

# Introduction

Thank you for purchasing "\*\*\*\_\*\*\*\*".

Be sure to read this manual before and during use to ensure proper operation.

## About the Manuals

### ■ Quick setup manual (Basic package) (in Japanese only)

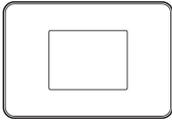
This manual describes how to connect devices, such as PCs, game consoles, and smartphones, to this device.

### ■ User's Manual (in PDF format)

This manual describes detailed guidance and operations of functions. You can download it from the website.

- This manual contains the information available at the time of purchase.
- The contents of this manual and the URL of the website are subject to change without prior notice.
- The screens and illustrations in this manual are shown as examples. The actual screens and illustrations may differ.
- Reproduction of this manual in part or in whole without prior permission is prohibited.

## Basic package



Device



SIM eject tool (sample)



Quick setup manual  
(in Japanese only)



Notes on usage  
(in Japanese only)



Wireless LAN  
initial setting sticker  
(in Japanese only)

- Optional parts (sold separately) compatible with the device can also be checked and purchased on online shop.

## Using the device

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- The device supports 5G(Japan only), LTE, W-CDMA, and wireless LAN systems.
- Because the device relies on radio signals, it cannot be used in a place with no signal (such as tunnels, underground or in buildings), in places with a weak signal or outside the service area. You may not use the device in the upper floors of a building even with no obstructions in sight. There may also be times when the signal is strong and [  ] (indicating signal status) is displayed, and you are not moving but communication is interrupted.
- Take notes of the device settings or save the device settings to external memory devices such as PCs periodically. We shall not be liable for any loss of content due to a failure, repair, model change or other handling of the device.
- The device automatically performs communication for some functions, for example, to check the latest software version. Also, making communication with large-volume data will lead to higher packet communication charges. Subscription to Packet Pack/flat-rate packet communication services is highly recommended.
- Secure the security of the device by setting the password of [Screen Lock] in case you lose it.
- The service contents are subject to change without prior notice.
- For details on usage fees, etc., refer to the website.
- The display is manufactured using high-precision technology, but it may contain dots that fail to light or that remain permanently lit on some areas. This is a characteristic of display and not a malfunction.
- Note that we shall not guarantee operation of commercially available optional parts.

## Key features

This device can simultaneously connect to multiple Wi-Fi devices, such as PCs and game consoles, using Wi-Fi. The device can also be connected to a PC with a USB cable data communications, and it can be used as a wired router.

### ■ Wi-Fi connection

You can connect Wi-Fi devices (such as PCs and game consoles) to this device for data communications. Up to 16 Wi-Fi devices can simultaneously connect to this device.

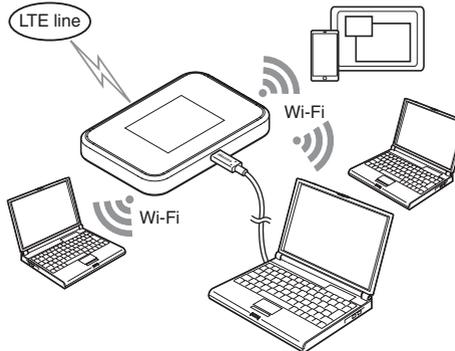


### ■ Connecting and communicating over the USB cable

You can connect this device to a PC with a USB cable for data communications.

You can also use the USB connection at the same time as Wi-Fi connections.

Wi-Fi devices can connect over Wi-Fi even when the USB cable is connected to the device.



### ■ Support for QR codes & WPS connections

You can easily connect your smartphone or other device to the device over Wi-Fi by displaying a QR code on the device and reading\* it with your smartphone's camera.

WPS connections are also supported to allow you to connect your smartphone to the device using the WPS key.

You can quickly connect and use your first Wi-Fi device with ease.

## Precautions (ALWAYS FOLLOW THESE DIRECTIONS)

- Before use, read these “Precautions” carefully and use your device properly.
- These precautions contain information intended to prevent bodily injury to the user and to surrounding people, as well as damage to property, and must be observed at all times.
- The following symbols indicate the different degrees of injury or damage that may occur if information provided is not observed and the device is used improperly.

 <b>Danger</b>	This symbol indicates that “death or serious bodily injury <sup>(*1)</sup> may directly and immediately result from improper use”.
 <b>Warning</b>	This symbol indicates that “death or serious bodily injury <sup>(*1)</sup> may result from improper use”.
 <b>Caution</b>	This symbol indicates that “minor injury <sup>(*2)</sup> and/or property damage <sup>(*3)</sup> may result from improper use”.

\*1 Serious bodily injury: This refers to loss of eyesight, bodily 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 bodily injury, 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.

- The following symbols indicate specific directions.

 Don't	Indicates a prohibited action.
 No disassembly	Indicates not to disassemble the device.
 No liquids	Indicates not to use the device near water or get it wet.
 No wet hands	Indicates not to handle the device with wet hands.
 Instruction	Indicates that instructions specified are compulsory (must be followed).
 Unplug	Indicates that the power cord must be unplugged from the outlet.

## Handling the device, adapters, and UIM card (general)

### Danger



Don't

**Do not use, store or leave the equipment in locations subject to high temperatures or accumulation of heat (near a fire or heating unit, in a kotatsu or bedding, under direct sunlight, inside a vehicle on a hot day, etc.).**

May cause fires, burns, bodily injury, electric shock, etc.



Don't

**Do not place the equipment inside cooking appliances such as microwave ovens and induction cookers or high pressure vessels such as pressure cookers, or near them.**

May cause fires, burns, bodily injury, electric shock, etc.



Don't

**Do not sprinkle sand, soil or dirt on the equipment or put the equipment directly on it. Also, do not touch the equipment when sand, etc. is adhering to your hand.**

May cause fires, burns, bodily injury, electric shock, etc.



Don't

**Do not charge the equipment while it is wet with liquids such as water (drinking water, sweat, seawater, pet urine, etc.). Also, do not charge the equipment in a location where it will come into contact with water such as a bathroom, etc.**

May cause fires, burns, bodily injury, electric shock, etc.



Don't

**Do not press the equipment strongly or broken it. Especially when carrying the equipment in your pocket, do not allow it to be hit with or nipped in objects.**

May cause fires, burns, bodily injury, etc. because of damage of the internal battery.

\* Take particular care with the followings

- Sitting or squatting down while putting the equipment in your pocket of trousers or skirt
- Allow the equipment to be nipped in the door or vehicular door while putting the equipment in your pocket of outerwear
- Stepping on the equipment while it is placed on a soft object such as the sofa or bedding, floor



Don't

**Do not attempt to remove the internal battery from the device.**

May cause fires, burns, bodily injury, electric shock, etc.



Don't

**Do not attempt to remove the back cover from the device.**

May cause fires, burns, bodily injury, electric shock, etc.



No disassembly

**Do not attempt to disassemble or modify the equipment.**

May cause fires, burns, bodily injury, electric shock, etc.



No liquids

**Do not get the equipment wet with liquids such as water (drinking water, sweat, seawater, pet urine, etc.).**

May cause fires, burns, bodily injury, electric shock, etc.



No liquids

**Do not allow liquids such as water (drinking water, sweat, seawater, pet urine, etc.) to get inside the charger terminal or external connection jack.**

May cause fires, burns, bodily injury, electric shock, etc.



Instruction

**Use only optional parts specified by seller.**

May cause fires, burns, bodily injury, electric shock, etc. if you use a device other than specified one.

### Warning



Don't

**Do not subject the equipment to strong force, impacts or vibration such as letting it fall, stepping on it or throwing it.**

May cause fires, burns, bodily injury, electric shock, etc.



Don't

**Do not allow conductive materials (such as metal objects and pencil lead) to come into contact with the charger terminal or external connection jack or dust to get inside it.**

May cause fires, burns, bodily injury, electric shock, etc.



Don't

**Do not cover or wrap the equipment with bedding, etc. when using or charging.**

May cause fires, burns, etc.



Instruction

**If charging is not completed after the specified charging time, stop charging.**

May cause fires, burns, bodily injury, etc. because of overcharging.



Instruction

**Be sure to turn off the device and not to charge the battery in locations where flammable gas may be generated and where dust is generated.**

The flammable gas, etc. could ignite, causing a fire, explosion, etc.



Instruction

**Follow the instructions given by the respective facility regarding use of the device in a gas station.**

Do not perform charging in a gas station, etc. Also, take care not to drop the device when using it in a gas station, etc. In particular, do not use the device when refilling a vehicle with gas. The flammable gas, etc. could ignite, causing a fire, explosion, etc.



Instruction

If any trouble such as an unusual odor, unusual noise, smoking, overheating, discoloration or deformation is found during use, charge or storage, follow the instructions below.

- Unplug the power plug from the outlet or accessory socket.
- Turn off the device.

May cause fires, burns, bodily injury, electric shock, etc. if you do not follow the instructions above.

## ⚠ Caution



Don't

**Do not use a damaged equipment.**  
May cause fires, burns, bodily injury, etc.



Don't

**Do not leave the equipment on unstable surfaces, such as on a wobbly table or sloped surface.**  
May fall and cause injury, etc.



Don't

**Do not use or store the equipment in locations that are subject to humidity, dust or high temperatures.**  
May cause fires, burns, electric shock, etc.



Don't

**If being used by a child, have a guardian teach him/her the proper handling procedures and do not have him/her use it improperly.**  
May cause bodily injury, etc.



Don't

**Do not place the equipment where the young children can reach it.**  
**Be especially careful with regard to the storage location of small parts such as the UIM card tray and SIM eject tool.**  
A young child may swallow the equipment, or suffer bodily injury, electric shock, etc.



Instruction

**Be careful when using the device continuously or when charging because it may become warm. Also, be careful not to unintentionally touch it continuously when it is in a pocket of your clothing, or when you fall asleep, etc.**

The device or adapter may become warm when using data communication, etc. for a long time or when charging. Directly touching a warmed part for a long time may cause redness, itching, rashes, low-temperature burns, etc. on your skin depending on your constitution or health condition.

## Handling the device

## ⚠ Danger



Don't

**Do not throw the device into a fire or heat it.**  
May cause fires, burns, bodily injury, etc.



Don't

**Do not apply excessive force on the device such as puncturing it with a sharp object (nail, etc.), hitting it with a hard object (hammer, etc.) or stepping on it.**  
May cause fires, burns, bodily injury, etc.



Instruction

**If the substance inside the device comes into contact with your eyes or mouth, etc. immediately rinse the contacted area with clean water. Then seek prompt medical treatment.**

May result in loss of eyesight, sick, etc. because of the substance, etc. inside the device.

## ⚠ Warning



Don't

**Do not watch the screen which is flashing repeatedly for a long time.**  
May cause spasm or loss of consciousness.



Don't

**Do not allow water or other liquids (drinking water, sweat, seawater, pet urine, etc.), metal (a blade of cutter, staple, etc.), flammable material or other foreign object to enter the UIM card tray slot on the device.**

**Also, do not insert the UIM card in the wrong place or wrong side.** May cause fires, burns, bodily injury, electric shock, etc.



Instruction

**Turn off the device before going aboard an airplane.**

Since using the device on airplanes is restricted, follow the instructions given by the respective airlines.

May interfere with the operation of electronic devices installed on the airplane because of signals.

If you commit a prohibited act while using the device on an airplane, you may be punished by law.



Instruction

**Follow the instructions given by the respective medical facility regarding the use of the device in a hospital.**

Turn off the device in areas where the use of communication devices is prohibited.

May interfere with the operation of electronic devices and electronic medical equipment because of signals.



Instruction

**If you are using electronic medical equipment, etc., contact the respective manufacturer or dealer to check whether the operation of the equipment is affected by signals.**

May interfere with the operation of electronic medical equipment, etc. because of signals.



Instruction

**Turn off the device near high-precision electronic devices or devices that use weak electronic signals.**

May interfere with the operation of electronic devices because of signals.

\* Take particular care with the following devices

Hearing aids, implanted cardiac pacemakers, implanted cardioverter-defibrillators, other electronic medical equipment, other equipment controlled by electronic signals, etc. If you use an implanted cardiac pacemaker, implanted cardioverter-defibrillator or other electronic medical equipment, contact the respective manufacturer or dealer to check whether the operation of the equipment is affected by signals.



Instruction

**If the display part is damaged, be careful of broken part and the exposed inside of the device.**

May cause burns, bodily injury, electric shock, etc. if you touch the broken or exposed parts.



Instruction

**If the substance inside the internal battery leaks, or the internal battery emits an unusual odor, immediately stop using the device and move it away from any naked flames or fire.**

The battery fluid is flammable and could ignite, causing a fire, explosion, etc.



Instruction

**Do not allow a pet, etc. to bite the device.**

May cause fires, burns, bodily injury, etc. because of damage of the internal battery.



## Caution



Don't

**If the display is broken and the internal substance then leaks, do not get it on your skin (face, hands, etc.), clothes, etc.**

May result in damage to your eyes, skin, etc. If the internal substance comes into contact with your eyes, mouth, skin or clothes, etc. immediately rinse the contacted area with clean water.

Also, if it comes into contact with your eyes or mouth, etc. seek medical treatment immediately after rinsing the contacted area.



Don't

**Do not dispose of the device in ordinary garbage.**

May cause fires, burns, bodily injury, etc. It may also cause damage to the environment. Take the unnecessary device to a sales outlet such as a Shop or follow the instructions by a local institution that handles used devices.



Don't

**If the substance inside the internal battery leaks, do not get the liquid on your skin (face, hands, etc.), clothes, etc.**

May result in damage to your eyes, skin, etc. If the internal substance comes into contact with your eyes, mouth, skin or clothes, etc. immediately rinse the contacted area with clean water.

Also, if it comes into contact with your eyes or mouth, etc. seek medical treatment immediately after rinsing the contacted area.



Instruction

**When removing the UIM card, be careful with the tip of the SIM eject tool or paper clip not to injure any part of your body such as fingers.**

May cause bodily injury, etc. if you touch the tip of the SIM eject tool or paper clip.



Instruction

**If you use the device in a vehicle, contact the vehicle manufacturer or dealer to check whether the operation of the vehicle is affected by signals.**

May interfere with the operation of electronic equipment because of signals in some vehicle models. In this case, stop using the device.



Instruction

**If any trouble on your skin occurs due to using the device, immediately stop using it and seek medical treatment.**

Use of the device may cause itching, rashes, eczema, etc. depending on your constitution or health condition. Refer to the following for details on materials of each part.

☞ P.10 "Material list"



Instruction

**Look at the display in a well-lit place, keeping a certain distance.**

Eyesight may be weakened, etc. if you look at in a dark place or closely.

## Handling adapters



### Warning



Don't

**Do not use if the cord of the adapter is damaged.**

May cause fires, burns, electric shock, etc.



Don't

**The DC adapter should only be used in negative grounded vehicles. Never use it in positive grounded vehicles.**

May cause fires, burns, electric shock, etc.



Don't

**Do not touch adapters if you hear thunder.**

May cause electric shock, etc.



Don't

**Do not short-circuit the charger terminal when connected to an outlet or accessory socket. Also, do not allow any part of your body (hands, fingers, etc.) to come into contact with the charger terminal.**

May cause fires, burns, electric shock, etc.



Don't

**Do not place heavy objects on the cord of the adapter or apply excessive force on it such as pulling it.**

May cause fires, burns, electric shock, etc.



Don't

**When plugging/unplugging an AC adapter into/from the outlet, do not allow metallic objects to come into contact with the prongs of the plug.**

May cause fires, burns, electric shock, etc.



Don't

**Do not connect the voltage converter for overseas travel (travel converter) to the AC adapter.**

May catch fire, or cause overheat, electric shock, etc.



Don't

**Do not apply excessive force on the connection part with the adapter connected to the device**

May cause fires, burns, bodily injury, electric shock, etc.



No wet hands

**Do not handle the cord, charger terminal or power plug of the adapter with wet hands.**

May cause fires, burns, electric shock, etc.



Instruction

**Always use the specified power supply and voltage.**

**When using overseas, use the AC adapter that is available overseas.**

Using the incorrect power supply and voltage may cause fires, burns, electric shock, etc.  
AC adapter: 100V AC (Connect only with a household AC outlet)

AC adapter available overseas: 100 to 240V AC (Connect only with a household AC outlet)

DC adapter: 12/24V DC (for negative grounded vehicles only)



Instruction

**If you replace the fuse in the DC adapter, always replace it with a specified fuse.**

May cause fires, burns, electric shock, etc. if you use the fuse other than specified one. Refer to the respective manuals for information on specified fuses.



Instruction

**Wipe off any dust on the power plug.**

May cause fires, burns, electric shock, etc. if you use the power plug with dust adhering.



Instruction

**Fully plug the adapter into the outlet or accessory socket.**

May cause fires, burns, electric shock, etc. if you do not insert it securely.



Instruction

**Always grasp the adapters when unplugging the power plug from the outlet or accessory socket. Do not apply excessive force on it such as pulling the cord of the adapter.**

May cause fires, burns, electric shock, etc. since the cord of the adapter is damaged by pulling it.



Instruction

**When plugging/unplugging an adapter into/from the device, plug/unplug it straightly toward the terminal to connect, not applying excessive force on it such as pulling the cord.**

May cause fires, burns, electric shock, etc. if you do not plug/unplug it correctly.



Instruction

**If the charger terminal is deformed such as bending it, immediately stop using. Also, do not use the deformed one by returning it to the original shape.**

May cause fires, burns, bodily injury, electric shock, etc. because of short circuit of it.



Unplug

**Unplug the power plug from the outlet or accessory socket when not using.**

May cause fires, burns, electric shock, etc. if you leave the power plug with it plugged into the outlet or accessory socket.



Unplug

**If water or other liquids (drinking water, sweat, seawater, pet urine, etc.) are attached on equipment, immediately remove the power plug from the outlet or accessory socket.**

May cause fires, burns, electric shock, etc. because of short circuit by the adhered object.



Unplug

**Always unplug the power plug from the outlet or accessory socket before cleaning the equipment.**

May cause fires, burns, electric shock, etc. if you do not unplug it.

## Caution



Don't

**Do not touch the adapter continuously when connected to an outlet or accessory socket.**

May cause burns, etc.

## Handling UIM card

### Caution



Instruction

**Be careful with the cutting surface not to injure any part of your body such as fingers when handling the UIM card.**

May cause bodily injury, etc. because the cutting surface may be sharp.

## Handling near electronic medical equipment

### Warning



Instruction

**If you have electronic medical equipment such as an implanted cardiac pacemaker or an implanted cardioverter-defibrillator, always carry or use your device at least 15 cm away from your implant.**

Electromagnetic signals may have harmful effects on the operation of the electronic medical equipment.



Instruction

**Patients receiving medical treatment away from a medical facility (e.g. home treatment) who are using electronic medical equipment other than implanted cardiac pacemakers or implanted cardioverter-defibrillators should consult the respective manufacturers, etc. for information regarding the effects of signals on the equipment.**

Electromagnetic signals may have harmful effects on the operation of the electronic medical equipment.



Instruction

If there is any chance that the distance between the device and a person closest to you may get shorter than 15 cm such as when you cannot freely move around, set the device not to emit radio wave in advance (by turning the power off, etc.).

Somebody nearby may be equipped with electronic medical equipment such as an implanted cardiac pacemaker or an implanted cardioverter-defibrillator. Electromagnetic signals may have harmful effects on the operation of the electronic medical equipment.



Instruction

Follow the instructions given by the respective medical facilities regarding the use of the device on their premises.

Electromagnetic signals may have harmful effects on the operation of the electronic medical equipment.

## Material list

### Device

Part	Material/Surface treatment
●●●●	●●●●
●●●●	●●●●
●●●●	●●●●
●●●●	●●●●
●●●●	●●●●
●●●●	●●●●
●●●●	●●●●
●●●●	●●●●
●●●●	●●●●
●●●●	●●●●

### SIM eject tool

Part	Material/Surface treatment
●●●●	●●●●

### Handling the sample (SIM eject tool)



## Warning

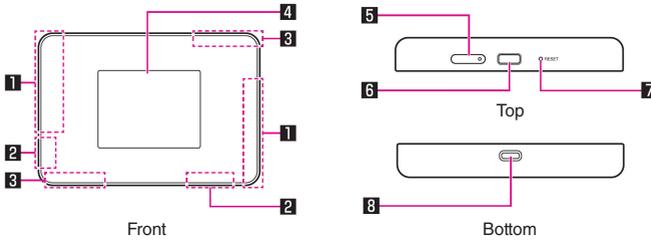


Don't

The tip of the SIM eject tool is sharp. Do not use it pointing at yourself or others. May cause bodily injury, loss of eyesight, etc.

## Part names and functions

### ■ Device



**1** 5G/LTE/FOMA Antenna

**2** Wi-Fi Antenna

**3** 5G/LTE Antenna

**4** Display/Touch panel

- For details on operation of the touch panel [☞ P.23 "Using the touch panel"](#)

**5** UIM card tray

- For details on UIM card [☞ P.15 "UIM card"](#)

**6**  Power key

- Used to turn the power on/off and turn the screen on/off [P.21 "Turning power on/off"](#).

**7** Reset button

- The device settings can be restored to the factory default settings by pressing this button with the SIM eject tool (sample) when the power to the device is on.
- The device settings can also be restored to the factory default settings using operations from the setting tool ([☞ P.58 "Restore Default"](#)).

**8** USB Type-C connection jack

- Use to charge the device, etc. [☞ P.18 "Charging"](#), [P.48 "Connecting and communicating over the USB cable"](#)
- For details on connection to an external device

\* Antennas are built into the main body. Covering the antenna area with your hand may influence the communication

# Charging

The internal battery is not fully charged at the time of purchase. Be sure to charge the battery before use.

## ■ Cautions while charging

- For details on the estimated charge time and battery life when fully charged (P.77 “Main specifications”
- The battery can also be charged with the device turned on (While charging, the battery icon appears with  superimposed).
- Do not charge for a long time with the power left turned on. If the device is left turned on after charging is complete, the internal battery charge level decreases.  
In this case, an AC or DC adapter (sold separately), provided with this product charges the battery again. However, depending on the time when the device is disconnected from the AC adapter, DC adapter the battery charge level may be low or the battery may only be usable for a short time.
- If the device is left for a long time even after the charging is completed, the battery level may decrease.
- If the battery empty alert is displayed and the power cannot be turned on, charge the battery for a while.
- Frequently recharging the battery when its power is still remaining enough may shorten the usable life of the internal battery. It is recommended to use the battery to a certain level (e.g. after the battery level decreases) before recharging.
- When the battery becomes warm, charging may automatically stop even if the battery has not been fully charged. Charging automatically resumes after the temperature lowers to an appropriate temperature.

## ■ Internal battery usable life

- The internal battery is a consumable product. Battery life per charge is gradually reduced every time the battery is charged.
- When battery life per charge is reduced to approximately half of the default time, this means that the internal battery is approaching the end of its usable life. In this case, it is recommended to replace the battery as soon as possible. For details on replacing the internal battery, contact the number listed in “Repairs” (in Japanese only) on the last page or a repair counter that specifies.

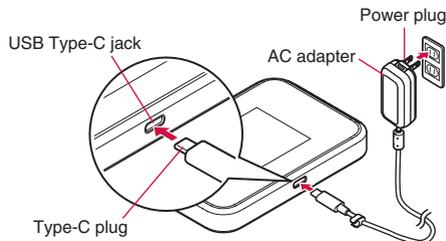


## Charging with AC adapter

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When charging the battery with AC Adapter (sold separately), operate the following steps.

- 1 Insert the Type-C plug of the AC adapter horizontally into the USB Type-C connection jack on the device
- 2 Erect the AC adapter power plug and insert it into an outlet



- 3 When charging is complete, pull the AC adapter power plug from the outlet and remove the Type-C plug horizontally from the USB Type-C connection jack

- Refer to user's guide of AC Adapter.
- AC Adapter covers from 100 to 240V AC.
- The shape of the plug for the AC adapter is for 100V AC (for domestic use).  
To use the AC adapter of 100 to 240V AC overseas, a conversion plug adapter applicable to your country of stay is required. Do not use a voltage converter for overseas travel to charge the battery.
- Note that inserting or removing the equipment forcibly may cause damage to the USB Type-C connection jack and the Type-C plug or result in a malfunction.

## Charging with DC adapter

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**DC Adapter (sold separately) supplies the power for charging from a car accessory socket (12 and 24V). USB cable A to C (sold separately) is required to use DC Adapter. For details, refer to user's guide of DC Adapter and USB cable A to C.**

- The DC adapter should only be used in negative grounded vehicles (12 and 24V DC).
- Do not use with the car engine shut off. May drain the car battery.
- The DC adapter fuse is a consumable product. For replacement, purchase a new fuse at a nearest auto parts retailer, etc.

## Charging the device over a PC connection

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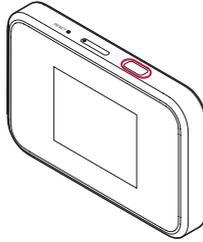
**You can charge the device by connecting the device to a PC with USB cable A to C (sold separately), etc.**

- For details on connecting to a PC or other device  P.48 "Connecting and communicating over the USB cable"

## Turning power on/off

### ■ Turning power on

- 1 ○ (power key) (for at least 2 seconds)



### ■ Turning power off/restarting

- 1 ○ (power key) (for at least 2 seconds)
- 2 [Power off]/[Reboot]

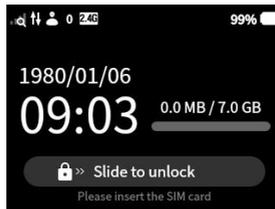
### ■ Turning display on/off

The display is turned off when ○ (power key) is pressed or the device is not in use for a set length of time. Press ○ (power key) while the display is turned off to turn it on.

### ■ Touch panel lock

When the power or the display is turned on, the touch panel is locked.

Slide [ ] up to unlock.

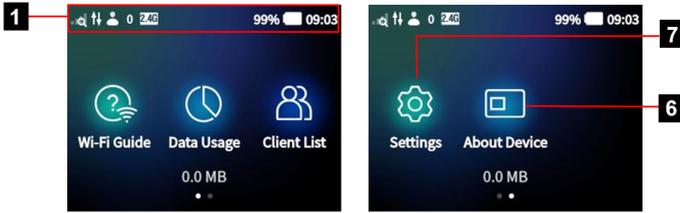


## Changing screen display to English

- 1 In the home screen, [設定] (Settings) ▶ [Language Setting] ▶ [English]

# Screen layout

## ■ Home screen



### 1 Status icon displaying area

- [Signal strength icon] to [Signal strength icon]: Signal status level (five steps)
  - The [Signal strength icon] is displayed in white during data receiving and [Signal strength icon] is displayed in white during data sending.
  - When 4G (LTE)/3G can be used, [4G+]/[3G] is displayed on the right side of the signal mark. When there is no service, [OUT] is displayed on the right side of the signal mark.
  - While connecting to LTE, [4G+] is displayed all the time.
  - A small [R] is displayed at the upper left of the signal mark during international roaming.

- [Battery icon] to [Battery icon]: Battery level
  - The percentage is displayed on the left side of the remaining battery level icon.
  - While charging, the battery icon appears with [Charging icon] superimposed.

### 6 About Device

- You can check the information about the device.

### 7 Settings (P.62 “Settings”)

- You can make settings for each of the device functions.
- The displayed data usage is an approximation. You can check the actual data usage.
- Depending on the usage environment and connected Wi-Fi devices, it may take time until these are connected, and data communication is enabled.

## Using the touch panel

The operations to use the display (touch panel) are described below.

- Operations may differ depending on the function and screen in use.

### Cautions when using the touch panel

- The touch panel is designed to be lightly touched with your finger. Do not forcefully press with your finger or a pointed object (fingernail, ballpoint pen, pin, etc.).
- In the following cases, the touch panel may not work even if you touch it. May cause a malfunction.
  - Operation with a gloved finger
  - Operation with the tip of a fingernail
  - Operation with foreign object placed on the operation pad
  - Operation on the touch panel on which a protective sheet, sticker, etc. is put
  - Operation while the touch panel is wet
  - Operation with fingers wet with sweat, water, etc.

### ■ Touch

Touch a key or an item displayed on the screen and then release your finger from it to select or set it.



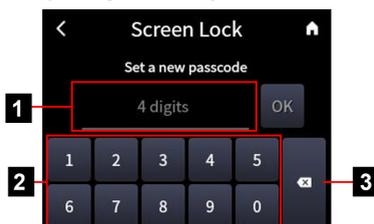
### ■ Slide (Swipe)

Move your finger while keeping it on the touch panel to scroll the screen.



## Entering numbers

The number keyboard is displayed depending on the entry field.



### 1 Entry field

- A character can be entered at the position of the cursor.
- "★" may be displayed when a password or other secret information is entered.

### 2 Keyboard

- The keyboard for entering characters.

### 3 Delete key

- Delete the character to left side of the cursor.

## Connecting and communicating over the USB cable

You can directly connect the device to a PC with USB cable A to C (sold separately) for data communications.

### ■ Connecting the device to a PC

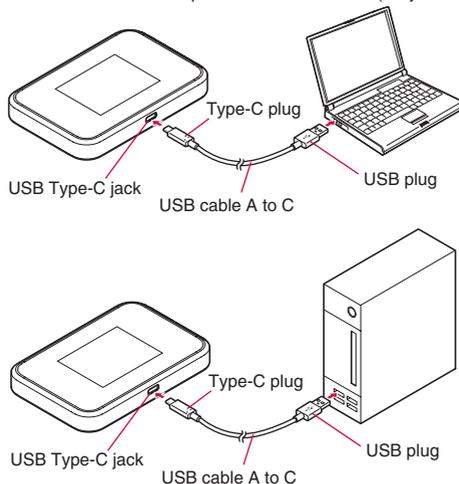
#### 1 (power key) (for at least 2 seconds)

- The device power will turn on. Wi-Fi will be turned on and  will be displayed. The device will automatically connect to the Internet with the default settings.  will be displayed if the device successfully connects to the Internet.

#### 2 Plug the Type-C plug on USB cable A to C horizontally into the USB Type-C connection jack on the device into which a UIM card has been inserted

#### 3 Connect the USB plug of USB cable A to C into a USB jack on the PC

- If the device was successfully connected to the PC, the USB connection function will start and the PC will automatically connect to the Internet. Note that packet communications (subject to billing) will occur.



### ■ Disconnecting the device from the PC

Confirm that data communications have ended, and then disconnect the device.

#### 1 Disconnect USB cable A to C horizontally from the device and the PC

- If USB cable A to C is disconnected from the PC during data communications, data communications will be interrupted which may cause a malfunction or loss of data.
- The device may not operate correctly if the PC goes into standby (suspend/resume/sleep) or hibernation while the device is connected. Always disconnect the device before putting the PC into standby or hibernation.
- The device may not operate correctly if the PC is restarted or the power is turned on while the device is connected. Disconnect the device before starting the PC.

## Specific Absorption Rate (SAR) of Mobile Terminals

**This device complies with Japanese technical regulations and international guidelines regarding exposure to radio waves.**

This device was designed in observance of Japanese technical regulations regarding exposure to radio waves (\*1) and limits to exposure to radio waves recommended by a set of equivalent international guidelines. This set of international guidelines was set out by the International Commission on Non-Ionizing Radiation Protection (ICNIRP), which is in collaboration with the World Health Organization (WHO), and the permissible limits include a substantial safety margin designed to assure the safety of all persons, regardless of age and health condition.

The technical regulations and international guidelines set out limits for radio waves as the Specific Absorption Rate, or SAR, which is the value of absorbed energy in any 10 grams of tissue over a 6-minute period. The SAR limit for mobile terminals is 2.0 W/kg. The highest SAR value for this device when tested for intended use described in the instruction manual is 1.854 W/kg (\*2). There may be slight differences between the SAR levels for each product, but they all satisfy the limit.

The actual SAR of this device while operating can be well below that indicated above. This is due to automatic changes to the power level of the device to ensure it only uses the minimum required to reach the network. Therefore in general, the closer you are to a base station, the lower the power output of the device.

During communication, please keep the device farther than 1.5 cm away from your body by using such as a carrying case or a wearable accessory without including any metals. This device satisfies the technical regulations and international guidelines.

The World Health Organization has stated that "a large number of studies have been performed over the last two decades to assess whether mobile devices pose a potential health risk. To date, no adverse health effects have been established as being caused by mobile device use."

Please refer to the WHO website if you would like more detailed information.

<https://www.who.int/peh-emf/publications/factsheets/en/>

Please refer to the websites listed below if you would like more detailed information regarding SAR.

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Ministry of Internal Affairs and Communications Website:

<https://www.tele.soumu.go.jp/e/sys/ele/index.htm>

Association of Radio Industries and Businesses Website:

<https://www.arib-emf.org/01denpa/denpa02-02.html> (in Japanese only)

SHARP Corporation Website:

<http://k-tai.sharp.co.jp/support/sar/> (in Japanese only)

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\*1 Technical regulations are defined by the Ministerial Ordinance Related to Radio Law (Article 14-2 of Radio Equipment Regulations).

\*2 Including other radio systems that can be simultaneously used with LTE.

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### 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 W/kg and the highest SAR value for this device when tested for intended use described in the instruction manual is 1.466 W/kg\*.

During communication for body-worn operation, this mobile device has been tested and meets the RF exposure guidelines when used with an accessory containing no metal and positioning the device a minimum of 5 mm from the body. Use of other accessories may not ensure compliance with RF exposure guidelines.

As SAR is measured utilizing the devices highest transmitting power the actual SAR of this device while operating is typically below that indicated above. This is due to automatic changes to the power level of the device to ensure it only uses the minimum level required to reach the network.

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\* The tests are carried out in accordance with international guidelines for testing.

## Regulatory information

Hereby, SHARP CORPORATION declares that the radio equipment type **\*\*-\*\*\*** 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

WCDMA FDD I	Tx 1922.4 to 1977.6 MHz Rx 2112.4 to 2167.6 MHz
WCDMA FDD VIII	Tx 882.4 to 912.6 MHz Rx 927.4 to 957.6 MHz
LTE Band 1	Tx 1922.5 to 1977.5 MHz Rx 2112.5 to 2167.5 MHz
LTE Band 3	Tx 1710.7 to 1784.3 MHz Rx 1805.7 to 1879.3 MHz
LTE Band 7	Tx 2502.5 to 2567.5 MHz Rx 2622.5 to 2687.5 MHz
LTE Band 8	Tx 880.7 to 914.3 MHz Rx 925.7 to 959.3 MHz
LTE Band 28	Tx 704.5 to 746.5 MHz Rx 759.5 to 801.5 MHz
LTE Band 38	Tx 2572.5 to 2617.5 MHz Rx 2572.5 to 2617.5 MHz
LTE Band 40	Tx/Rx 2302.5 to 2397.5MHz
WLAN 2.4GHz	Tx/Rx 2412 to 2472 MHz (BW:20MHz) Tx/Rx 2422 to 2462 MHz (BW:40MHz)

### ● Maximum transmit power

WCDMA FDD I	+24 dBm (Power Class3)
WCDMA FDD VIII	+24 dBm (Power Class3)
LTE Band 1	+23 dBm (Power Class3)
LTE Band 3	+23 dBm (Power Class3)
LTE Band 7	+23 dBm (Power Class3)
LTE Band 8	+23 dBm (Power Class3)
LTE Band 28	+23 dBm (Power Class3)
LTE Band 38	+23 dBm (Power Class3)
LTE Band 40	+23 dBm (Power Class3)
WLAN 2.4 GHz	+17.5 dBm (ANT0+ANT1)

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### **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.

### **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.

### **FCC RF Exposure Information**

Your device 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 organizations 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 devices 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 device when tested for intended use described in the instruction manual is 1.082 W/kg.

For body worn operation, this device has been tested and meets the FCC RF exposure guidelines. During communication, please use an accessory designated for this product or an accessory which contains no metal and which positions the device a minimum of 1.0 cm from the body.

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 device with all reported SAR levels evaluated as in compliance with the FCC RF emission guidelines. SAR information on this model device is on file with the FCC and can be found under the Display Grant section of <https://www.fcc.gov/oet/ea/fccid> on FCC ID APYHRO00337.

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 in the About Device menu.

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## **Notes**

This device has two modes, the mobile mode and the stationary mode.

The stationary mode is on the premise of leaving the device and the device may become warm during operation. Do not carry it in your hand, use it while carrying, etc.

## Export administration regulations

The Japan Export Administration Regulations (“Foreign Exchange and Foreign Trade Act” and its related laws) may be applied to this product and its accessories under certain conditions. The Export Administration Regulations may also be applied. To export or reexport the device and its accessories, conduct all legally required procedures at your own risk and expense. For details on the procedures, contact the Ministry of Economy, Trade and Industry or the US Department of Commerce.

## Intellectual property right

### Copyrights and rights of portrait

- Data with third party copyrights such as images that are received using this product cannot be duplicated, altered or publicly transmitted without rightful party's consent. Only duplicating, quoting, etc. for personal use are permitted under the Copyright Act.

Even if for personal use, filming and recording may be prohibited for stage performances, shows, exhibitions, etc. Also, posting the image of another person received using this product on Internet websites without his/her consent may constitute a violation of one's right to his/her image.

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- Mac, macOS, iPad, iPhone, iPod touch and Safari are trademarks or registered trademarks of Apple Inc. in the US and other countries.
- The trademark “iPhone” is used with a license from AIPHONE CO., LTD.
- iOS is a trademark or registered trademark of Cisco in the U.S. and other countries and is used under license.
- Nintendo Switch and Nintendo 3DS are trademarks of Nintendo Co., Ltd.
- QR code is a registered trademark of Denso Wave Inc.
- USB Type-C™ is a trademark of USB Implementers Forum.
- Wi-Fi®, Wi-Fi Protected Access® (WPA), WPA2™, Wi-Fi Protected Setup™ and Wi-Fi Protected Setup logo are trademarks or registered trademarks of Wi-Fi Alliance.
- Google, Android and Google Chrome are trademarks of Google LLC.
- All other company names and product names are trademarks or registered trademarks of the respective companies.

### Others

- The abbreviations of operating systems (Japanese versions) below are used in this manual.
  - Windows 10 stands for Microsoft® Windows® 10 (Home, Pro, Enterprise and Education).
  - Windows 8.1 stands for Microsoft® Windows® 8.1, Microsoft® Windows® 8.1 Pro and Microsoft® Windows® 8.1 Enterprise.

## • Unlocking SIM lock

**The device can unlock the SIM lock. Unlock the SIM lock to use other SIM cards.**

- Some services, functions, etc. may be unavailable. We shall not guarantee any operation of the device.
- For details on the procedure of unlocking SIM lock, refer to our website.
- Visit a shop to unlock the SIM lock in this device.
- A number of days may be required to unlock the SIM lock.