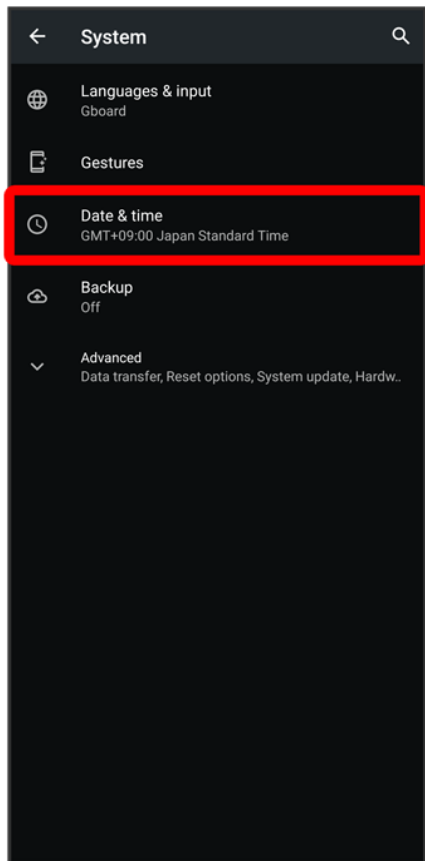




3

## Date & time

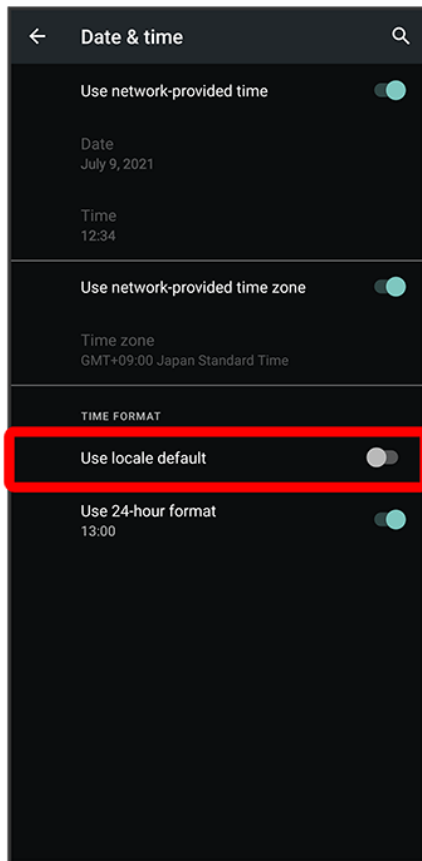









4

Use locale default (  )






 24-hour or 12-hour format is automatically set depending on your language and region.

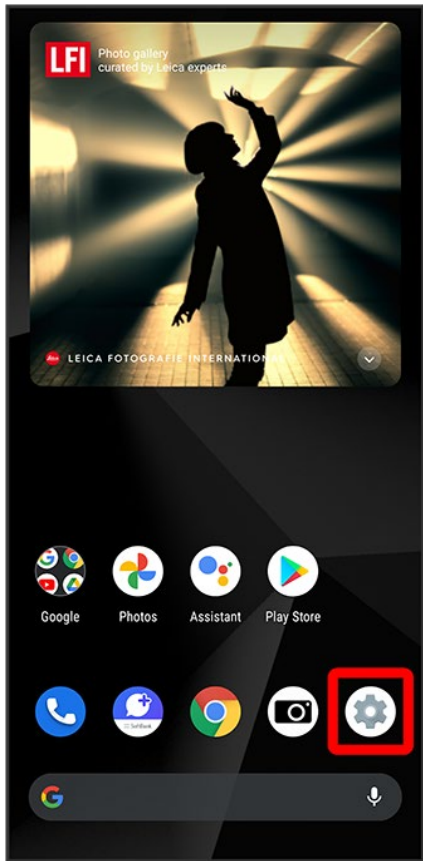
- Tap **Use locale default** to toggle on () / off () .
- When **Use locale default** is disabled, Tap **Use 24-hour format** to toggle 24-hour format () / 12-hour format () .

## Resetting Handset

1

In Home Screen,  (Settings)

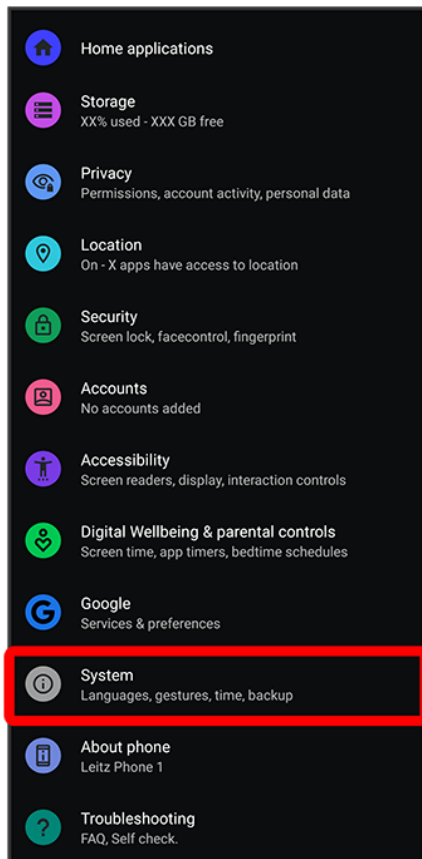




2

System



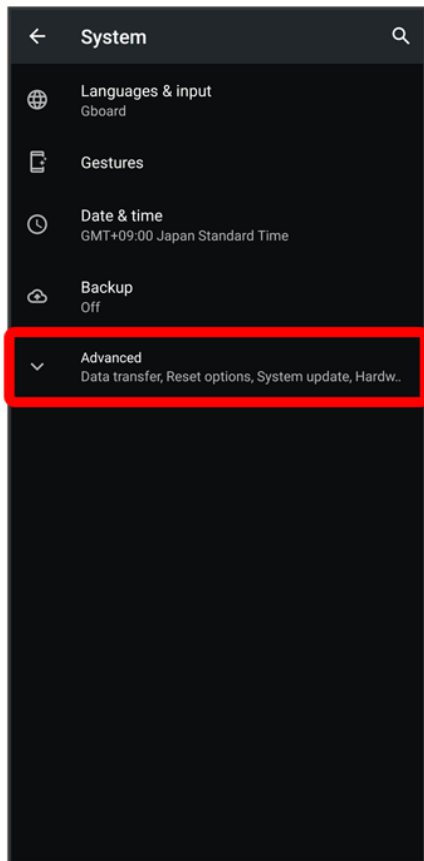


3

---

## Advanced



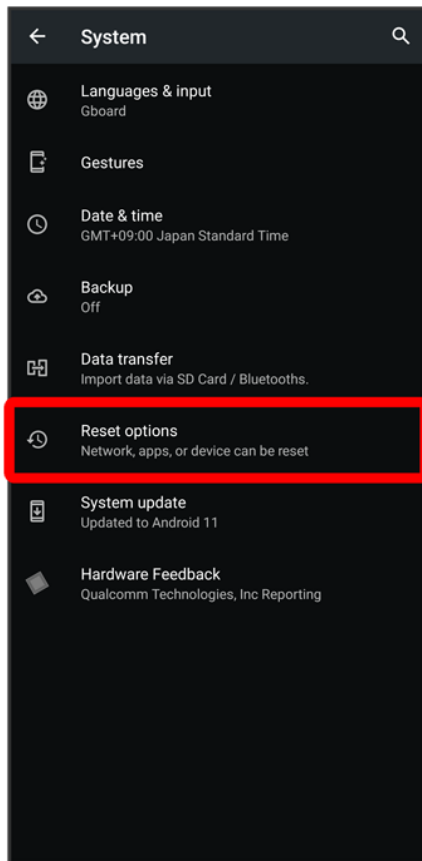


4

---

## Reset options

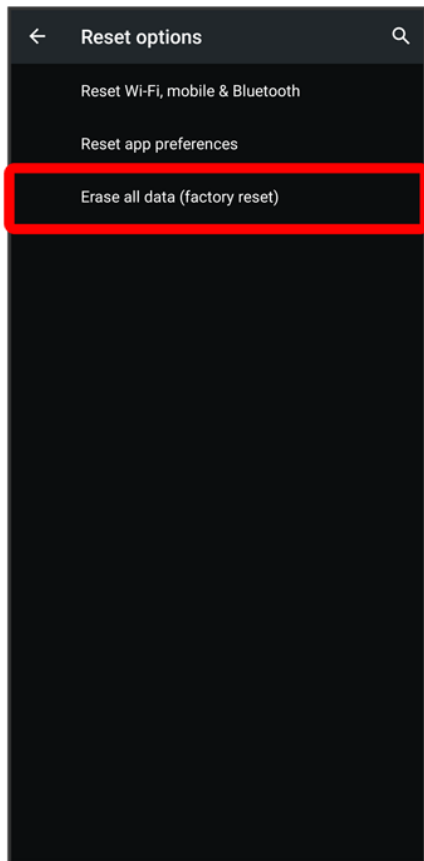




5

Erase all data (factory reset)

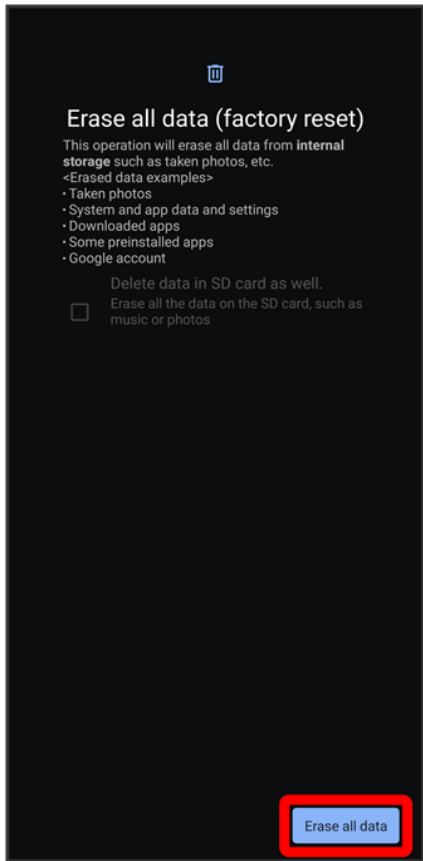




6

Erase all data





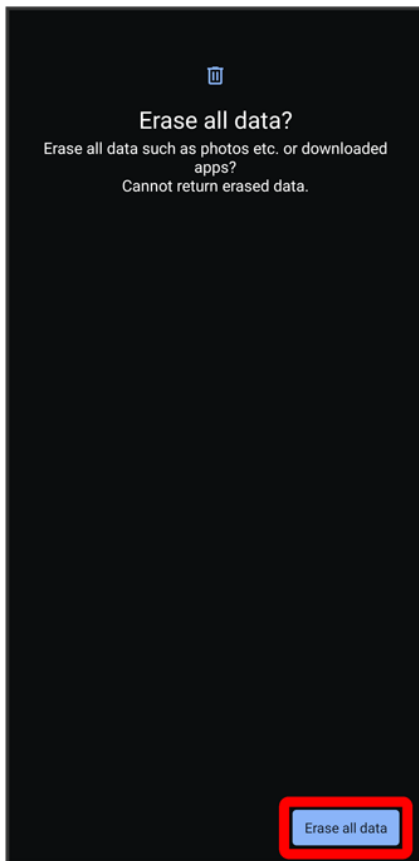
- To also erase SD Card data, Tap **Delete data in SD card as well.** (✓).
- Unlocks screen when unlock method is setting other than **None** or **Swipe**.

7

---

**Erase all data**





 Handset is reset.

### **Cautions when Erasing All Data (Factory Reset)**

Observe the following when erasing all data (factory reset).

- Erasing all data (factory reset) deletes all data in internal storage irreversibly. Back up important data beforehand.
- Deleted content cannot be restored. Reset with caution.



# Other Handset Settings

- Phone Number
- Network & Internet
- Connected Devices
- Applications & Notifications
- Home Applications
- Storage
- Accounts
- Accessibility
- Digital Wellbeing & Parental Controls
- Google
- About Phone
- Troubleshooting

## Phone Number

See "Checking Your Phone Number" for details on phone number.

## Network & Internet

Make network and Internet settings for Wi-Fi, mobile network, hotspot tethering, etc. Settable items are the following.

Item	Description
Wi-Fi	Enable Wi-Fi connection. See "Connecting by Wi-Fi" for details.
Mobile network	Configure mobile network settings. See "Global Roaming" for details on roaming, automatic network selection, and network selection. See "Data Usage Settings" for details on application data usage as well as data usage alert and limit.
Airplane mode	Set whether to stop signal-transmitting functions



Hotspot & tethering	Make tethering settings. See "Using Tethering" for details.
Data Saver	Make settings for Data Saver.
Advanced	Make settings for VPN and Private DNS.



## Network & Internet Operations

### Setting Whether to Enable All Communications over Mobile Network

In Home Screen, (Settings) → Network & internet → Mobile network → Use SIM / Off .

■ Tap Off to switch to Use SIM , and Tap Use SIM to switch to Off .

### Setting Whether to Use Mobile Data

In Home Screen, (Settings) → Network & internet → Mobile network → Mobile data .

■ Tap Mobile data to toggle on ( )/off ( ).

### Setting Whether to Use LTE for Voice Calling

In Home Screen, (Settings) → Network & internet → Mobile network → 4G Calling .

■ Tap 4G Calling to toggle on ( )/off ( ).

### Using 5G/4G LTE/4G/3G Network

In Home Screen, (Settings) → Network & internet → Mobile network → Preferred network type → 5G (recommended)/4G/3G ( ).

### Adding Access Points

In Home Screen, (Settings) → Network & internet → Mobile network → Advanced → Access Point Names → → Tap item → Set/enter each item → Save.

### Deleting Added Access Points

In Home Screen, (Settings) → Network & internet → Mobile network → Advanced → Access Point Names → → Reset to default.

### Setting Whether to Stop Signal-Transmitting Functions

In Home Screen, (Settings) → Network & internet → Airplane mode .

■ Tap Airplane mode to toggle on ( )/off ( ).

### Setting Data Saver

In Home Screen, (Settings) → Network & internet → Data Saver → Use Data Saver .



■ Tap Use Data Saver to toggle on ( )/off ( ).

### Setting Whether to Exclude Application(s) from Data Saver


In Home Screen, (Settings) → Network & internet → Data Saver → Unrestricted.




data → Tap application name


- Tap application name to toggle on (  )/off (  ).

### Adding VPN Destinations

In Home Screen,  (Settings) → Network & internet → Advanced → VPN → + → Set/enter details → SAVE

- Tap an added VPN to connect/disconnect it. Tap  to edit/delete it.

### Setting Private DNS

In Home Screen,  (Settings) → Network & internet → Advanced → Private DNS → Tap item → SAVE

- After Tapping Private DNS provider hostname, enter hostname.

## Connected Devices


Make Bluetooth® and other device connection settings. Settable items are the following.

- Names and status of devices connected by Bluetooth® and USB appear at top of Display.


Item	Description
Pair new device	Search for and pair nearby Bluetooth® devices. See "Pairing Bluetooth® Devices" for details.
Connection preferences	Make settings for Bluetooth® connection, NFC/Osaifu-Keitai® operation, etc. For details on Bluetooth®, see "Using Bluetooth® Function." For details on NFC/Osaifu-Keitai®, see "NFC／おサイフケータイ®を利用する" (Japanese). For details on files received with Bluetooth®, see "Receiving Data via Bluetooth® (e.g., Address Book)."

### + Connected Device Operations


#### Viewing Handset Screen on Other Device

In Home Screen,  (Settings) → Connected devices → Connection preferences → Cast → Tap target device → START NOW

#### Making Printing Settings






In Home Screen,  (Settings) → Connected devices → Connection preferences → Printing → Follow onscreen prompts

#### Making Chromebook™ Settings






In Home Screen,  (Settings) → Connected devices → Connection preferences → Chromebook → Follow onscreen prompts



### Making Nearby Share Settings

In Home Screen,  (Settings)  Connected devices  Connection preferences   
Nearby Share  Follow onscreen prompts

### Making Android Auto™ Settings

In Home Screen,  (Settings)  Connected devices  Connection preferences   
Android Auto  Follow onscreen prompts



### Cautions for Using Cast

Connection with Miracast® device is not supported.

## Applications & Notifications

Make notification and application settings applications. Settable items are the following.

- Any recently used applications appear in "Recently opened apps."
- For details on Permission manager and Battery optimization, see "Confirmation when First Activating Applications."

Item	Description
<b>SEE ALL XX APPS</b>	Check and make settings for installed applications.
<b>Conversations</b>	Check conversations set as high priority or with their settings changed.
<b>Notifications</b>	Make settings for notification history, bubbles, applications recently sending notifications, Do Not Disturb, etc. See "Sound Settings" for details on Do Not Disturb.
<b>Screen time</b>	Check history of total duration of handset use. Also restrict usage of individual applications. See "Digital Wellbeing & Parental Controls" for details.
<b>Default apps</b>	Make settings for digital assistant application, and set default application for Browser, Home Screen, Phone, Caller ID/Spam Call, SMS, etc.
<b>Advanced</b>	Make settings for permission manager, emergency broadcasts, and special application access. See "緊急速報メールを利用する" (Japanese) for details on emergency broadcasts.



### Bubble Function






Bubble function is available only for compatible applications.









### Application and Notification Operations










## Making Application Settings

In Home Screen,  (Settings)  Apps & notifications  SEE ALL XX APPS  Tap application name  Set each item

## View System Applications

In Home Screen,  (Settings)  Apps & notifications  SEE ALL XX APPS    
 Show system






## Resetting Application Settings



In Home Screen,  (Settings)  Apps & notifications  SEE ALL XX APPS    
 Reset app preferences  RESET APPS

## Checking Conversations Set as High Priority or Changed their Settings






In Home Screen,  (Settings)  Apps & notifications  Conversations

## Setting Whether to Show Recent Notifications and Notifications Set to Snoozing

In Home Screen,  (Settings)  Apps & notifications  Notifications  Notification history  Use notification history






- Tap Use notification history to toggle show () / hide (.
- Notifications received after Use notification history is enabled are shown.

## Setting Whether to Allow Applications to Show Bubbles

In Home Screen,  (Settings)  Apps & notifications  Notifications  Bubbles   
Allow apps to show bubbles





- Tap Allow apps to show bubbles to toggle show () / hide (.



## Setting Alerting and Silent Notifications to Appear in Lock Screen

In Home Screen,  (Settings)  Apps & notifications  Notifications  Notifications on lock screen  Show conversations, default, and silent / Hide silent conversations and notifications





- Tap Don't show any notifications not to show alerting and silent notifications.

## Setting Whether to Show Sensitive Notifications in Lock Screen



In Home Screen,  (Settings)  Apps & notifications  Notifications  Sensitive notifications

- Tap Sensitive notifications to toggle show () / hide (.
- Sensitive notifications appears when unlock method is setting other than None or Swipe.






## Setting Whether to Hide Notification Viewed in Lock Screen so New Notifications Are Easier to View



In Home Screen,  (Settings)  Apps & notifications  Notifications  Organize notifications on the lock screen








- Tap **Organize notifications on the lock screen** to toggle on (  )/off (  ).
- Notifications that cannot be deleted still appear even when **Organize notifications on the lock screen** is on.
- Notification Indicators on Status Bar are not hidden.

### Setting Whether to Hide Silent Notification on Status Bar

In Home Screen,  (Settings)  **Apps & notifications**  **Notifications**  **Advanced**  **Hide silent notifications in status bar**






- Tap **Hide silent notifications in status bar** to toggle show (  )/hide (  ).

### Setting Whether to Allow Notification Snoozing

In Home Screen,  (Settings)  **Apps & notifications**  **Notifications**  **Advanced**  **Allow notification snoozing**






- Tap **Allow notification snoozing** to toggle show (  )/hide (  ).



### Setting Whether Show Suggested Actions and Replies Automatically when Notifications Arrive

In Home Screen,  (Settings)  **Apps & notifications**  **Notifications**  **Advanced**  **Suggested actions and replies**







- Tap **Suggested actions and replies** to toggle show (  )/hide (  ).

### Showing/Hiding Notification Dots






In Home Screen,  (Settings)  **Apps & notifications**  **Notifications**  **Advanced**  **Allow notification dots**

- Tap **Allow notification dots** to toggle show (  )/hide (  ).






### Setting Sound for Notifications


In Home Screen,  (Settings)  **Apps & notifications**  **Notifications**  **Advanced**  **Default notification sound**  **Follow onscreen prompts**

### Setting Digital assistant Applications





In Home Screen,  (Settings)  **Apps & notifications**  **Default apps**  **Digital assistant app**  **Follow onscreen prompts**

### Setting Default Applications for Browser, Home Screen, Phone, Caller ID/Spam Applications, SMS, etc.

In Home Screen,  (Settings)  **Apps & notifications**  **Default apps**  **Browser app**/**Caller ID & spam app**/**Digital assistant app**/**Home app**/**Phone app**/**SMS app**  Tap application name

- Tap  for "Home app" to set Home Screen application.

### Setting Integration with Other Applications, Etc.

In Home Screen,  (Settings)  **Apps & notifications**  **Default apps**  **Opening**



links → Follow onscreen prompts

### Make Settings for Special Application Access

In Home Screen, (Settings) → Apps & notifications → Advanced → Special app access → Set each item

## Home Applications

Change the home application. You can change to a home application installed via Google Play.

Item	Description
Home	Change home application to Home.
Simple Home	Change home application to Simple Home.

## Storage

Check memory space of internal storage, USB drive and SD Card, mount or unmount SD Card, erase data on SD Card, etc. Settable items are the following.

■ Available items vary depending on USB drive status.

Item	Description
Internal shared storage	View information on internal storage usage.
(USB drive name) <sup>1</sup>	Check data saved on USB drive.
SD Card	Check data saved on SD Card. Mount or unmount SD Card, encrypt SD Card, etc. For details on mounting/unmounting SD Card, see "Internal Storage and SD Card."

1 Appears when the USB host function is in use. See "USBホスト機能を利用する" (Japanese) for details.

### + Storage Operations

#### Checking Data Saved in Internal Storage

In Home Screen, (Settings) → Storage → Files  
■ If SD Card is installed, Tap Internal shared storage → Files.

#### Encrypting/Decrypting SD Card Data

In Home Screen, (Settings) → Storage → SD card → Storage settings → Encrypt/Release encryption → CONFIRM → Enter lock no. (PIN)/password to unlock screen → START  
■ Set lock no. (PIN)/password for unlocking screen beforehand.



- If confirmation appears, follow onscreen prompts.

## **Cautions for SD Card Encryption/Decryption**

Observe the following when encrypting/decrypting SD Card data.

- Charge handset adequately beforehand, and keep handset charged during the process.
- Set lock no. (PIN)/password for unlocking screen beforehand.
- Encryption/decryption is not available if there is not enough free space on SD Card.
- Encrypted SD Card cannot be used on any device other than the one used for encrypting the SD Card.
- To use encrypted SD Card normally, decrypt the SD Card.
- If you reset handset with SD Card encrypted, data on the SD Card becomes unusable. Disable encryption before resetting handset.
- An unencrypted SD Card becomes read-only when installed in a device that has been used for encrypting another SD Card.
- To write to read-only SD Card, encrypt it.
- SD Card encryption/decryption may take some time. Do not stop charging or remove SD Card during the process. If the process is interrupted, SD Card data may be lost.






## Accounts

Create or add accounts. Make settings for syncing created or added accounts. Settable items are the following.






Item	Description
<b>Add account</b>	Create or add accounts.
<b>Automatically sync app data</b>	Set whether to automatically sync data.



### **Account Operations**

#### **Adding an Account**

In Home Screen,  (Settings)  Accounts  Add account  Tap type of account to add  Follow onscreen prompts





#### **Setting Applications to Sync for Each Account**




In Home Screen,  (Settings)  Accounts  Tap account  Account sync  Tap applications and data to sync

- Tap sync item to toggle on () / off (.

#### **Setting Whether to Automatically Sync Data**





In Home Screen,  (Settings)  Accounts  Automatically sync app data  OK

■ Tap Automatically sync app data  OK to toggle on () / off ().

## Accessibility

Set captions, magnification gestures, and other useful accessibility functions. Settable items are the following.






Item	Description
<b>Text-to-speech output</b>	Make detailed voice-to-text settings. See "System Settings" for details.
<b>Font size</b>	Set the size of text appearing in Display. See "Setting Font Size" for details.
<b>Display size</b>	Set the size of images, icons, etc. in Display. See "Setting Size of Images and Icons" for details.
<b>Dark theme</b>	Set whether to enable Dark theme and time for using Dark theme. See "Display Settings" for details.
<b>Magnification</b>	Set whether to enable enlarged view by using a shortcut.
<b>Color correction</b>	Set whether to correct colors when red and green are indistinguishable, etc.
<b>Color inversion</b>	Set whether to invert Display colors, etc.
<b>Large mouse pointer</b>	Set whether to use a large pointer.
<b>Remove animations</b>	Set whether not to show animation when Tapping setting switch (  /  ).
<b>Autoclick (dwell timing)</b>	When using Mouse/Trackpad, set time until clicking when pointer is stopped.
<b>Power button ends call</b>	Set whether to end call by Pressing Power Key during a call.
<b>Auto-rotate screen</b>	Set whether to rotate Display with handset orientation automatically. See "Display Settings" for details.
<b>Touch &amp; hold delay</b>	Set time to press Display for Touch & Hold.
<b>Time to take action (Accessibility timeout)</b>	Set time to show messages visible temporarily.
<b>Vibration &amp; haptic strength</b>	Set whether handset vibrates for arriving calls and messages.
<b>System navigation</b>	Make Navigation Bar settings.







	See "Convenient Operation Settings" and "System Settings" for details.
<b>Live Caption</b>	Set whether to show captions automatically when playing media, etc. See "Sound Settings" for details.
<b>Mono audio</b>	Set whether to use monaural audio playback.
<b>Audio balance</b>	Set left/right balance of audio.
<b>Caption preferences</b>	Make settings for captions.
<b>High contrast text</b>	Set whether to make onscreen text easier to read, such as by using outlines.
<b>Advanced</b>	Set whether to enable enlarged view or color correction, or color inversion by long pressing Volume Up/Down keys simultaneously in Lock Screen.





## Accessibility Operations



### Setting Whether to Enable Enlarged View by Using Shortcut

In Home Screen,  (Settings)  Accessibility  Magnification   for "Magnification shortcut"






- If confirmation appears, follow onscreen prompts.
- Tap  to toggle on (,  to toggle off ().
- Tap **Magnification shortcut** to set shortcut type. Follow onscreen prompts.





### Setting Whether to Correct Colors when Red and Green Are Indistinguishable

In Home Screen,  (Settings)  Accessibility  Color correction  **Use color correction**





- Tap **Use color correction** to toggle on () / off (.
- Tap **Deuteranomaly/Protanomaly/Tritanomaly** to select a mode.

### Setting Whether to Correct Color by Using Shortcut

In Home Screen,  (Settings)  Accessibility  Color correction   for "Color correction shortcut"

- If confirmation appears, follow onscreen prompts.
- Tap  to toggle on (,  to toggle off (.
- Tap **Color correction shortcut** to set shortcut type. Follow onscreen prompts.






### Setting Whether to Invert Display Colors





In Home Screen,  (Settings)  Accessibility  Color inversion  **Use color inversion**

- Tap **Use color inversion** to toggle on () / off (.



### Setting Whether to Invert Display Color by Using shortcut

In Home Screen,  (Settings)  Accessibility  Color inversion   for "Color inversion shortcut"

- If confirmation appears, follow onscreen prompts.
- Tap  to toggle on (,  to toggle off ().
- Tap **Color inversion shortcut** to set shortcut type. Follow onscreen prompts.



### Setting Whether to Use a Large Pointer

In Home Screen,  (Settings)  Accessibility  Large mouse pointer





- Tap **Large mouse pointer** to toggle on () / off (.

### Setting Whether Not to Show Animation when Tapping Setting Switch ()

In Home Screen,  (Settings)  Accessibility  Remove animations

- Tap **Remove animations** to toggle on () / off (.

### When Using Mouse/Trackpad, Setting Time until Clicking when Pointer Is Stopped

In Home Screen,  (Settings)  Accessibility  Autoclick (dwell timing)   
**Off/Short/Medium/Long/Custom**

- If **Custom** is selected, drag bar to adjust time until clicking.

### Setting Whether to End Call by Pressing Power Key during Call





In Home Screen,  (Settings)  Accessibility  Power button ends call

- Tap **Power button ends call** to toggle on () / off (.






### Setting Time to Press Display for Touch & Hold

In Home Screen,  (Settings)  Accessibility  Touch & hold delay  Tap item

### Setting Time to Show Messages Visible Temporarily






In Home Screen,  (Settings)  Accessibility  Time to take action (Accessibility timeout)  Tap time

### Setting Whether Handset Vibrates for Incoming Calls, Etc.






In Home Screen,  (Settings)  Accessibility  Vibration & haptic strength  Ring vibration  On/Off

- Set **Vibrate for calls** beforehand. See "Setting Vibration for Incoming Calls" for details.

### Setting Whether Handset Vibrates when Receiving Messages

In Home Screen,  (Settings)  Accessibility  Vibration & haptic strength   
**Notification vibration**  On/Off




### Setting Whether Handset Vibrates when Tapping Dialpad, Keyboard, Etc.



In Home Screen,  (Settings)  Accessibility  Vibration & haptic strength   
**Touch feedback**  On/Off






- Enable **Touch vibration** beforehand. See "Sound Settings" for details.

### Setting Whether to Use Monaural Audio Playback





In Home Screen,  (Settings)  **Accessibility**  **Mono audio**



- Tap **Mono audio** to toggle on () / off ()

### Setting Left/Right Balance of Audio







In Home Screen,  (Settings)  **Accessibility**  Drag bar for "Audio balance" to adjust left/right balance

### Setting Whether to Show Captions







In Home Screen,  (Settings)  **Accessibility**  **Caption preferences**  **Show captions**

- Tap **Show captions** to toggle on () / off ()

### Setting How Captions Shown

In Home Screen,  (Settings)  **Accessibility**  **Caption preferences**  **Caption size and style**  **Text size/Caption style**  Tap item

### Setting Caption Language





In Home Screen,  (Settings)  **Accessibility**  **Caption preferences**  **More options**  **Language**  Tap language



### Making Text Easier to See by Adding Outline, Etc.

In Home Screen,  (Settings)  **Accessibility**  **High contrast text**

- Tap **High contrast text** to toggle on () / off ()

### Setting Whether to Enable Enlarged View or Color Correction, or Color Inversion by Long Pressing Volume Up/Down keys Simultaneously in Lock Screen

In Home Screen,  (Settings)  **Accessibility**  **Advanced**  **Shortcut from lock screen**

- Tap **Shortcut from lock screen** to toggle on () / off ()
- Set **Magnification shortcut/Color correction shortcut/Color inversion shortcut** to **Hold volume keys** beforehand.

## Digital Wellbeing & Parental Controls

Prevent excessive handset use by setting timers for each application or showing number of notifications received and frequency of screen unlocking, etc. Settable items are the following.

Item	Description
<b>XX minutes/XXhXXm<sup>1</sup></b>	View total duration of handset use today.








<b>Dashboard<sup>1</sup></b>	Check history of total duration of handset use. Also restrict usage of individual applications.
<b>Bedtime mode<sup>1</sup></b>	Activate Bedtime Mode at specified time.
<b>Focus mode<sup>1</sup></b>	Pause applications that might be a distraction. Also specify day and time.
<b>Manage notifications<sup>1</sup></b>	Manage application notifications.
<b>Do Not Disturb<sup>1</sup></b>	Make Do Not Disturb settings. See "Sound Settings" for details.
<b>Show icon in the app list<sup>1</sup></b>	Set whether to show Digital Wellbeing as application in app list.
<b>Set up parental controls</b>	Set controls on usage as a parent/guardian.








<sup>1</sup> If hidden, Tap **Show your data** first.

## **Digital Wellbeing & Parental Controls Operations**

### **Checking Handset Use Time, Frequency of Notifications, and Frequency of Screen Unlocking**









In Home Screen,  (Settings)  Digital Wellbeing & parental controls  Dashboard  
 Screen time  Screen time/Notifications received/Times opened

### **Checking Handset Use Time, Frequency of Notifications, and Number of Activations for Each Application**

In Home Screen,  (Settings)  Digital Wellbeing & parental controls  Dashboard  
 Show all XX apps  Tap application name  Screen time  Screen  
time/Notifications received/Times opened







- Tap **Daily/Hourly** to check use time, frequency of notifications, and number of activations per day or per hour.

### **Setting Limit on Daily Use Time for Each Application**






In Home Screen,  (Settings)  Digital Wellbeing & parental controls  Dashboard  
 Show all XX apps  Tap application name  App timer  Set hours/minutes   
OK

- As set limits are then reached, icons for the applications turn gray and applications cannot be used until next day.
- May not be usable with some applications.

### **Removing Set Limit on Use**

In Home Screen,  (Settings)  Digital Wellbeing & parental controls  Dashboard  
 Tap application name  

### **Setting Bedtime Mode**



In Home Screen,  (Settings)  Digital Wellbeing & parental controls  Bedtime  
mode  Based on your schedule/While charging at bedtime  Follow onscreen





prompts






- If confirmation appears, follow onscreen prompts.
- To cancel the setting, Tap **Off**.
- Enabling **Based on your schedule**/**While charging at bedtime** adds Do Not Disturb schedule. See "Sound Settings" for details on Do Not Disturb.



### Setting Whether to Activate Do Not Disturb while Bedtime Mode is Activated

In Home Screen,  (Settings)  **Digital Wellbeing & parental controls**  **Bedtime mode**  **Customize**  **Do Not Disturb**






- Tap **Do Not Disturb** to toggle on () / off ().

### Setting Whether to Hide Screen Colors while Bedtime Mode is Activated

In Home Screen,  (Settings)  **Digital Wellbeing & parental controls**  **Bedtime mode**  **Customize**  **Grayscale**









- Tap **Grayscale** to toggle on () / off ().

### Setting Whether Screen Remains Dark while Bedtime Mode is Activated














In Home Screen,  (Settings)  **Digital Wellbeing & parental controls**  **Bedtime mode**  **Customize**  **Keep the screen dark**

- Tap **Keep the screen dark** to toggle on () / off ().






### Setting Days to Activate Focus Mode

In Home Screen,  (Settings)  **Digital Wellbeing & parental controls**  **Focus mode**  **Show all XX apps**  **Select applications**  **Set a schedule**  **Tap days**  **SET**







### Setting Time to Activate Focus Mode


In Home Screen,  (Settings)  **Digital Wellbeing & parental controls**  **Focus mode**  **Show all XX apps**  **Select application**  **Set a schedule**  **Start**  **Specify time**  **OK**  **End**  **Specify time**  **OK**  **SET**

### Deleting Schedule Set for Focus Mode

In Home Screen,  (Settings)  **Digital Wellbeing & parental controls**  **Focus mode**   for "schedule"

### Enabling Focus Mode

In Home Screen,  (Settings)  **Digital Wellbeing & parental controls**  **Focus mode**  **Show all XX apps**  **Select applications**  **TURN ON NOW**

- To cancel the setting, Tap **TURN OFF NOW**.
- Tap **TAKE A BREAK**  and the end time to temporarily turn off Focus Mode.

### Managing Application Notifications

In Home Screen,  (Settings)  **Digital Wellbeing & parental controls**  **Manage**



notifications → Follow onscreen prompts

### Setting Whether to Show Digital Wellbeing as Application in App List

In Home Screen, ⚙️ (Settings) → Digital Wellbeing & parental controls → Show icon in the app list

■ Tap Show icon in the app list to toggle on (🟢) to toggle on (🟡).

### Setting Parental Controls

In Home Screen, ⚙️ (Settings) → Digital Wellbeing & parental controls → Set up parental controls → Follow onscreen prompts

## Google

Make settings for Google services. Settable items are the following.

■ Log in to a Google account beforehand.

Item	Description
<b>Manage your Google Account</b>	Make settings for a Google account.
<b>Ads</b>	Make settings for your advertising ID.
<b>Autofill</b>	Set whether to autofill information saved to your Google account such as password, or your SMS verification code.
<b>Backup</b>	Make backup settings.
<b>Devices &amp; sharing</b>	Set to whether to control directly from Notifications Window when playing media on TV or speaker equipped with Chromecast, etc. on the same Wi-Fi network, to set notifications about device near Handset, or to share files using Nearby Share.
<b>Find My Device</b>	Set whether location is shown if handset is lost.
<b>Mobile data &amp; messaging</b>	Configure messages to be exchangeable between handsets using differing applications, and set a phone number to allow you to reset your Google account.
<b>Parental controls</b>	Set controls on usage as a parent/guardian.
<b>Personalize using shared data</b>	Set whether to allow use of shared data.
<b>Set up &amp; restore</b>	Make settings for work profile and nearby devices, and restore contacts from a backup.
<b>Settings for Google apps</b>	Make settings for recording walking and running activity, managing your weight, etc. with services



such as Google Fit™ and Google Play Instant.







## About Phone

Check and make settings for handset information. Items that can be set/checked are the following.

Item	Description
Device name	Change handset name.
Phone number	Check phone number.
Emergency information	Edit emergency information.
Legal information	Check third-party licenses, Google terms of service, etc.
Authentication	Check information on Technical Conformance Certification or Checking VCCI Information.
Adjust sensitivity of sensor	Calibrate motion and electromagnetic sensors.
Battery status	Check depletion of Battery.
SIM status	Check SIM Card status.
Model & hardware	Check model name, serial number, etc.
IMEI	Check IMEI barcode.
Android version	Check the Android version.
IP address	Check the IP address.
Wi-Fi MAC address	Check the MAC address.
Device Wi-Fi MAC address	Check the Wi-Fi MAC address of the device.
Bluetooth address	Check the Bluetooth® address.
Up time	Check handset operation time.
Build number	Check the build number.

### + About Phone Operations

#### Changing Handset Name

In Home Screen,  (Settings)  About phone  Device name  Enter handset name  OK  OK

#### Your Phone Number, Checking Battery Level, and Other Handset Status

In Home Screen,  (Settings)  About phone






- Next, **Battery status** to check battery depletion.
- Next, **IMEI** to check IMEI barcode.

#### Editing Emergency Information






Save your own medical information (name, address, blood type, allergies, etc.) to









handset as emergency information.

In Home Screen,  (Settings)  About phone  Emergency information  Add information  Set/enter each item








### Adding Emergency Contact

In Home Screen,  (Settings)  About phone  Emergency information  Add contact  Tap contact

### Deleting Emergency Contacts

In Home Screen,  (Settings)  About phone  Emergency information   for contact  REMOVE

### Erasing All Emergency Information





In Home Screen,  (Settings)  About phone  Emergency information    Clear all  CLEAR

### Checking Emergency Information

In lock screen, Flick up  Emergency  EMERGENCY INFORMATION twice

- Use if method for unlocking screen is setting other than **None** or **Swipe**. See "Setting Screen to Unlock by Tracing Pattern," "Requiring Lock No. (PIN) Entry for Unlocking Screen," and "Setting Screen to Unlock with Password" for details on setting a method for unlocking screen.

### Checking Third-Party Licenses, Google Terms of Service, Etc.

In Home Screen,  (Settings)  About phone  Legal information  Follow onscreen prompts

### Checking Technical Conformance Certification

Handset conforms to technical standards under the Radio Law and Telecommunications Business Law.







In Home Screen,  (Settings)  About phone  Authentication

### Checking VCCI Information

Handset conforms to technical standards under the VCCI regulations, and is indicated by the conformance mark on handset electronic nameplate.

In Home Screen,  (Settings)  About phone  Authentication

### Adjusting Motion Sensor/Magnetic Sensor

In Home Screen,  (Settings)  About phone  Adjust sensitivity of sensor  OK  Follow onscreen prompts (until completion tone sounds)  OK






# Troubleshooting

Check FAQ on Support Website and do a self-check.






Item	Description
FAQ	Check FAQ on Support Website.
Search for settings	Search for items in settings menu.
Self check	Perform a self-check.


## + Troubleshooting Operations

### Checking FAQ on Support Website







In Home Screen,  (Settings)  Troubleshooting  FAQ


### Searching for Items in Settings Menu



In Home Screen,  (Settings)  Troubleshooting  Search for settings  Enter search text 

 Search results appear.







### Performing Self-Check

In Home Screen,  (Settings)  Troubleshooting  Self check  DIAGNOSE   
CHOOSE FROM THE SYMPTOMS./CHOOSE THE PLACE THAT YOU WANT TO  
DIAGNOSE.  Follow onscreen prompts








 Diagnosis results appear.

- Tap **Secure storage** to delete cache used by the application.
- Tap **Frequently Asked Questions** to check FAQ on Support Website.
- Tap diagnosis result for detailed result screen.
- Use Power Key for self-check (Long Press)  Think if it might be a malfunction?   
CHOOSE FROM THE SYMPTOMS./CHOOSE THE PLACE THAT YOU WANT TO  
DIAGNOSE.

### Checking Memory Usage

In Home Screen,  (Settings)  Troubleshooting  Self check     
Memory(RAM) usage

### Restarting Handset in Safe Mode

In Home Screen,  (Settings)  Troubleshooting  Self check    Reboot  
with safe mode  OK

- Handset restarts in a state near to its state at time of purchase.

### Exiting Safe Mode and Restarting Handset

In Home Screen,  (Settings)  Troubleshooting  Self check    Reboot to



cancel safe mode → OK

- While in Safe mode, handset enters Airplane mode. Note that after exiting Safe mode, handset remains in Airplane mode.

### Viewing Advice Related to Temperature Rise in Handset

In Home Screen, ⚙️ (Settings) → Troubleshooting → Self check → ⋮ → How to manage device overheating → Follow onscreen prompts

### Viewing Self Check Diagnostic History

In Home Screen, ⚙️ (Settings) → Troubleshooting → Self check → Tap the diagnostic history to view → Follow onscreen prompts



# Global Roaming

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Handset is Global Roaming Service eligible. Use the same handset number outside Japan.

Handset connects to an appropriate cellular provider automatically by default.

A specific carrier can also be selected manually.

Change carrier and roaming settings.

---

↓ [Setting a Cellular Provider](#)

---

↓ [Changing Roaming Setting](#)

---

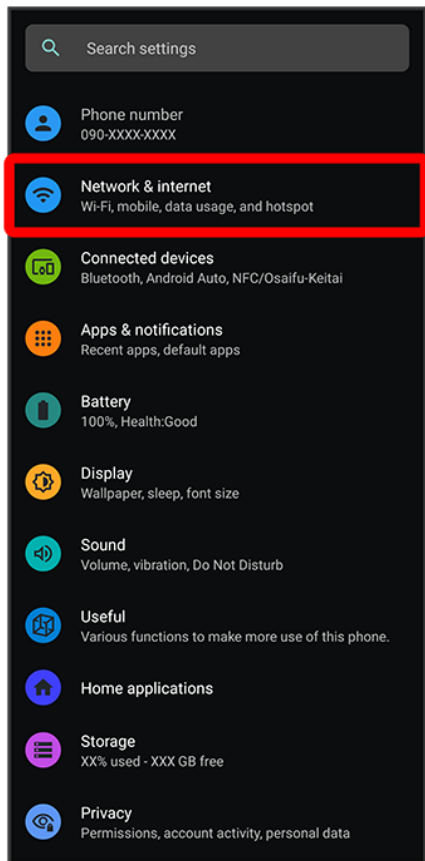
## Setting a Cellular Provider

1

---

In Home Screen,  (Settings)  **Network & internet**

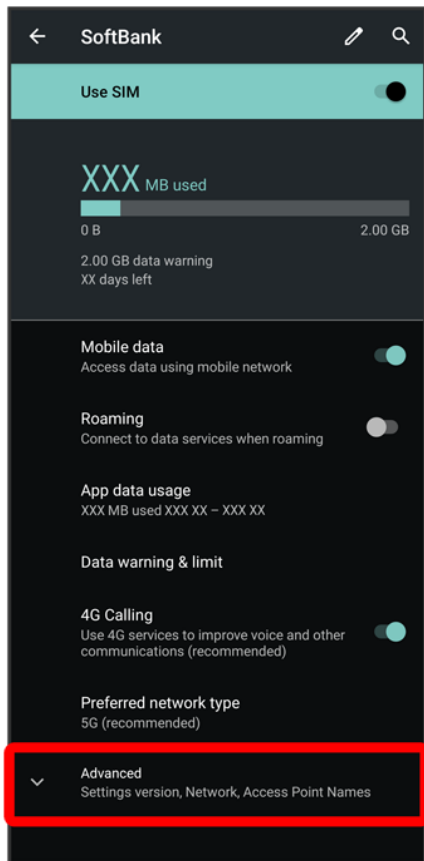




2

Mobile network ➡ Advanced

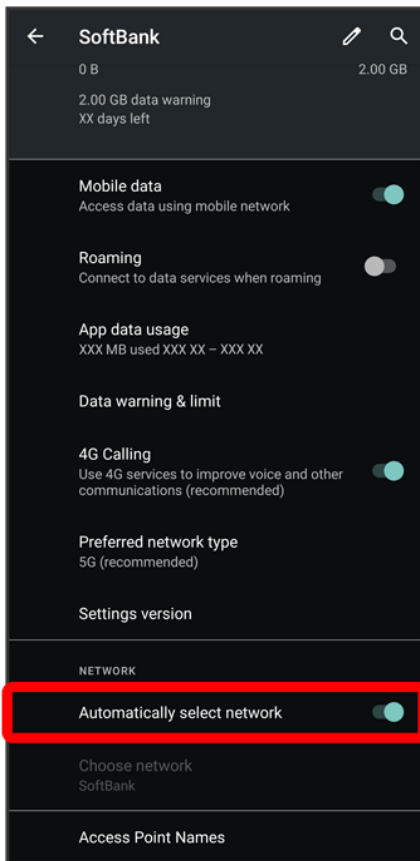




3

Automatically select network





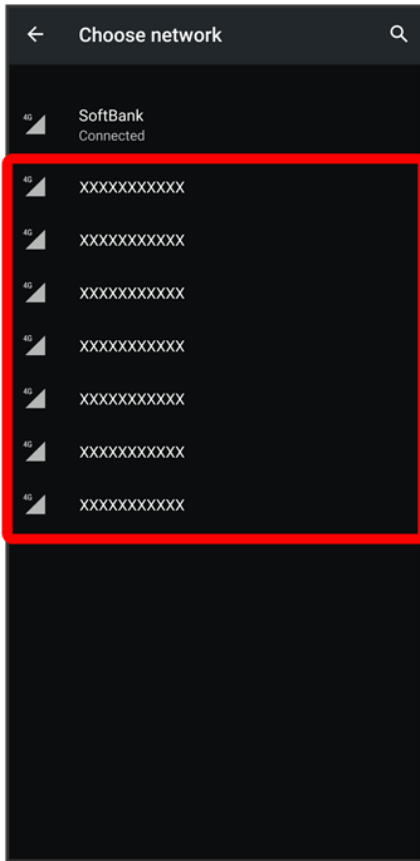
 Handset searches for all available networks.


4


---

Tap provider





 Cellular provider is set.

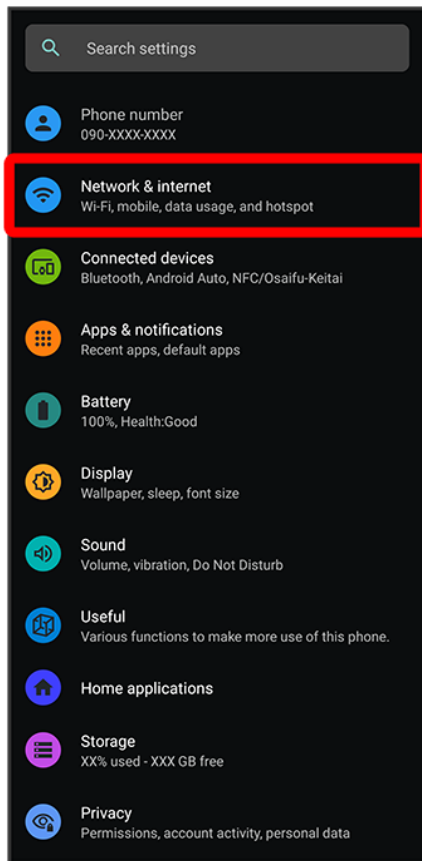
- To set an appropriate cellular provider automatically, Tap **Automatically select network** ().

## Changing Roaming Setting

1

In Home Screen,  (Settings)  **Network & internet**



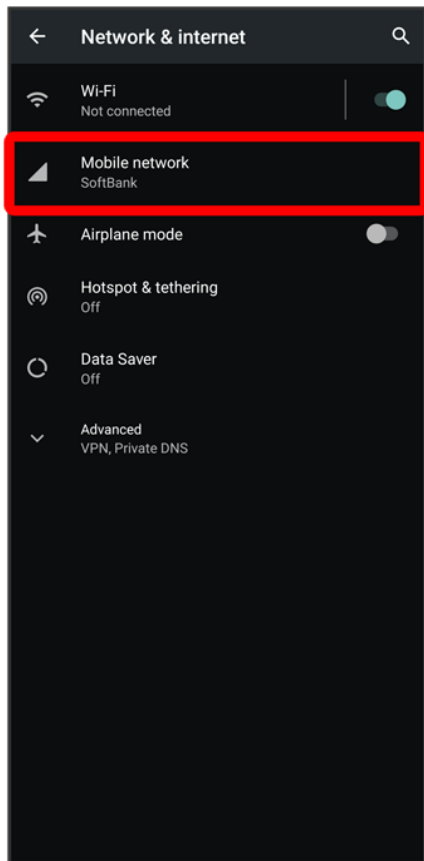


2

---

## Mobile network

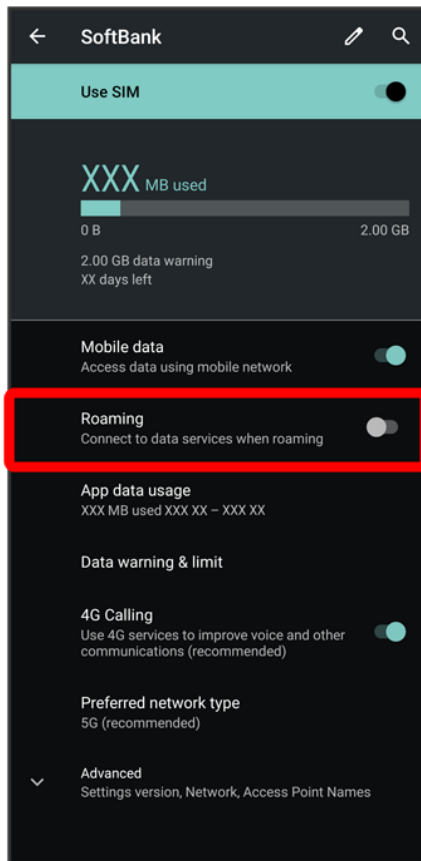







3

Roaming (  )





 Roaming is enabled.

- Tap **Roaming** to toggle on () / off () .
- If confirmation appears, follow onscreen prompts.



# Calling from Outside Japan

---

See SoftBank Website to learn about roaming areas/rates, etc.

[http://mb.softbank.jp/en/global\\_services/](http://mb.softbank.jp/en/global_services/)

Print out roaming area/rate information to carry while traveling abroad as needed.

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↓ [International Calls to Japan and Other Countries from Abroad](#)

---

↓ [Calling Landlines & Mobiles within Current Country](#)

---

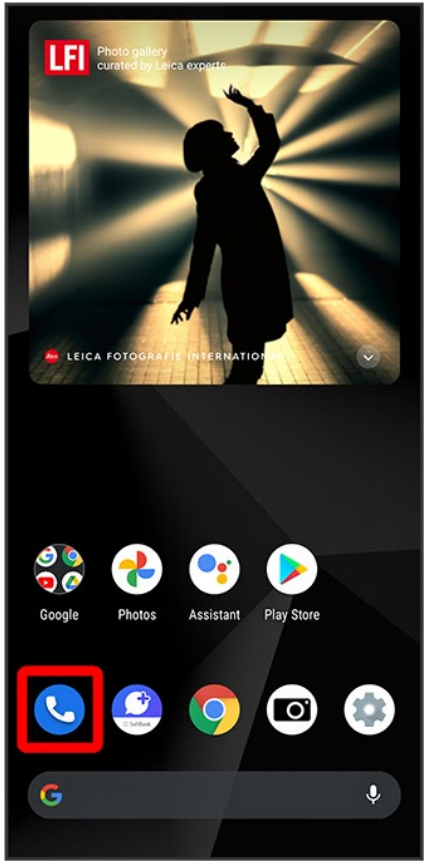
## International Calls to Japan and Other Countries from Abroad

1

---

In Home Screen,  (Phone)

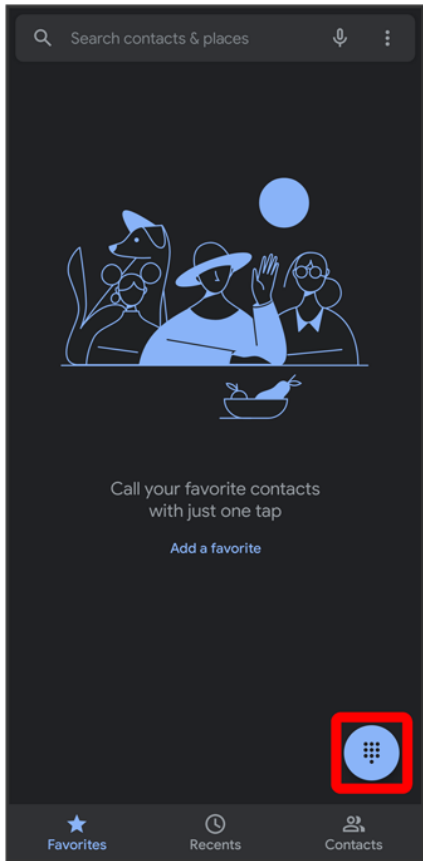




2





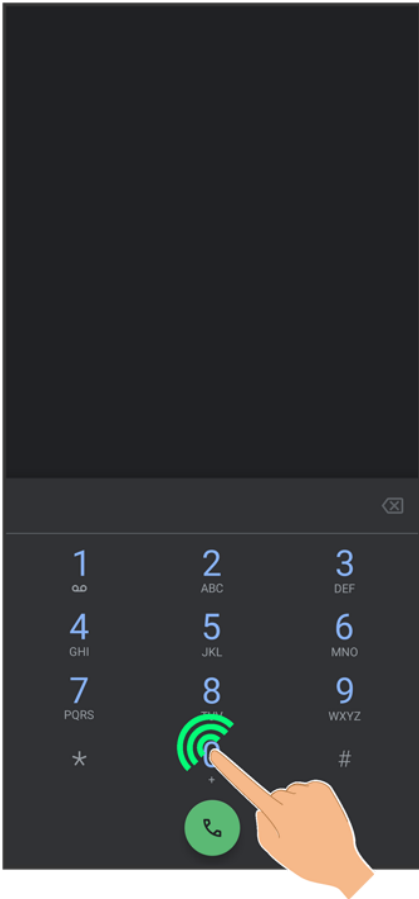


🚩 Dialpad window opens.

3

Touch & Hold 0





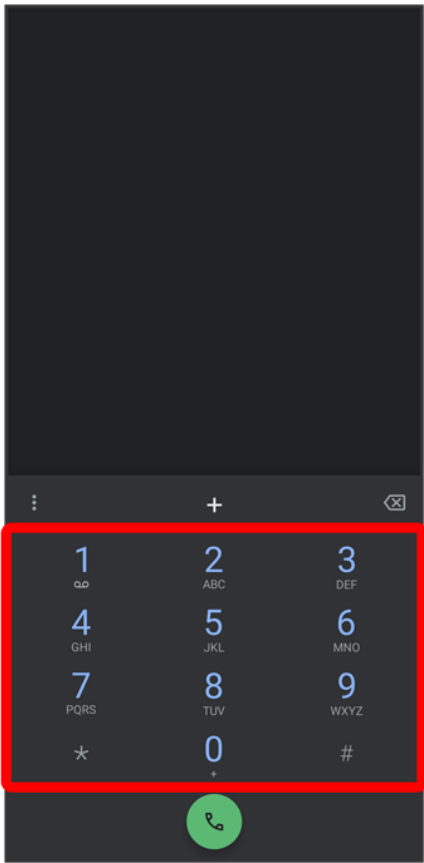
🇺🇸 "+" appears.

4

---

Enter country code then other party number (omit first 0)



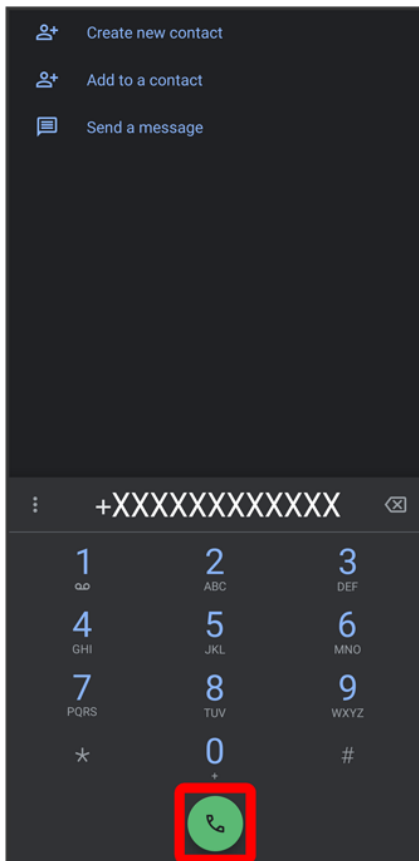



- Do not omit first 0 from phone numbers when dialing Italy (39).

5







 Handset dials number. Call begins when other party answers.

## Calling Landlines & Mobiles within Current Country

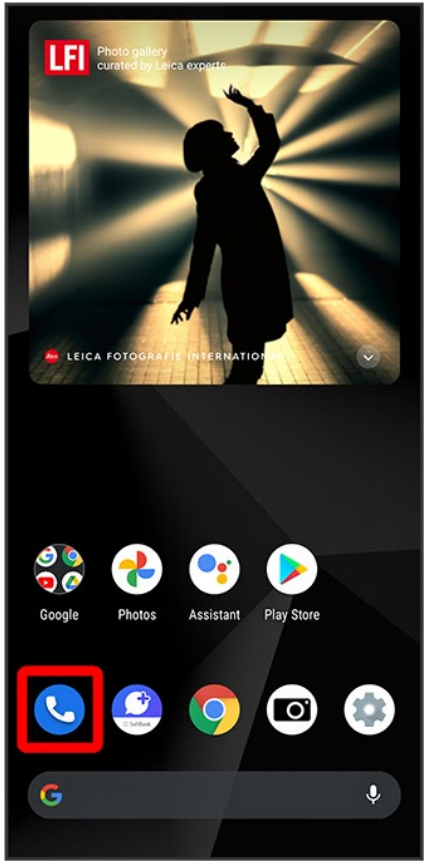
Place calls the same way you would within Japan.

- Do not enter country code or omit first 0 from phone numbers.

1

In Home Screen,  (Phone)

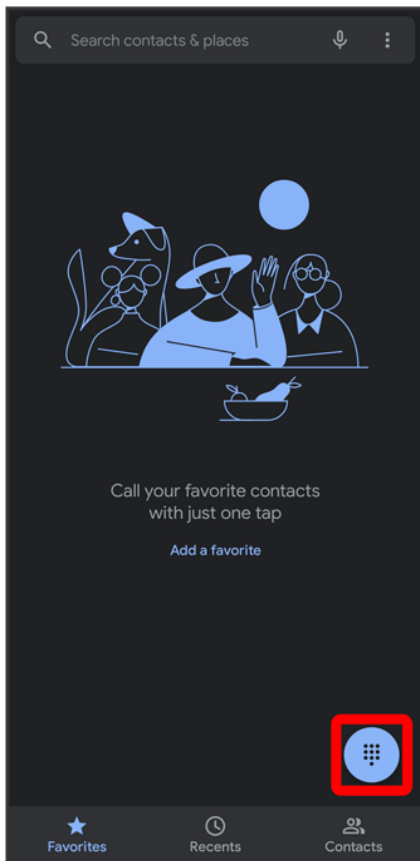





2







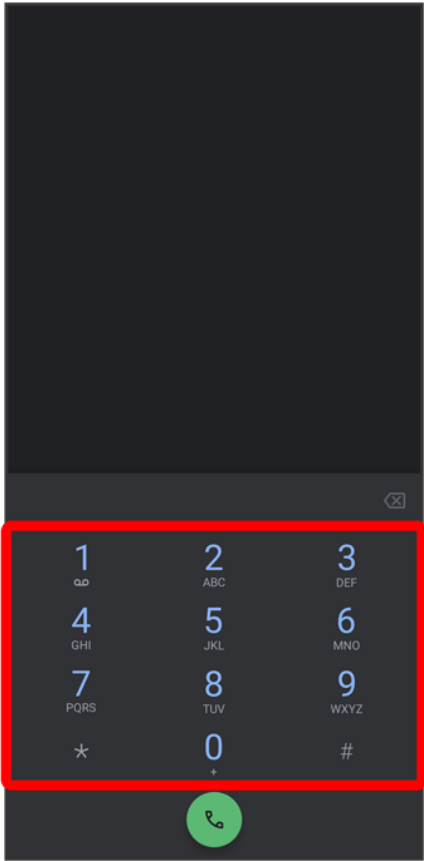
 Dialpad window opens.

**3**

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Use onscreen dialpad to enter number

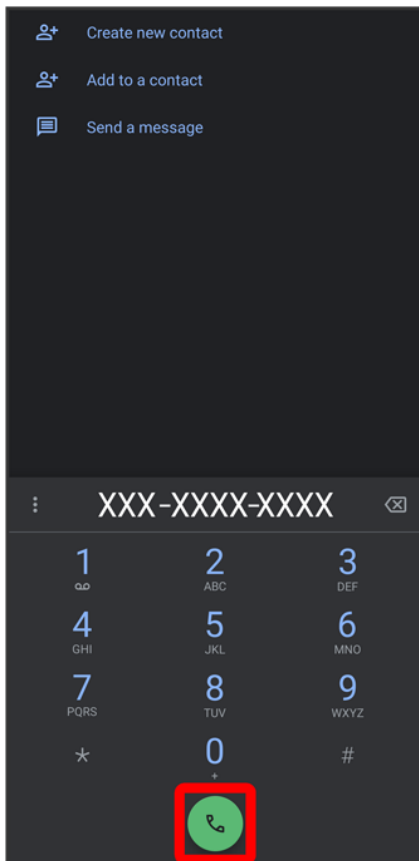





4







 Handset dials number. Call begins when other party answers.



# Handset Powers Off

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↓ [While Using Certain Applications](#)

---

↓ [After Installing a New Application](#)

---

↓ [Handset Interior Is Hot](#)

---

## While Using Certain Applications

The application may be the cause.

Update the application if not the latest version.

If problem persists, delete the application, and check if same problem occurs again.

See "Updating Installed Applications" for details on updating applications.

See "Uninstalling Applications" for details on deleting applications.

## After Installing a New Application

The new application may be the cause.

Delete the application in Safe mode.

See "セーフモードで起動する" (Japanese) for details on activating Safe mode.

See "Uninstalling Applications" for details on deleting applications.

## Handset Interior Is Hot

Continuing to use handset while warm may cause handset to power off as a safety precaution.

Let handset cool before powering on handset.



# Handset Does Not Power On

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↓ Handset Interior Is Hot

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↓ No Battery Charge

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↓ Other

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## Handset Interior Is Hot

Did handset remain powered on after continuing to use handset while handset was warm? Let handset cool before powering on handset.

## No Battery Charge

Was handset charged? Charge handset.

## Other

Are you Long Pressing Power Key? Continue Pressing Power Key until logo appears.



# Cannot Charge / Charging Stops / Charging Is Slow

↓ Charging Does Not Start

↓ Charging Stops

↓ Charging Time Long Depending on AC Adaptor

## Charging Does Not Start

Check the following if charging does not start.

- Is the USB Type-C plug on AC Adaptor firmly connected to handset? Unplug and plug in again firmly.
- Is the plug on AC Adaptor firmly connected to an outlet? Unplug and plug in again firmly.
- Are you using an unspecified AC Adaptor or other product? Always use specified products. In addition to being unable to charge, using an unspecified product may deteriorate Internal Battery.
- Is the USB Type-C plug on AC Adaptor soiled? Clean terminals with a clean, dry cotton swab, etc. and charge again.

## Charging Stops

- Charging stops automatically if handset becomes warm. Let handset cool and start charging handset again.
- Is **Change maximum charge** enabled? To check whether **Change maximum charge** is disabled:  
In Home Screen, ⚙️ (Settings) ➡️ Battery ➡️ Intelligent charging ➡️ **Change maximum charge** (🔴)
- Is **Charge only screen is off** enabled? To check whether **Charge only screen is off** is disabled:  
In Home Screen, ⚙️ (Settings) ➡️ Battery ➡️ Intelligent charging ➡️ **Charge only screen is off** (🔴)

## Charging Time Long Depending on AC Adaptor

Charging may be slower when using AC Adaptor other than for rapid charging.

For information on AC Adaptor for rapid charging specified by SoftBank, see SoftBank Website.



# Battery Runs Out Quickly

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- ↓ Battery Runs Out Quickly Even With No Operation
- ↓ Battery Runs Out Quickly in Certain Location
- ↓ Setting Handset to Save Battery Power

## Battery Runs Out Quickly Even With No Operation

Some applications may use data communication even if not being operated.  
Changing the setting may remedy this. Refer to "Restrict Background Mobile Data."

## Battery Runs Out Quickly in Certain Location

Are you where signal is weak or have been out of service area for a long period? Calling where signal is weak or being out of service area uses a lot of Battery.

## Setting Handset to Save Battery Power

Frequently illuminating Mobile Light, frequently using functions that emit sound or communicate with external devices, using a bright display, or setting a long Display-on time shorten the time that handset can be used. Use Battery Saver to avoid wasting battery. See "Using Battery Saver" for details.



# Display Turns Off Suddenly

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↓ [While Using Certain Applications](#)

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↓ [After Installing a New Application](#)

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## While Using Certain Applications

The application may be the cause.

Update the application if not the latest version.

If problem persists, delete the application, and check if same problem occurs again.

See "Updating Installed Applications" for details on updating applications.

See "Uninstalling Applications" for details on deleting applications.

## After Installing a New Application

The new application may be the cause.

Delete the application in Safe mode.

See "セーフモードで起動する" (Japanese) for details on activating Safe mode.

See "Uninstalling Applications" for details on deleting applications.



# Screen Freezes / Operation Is Unstable

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↓ [While Using Certain Applications](#)

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↓ [After Installing a New Application](#)

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↓ [Handset Operates on Own Without Touching Display / No Response to Touch Operation](#)

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## While Using Certain Applications

The application may be the cause.

Update the application if not the latest version.

If problem persists, delete the application, and check if same problem occurs again.

See "Updating Installed Applications" for details on updating applications.

See "Uninstalling Applications" for details on deleting applications.

## After Installing a New Application

The new application may be the cause.

Delete the application in Safe mode.

See "セーフモードで起動する" (Japanese) for details on activating Safe mode.

See "Uninstalling Applications" for details on deleting applications.

## Handset Operates on Own Without Touching Display / No Response to Touch Operation

Press Power Key to turn off Display, Press Power Key again to turn on Display, and then operate handset.



# SIM Card Not Recognized

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↓ SIM Card Not Recognized

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## SIM Card Not Recognized

Check the following if handset does not recognize SIM Card.

- Is SIM Card inserted correctly? Is SIM Card inserted in the correct location and in the correct orientation? Power off handset, check that SIM Card is inserted correctly, and then power on handset again. If problem persists, SIM Card may be damaged.
- Is the IC (metal) portion of SIM Card smudged (fingerprints, etc.)? Remove SIM Card, wipe soiling with a clean, dry cloth, and insert correctly.
- Is a different SIM Card inserted? An unusable SIM Card may be inserted. Check that it is the correct SIM Card.



# Cannot Use SD Card

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↓ [While Using Certain Applications](#)

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↓ [After Installing a New Application](#)

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## While Using Certain Applications

The application may be the cause.

Update the application if not the latest version.

If problem persists, delete the application, and check if same problem occurs again.

See "Updating Installed Applications" for details on updating applications.

See "Uninstalling Applications" for details on deleting applications.

## After Installing a New Application

The new application may be the cause.

Delete the application in Safe mode.

See "セーフモードで起動する" (Japanese) for details on activating Safe mode.


See "Uninstalling Applications" for details on deleting applications.



# Cannot Send/Receive Mail

- ↓ [Airplane Mode Set](#)
- ↓ ["5G"/"4G" Not Shown with Signal Strength Indicator](#)
- ↓ [Cannot Send with Attachment](#)
- ↓ [Cannot Receive Mail from Certain Sender](#)
- ↓ [Disabled Access Point Is Set](#)
- ↓ [In Location Where Signal Is Weak or Have Been Out of Service Area for a Long Period](#)

## Airplane Mode Set

Is handset in Airplane mode?  appears in Status Bar when in Airplane mode. To cancel Airplane mode:

In Quick Settings Window, [Airplane mode](#)

## "5G"/"4G" Not Shown with Signal Strength Indicator

Is [Mobile data](#) disabled? To check that [Mobile data](#) is enabled:

In Home Screen,  (Settings)  [Network & internet](#)  [Mobile network](#)  [Mobile data](#) ()

## Cannot Send with Attachment

The maximum size of files that can be attached to +Message is 100 MB.

To share large files, use Google Drive, etc.

## Cannot Receive Mail from Certain Sender

Spam filter settings may be blocking delivery.

Check spam filter settings.



## Disabled Access Point Is Set

Is a disabled access point set? To reset to initial settings:

In Home Screen,  (Settings)  Network & internet  Mobile network  Advanced  Access  
Point Names    Reset to default

## In Location Where Signal Is Weak or Have Been Out of Service Area for a Long Period

Check whether you are where signal is weak or out of service area.


If problem persists, power handset off and then on again.



# Cannot Connect to Internet

- ↓ [Airplane Mode Set](#)
- ↓ ["5G"/"4G" Not Shown with Signal Strength Indicator](#)
- ↓ [Cannot Connect while Using Browser](#)
- ↓ [Cannot Connect to Internet Only When Connected by Wi-Fi](#)
- ↓ [Disabled Access Point Is Set](#)
- ↓ [In Location Where Signal Is Weak or Have Been Out of Service Area for a Long Period](#)

## Airplane Mode Set

Is handset in Airplane mode?  appears in Status Bar when in Airplane mode. To cancel Airplane mode:

In Quick Settings Window, [Airplane mode](#)

## "5G"/"4G" Not Shown with Signal Strength Indicator

Is [Mobile data](#) disabled? To check that [Mobile data](#) is enabled:

In Home Screen,  (Settings)  [Network & internet](#)  [Mobile network](#)  [Mobile data](#) ()

## Cannot Connect while Using Browser

The browser may have become temporarily unstable.

Clearing the browser cache may remedy this.

See "[閲覧履歴を削除する](#)" (Japanese) for details on clearing the browser cache.

## Cannot Connect to Internet Only When Connected by



## Wi-Fi









There may be a problem with the Wi-Fi connection.

Check whether connection to the Internet is possible with the Wi-Fi connection disabled.

See "Deleting Saved Access Points" for details on disabling the Wi-Fi connection.

## Disabled Access Point Is Set

Is a disabled access point set? To reset to initial settings:

In Home Screen,  (Settings)  Network & internet  Mobile network  Advanced  Access  
Point Names    Reset to default

## In Location Where Signal Is Weak or Have Been Out of Service Area for a Long Period

Check whether you are where signal is weak or out of service area.


If problem persists, power handset off and then on again.



# Cannot Talk on Phone / Cannot Hear Other Party

- ↓ Cannot Make or Receive Calls
- ↓ Cannot Receive Calls
- ↓ Cannot Make Calls
- ↓ Cannot Hear Other Party
- ↓ In Location Where Signal Is Weak or Have Been Out of Service Area for a Long Period

## Cannot Make or Receive Calls

Is handset in Airplane mode?  appears in Status Bar when in Airplane mode. To cancel Airplane mode:

In Quick Settings Window, **Airplane mode**

Is handset where signals reach? Change locations while checking the signal indication and call again.

## Cannot Receive Calls

If Call Forwarding or Voicemail is set, calls may be forwarded or sent to Voicemail before being answered.

See "Call Forwarding" and "Voicemail" for details.

## Cannot Make Calls

Did you dial all digits for the number? Dial all digits for numbers starting with a "0" area code, etc.



## **Cannot Hear Other Party**

Is the call volume low? Press Volume Up Key during call to increase volume.

## **In Location Where Signal Is Weak or Have Been Out of Service Area for a Long Period**

Check whether you are where signal is weak or out of service area.

If problem persists, power handset off and then on again.



# Cannot Use Applications

↓ Cannot Install New Application

↓ Cannot Activate Applications

## Cannot Install New Application








Is there only a little free space in internal storage? To check free space:

In Home Screen,  (Settings)  Storage

Applications not supported by handset cannot be installed.

## Cannot Activate Applications

Did you set access privileges when first activating the application? Applications cannot be activated if access is not permitted. To change settings:

In Home Screen,  (Settings)  Apps & notifications  See ALL XX APPS  Tap application name  Permissions  Tap function  Allow

- Allow all the time/Allow only while using the app/Ask every time/Allow management of all files/Allow access to media only appears for some functions.



# Warranty & After-Sales Service

↓ Warranty

↓ After-Sales Service

## Warranty

- Handset warranty is for 1 year from date of purchase.
- Repair may be made free of charge under the terms of free repair. See SoftBank Website for terms of free repair.  
<https://cdn.softbank.jp/mobile/set/common/pdf/legal/spguide/common/warranty.pdf> (Japanese)
- Warranty covers handset. Cables and complimentary sample accessories are not covered by warranty.

### Cautions

#### Damages

SoftBank Corp. is not responsible for any damages for user or third party resulting from lost opportunities to make a call, etc. due to breakage or trouble of product.

#### Malfunction/Repairs

Information/settings on handset may be lost/changed due to malfunction or repairs. It is recommended that you keep a separate copy of contacts and other important information. SoftBank Corp. is not responsible for loss/change of data (contacts, images, sound, etc.) or settings due to damage or repairs.

#### Disassembly/Modification

Disassembly/modification of handset is prohibited under the Radio Law. Note that handset cannot be accepted for repairs if modified.

## After-Sales Service

To request repairs, contact Customer Service or a nearby SoftBank Shop. Have details of symptoms ready.

- During the warranty period, repairs are made under the terms of free repair.
- After the warranty period, if handset can be repaired, repairs will be made at cost.  
Repair parts (for maintaining product performance) are stocked for approximately 4 years after



end of production.

However, repair may not be possible even at cost within this period due to stock conditions.



### **Further inquiries**

For more information on after-sales service, contact a nearby SoftBank Shop or Customer Service.



# Specifications

Some information may differ due to specification changes.

↓	Handset
↓	Quick Switch Adapter
↓	SIM Removal Tool
↓	Case
↓	Lens Cap
↓	Materials (Handset)
↓	Materials (Quick Switch Adapter)
↓	Materials (SIM Removal Tool)
↓	Materials (Case)
↓	Materials (Lens Cap)

## Handset

Handset specifications are as follows.

- Times in the table vary with location, status, settings, etc.
- OEL Display employs precision technology; however, some pixels may remain on/off.

Item	Description
Dimensions (W x H x D)	Approx. 74 mm x 162 mm x 9.5 mm (without protruding parts)
Weight	Approx. 212 g
Maximum Output	0.4W (4G) 0.2W (4G LTE) 0.2W (5G (n77))
Internal Battery Capacity	5,000 mAh
Continuous Talk Time <sup>1</sup>	4G LTE:Approx. 2,120 minutes
Continuous Standby Time <sup>2</sup>	4G:Approx. 520 hours 4G LTE:Approx. 520 hours
Charging Time <sup>3</sup>	AC Adaptor (USB Type-C™ quick charge AC Adaptor for USB PD [ZSDBAS] (SB-AC20-



TCPD): Approx. 130 minutes

- 1 Average measured with handset fully charged, in strong signal conditions at rest.
- 2 Average measured with handset fully charged, without calls or operations, in strong signal conditions at rest, and with data communication and Urgent News disabled. May vary with battery strength, ambient temperature, settings, etc.
- 3 Measured when charging with handset powered off.

## Quick Switch Adapter

Item	Description
Length	Approx. 32 mm
Weight	Approx. 4.6 g

## SIM Removal Tool

Item	Description
Length	Approx. 23 mm
Weight	Approx. 0.5 g

## Case

Item	Description
Dimensions (W x H x D)	Approx. 77.8 mm x 167.3 mm x 13.6 mm
Weight	Approx. 30 g

## Lens Cap

Item	Description
Dimensions (Diameter x D)	Approx. $\phi$ 46.8 x 5.7 mm
Weight	Approx. 12.2 g

## Materials (Handset)

Parts	Materials Used/Surface Finish
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<b>Display Surface (Glass Part), Back</b>	Tempered glass/AF coating
<b>Gap between Display Surface (Glass Part) and Casing (Metal Part)</b>	Urethane resin
<b>Outer Casing (Metal Part), Power Key, Volume Key (Up/Down), Assistant Key, Camera Ornament, Card Tray (Exterior)</b>	Aluminum/anodizing
<b>Outer Casing (Antenna Slit, Opening for Earphones-Microphone Jack Part, Opening for External Connection Jack)</b>	PBT resin (containing glass)
<b>Camera Panel</b>	Tempered glass/AF coating, AR coating
<b>Earpiece/Speaker Mesh</b>	Stainless steel/electrodeposition
<b>Card Tray</b>	POM resin + stainless steel
<b>Card Tray Gasket</b>	Silicone rubber

## Materials (Quick Switch Adapter)

Parts	Materials Used/Surface Finish
<b>USB Type-C plug (Metal part)</b>	Stainless steel/nickel plating
<b>USB Type-C plug (Resin part)/USB Type-A plug (Resin part)</b>	LCP resin
<b>USB Type-A plug (Metal part)</b>	SPCC/nickel plating
<b>Handset (Metal part)</b>	Aluminum alloy/anodizing
<b>Handset (Resin part)</b>	PBT resin

## Materials (SIM Removal Tool)

Parts	Materials Used/Surface Finish
<b>SIM Removal Tool</b>	Stainless steel

## Materials (Case)

Parts	Materials Used/Surface Finish
<b>Case</b>	Silicone (PC insert molding) + microfiber lining + nickel badge attached



## Materials (Lens Cap)

Parts	Materials Used/Surface Finish
Lens Cap	Aluminum + PC lining + microfiber lining/anodizing



# Customer Service

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If you encounter any difficulties or are unsure of anything, contact customer service.

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↓ [SoftBank Customer Support](#)

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↓ [Smartphone Technical Support Center](#)

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## SoftBank Customer Support

- From a SoftBank handset, dial toll free at 157
- From a landline/IP phone, dial toll free at 0800-919-0157
- Business hours : Call 10:00am - 7:00pm / Chat 9:00am - 8:00pm

## Smartphone Technical Support Center

- From a SoftBank handset, dial toll free at 151
- From a landline/IP phone, dial toll free at 0800-1700-151
- Business hours : Mon. - Fri. 9:00am - 7:00pm / Sat., Sun., and Holiday 9:00am - 5:00pm / 9:00am - 8:00pm (for general information)






# Safety Precautions

Read Safety Precautions before using handset.  
Observe precautions to avoid injury to self or others, or damage to property.

↓	<a href="#">Safety Precautions</a>
↓	<a href="#">Handset, SIM Card, Quick Switch Adapter, SIM Removal Tool, Case, Lens Cap, AC Adaptor (Sold Separately) (Common)</a>
↓	<a href="#">Handset</a>
↓	<a href="#">AC Adaptor (Optional Accessory)</a>
↓	<a href="#">SIM Card</a>
↓	<a href="#">Quick Switch Adapter</a>
↓	<a href="#">SIM Removal Tool</a>
↓	<a href="#">Case</a>
↓	<a href="#">Lens Cap</a>
↓	<a href="#">Handset Use &amp; Electronic Medical Devices</a>

## Safety Precautions

These labels show degree of risk from improper use.

Label	Description
 <b>DANGER</b>	Great risk of death or serious injury <sup>1</sup>
 <b>WARNING</b>	Risk of death or serious injury <sup>1</sup>
 <b>CAUTION</b>	Risk of minor injury <sup>2</sup> or property damage <sup>3</sup>

1 Serious injury: This refers to loss of sight, injury, burns (high- and low-temperature), electric shock, broken bones, injuries with residual aftereffects from poisoning, etc., and injuries requiring hospital admission for treatment or long-term hospital attendance as an outpatient.







2 Minor injury: This refers to injuries, burns (high- and low-temperature), electric shock, etc. that do



not require hospital admission for treatment or long-term hospital attendance as an outpatient.

3 Property damage: This refers to extended damage to buildings, furniture, livestock, pets, etc.

These symbols signify prohibited/compulsory actions.

Symbol	Description
 Prohibited	Prohibited actions
 Do Not Disassemble	Disassembly prohibited
 Avoid Liquids Or Moisture	Exposure to liquids prohibited
 Do Not Use Wet Hands	Use with wet hands prohibited
 Compulsory	Compulsory actions
 Disconnect Power Source	Unplug from outlet

## Handset, SIM Card, Quick Switch Adapter, SIM Removal Tool, Case, Lens Cap, AC Adaptor (Sold Separately) (Common)

### DANGER



Prohibited

**Do not use, store, or leave in extreme heat or where heat collects, such as fire, heat sources, under a kotatsu (blanketed warming table) or blanket, direct sunlight, inside vehicles in the hot sun, etc.**

May cause fire, burns, injury, electric shock, etc.



Prohibited

**Keep away from cooking appliances (microwave ovens, induction stoves, etc.) and pressure vessels (e.g., pressure cookers).**

May cause fire, burns, injury, electric shock, etc.





Prohibited

**Do not subject to or place directly on sand, soil, or mud. Do not touch with dirty hands.**

May cause fire, burns, injury, electric shock, etc.

For details on water and dust resistance, see "Water & Dust Resistance"



Prohibited

**Do not charge handset while it is wet with water or other liquids (drinking water, sweat, sea water, pet urine, etc.).**

**Do not charge handset where exposed to water (bathroom, etc.).**

May cause fire, burns, injury, electric shock, etc.

For details on water resistance, see "Water & Dust Resistance"



Prohibited

**Do not apply excessive force to or break handset. Particularly when carrying handset in your clothes pocket, do not bump it or place it between objects.**

Internal Battery breakage may cause fire, burns, injury, etc.

\* Examples of where to be careful

- Sitting or squatting with handset in your pants or skirt pocket
- Handset becoming caught in a sliding door or vehicle door when in a jacket pocket
- Stepping on handset when it is on something soft such as a sofa, bed, or futon or on the floor
- Handset becoming caught in a seat on a train or bus



Do Not  
Disassemble

**Do not disassemble or modify.**

May cause fire, burns, injury, electric shock, etc.



Prohibited

**Do not try to remove Internal Battery from handset.**

May cause fire, burns, injury, etc.



Prohibited

**Handset Back Cover cannot be removed. Do not try to remove.**

May cause fire, burns, injury, etc.



Avoid Liquids  
Or Moisture



**Do not wet with water or other liquids (drinking water, sweat, sea water, pet urine, etc.).**

May cause fire, burns, injury, electric shock, etc.

For details on water resistance, see "Water & Dust Resistance"



**Do not let water or other liquids (drinking water, sweat, sea water, pet urine, etc.) enter charging terminals or External Connection Jack.**

May cause fire, burns, injury, electric shock, etc.

For details on water resistance, see "Water & Dust Resistance"



**Use optional accessories specified by SoftBank Corp.**

Using unspecified accessories may cause fire, burns, injury, electric shock, etc.

## **WARNING**



**Do not drop, stomp, throw or subject to excessive force or strong impact/vibration.**

May cause fire, burns, injury, electric shock, etc.



**Keep conductive materials (metal strip, pencil lead, etc.) away from charging terminals and External Connection Jack. Do not let dust enter them.**

May cause fire, burns, injury, electric shock, etc.



**Do not cover/wrap with a blanket, etc. while using or charging.**

May cause fire, burns, etc.



**When caring for equipment, ensure that no disinfectant or water enters gaps, Charging Terminal, External Connection Jack, Earphones-Microphone Jack, Earpiece/Speaker, Mic/Recorder Mic, Mic, or Speaker.**

Handset breakage may cause electric shock, etc.





Compulsory

**If charging continues even after specified Charging Time, stop charging.**

Failure to do so may cause fire, burns, injury, etc. due to overcharge or for other reasons.



Compulsory

**When entering very dusty locations or locations where flammable gases are generated, be sure to power off handset beforehand and stop any charging in progress.**

May ignite flammable gases, etc. and cause explosion, fire, etc.



Compulsory

**Use in facilities such as gas stations should be in accordance with the facility guidelines.**

Do not charge handset in facilities such as gas stations.

Take care not to drop handset in facilities such as gas stations and in particular do not use while refueling.

May ignite flammable gases, etc. and cause explosion, fire, etc.



Compulsory

**If there is abnormal odor/sound, smoke, overheating, discoloration, distortion, or other abnormalities during use, charging, or storage, do the following while exercising caution.**

- Unplug from the outlet.
- Power off handset.

Failure to follow the above steps may cause fire, burns, injury, electric shock, etc.



# CAUTION



Prohibited

**Do not use if broken.**

May cause fire, burns, injury, etc.



Prohibited

**Do not place on unstable surfaces; take added care when vibration is set.**

Handset or related hardware may fall, resulting in injury, etc.



Prohibited

**Do not use or store in a location that is subject to excessive dust, high humidity, or high**



## temperatures.

May cause fire, burns, electric shock, etc.

For details on water and dust resistance, see "Water & Dust Resistance"



Prohibited

## For use by a child, explain instructions and supervise use.

May cause accidental swallowing, injury, electric shock, etc.



Prohibited

## Do not leave within the reach of small children.

**Take particular care with storage locations for small parts such as Card Tray, Quick Switch Adapter, and SIM Removal Tool.**

May cause accidental swallowing, injury, electric shock, etc.



Compulsory

**Use handset with caution, as it may become hot with continued use or while charging. Be careful not to place handset in clothes pocket, etc. and fall asleep, allowing unintentional continued contact.**

Handset or AC Adaptor may become hot after continued use of applications, call functions, data communication and video viewing functions, etc. or while charging. Continued and direct contact with hot portions of handset may cause skin redness, itchiness, skin irritation, low-temperature burns, etc. depending on your physical condition.

## Handset



## DANGER



Prohibited

## Do not throw into a fire or apply heat.

May cause fire, burns, injury, etc.



Prohibited

**Do not pierce with a sharp object (nail, etc.), hit with a hard object (hammer, etc.), step on, or otherwise subject to excessive force.**

May cause fire, burns, injury, etc.





Compulsory

**If substance in handset gets in eyes, mouth, etc., rinse with clean water and consult a doctor immediately.**

Substances in handset may cause loss of sight or other physical harm.



## WARNING



Prohibited

**Do not shine Mobile Light close to eyes. Maintain a safe distance, especially from small children.**

May cause visual impairment or other problems; may temporarily affect eyesight or startle, leading to injury or other accident.



Prohibited

**Do not point Mobile Light at drivers when it is turned on.**

May hinder driving performance, leading to an accident.



Prohibited

**Do not stare at Display for a long period when it is flickering.**

May cause spasms, loss of consciousness, etc.



Prohibited

**Do not let water or other liquids (drinking water, sweat, sea water, pet urine, etc.) or a foreign object (metal strip, flammable material, etc.) enter SIM/SD Card Slot.**

**In addition, insert SIM Card and SD Card into correct openings in correct orientation.**

May cause fire, burns, injury, electric shock, etc.



Prohibited

**Do not expose Camera lens to direct sunlight for an extended period.**

May cause fire, burns, injury, etc. due to light-collecting mechanism of the lens.



Prohibited

**Do not look into Proximity Sensor or ToF Camera.**

May temporarily affect eyesight, leading to accidents.





Compulsory

**Power off handset or activate Airplane mode before boarding an airplane.**

Handset use on airplanes is restricted; follow the instructions given by the respective airlines.

Radio waves may adversely affect an airplane's electronic devices.

If you engage in a prohibited activity while using handset on an airplane, you may be punished by law.



Compulsory

**Regarding handset use in a hospital, follow the instructions given by the respective medical institution.**

Power off handset where handset use is prohibited.

Radio waves may adversely affect an airplane's electronic devices or electronic medical devices.



Compulsory

**When you are on a handsfree call, while ringtone is playing loudly, when in standby, etc., be sure to keep handset at a safe distance from your ears.****When you attach earphones-microphone to handset and play games, videos, or music, adjust the volume to a comfortable level beforehand.**

When making a handsfree call, handset emits sound loudly.

Even in standby, the ringtone or alarm may ring suddenly.

Listening to loud sound continuously for a long time may cause hearing impairment or other difficulty.

In addition, not being able to hear surroundings may cause an accident.



Compulsory

**If you have a weak heart, adjust ringtone vibration and volume as needed.**

Handset suddenly vibrating and ringing for a new call may startle you and adversely affect your heart.



Compulsory

**If you are using an electronic medical device, check with its manufacturer or vendor on radio wave effects before using handset.**

Radio waves may adversely affect electronic medical devices, etc.





Compulsory

**Power off handset near electronic devices that employ high precision control systems or weak signals.**

Radio waves may cause electronic devices to malfunction or may adversely affect the operation. Take added care near these devices: Hearing aids, implanted pacemakers/defibrillators and other electronic medical devices; other automatic control devices. If you are using an implanted pacemaker, implanted defibrillator, or other electronic medical device, check with its manufacturer or the vendor on radio wave effects.



Compulsory

**If Display, Back Cover, or Camera lens breaks, be careful with broken parts and exposed handset parts.**

Touching the broken or exposed parts may cause burns, injury, electric shock, etc.



Compulsory

**If Internal Battery leaks or there is abnormal odor, discontinue use immediately and keep sources of flame away.**

Leaked fluid may catch fire, causing the battery to ignite, burst, etc.



Compulsory

**Do not let your pet bite handset.**

May cause Internal Battery to ignite, burst, overheat, or leak, causing fire, burns, injury, etc.



**CAUTION**



Prohibited

**When using the motion sensor and electromagnetic sensor, make sure of the safety around you and hold handset firmly; do not swing with excessive force.**

Failure to do so may cause injury or other accident.



Prohibited

**If Display breaks and substance in handset leaks, do not let it get on your skin (face, hands, etc.) or clothes.**

May harm sight, skin, etc.

If substance in handset gets in eyes, mouth, etc. or on your skin or clothes, immediately rinse with



clean water.

If substance in handset gets in eyes, mouth, etc., rinse and consult a doctor immediately.



Prohibited

**Do not dispose of handset with regular trash.**

May cause fire, burns, injury, etc. May also adversely affect the environment. When handset is no longer needed, take it to a SoftBank shop, or follow the local regulations regarding handset collection.



Prohibited

**If substance in Internal Battery leaks, do not let it get on your skin (face, hands, etc.) or clothes.**

May harm sight, skin, etc.

If substance in handset gets in eyes, mouth, etc. or on your skin or clothes, immediately rinse with clean water.

If substance in handset gets in eyes, mouth, etc., rinse and consult a doctor immediately.



Prohibited

**When removing SIM Card, do not scratch your fingers or other part of yourself with point of SIM Removal Tool.**

May harm sight, skin, etc.

Contact with point of SIM Removal Tool may cause injury, etc.



Compulsory

**Before using handset in a vehicle, check with the manufacturer or dealer of the vehicle on radio wave effects.**

In rare cases, radio waves may adversely affect operation of on-vehicle electronic devices, depending on the type of vehicle. If this occurs, discontinue use immediately.



Compulsory

**For any skin abnormalities associated with handset use, discontinue use and consult a doctor immediately.**

Handset use may cause itchiness, skin irritation, rashes, etc. depending on your physical condition.

For details on materials used for handset parts, see "Materials (Handset)."



Compulsory

**Earpiece/Speaker, Speaker, Camera, and Vibrator (back bottom right) use magnetic parts;**



**check that nothing metal (cutter blades, staples, etc.) is adhering.**

Metal strip on handset may cause injury, etc.



Compulsory

**See Display in a sufficiently bright place at a reasonable distance.**

Seeing in a dark place or at a close distance may deteriorate vision or cause other problems.

## AC Adaptor (Optional Accessory)



### WARNING



Prohibited

**Do not use AC Adaptor if the cord is damaged.**

May cause fire, burns, electric shock, etc.



Prohibited

**Do not touch AC Adaptor if thunder is audible.**

May cause electric shock, etc.



Prohibited

**Do not short-circuit charging terminals when AC Adaptor is plugged into the outlet. In addition, keep your hands and other body parts away from charging terminals.**

May cause fire, burns, electric shock, etc.



Prohibited

**Do not place a heavy object on top of AC Adaptor cord; do not apply excessive force by pulling, etc.**

May cause fire, burns, electric shock, etc.



Prohibited

**When plugging/unplugging AC Adaptor, keep metal objects away.**

Failure to do so may cause fire, burns, electric shock, etc.



Prohibited



**Do not use a voltage converter (travel converter for overseas use, etc.) when charging with AC Charger.**

May cause ignition, overheating, electric shock, etc.



Prohibited

**When AC Adaptor is connected to handset, do not apply excessive force to the connection.**

May cause fire, burns, injury, electric shock, etc.



Do Not Use  
Wet Hands

**Do not touch AC Adaptor cord, charging terminals, or power plug with wet hands.**

May cause fire, burns, electric shock, etc.



Compulsory

**Use at the specified power supply voltage.**

**When charging handset overseas, use AC Adaptor designed for overseas use.**

Use at other power supply voltages may cause fire, burns, electric shock, etc.

AC Adaptor: AC 100 V (connect to a household AC outlet only)

AC Adaptor designed for overseas use: AC 100 V - 240 V (connect to a household AC outlet only)



Compulsory

**Wipe off any dust on the power plug.**

Using Charger when dust is on plug may cause fire, burns, electric shock, etc.



Compulsory

**Plug AC Adaptor into the outlet firmly.**

Failure to do so may cause fire, burns, electric shock, etc.



Compulsory

**When unplugging from the outlet, grasp AC Adaptor and pull, without forcefully pulling cord.**

Pulling the AC Adaptor cord may damage the cord, causing fire, burns, electric shock, etc.



Compulsory

**When inserting/removing USB Type-C plug into/from handset, insert/remove it straight into/from Jack, without forcefully pulling cord.**

Inserting/removing in an incorrect orientation may cause fire, burns, injury, electric shock, etc.





Compulsory

**If charging terminals become bent or deformed, discontinue use immediately. In addition, do not use AC Adaptor by restoring the terminals to their original state.**

May cause fire, burns, injury, electric shock, etc. due to short-circuiting of charging terminals.



Disconnect  
Power Source

**When not using AC Adaptor, unplug it from the outlet.**

Leaving it plugged in may cause fire, burns, injury, electric shock, etc.



Disconnect  
Power Source

**If splashed with water or other liquids (drinking water, sweat, sea water, pet urine, etc.), unplug from the outlet immediately.**

Splashing can cause short-circuiting, causing fire, burns, electric shock, etc.



Disconnect  
Power Source

**Before cleaning, unplug AC Adaptor from the outlet.**

Cleaning AC Adaptor without unplugging it may cause fire, burns, electric shock, etc.



# CAUTION



Prohibited

**Do not touch AC Adaptor for long periods when it is plugged into the outlet.**

May cause burns, etc.

## SIM Card



# CAUTION



Compulsory

**When handling SIM Card, be careful with cut edges so as not to damage your hands or other body parts.**

Cut edges may be sharp and cause injury.



# Quick Switch Adapter



## WARNING



Prohibited

**Do not short-circuit terminals while connected to handset. Do not touch terminals with hands, fingers or any part of body.**

May cause fire, burns, electric shock, etc.



Prohibited

**When connecting/disconnecting Quick Switch Adapter to/from handset, keep metal objects away.**

May cause fire, burns, electric shock, etc.



Prohibited

**Do not apply excessive force to terminals while Quick Switch Adapter is connected to handset.**

May cause fire, burns, injury, electric shock, etc.



Do Not Use  
Wet Hands

**Do not touch Quick Switch Adapter with wet hands.**

May cause fire, burns, electric shock, etc.



Compulsory

**Wipe off any dust on terminals.**

Using the adapter with dust may cause fire, burns, electric shock, etc.



Compulsory

**Insert Quick Switch Adapter into handset firmly.**

Failure to do so may cause fire, burns, electric shock, etc.



Compulsory

**If terminal is deformed or bent, discontinue use immediately. Also, do not use handset by restoring the deformed terminal.**

Short circuit of the terminals may cause fire, burns, injury, or electric shock.





## CAUTION



Prohibited

**Do not touch Quick Switch Adapter continuously while it is plugged into handset.**  
May cause burns, etc.



Compulsory

**For any skin abnormalities associated with handset use, discontinue use and consult a doctor immediately.**

Handset use may cause itchiness, skin irritation, rashes, etc. depending on your physical condition.  
For details on materials used for handset parts, see "Materials (Handset)."

## SIM Removal Tool



## WARNING



Prohibited

**Tip of SIM Removal Tool is pointed. Do not use pointed at yourself or others.**  
Doing so may allow it to strike yourself or others, causing injuries or loss of sight.

## Case



## CAUTION



Prohibited

**When attaching handset to Case, be careful not to get your fingers caught.**  
May cause injury, etc.



Compulsory

**For any skin abnormalities associated with handset use, discontinue use and consult a doctor immediately.**

Handset use may cause itchiness, skin irritation, rashes, etc. depending on your physical condition.  
For details on materials used for handset parts, see "Materials (Handset)."



## Lens Cap



### CAUTION



Compulsory

**Lens Cap uses magnet; check that nothing metal (cutter blades, staples, etc.) is adhering. Anything adhering may cause injury, etc.**



Compulsory

**For any skin abnormalities associated with handset use, discontinue use and consult a doctor immediately.**

Handset use may cause itchiness, skin irritation, rashes, etc. depending on your physical condition. For details on materials used for handset parts, see "Materials (Handset)."

## Handset Use & Electronic Medical Devices



### WARNING



Compulsory

**If you are using an electronic medical device (implanted pacemaker, implanted defibrillator, etc.), carry or use handset at least 15 cm away from where the device is.**

Radio waves may adversely affect operation of electronic medical devices.



Compulsory

**Before using an electronic medical device other than an implanted pacemaker or implanted defibrillator outside a medical institution (for home treatment, etc.), check with its manufacturer on radio wave effects.**

Radio waves may adversely affect operation of electronic medical devices.



Compulsory

**In a situation where you may not be able to maintain a distance of at least 15 cm from other persons, such as when your movement is restricted, disable radio wave emission by activating Airplane mode, powering off handset, etc.**

There may be persons with an electronic medical device (implanted pacemaker, implanted



defibrillator, etc.) nearby. Radio waves may adversely affect operation of electronic medical devices.



Compulsory

**Regarding handset use in a medical institution, follow the instructions given by the medical institution.**

Radio waves may adversely affect operation of electronic medical devices.



# Important Product Information

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- ↓ [General Use](#)
- ↓ [Heat from Handset Use](#)
- ↓ [Camera](#)
- ↓ [Urgent News \(Application\)](#)
- ↓ [Technical Regulations Conformity Certification](#)
- ↓ [Voluntary Control of Radio Interference](#)

## General Use

- If your SIM Card or handset (with SIM Card inserted) is lost or stolen, suspend your service immediately. For details, contact Customer Service.
- Handset transmissions may be disrupted inside buildings, tunnels or underground, or when moving into/out of such places; may affect calls.
- Use handset without disturbing others.
- Handsets are radios as stipulated by the Radio Law. Under the Radio Law, handsets must be submitted for inspection upon request.
- Handset use near landlines, TVs or radios may cause interference.
- Beware of eavesdropping.

Because this service is completely digital, the possibility of signal interception is greatly reduced. However, some transmissions may be overheard.

  - Eavesdropping

Deliberate/accidental interception of communications constitutes eavesdropping.
- Beware of harmful/malicious websites. Take added care when posting personal information.
- Handset uses an OEL display.

The same image shown continuously and at a high brightness setting may burn into Display. It is recommended that you lower Display brightness/shorten time until Display turns off (sleep). Colors on an OEL display may also appear differently when viewed at an angle.
- An export license may be required to carry handset into other countries if it is to be used by or transferred to another person. However, no such license is required when taking handset abroad for personal use on a vacation or business trip and then bringing it back.

Export control regulations in the United States provide that an export license granted by the US government is required to carry handset into Cuba, Iran, North Korea, Sudan or Syria.
- Many different kinds of applications can be installed on handset from Google Play (provided by



Google LLC). SoftBank Corp. is not responsible in any way for user-installed applications (quality, reliability, legality, fitness for a purpose, credibility, accuracy, etc.) or resulting malfunctions (viruses, etc.).

## Heat from Handset Use

- Depending on how or where used, interior of handset may become hot. Handset may then power off as a safety precaution.  
Let handset cool before powering on handset.


## Camera

- Mind etiquette when using Camera.
- Test Camera before shooting special moments.
- Do not use Camera in places where shooting is prohibited.
- Shot images may not be used/transferred without copyright holder (photographer) permission, except for personal use.

## Urgent News (Application)

- When Urgent News is received, handset notifies user via message, alert, and by vibrating.
  - Urgent News is enabled by default (can also be disabled).
  - By default, Alert sounds at maximum volume even when Manner mode is set, and vibration is enabled regardless of Manner mode setting (can be changed).
  - See "緊急速報メールを利用する" (Japanese) for details on Urgent News settings.
- Alerts are not received during calls/transmissions or in poor signal conditions.  
(Alerts can be received during voice calls over VoLTE.)
- Depending on usage/situation, handset may receive alerts for other areas or no alerts.
- SoftBank Corp. cannot be held liable for any damages associated with this service, including accidents resulting from received information, reception timing or reception failure.

## Technical Regulations Conformity Certification


Handset conforms to technical regulations pursuant to the Radio Law and the Telecommunications Business Law. To check technical regulations conformity certification information (e.g., ):

In Home Screen,  (Settings)  **About phone**  **Authentication**



## Voluntary Control of Radio Interference

Handset conforms to technical regulations pursuant to the Rules for Voluntary Control Measures of VCCI; the corresponding conformity mark is shown on electronic rating plate on handset. To check the electronic rating plate:

In Home Screen,  (Settings)  About phone  Authentication



# Handset & Hardware Care

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↓ [Handset & Hardware Care](#)

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↓ [Display \(Touchscreen\)](#)

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↓ [Quick Switch Adapter](#)

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↓ [Earphones-Microphone](#)

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↓ [Forcing Power Off](#)

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↓ [Bluetooth® Function](#)

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↓ [Wi-Fi \(Wireless LAN\)](#)

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## Handset & Hardware Care

- Use handset within 5°C - 35°C and 35% - 85% humidity.  
For use in bathrooms, see "Cautions for Use in a Bathroom."
- Avoid extreme temperature or direct sunlight.
- Handset/Internal Battery may become warm during operation or while charging. This is normal.
- Warranty does not cover malfunctions resulting from misuse.
- Wipe clean with a dry, soft cloth (such as for eye glasses).
  - Wiping forcefully may scratch Display.
  - Allowing moisture or smudges to remain on Display may leave blemishes.
  - Wiping with alcohol, thinner, benzine, detergent, etc. may remove print or fade colors.
- Avoid scratching Display.
- Avoid heavy objects or excessive pressure. May cause malfunction or injury.
  - Do not sit or squat with handset in your pants or skirt pocket. Be careful in particular when wearing heavy clothing.
  - Do not place heavy objects on handset inside handbags, packs, etc.
- Handset back cover is not removable. Do not try to remove it; may cause damage or malfunction, or affect water and dust resistance.
- Connect only specified products to Jacks. Other devices may malfunction or cause damage.
- Do not power off while using SD Card; may result in data loss or malfunction.
- When walking outside, moderate handset volume to avoid accidents.
- If thunder is audible while outdoors, discontinue use; there is a risk of lightning strike or electric shock.
- When holding handset, do not block Earpiece, Mic, Speaker, or Recorder Mic.



- Proximity Sensor prevents Touchscreen misoperation during calls. Do not cover or place a sticker/label over Proximity Sensor; Display may remain off during calls, disabling handset operation.
- If your hair is between Earpiece and your ear during calls, Proximity Sensor may not function properly.  
Display may remain on; touching Display accidentally may end the call.
- Do not cover Light Sensor or place a sticker/label over it; may hinder ambient light detection, resulting in malfunction of Light Sensor.
- Handset Earpiece is located at the center of Display upper end. If other party's voice is hard to hear during calls, hold handset so that Earpiece is next to your earhole for better audibility.

## Display (Touchscreen)

- Touchscreen is designed to be touched lightly with fingers.  
Do not press Display strongly with fingers or press on it with sharp objects (fingernails, ballpoint pens, pins, etc.).
- Touchscreen may not respond even if touched in these situations. Operating the display as follows may cause it to malfunction:
  - Use with gloves<sup>1</sup>
  - Use with long fingernails
  - Use with objects on/against Display
  - Use by sticking protective film or sticker, etc. on Display
  - Use while wet
  - Use when your fingers are wet or sweaty
  - Use underwater

1 When using handset with gloves on, enable glove mode. To set:

In Home Screen,  (Settings)  Display  Advanced  glove mode()

## Quick Switch Adapter

- Keep Quick Switch Adapter free of water or other liquids (drinking water, sweat, sea water, pet urine, etc.) or a foreign object such as dust.  
Quick Switch Adapter is not water and dust resistant.  
Do not use in high humidity (e.g., bathroom) or in rain, etc. With the adapter put on your body, the moisture from perspiration may corrode the inside and cause it to malfunction.
- Clean the terminals, etc. from time to time to maintain them in clean condition.  
Use in a soiled condition may prevent normal use.  
Avoid damaging terminal when cleaning.



- Do not drop or subject to impact. May cause malfunction or damage.
- Do not subject to strong impact. Do not deform the terminal. May cause malfunction.

## SIM Removal Tool

- Do not insert SIM Removal Tool in hole other than removal hole in Card Tray.  
May cause malfunction or damage.
- Do not apply excessive force.  
May cause malfunction or damage.
- Follow local rules regarding collection when disposing.
- Do not use SIM Removal Tool for any purpose other than described in this guide.  
May cause malfunction or damage.
- Do not use SIM Removal Tool in other mobile terminals.  
May cause malfunction or damage to mobile terminal.

## Earphones-Microphone

Some earphones-microphones may not work properly.

- Do not subject Earphones-Microphone Jack to strong impact while using earphones-microphone; may affect water and dust resistance.

## Forcing Power Off

If handset has stopped processing or won't respond to operation, power off forcibly as follows.

Power Key (Long Press for at least 8 seconds)

- Display goes out and handset powers off.

## Bluetooth® Function

SoftBank Corp. is not liable for any damages resulting from data/information leakage due to use of handset Bluetooth® function.

### ■Precautions

The frequency band utilized by handset Bluetooth® function is shared with industrial, scientific or medical equipment, including household microwave ovens, and used by radio stations, amateur radio stations, etc. (hereafter "other radio stations").



1. Before using Bluetooth®, visually check that no other radio stations sharing the same frequency band are in use nearby.
2. Should interference occur between handset and other radio stations, move it to a different location or cancel Bluetooth® function immediately.
3. For additional information and support, contact Customer Service.

•Frequency Band

This radio station utilizes 2.4 GHz band.

FH:FH-SS modulation, with a maximum interference range of about 80 m.

XX:Other modulation, with a maximum interference range of about 80 m.

It is not possible for the radio station to avoid using the frequency band of a mobile unit identification apparatus.



## Wi-Fi (Wireless LAN)

Wireless LAN (hereafter "Wi-Fi") uses radio waves to enable communication between compatible devices within range. However, it is advisable for the user to configure security settings to avoid risk of data interception.

- Do not use Wi-Fi near electrical appliances, audiovisual equipment or office automation equipment; may affect Wi-Fi transmission speed, availability, clarity, etc. (Especially when a microwave oven is in use.)
- If there are multiple access points nearby, handset may not detect access points correctly.

■Precautions

The frequency band utilized by handset Wi-Fi is shared with industrial, scientific or medical equipment, including household microwave ovens, and used by radio stations, amateur radio stations, etc. (hereafter "other radio stations").

1. Before using Wi-Fi, visually check that no other radio stations sharing the same frequency band are in use nearby.
2. Should interference occur between handset and other radio stations, move it to a different location or disable Wi-Fi immediately.
3. For additional information and support, contact Customer Service.

•Frequency Band

This radio station utilizes 2.4 GHz and 5 GHz bands.

•2.4 GHz band



DSSS-OFDM modulation, with a maximum interference range of 40 m.



Handset supports Wi-Fi channels 1 - 13. Handset does not connect to access points set to other channels.

- Channels in 5 GHz band

Three bands are available within 5 GHz frequency band: 5.2 GHz, 5.3 GHz, and 5.6 GHz (W52, W53, and W56).

- W52 (5.2 GHz band; channels 36, 40, 44, 48)
- W53 (5.3 GHz band; channels 52, 56, 60, 64)
- W56 (5.6 GHz band; channels 100, 104, 108, 112, 116, 120, 124, 128, 132, 136, 140, 144)

Use of 5.2 GHz or 5.3 GHz band wireless LAN for outdoor communication is prohibited by law (excluding communication with the access points and relay stations of high-output data communications systems operating in the 5.2 GHz band).

- Simultaneous Use with Bluetooth®

Wi-Fi (IEEE 802.11b/g/n/ax) and Bluetooth® transmit on the 2.4 GHz band. Enabling handset Bluetooth® or using Bluetooth® devices near handset may affect Wi-Fi transmission speed, availability and clarity. Should interference occur, cancel handset Bluetooth® or discontinue Bluetooth® device use.

- Available channels vary by country.
- For use of Wi-Fi aboard aircraft, check with airline beforehand.
- In some countries/regions, there are restrictions on the use of Wi-Fi. Check the local laws and regulations before using Wi-Fi on handset abroad.



# General Notes

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"LP-01" here refers to this mobile phone "Leitz Phone 1."

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↓ [Portrait Rights](#)

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↓ [Copyrights](#)

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↓ [Open Source Software](#)

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↓ [Regulatory Information](#)

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↓ [Frequency Range of Supported Bands in EU](#)

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↓ [Maximum Transmit Power](#)

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↓ [Battery Cautions](#)

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↓ [Mobile Light](#)

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↓ [Volume Level Caution](#)

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↓ [FCC Notice](#)

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## Portrait Rights

Portrait rights protect individuals' right to refuse to be photographed or to refuse unauthorized publication/use of their photographs. Portrait rights consist of the right to privacy, which is applicable to all persons, and the right to publicity, which protects the interests of celebrities. Therefore, photographing others including celebrities and publicizing/distributing their photographs without permission is illegal; use Camera responsibly.





## Copyrights

Copyright laws protect sounds, images, computer programs, databases, other materials and copyright holders. Duplicated material is limited to private use only. Use of materials beyond this limit or without copyright holder permission may constitute copyright infringement, and be subject to criminal punishment. Comply with copyright laws when using images shot with Camera.

The software contained in handset is copyrighted material; copyright, moral right and other related rights are protected by copyright laws. Do not copy, modify, alter, disassemble, decompile or reverse-engineer the software; do not separate it from hardware in whole or part.



## Open Source Software

- Handset contains software based on GNU General Public License (GPL), GNU Lesser General Public License (LGPL), and other licenses.  
To check details of relevant software licenses:  
In Home Screen,  (Settings)  About phone  Legal information  Third-party licenses
- The source code of software based on GPL, LGPL, and Mozilla Public License (MPL) is provided on the following website free of charge.  
<http://k-tai.sharp.co.jp/support/developers/oss/> (Japanese)

## Regulatory Information

In some countries/regions including Europe<sup>\*1</sup>, there are restrictions on the use of 5GHz WLAN that may limit the use to indoors only.

Please check the local laws and regulations beforehand.

<sup>\*1</sup> Belgium [BE], Bulgaria [BG], Czech Republic [CZ], Denmark [DK], Germany [DE], Estonia [EE], Ireland [IE], Greece [EL], Spain [ES], France [FR], Croatia [HR], Italy [IT], Cyprus [CY], Latvia [LV], Lithuania [LT], Luxembourg [LU], Hungary [HU], Malta [MT], Netherlands [NL], Austria [AT], Poland [PL], Portugal [PT], Romania [RO], Slovenia [SI], Slovakia [SK], Finland [FI], Sweden [SE] and United Kingdom (Northern Ireland) [UK(NI)], Switzerland [CH], Liechtenstein [LI], Iceland [IS], Norway [NO].

Norway: Use of this radio equipment is not allowed in the geographical area within a radius of 20 km from the centre of Ny-Alesund, Svalbard.

Hereby, SHARP CORPORATION declares that the radio equipment type LP-01 is in compliance with Directive 2014/53/EU.

The full text of the EU declaration of conformity is available at the following internet address:  
<https://jp.sharp/k-tai/>

Manufacturer's Address:

SHARP CORPORATION,  
1 Takumi-cho, Sakai-ku, Sakai-shi,  
Osaka 590-8522, Japan



## Frequency Range of Supported Bands in EU

Item	Description
<b>GSM 900</b>	Tx 880.2 to 914.8 MHz Rx 925.2 to 959.8 MHz
<b>DCS 1800</b>	Tx 1710.2 to 1784.8 MHz Rx 1805.2 to 1879.8 MHz
<b>WCDMA FDD I</b>	Tx 1922.4 to 1977.6 MHz Rx 2112.4 to 2167.6 MHz
<b>WCDMA FDD VIII</b>	Tx 882.4 to 912.6 MHz Rx 927.4 to 957.6 MHz
<b>LTE Band 1</b>	Tx 1922.5 to 1977.5 MHz Rx 2112.5 to 2167.5 MHz
<b>LTE Band 3</b>	Tx 1710.7 to 1784.3 MHz Rx 1805.7 to 1879.3 MHz
<b>LTE Band 7</b>	Tx 2502.5 to 2567.5 MHz Rx 2622.5 to 2687.5 MHz
<b>LTE Band 8</b>	Tx 880.7 to 914.3 MHz Rx 925.7 to 959.3 MHz
<b>LTE Band 20</b>	Tx 834.5 to 859.5 MHz Rx 793.5 to 818.5 MHz
<b>LTE Band 28</b>	Tx 704.5 to 746.5 MHz Rx 759.5 to 801.5 MHz
<b>LTE Band 38</b>	Tx 2572.5 to 2617.5 MHz Rx 2572.5 to 2617.5 MHz
<b>LTE Band 40</b>	Tx 2302.5 to 2397.5 MHz Rx 2302.5 to 2397.5 MHz
<b>Bluetooth</b>	Tx 2402 to 2480 MHz Rx 2402 to 2480 MHz
<b>WLAN 2.4 GHz</b>	Tx/Rx 2412 to 2472 MHz (BW:20MHz) Tx/Rx 2422 to 2462 MHz (BW:40MHz)
<b>WLAN 5 GHz</b>	W52 (U-NII 1): Tx/Rx 5180 to 5240 MHz (BW:20 MHz) Tx/Rx 5190 to 5230 MHz (BW:40 MHz) Tx/Rx 5210 MHz (BW:80 MHz) W53 (U-NII 2A): Tx/Rx 5260 to 5320 MHz (BW:20 MHz) Tx/Rx 5270 to 5310 MHz (BW:40 MHz)



	Tx/Rx 5290 MHz (BW:80 MHz) W52/W53: Tx/Rx 5250 MHz (BW:160MHz) W56 (U-NII 2C): Tx/Rx 5500 to 5700 MHz (BW:20 MHz) Tx/Rx 5510 to 5670 MHz (BW:40 MHz) Tx/Rx 5530 to 5610 MHz (BW:80 MHz) Tx/Rx 5570 to 5650 MHz (BW:160MHz)
<b>NFC</b>	Tx/Rx 13.56 MHz
<b>GNSS</b>	GPS:Rx L1 (1575.42 MHz) GLONASS:Rx G1 (1598.0625 to 1605.375 MHz) Galileo:Rx E1 (1575.42 MHz) BeiDou:Rx B1 (1561.098 MHz) GPS:Rx L5 (1176.450 MHz) Galileo:Rx E5a (1176.450 MHz)

## Maximum Transmit Power

Item	Description
<b>GSM 900</b>	+33 dBm (Power Class 4)
<b>DCS 1800</b>	+30 dBm (Power Class 1)
<b>WCDMA FDD I</b>	+24 dBm (Power Class 3)
<b>WCDMA FDD VIII</b>	+24 dBm (Power Class 3)
<b>LTE Band 1</b>	+23 dBm (Power Class 3)
<b>LTE Band 3</b>	+23 dBm (Power Class 3)
<b>LTE Band 7</b>	+23 dBm (Power Class 3)
<b>LTE Band 8</b>	+23 dBm (Power Class 3)
<b>LTE Band 20</b>	+23 dBm (Power Class 3)
<b>LTE Band 28</b>	+23 dBm (Power Class 3)
<b>LTE Band 38</b>	+23 dBm (Power Class 3)
<b>LTE Band 40</b>	+23 dBm (Power Class 3)
<b>Bluetooth</b>	+13.0 dBm (Power Class 1)
<b>WLAN 2.4 GHz</b>	+15.0 dBm (ANT0 + ANT1)
<b>WLAN 5 GHz</b>	+15.0 dBm (ANT0 + ANT1)
<b>NFC</b>	0 dB $\mu$ A/m at 10m



## Battery Cautions

Use specified Charger only.

Non-specified equipment use may cause Internal Battery to leak, overheat, burst or ignite, and may cause Charger to overheat, ignite, malfunction, etc.

Battery is built into handset. Do not dispose of handset with ordinary refuse; take it to a SoftBank Shop for appropriate disposal.

Charge handset in ambient temperature 5°C - 35°C; Internal Battery may leak/overheat and performance may deteriorate outside this range.

## Mobile Light

Do not shine Mobile Light in eyes.

May temporarily affect eyesight or startle, leading to accidents.

## Volume Level Caution

To prevent possible hearing damage, do not listen at high volume levels for long periods.



## FCC Notice

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

(1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Changes or modifications not expressly approved by the manufacturer responsible for compliance could void the user's authority to operate the equipment.

### ■FCC Information to User

This equipment has been tested and found to comply with the limits of a Class B digital device, pursuant to Part 15 of the FCC Rules.



These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation; if this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

1. Reorient/relocate the receiving antenna.
2. Increase the separation between the equipment and receiver.
3. Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
4. Consult the dealer or an experienced radio/TV technician for help.



# Radio Wave Exposure and Specific Absorption Rate (SAR) Information

【LP-01】 here refers to this mobile phone 【Leitz Phone 1】.

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↓ [Specific Absorption Rate \(SAR\) for This Product \(for Japan\)](#)

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↓ [European RF Exposure Information](#)

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↓ [FCC RF Exposure Information](#)

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## Specific Absorption Rate (SAR) for This Product (for Japan)

This mobile phone 【LP-01】 is compliant with the Japanese technical regulations\* and international guidelines for exposure to radio waves.

The Japanese technical regulations on human exposure to radio frequency energy have established permitted levels of radio frequency energy, based on the standards developed by independent scientific organizations through periodic and thorough evaluation of scientific studies.

The regulation employs a unit of measurement known as the Specific Absorption Rate, or SAR.

The SAR limit is 2 watts/kilogram (W/kg) averaged over ten grams of tissue.

The limit includes a substantial safety margin designed to assure the safety of all persons, regardless of age and health.

The value of the limit is equal to the value stipulated in the international guideline recommended by ICNIRP\*\*, which is in collaboration with the World Health Organization (WHO).

The highest SAR value for this mobile phone is 1.520 W/kg\*\*\* when tested for use at the ear, and 0.583 W/kg\*\*\* when worn on the body in the below manner\*\*\*\*.

While there may be differences between the SAR levels of various phones and at various positions, all phones meet the Japanese technical regulations.

Although the SAR is determined at the highest certified power level, the actual SAR of the phone during operation can be well below the maximum value.

\* The technical regulation is provided in the Article 14-2 of the Ministry Ordinance Regulating Radio Equipment.

\*\* International Commission on Non-Ionizing Radiation Protection

\*\*\* The value is under simultaneous transmission use conditions.



\*\*\*\* Use at positions other than at the ear

This mobile phone may be used at positions other than at the ear. By using an accessory such as a belt clip holster that maintains a 1.5 cm separation with no metal (parts) between the body and the mobile phone, this mobile phone will comply with international guidelines for radio wave protection.

The WHO has announced that "A large number of studies have been performed over the last two decades to assess whether mobile phones pose a potential health risk. To date, no adverse health effects have been established as being caused by mobile phone use."

For more information about SAR, see the following websites:

Ministry of Internal Affairs and Communications (MIC)

<https://www.tele.soumu.go.jp/e/sys/ele/body/index.htm>

Association of Radio Industries and Businesses (ARIB)

<https://www.arib-emf.org/01denpa/denpa02-02.html> (Japanese)

World Health Organization

<https://www.who.int/news-room/fact-sheets/detail/electromagnetic-fields-and-public-health-mobile-phones>

List of Specific Absorption Rates (SAR) for radio waves by smartphone/3G model

<https://www.softbank.jp/mobile/support/sar/> (Japanese)

## European RF Exposure Information

Your mobile device is a radio transmitter and receiver. It is designed not to exceed the limits for exposure to radio waves recommended by international guidelines. These guidelines were developed by the independent scientific organization ICNIRP and include safety margins designed to assure the protection of all persons, regardless of age and health. The guidelines use a unit of measurement known as the Specific Absorption Rate, or SAR. The SAR limit for mobile devices is 2.0 W/kg and the highest SAR value for this device when tested at the ear is 0.130 W/kg\*. As mobile devices offer a range of functions, they can be used in other positions, such as on the body. In this case, the highest tested SAR value is 1.360 W/kg\* at the separation distance of 0.5 cm from the body. For electronic safety, maintain the separation distance with accessories containing no metal, that position handset a minimum of the above distance. Use of other accessories may not ensure compliance with RF exposure guidelines.

\* The tests are carried out in accordance with international guidelines for testing.

Simplified Declaration of Conformity for 【LP-01】

Hereby, SHARP CORPORATION declares that the radio equipment type 【LP-01】 is in compliance with Directive 2014/53/EU. The full text of the EU declaration of conformity is available at the



following internet address:<https://jp.sharp/k-tai/>.

## FCC RF Exposure Information

Your handset is a radio transmitter and receiver. It is designed and manufactured not to exceed the emission limits for exposure to radio frequency (RF) energy set by the Federal Communications Commission of the U.S. Government.

The guidelines are based on standards that were developed by independent scientific organization through periodic and thorough evaluation of scientific studies. The standards include a substantial safety margin designed to assure the safety of all persons, regardless of age and health.

The exposure standard for wireless handsets employs a unit of measurement known as the Specific Absorption Rate, or SAR.

The SAR limit set by the FCC is 1.6 W/kg. The tests are performed in positions and locations (e.g. at the ear and worn on the body) as required by the FCC for each model.

The highest SAR value for this model handset as reported to the FCC when tested for use at the ear is 0.18 W/kg, and when worn on the body in a holder or carry case, is 1.10 W/kg.

Body-worn Operation; This device was tested for typical body-worn operations with the handset kept 1.0 cm from the body. To maintain compliance with FCC RF exposure requirements, use accessories that maintain a 1.0 cm separation distance between the user's body and the handset. The use of beltclips, holsters and similar accessories should not contain metallic components in its assembly.

The use of accessories that do not satisfy these requirements may not comply with FCC RF exposure requirements, and should be avoided. The FCC has granted an Equipment Authorization for this model handset with all reported SAR levels evaluated as in compliance with the FCC RF emission guidelines. SAR information on this model handset is on file with the FCC and can be found under the Display Grant section of <http://www.fcc.gov/oet/ea/> after searching on FCC ID APYHRO00296.

Additional information on Specific Absorption Rates (SAR) can be found on the FCC website at <https://www.fcc.gov/general/radio-frequency-safety-0>.

### FCC ID Location

The device is electronically labeled and the FCC ID can be displayed from Home Screen as follows:  
In Home Screen,  (Settings)  About phone  Authentication.



# Water & Dust Resistance

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↓ [Handset Water & Dust Resistance](#)

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↓ [Precautions](#)

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↓ [Cautions for Use in a Bathroom](#)

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↓ [Charging Cautions](#)

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↓ [Care & Maintenance](#)

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↓ [Washing Handset](#)

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↓ [Drying Handset](#)

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## Handset Water & Dust Resistance

Handset has IPX5<sup>1</sup>-, IPX8<sup>2</sup>-equivalent water protection and IP6X<sup>3</sup>-equivalent dust protection with Card Tray closed firmly leaving no gap between handset and Card Tray.

1 IPX5 compliant means that a handset continues to function as a phone after being subjected to a water jet (approximately 12.5 liters/min.) discharged from a nozzle (inner diameter:6.3 mm), from all directions (approximately 3 m from handset) for at least 3 minutes.

2 IPX8 compliant means that a handset continues to function as a phone after being gently submerged to the depth of 1.5 m in still tap water at room temperature, left there for approximately 30 minutes, then removed from it.

3 IP6X compliant means that a handset continues to function as a phone and its safety is maintained after being agitated in a device containing dust of 75 µm or smaller in diameter for 8 hours and then removed from the device.

- Water and dust resistance may be affected under some circumstances. Warranty does not cover malfunctions resulting from misuse.
- Handset is compliant with IPX5 and IPX8 water protection standards as well as IP6X dust protection standard. However, ingress of dirt, sand, mud, metal powder, food, beverage, sea water, etc. may cause malfunction.

### ■Handset Care

- Close Card Tray firmly leaving no gap between handset and Card Tray. Any debris (single hair, grain of sand, minute fiber, etc.) trapped between gasket and contacting surface may allow ingress of water/dust.
- If handset is exposed to liquids with Card Tray open, they may enter handset and cause electric



shock or malfunction. Discontinue use and power off.

- If handset is wet, wipe it with a dry cloth.
- Never open/close Card Tray with wet hands or while handset is wet or has a foreign object adhered to it.
- Do not use Earphones-Microphone Jack or External Connection Jack while it is wet or obstructed by sand/dirt; may affect water and dust resistance or may cause malfunction, burns or fire due to electric shock, short-circuiting, etc.
- Handset is only water resistant against fresh/tap water between 5°C - 35°C.

## Precautions

- Do not subject handset to soap, detergent, bath powder/oil, sea/pool/spa water, hot water, etc.
- Rinse off sea/pool water, beverage, dirt, sand, mud, etc. immediately with fresh/tap water between 5°C - 35°C; residue may cause malfunction if allowed to dry.
- Do not soak handset in bath or pool; never use it in water (including key operation).
- Handset is not resistant to water pressure. Avoid high-pressure water/shower (over 6 liters/min.) and water immersion.
- Do not expose handset to high humidity for long periods; avoid prolonged use in bath/shower rooms.
- Volume may be low when an opening such as Mic, Recorder Mic, Earpiece or Speaker is wet; dry handset before use (see "Drying Handset").
- AC Adaptor and other optional accessories are not waterproof or dustproof. Do not use in high humidity or where exposed to water (e.g., outdoors, in bathrooms, at sinks, etc.). May cause fire, electric shock, or malfunction.
- Do not subject handset to strong impact (e.g., from a fall); do not poke Mic, Earpiece, Speaker, Recorder Mic, etc. with a sharp object; may affect water and dust resistance.
- Avoid placing handset directly on sand. Sand may penetrate Earpiece, Speaker, etc., resulting in low volume.
- To prevent condensation, warm handset to room temperature before bringing it from a cold place into a warm place such as a bathroom. If condensation occurs, leave handset at room temperature until it is dry.
- Handset does not float on water.
- Keep handset out of heavy rain.

## Cautions for Use in a Bathroom

- Do not let handset get wet with liquids other than tap water at room temperature (spa water, soapy water, detergent solutions, bubble bath water, etc.); do not submerge it in a bathtub.



May cause malfunction.

If handset gets exposed to liquids other than tap water or falls in a bathtub, wash it in the specified way.

- Use handset at 5°C - 40°C with humidity of 99% or less, for up to 2 hours.

Note that this does not guarantee continuous operation of all functions.

- After exposing handset to water, be sure to remove moisture and let it dry naturally in the way specified in "Drying Handset."

Let handset dry naturally after using it in a bathroom or when condensation occurs inside Camera lens, etc.

- Be careful not to splash hot water on handset.

- Extreme temperature changes may cause condensation.

Wait until handset reaches room temperature before bringing it from a cold place into a warm bathroom.

In addition, do not splash cold water on handset when it is warm in a bathroom.

May cause malfunction.

- Never charge handset in a bathroom.

- Depending on the layout and condition of a bathroom, handset may not receive a signal (call functions and data communication may be unavailable).

- If operated with wet hands, handset may not respond or may malfunction.

- Do not use in a bath room with earphones or other external device connected.

- Disable glove mode beforehand as follows.

In Home Screen,  (Settings)  Display  Advanced  glove mode()

## Charging Cautions

- Never connect a USB Type-C plug while handset or AC Adaptor is wet.

Handset is water resistant; however, if a USB Type-C plug is inserted while it is wet, liquid (tap water, beverage, sea water, pet urine, etc.) or a foreign object adhered to handset or a USB Type-C plug may cause overheating, burnout, fire, malfunction, burns, etc. due to electric shock, short-circuiting, etc.

- Do not use AC Adaptor where water is regularly in use (kitchens, bathrooms, shower rooms, etc.); may cause fire or electric shock.

## Care & Maintenance

- Proper care of Card Tray gasket is crucial for continued handset water and dust resistance.

Observe the following:

- Do not remove or damage gasket.



Keep it clean.

- If Card Tray is damaged or deformed, contact a SoftBank Shop.

- Do not insert a sharp object into Card Tray gap, Earphones-Microphone Jack or External Connection Jack.
- To maintain water and dust resistance, it is recommended to replace Card Tray every 2 years regardless of its condition. Customer-requested Card Tray replacement incurs fees and requires handset submission. For details, contact a SoftBank Shop or Customer Service.

## Washing Handset

Wipe off dirt, sand, beverage, etc., gently with a cloth. Then hold handset approximately 10 cm below faucet or shower head and wash with low-pressure tap water (6 liters/min. or lower) at room temperature (5°C - 35°C). Wash with your hands, holding Card Tray so it makes no gap with handset; do not use a brush or sponge. Dry handset before use; after drying it well, power on.

- Before washing handset, make sure that Card Tray is closed firmly leaving no gap between handset and Card Tray.
- Do not use a washing machine or ultrasonic cleaner.
- Earphones-Microphone Jack and External Connection Jack tend to accumulate dust, sand, etc.; rinse and dry them completely before use. Any residue may cause malfunction, burns or fire.
- Do not put a cotton swab, cloth, etc. into Earphones-Microphone Jack or External Connection Jack; may affect water resistance, causing malfunction.

## Drying Handset

After exposing handset to water, be sure to dry Earpiece/Speaker, Volume Keys, Power Key, Assistant Key, Speaker, External Connection Jack, Mic/Recorder Mic, Earphones-Microphone Jack, Mic, and Camera ornament.

1

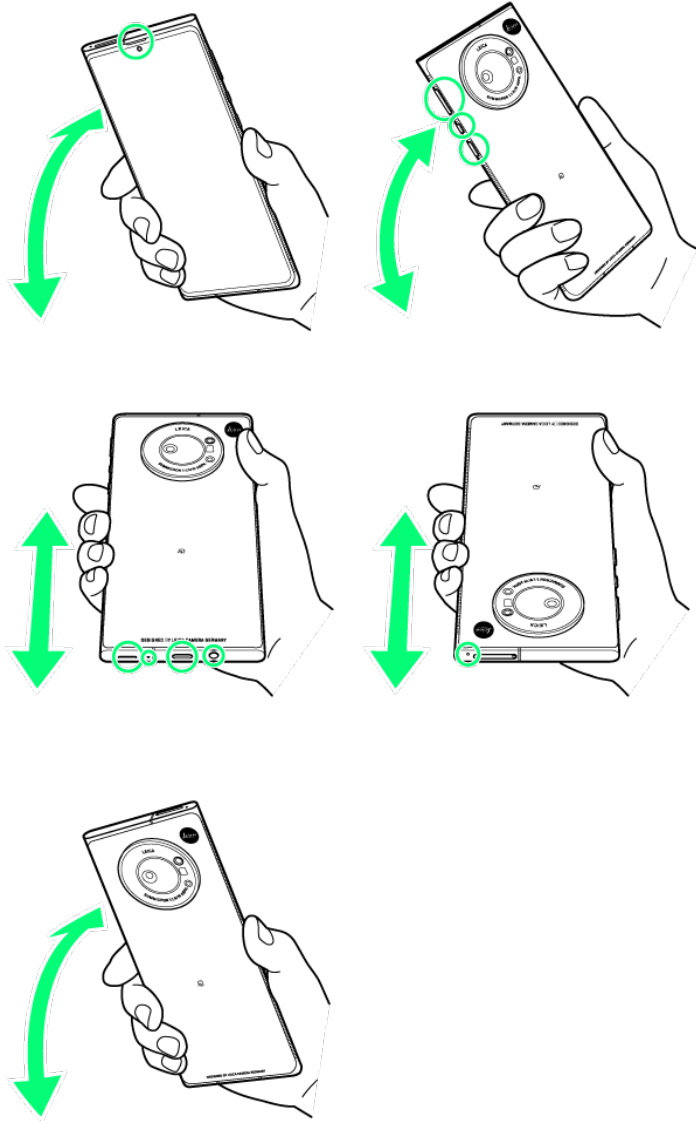
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Wipe handset surface with dry cloth

2



Holding handset firmly by its sides, shake it about 20 times



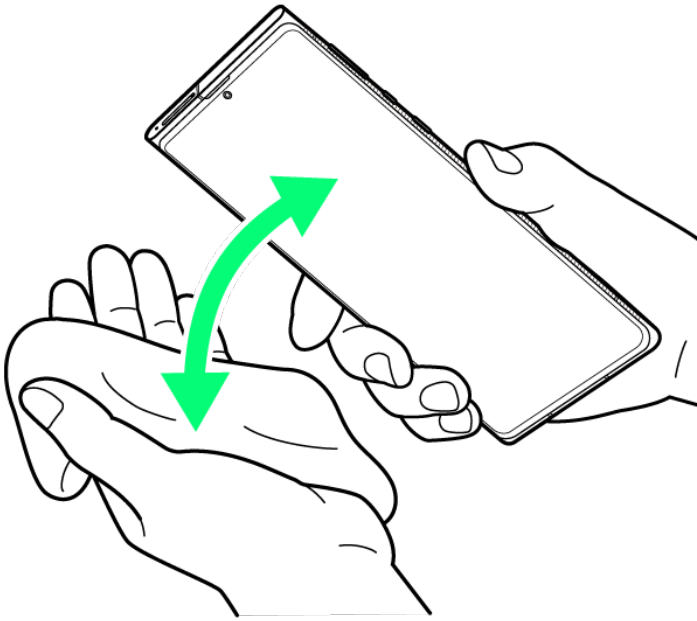
- When shaking handset, hold it firmly so as not to drop it.
- Shake with circled ○ portion downward to drain water from all holes and gaps.

3

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Pat against dry cloth to remove moisture from openings and grooves





- Water may be trapped in openings; pat against a dry cloth to remove it.

4

Leave handset on dry cloth for approximately 2 - 3 hours at room temperature

 Handset is dried.

### **Cautions**

#### **When Removing Moisture**

Do not put a cotton swab, cloth, etc. into openings; may affect water and dust resistance.

#### **After Drying Procedure**

Do not use handset in wet conditions.

- Calls may fail, or moisture may transfer to clothes, bag, etc.
- Moisture may short-circuit Earphones-Microphone Jack, External Connection Jack or other parts.
- Exposure to cold may freeze moisture and cause malfunction.