

au

Galaxy S9+

SCV39

Basic Manual

Introduction

Preface

Thank you for purchasing the Galaxy S9+ (referred to as the "product" in this manual).
Before using the product, be sure to read the "Setting Guide" and "Basic Manual" (this manual) to ensure correct usage.

List of Packaged Items

Before you start using the product, make sure that you have all the following packaged with the product.



Main unit



SC TV Antenna Cable O4
(O4SCHSA)



SIM card removal tool (sample)

- * Use to insert/eject the au Nano IC Card O4 and microSD memory card.
- AKG Tuning High-quality Earphone with Microphone (sample)
- Clear case (sample)
- Sample for data transfer (Micro USB cable (sample) and USB conversion adapter for OTG (sample))
- 取扱説明書 (Instruction Manual) (Japanese)
- 設定ガイド (Setting Guide) (Japanese)

- データ移行用試供品取扱説明書
(Sample for data transfer Manual) (Japanese)
The following items are not included in the package.

- microSD memory card
- AC adapter
- USB Type-C cable



memo

- Please purchase a specified charger (sold separately).
- The battery is built into the product.
- Illustrations used in this manual are just images for explanations.
They may be different from actual ones.

Instruction Manuals

■ "Setting Guide" "Basic Manual"

Handles only basic operations of major functions of the product.

■ "取扱説明書(詳細版)(Full Instruction Manual)" (Japanese)

For detailed descriptions on various functions, refer to the "取扱説明書(詳細版)(Full Instruction Manual)" (Japanese) available on the au homepage.

<https://www.au.com/support/service/mobile/guide/manual/>

■ "オンラインマニュアル(Online Manual)" (Japanese)

For detailed descriptions on various functions, use the "オンラインマニュアル(Online Manual)" (Japanese) on the your product with the following operations.

On the Applications screen, [Galaxy] → [取扱説明書(Online Manual)]



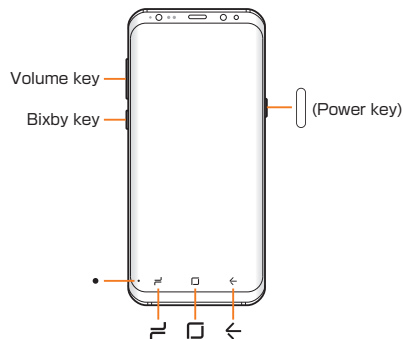
In addition, you can also refer to "オンラインマニュアル(Online Manual)" (Japanese) available on the au homepage.

<https://www.au.com/online-manual/scv39/> (in Japanese only)

Illustrations and Descriptions in this Manual

■ Note on key/button illustrations

In this manual, the key/button illustrations are simplified as shown below.



■ Description of operations for selecting item/icon/button, etc.

In this manual, operation steps are described as follows.

Description	Explanation
On the Applications screen, [Settings] → [General management]	On the home screen, flick up or flick down, then tap "Settings" on the screen is displayed and tap "General management".

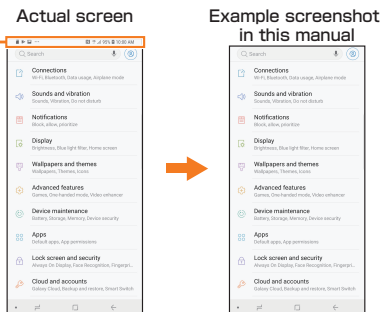
- Tapping is lightly touching a button or icon displayed on the screen with your finger.

Note on Screenshots

This manual uses screenshots and describes operations with the au Nano IC Card O4 inserted.

The illustrations and screenshots used in this manual are simplified and may look different from the actual screens. Note that in some cases, a part of a screen may be omitted.

Icons and the like at the top of the screen are omitted for descriptions in this manual.



- In this manual, screenshots for body color "Midnight Black" are provided as examples.
- Descriptions in this manual are based on the operations of portrait screen. Menu items/icons/buttons on the screen may be different from the ones in the horizontal display.
- In this manual, "au Nano IC Card O4" is listed as "au IC card".
- In this manual, "microSD™ memory card (commercial item)", "microSDHC™ memory card (commercial item)" or "microSDXC™ memory card (commercial item)" is called "microSD memory card" or "microSD" for short.
- This manual is described with the content of Android 8.0. For the latest information, please refer to the online manual or the "取扱説明書(詳細版)(Full Instruction Manual)" (Japanese) available on the au homepage.
(<https://www.au.com/support/service/mobile/guide/manual/> (in Japanese only))
- All of the indicated amounts exclude tax unless otherwise specified.
- Company names and product names referred to in this manual are trademarks or registered trademarks of respective companies. The TM and ® marks may be omitted in this manual.

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Notes on Usage

For Using the Product

Before you start using the product, be sure to read the "Safety Precautions" to ensure correct use.

- Before you assume that the product is malfunctioning, perform "トラブル診断 (Troubleshooting diagnosis)".
On the Applications screen, [auツール/サポート (au tool/support)] → [故障紛失サポート (Repair and Delivery Service)] → [トラブル診断 (Troubleshooting diagnosis)] (in Japanese only)
Alternatively, check for possible remedies in "トラブル診断 (Troubleshooting diagnosis)" on the au website.
<https://www.au.com/trouble-check/> (in Japanese only)
- Communication is not possible even inside the service area in places where the signal does not reach (e.g. tunnels and basements). Also, communication is sometimes not possible in poor reception areas. Communication is sometimes interrupted if you move into a poor reception areas during communications.
- Since this product uses radio waves, the possibility of communication intercepts by third parties cannot be eliminated. (Though LTE/WiMAX 2+/GSM/UMTS system has highly secure confidential communication features.)
- Use au's VoLTE (LTE network) to connect to Japanese emergency services. You cannot use 3G (call switching network) to connect to emergency services.
- While this product supports the au World Service, each network service described in this manual varies depending on the area and service content.
- Since this product is a radio station under the Radio Law, you may be asked to temporarily submit the product for inspection in accordance with the Radio Law.
- The IMEI information of your cell phone is automatically sent to KDDI CORPORATION for maintenance and monitoring operational status of your cell phone.

- To use it overseas, check the condition such as regulations of the country/region.
- The Company is not liable for any damages arising from earthquakes, lightning, storms, floods or other natural disasters, as well as fires, actions by third parties, other accidents, intentional or mistaken misoperation by the customer, or use under other unusual conditions outside the responsibility of the Company.
- The Company is not liable for any incidental damages (change/disappearance of saved content, loss of business income, disruption of business, etc.) arising from use of or inability to use the product.
- The Company is not liable for any damages arising from failure to observe the described content of Basic Manual (this manual).
- The Company is not liable for any damages arising, for example, from malfunction caused by combination with connected devices or software not related to the Company.
- Captured image data or downloaded data may sometimes be altered or lost due to faults, repair or other handling of the product. The Company is not liable for any damage or lost income resulting from recovery of these data.
- It is recommended you keep a copy of important data on your PC's hard disk, etc. Whatever the cause of the defect or malfunction may be, the Company assumes no responsibility for alteration or loss of saved data.
- Contents saved in the product, such as contacts, mails and favorites, might be altered or lost in accident, fault, repair or mishandling. Be sure to keep a copy of important contents. Note that the Company assumes no responsibility for any damages or lost profits resulting from altered or lost contents.




- Note that content data (both charged or free content) saved with the product cannot be returned to the customer when the product is replaced for repair of a fault, for example.
 - Although the display used by this product is made using high precision technology, some pixels (dots) might not light or are lit at all times. Please note that this is not a fault.
 - If an image is displayed for a long time, an afterimage may occur but this is not a fault. To prevent afterimage and to conserve power, you are recommended to set the screen timeout time to a short time.
 - You are recommended to store copies of individual data such as photos you took, videos and music on your PC by sending each file as mail attachment, etc. Note, however, that you may not be able to make copies of any copyrighted data even by the above mentioned means.
 - Do not discard this product together with regular trash. Please cooperate in the collection of the product (including optional accessories) when it is no longer needed to protect the environment and effectively use resources. Old product are collected at au shops and other places.
- * "The Company" as appears in this manual refers to the following companies:
 Sold by: KDDI CORPORATION, OKINAWA CELLULAR TELEPHONE COMPANY
 Imported by: SAMSUNG ELECTRONICS JAPAN Co., Ltd.
 Manufactured by: Samsung Electronics Co., Ltd.

■ Notice

- Reproduction of the content of this manual in part or in whole is prohibited.
- The content of this manual is subject to change without notice.
- Some functions may not be available due to change OS specification/the service or terminate the service. etc.
- Every effort has been made in the preparation of this manual. Should you notice any unclear points, omissions, etc., feel free to contact us.







Safety Precautions (Observe Strictly)

- Before using this product, read the precautions below to ensure safe use and handling.
- These precautions are intended to protect you and others around you. Read and follow them carefully to avoid injury, damage to the product or damage to property.
- The signs below differentiate between the levels of danger that can occur if the product is not used within the specified guidelines.

 Danger	This sign denotes that death or serious injury ⁽¹⁾ may directly result from improper use.
 Warning	This sign denotes that death or serious injury ⁽¹⁾ may result from improper use.
 Caution	This sign denotes that minor injury ⁽²⁾ or property damage ⁽³⁾ to property may result from improper use.


- *1 Serious injury: Loss of sight, injuries, burns (high/low temperature), electric shocks, bone fracture, poisoning, etc. with subsequent complications and/or those that require hospitalization or prolonged hospital visits.
- *2 Minor injury: Injuries, burns (high/low temperature), electric shocks, etc. that do not require hospitalization or prolonged hospital visits.
- *3 Property damage: Severe damage to property or live stock/pets.


■ Explanation of Prohibition and Mandatory graphical symbols used in this manual


 Don't	Indicates an action that is not allowed.
 No disassembly	Indicates that disassembly is not allowed.
 No liquids	Indicates that use in a place where the product is likely to get wet or allowing the product to get wet is not allowed.
 No wet hands	Indicates that handling with wet hands is not allowed.
 Do	Indicates an action that must be obeyed at all times.
 Unplug	Indicates that the power plug must be disconnected from the power outlet.


■ Precautions common to the product main unit, internal battery, charging equipment, au IC card, peripheral devices


Danger

- 
Don't
- Do not use, store, or leave the equipment in a place subject to high temperature or in places where heat builds up (such as close to fires or heating devices, inside kotatsu or inside of bedding, under direct sunlight, or in a car on an extremely hot day).**
May cause fire, burns, injuries or electric shocks, etc.

- 
Don't
- Do not put the equipment into heating cooking device such as microwave oven, IH cooker or high-pressure container such as pressure cooker.**
May cause fire, burns, injuries or electric shocks, etc.

- 
Don't
- Do not pour sand, soil or mud on the product or place the product directly on sand, soil or mud. Avoid touching the product with a hand covered with sand, etc.**
May cause fire, burns, injuries, electric shocks, etc.
For waterproofness/dustproofness, refer to the following:
▶P.25 "Precautions for Waterproofness/Dustproofness"

- 
Don't
- Do not charge the product if it is wet with liquid such as drinking water, sweat, seawater, pet urine, etc. Also, do not charge the product in a place exposed to water such as bathroom.**
May cause fire, burns, injuries, electric shocks, etc.
For waterproofness, refer to the following:
▶P.25 "Precautions for Waterproofness/Dustproofness"

- 
Don't
- Do not subject the product to strong pressure or break the product. Especially when bringing the product putting in a pocket of clothes, do not let the product hit against surroundings or being put between the objects.**
Doing so may cause fire, burns, or injuries due to battery damage.
* Examples to avoid
- Sitting or squatting with the product put in a pocket of trousers or skirt
 - Putting the product in a pocket of outer wear and catching them in a door or a door of a car
 - Stepping on the product on a soft object such as a sofa, bed, or bedding, or on a floor



Do not remove the internal battery in this product.
May cause fire, burns or injuries, etc.



No disassembly

Do not attempt to disassemble or modify the equipment.
May cause fire, burns, injuries or electric shocks, etc.



No liquids

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

May cause fire, burns, injuries or electric shocks, etc.

For waterproofness, refer to the following:

▶P.25 "Precautions for Waterproofness/Dustproofness"



No liquids

Do not put water (drinking water, sweat, seawater, pet urine, etc.) into the headset connection terminal or the external connection terminal.

May cause fire, burns, injuries or electric shocks, etc.

For waterproofness, refer to the following:

▶P.25 "Precautions for Waterproofness/Dustproofness"



Do

Use the optional equipment specified by au for the product.

Not doing so may cause fire, burns, injuries or electric shocks, etc.

Warning



Don't

Do not subject the equipment to strong forces, impacts or vibration such as being dropped, being stepped on, or being thrown, etc.

May cause fire, burns, injuries or electric shocks, etc.



Don't

Keep conductive materials (metal pieces, pencil lead, etc.) from coming in contact with the headset connection terminal or the external connection terminal, and keep dust from getting inside of them.

May cause fire, burns, injuries or electric shocks, etc.



Don't

Do not cover or wrap the product with bedding, etc. while using or charging the product.

May cause fire or burns, etc.



Don't

Do not stick metallic items (such as stickers that contain metal) on the front of the wireless charger (sold separately) or this product.

May cause fire, burns or injuries, etc.



Don't

Do not place metallic items (such as straps and clips that contain metal) between the wireless charger (sold separately) and this product.

May cause fire, burns or injuries, etc.



Do

When charging with the wireless charger (sold separately), remove the cover etc. with which the product is equipped.

Failure to charge arising from material and thickness of the cover or foreign objects such as dust caught between the product and the cover may cause fire, burns or injuries, etc.



Do

Turn the product OFF near high-precision electronic control equipment or electronic equipment using low-power signals.

Failure to do so may cause the equipment to fail or malfunction.

* Examples of electronic equipment to avoid
Hearing aids, implanted pacemakers or defibrillators, other electronic medical equipment, fire alarms, automatic doors and other automatic control equipment. Users wearing implanted pacemakers or defibrillators or other electronic medical equipment should check with the manufacturer or sales outlet about the effect of radio wave on the equipment.



Do

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

Overcharging the battery may cause fire, burns or injuries, etc.



Do

Turn the product OFF and stop charging before entering a place such as a gas station where there is a possibility of flammable gases being generated or a place where there is a possibility of dust being generated.

Using the product where flammable gas is generated may cause explosion or fire, etc.

When using Osaifu-Keitai® at a gas station, be sure to turn off the power in advance. (If NFC/Osaifu-Keitai lock has been set, cancel the lock before turning off the power.)



Do

When anything is different from before, such as the equipment generates strange smells or strange sounds, emits smoke, produces heat, becomes discolored or deformed, etc. during use, charging or while being stored, then perform the following operations.

- Remove the power plug from the outlet or accessory socket.
- Turn the product OFF.

If the above operations are not performed, this may cause fire, burns, injuries or electric shocks, etc.

Caution



Don't

Do not use damaged equipment.
May cause fire, burns, injuries, etc.



Don't

Do not leave on unstable places such as rocky stands or tilting surfaces especially while the vibration mode set.
May fall and cause injuries, etc.



Don't

Do not store the equipment in extremely humid, dusty or hot areas.

May cause fire, burns, or electric shocks, etc.
For waterproofness/dustproofness, refer to the following:

▶P.25 "Precautions for Waterproofness/Dustproofness"



Don't

Children using the equipment should be instructed in proper operation by an adult. Make sure they use the product correctly.

May cause injuries, etc.



Don't

Store the equipment out of reach of small children.

May be accidentally swallowed, or cause injuries, electric shocks, etc.



Do

Exercise caution that the temperature of the product rises when the product is continuously being used for prolonged periods and while it is charging. In addition, be careful to not unintentionally touch it continuously if you putting it in a pocket of clothes or fall asleep, etc.

If you use apps, make calls, perform data communications, watch TV or videos, etc. while charging the battery continuously, the temperatures of the product and the specified charging equipment (sold separately) may rise. Directly touching a hot part continuously, you may have redness, itching or rash on your skin, or it may result in low-temperature burns etc. depending on your constitution and/or health condition.

■ Main unit

 **Danger**



Don't

Do not put the battery in a fire or attempt to heat it.

May cause fire, burns or injuries, etc.



Don't

Do not puncture with a sharp object (nail, etc.), strike with a hard object (hammer, etc.), stomp on, or apply excessive force on the battery.

May cause fire, burns or injuries, etc.



Don't

Keep the screen at least 20 cm away from your eyes during using iris recognition.

May cause diminished eyesight, etc.



Don't

Do not use iris recognition with infants.

Doing so may the infants diminished eyesight, etc.



Do

If the substance inside the product gets into your eyes or mouth, etc., rinse with clean water and receive medical care from a doctor immediately.

The substance inside the product may cause loss of sight or poor health, etc.



Do

Anyone who has had dizziness, seizures, loss of awareness, blackouts, or other symptoms linked to an epileptic condition, or a family history of such symptoms or conditions, should see a doctor before using the iris recognition.

Warning



Don't

Do not lighten the light near eyes. Especially, when you capture babies or infants, keep the product enough distance away from babies and infants.
Such as vision disability may result. Accident such as injuries may result from being dazzled or shocked.



Don't

Do not turn on the light and face the product to drivers.
May disturb driving and cause accident, etc.



Don't

Do not look at a flashing screen for a prolonged period.
May cause seizure or loss of consciousness, etc.



Don't

Do not put foreign objects such as liquid like drinking water, sweat, seawater or urine of the pet into au IC card/microSD memory card slot. Please do not mistake the insertion location and direction of the au IC card or microSD memory card.
May cause fire, burns, injuries or electric shocks, etc.



Don't

Do not expose the camera lens to direct sunlight, etc. for a prolonged period.
The light-gathering capabilities of the lens may cause fire, burns, injuries, etc.



Do

When boarding an airplane, turn this product OFF or turn airplane mode ON.

As there are usage restrictions in an airplane, follow the instructions from the airline.

The product's signals may adversely affect on-board electronic equipment.

If you commit any prohibited acts, such as using the phone in an airplane, you will be punished in accordance with the law.



Do

When using the product in a medical facility, follow the instructions of the facility.

Turn the product OFF in areas where use is prohibited. The product's signals may affect electronic equipment and electronic medical equipment.



Do

When you talk by setting handsfree, ringtone is sounding or during standby, keep the product away from your ear.

And, when connecting the earphone/microphone, etc. to the product and play a game, video or music, etc. adjust the volume moderately.

When using the handsfree call, loud noise sounds from the product.

Even in the standby mode, ringtone and vibrator may work suddenly.

Using continuously for a long time with too loud volume may cause a hearing loss, etc.

And, if you cannot hear the sound around you clearly, it may cause an accident.



Do

If you have weak heart, be careful when setting the vibrate ringtone (vibration) or ringtone volume setting.

Surprised by sudden vibrate ringtone (vibration) or ringtone, it may cause harmful effect on heart.



Do

When you use electronic medical equipment, check with the equipment manufacturer to determine how the equipment is affected by radio waves before using. May cause harmful effect on electronic medical equipment, etc.



Do

When the display or camera lens is accidentally broken, be careful of broken glass or exposed internal parts of the product.

Touching broken or exposed part may cause burns, injuries, electric shocks, etc.



Do

Should the internal battery leak or emit a strange odor, immediately discontinue use and move it away from fire.

The leaked fluid may catch fire and may cause ignition or explosion, etc.



Do

Take measures to prevent pets from biting on the product.

The internal battery may ignite, explode, generate heat or leak and may result in fire, burns, injuries, etc.

Caution



Don't

Do not swing the product around by holding SC TV antenna cable O4, when the product connects to SC TV antenna cable O4.

May cause injuries, etc.



Don't

If the display part is accidentally broken and internal substance leaks out, do not make the substance contact with your skin of face or hands, clothes, etc.

May cause eyes or skin problems, etc.

If the substance gets into your eyes or mouth, etc. or comes into contact with your skin or clothes, rinse with clean water immediately.

And if it gets into your eyes or mouth, etc., rinse with clean water and seek medical care immediately.



Don't

Do not dispose with regular trash.

May cause fire, burns, injuries, etc. Environmental damage may also be caused. If the product becomes no longer needed, bring it to an outlet such as the au Shop or follow the instructions given by the collecting municipalities.



Don't

Should the substance inside the internal battery leak, avoid it from coming in contact with your face, hand or clothes, etc.

May cause eyes or skin problems.

If the substance gets into your eyes or mouth, etc. or comes into contact with your skin or clothes, rinse with clean water immediately.

And if it gets into your eyes or mouth, etc., rinse with clean water and seek medical care immediately.



Don't

Be careful of the nib of the SIM card removal tool (sample) when removing an au IC card as it may damage a part of your body such as fingers.

Touching the nib of the SIM card removal tool (sample) may cause injuries, etc.



Do

To use the product in car, check with automobile manufacturer or dealer to determine how the device is affected by radio waves before using.

In rare cases, using the phone in some vehicle models can cause the vehicle's electronic equipment to malfunction. In that case, stop using the product immediately.



Do

If you develop skin problems, stop using the phone immediately, and see a doctor.

Mobile phones can give some users skin problems such as itching, allergic reactions or rashes, etc. For parts materials ►P.18 "Material list"



Do

Be sure to check that there are no metal fragments (such as cutter blades or staples) adhered to the magnetic parts used in the speaker, receiver/speaker and rear camera of this product.

Adhesion of such fragments may cause injuries, etc.



Do

When watching the display, take a certain distance from the display in a fully bright place.

Watching the display in the dark or watching too close may cause reduced visual acuity, etc.



Do

When using the handsfree call, ringtone is ringing, or in the standby mode, be sure to release this product from your ears. And, when connecting the earphone/microphone, etc. to the product and play a game, video or music, etc. adjust the volume moderately.

Using the terminal continuously at a loud volume may cause hearing loss, etc. Also, having the volume too loud may prevent you from hearing sounds around you and might in turn lead to a traffic accident.

Charging equipment

Warning



Don't

Do not use the specified charging equipment (sold separately) cable if it gets damaged.

May cause fire, burns or electric shocks, etc.



Don't

Always use the Common DC Adapter O3 (sold separately) with a negative-ground vehicle. Do not plug it into a positive-ground vehicle.

May cause fire, burns or electric shocks, etc.



Don't

If you hear thunder, do not touch the specified charging equipment (sold separately).

May cause electric shocks, etc.



Don't

Do not short the charging jack while it is connected to the outlet or accessory socket. Do not touch the charging jack with a part of your body such as your hand or finger.

May cause fire, burns or electric shocks, etc.



Don't

Do not pull or place a heavy object on the power cord of the specified charging equipment (sold separately).

May cause fire, burns or electric shocks, etc.



Don't

When you insert and remove the specified charging equipment (sold separately) from power outlet, do not contact a metal strap or other metal objects with the jack.

May cause fire, burns or electric shocks, etc.



Don't

Do not connect the voltage converter for overseas travel (travel converter) to the specified charging equipment (sold separately).

May cause ignite, heat or electric shocks, etc.



Don't

Do not apply excessive force to the product connected to the specified charging equipment (sold separately).

May cause fire, burns, injuries or electric shocks, etc.



Don't

Do not charge any parts wet with liquid such as drinking water, sweat, seawater or urine of the pet with the wireless charger (sold separately).

May cause fire, burns, injuries or electric shocks, etc.



No wet hands

Do not touch the code of the specified charging equipment (sold separately), USB cable, charging product or power plug with wet hands.

May cause fire, burns or electric shocks, etc.



Do

Only use with the specified power source and voltage.

When charging the product overseas, use the specified charging equipment (sold separately) for global use.

If incorrect power source and voltage is used, this may cause fire, burns or electric shocks, etc.

AC adapter : AC100V (Connect to the AC outlet for internal household use)

AC adapter for global use : Between 100V AC and 240V AC (Connect to an AC outlet for internal household use)

DC adapter : DC12V, 24V (specific for negative ground vehicle)



Do

If the fuse of Common DC Adapter O3 (sold separately) changes, replace it only with the specified fuse.

If fuses other than those specified are used, this may result in fire, burns, or electric shocks, etc. Confirm specified fuses via individual user's manuals.



Do

Wipe off any dust that accumulates on the power plug.

If the product is used with dust adhering to it, this may result in fire, burns, or electric shocks, etc.



Do

When you connect the specified charging equipment (sold separately) to the outlet or accessory socket, do not fail to properly connect to the outlet.

If not firmly inserted, this may result in fire, burns, or electric shocks, etc.



Do

When you disconnect the power plug from the outlet or accessory socket, do not put excessive force such as pulling the cord of the adapter with excessive force. Instead, hold the specified charging equipment (sold separately) to disconnect. If the specified charging equipment (sold separately) cord is pulled on, this may result in scratches, fire, burns, or electric shocks, etc.



Do

If you have electronic medical equipment such as an implanted cardiac pacemaker or an implanted cardioverter-defibrillator equipped, consult a doctor about the use of the wireless charger (sold separately).

The product's signals may affect the performance of electronic medical equipment.



Do

When unplugging and plugging in the specified charging equipment (sold separately) from and into the product, do not forcibly pull on the cord, etc., and straightly unplug and plug in the specified charging equipment (sold separately) from and into the connecting terminals.

If not properly unplugged or plugged in, this may cause fire, burns, injuries, electric shocks, etc.



Do

Immediately discontinue use if the connection jack is bent or deformed. Do not try to straighten and reuse a deformed connection jack.

The short of the connection jack may result in fire, burns, injuries, electric shocks, etc.



Unplug

Always remove the power plug from the outlet or accessory socket when not using the specified charging equipment (sold separately).

If the power plug is left plugged in, this may cause fire, burns, injuries, electric shocks, etc.



Unplug

Immediately remove the power plug from the outlet or accessory socket if water or other liquids (drinking water, sweat, seawater, pet urine, etc.) get into the specified charging equipment.

Adhesion of such fragments may cause fire, burns or electric shocks, etc.



Unplug

Always remove the power plug from the outlet or accessory socket when cleaning the equipment.

Cleaning while still plugged in may cause fire, burns or electric shocks.

Caution



Don't

Do not touch a specified charging equipment (sold separately) for a long time that has been connected to a power outlet or accessory socket.

May cause burns, etc.

■ au IC card

Caution



Do

Be careful not to scratch yourself (finger, etc.) with the cut section when handling au IC Card.

The cut surface may be sharp, and it may cause injuries, etc.

■ Use of this product near medical equipment and inside a medical facility

Warning



Do

Wearers of the electronic medical equipment such as implanted pacemakers or defibrillators must carry and use the product at least 15 cm away from the implanted device.

The product's signals may affect the operation of the electronic medical equipment.



Do

When electronic medical equipment other than implanted pacemakers or defibrillators are in use outside of medical facilities (such as in home care settings), check with the device manufacturer to determine how the device is affected by electrical signals.

The product's signals may affect the operation of the electronic medical equipment.



Do

When you are in a crowd etc. and you have difficulties to keep a distance of 15 cm or more from others, turn the airplane mode on or power off the product not to transmit signals.

There may be wearers of medical equipment such as implanted pacemakers or defibrillators around you. The product's signals may affect the performance of electronic medical equipment.



Do

When using the product in a medical facility, be sure to observe the regulations of the facility.

The product's signals may affect the operation of the electronic medical equipment.

■ SC TV Antenna Cable 04

Danger



Don't

Keep conductive materials (metal pieces, pencil lead, etc.) from coming in contact with the headset connection terminal, and keep those materials from getting inside of them.

Doing so may cause fire, fault, or burns, etc. from overheating.

Warning



No liquids

Do not use in places subject to direct splashing with water, pet urine or other liquids.

Doing so might result in faults resulting from overheating, fire, electric shocks, injuries or short-circuiting of electronic circuits.

Caution



Do

If you feel any abnormality with your skin, immediately consult a dermatologist.

Itching, rashes, eczema, etc. sometimes occurs depending on your physical constitution and condition.

For parts materials ►P.18 "Material list"

■ AKG Tuning High-quality Earphone with Microphone (sample)

Warning



Don't

Do not use the product for playing game or music while driving a car or motorbike, riding a bicycle or walking.

Doing so may compromise traffic safety and cause an accident.

Caution



Do

When playing game or music, adjust the volume to the proper level.

Setting too loud volume or using the earphone continuously may be harmful to your ears. Even if the proper volume is applied, using for a long time may cause hearing loss.

Also, raising the volume too high might prevent you from hearing sounds around you, which might in turn lead to a traffic accident at a railroad crossing or pedestrian crossing.



Do

When adjusting the volume, raise the volume a little at a time.

If you raise the volume too much from the outset, sudden loud noise from the earphone, etc. might adversely affect your ears.



Do

If you feel any abnormality with your skin, immediately consult a dermatologist.

Itching, rashes, eczema, etc. sometimes occurs depending on your physical constitution and condition.

For parts materials ▶P.18 "Material list"

■ SIM card removal tool (sample)

Warning



Don't

Be sure to read the following warnings before use. The end of the SIM card removal tool (sample) is sharp. Do not use pointed at yourself or other people.

Doing so might hit yourself or other people resulting in injuries or loss of sight.

Caution



Do

If you feel any abnormality with your skin, immediately consult a dermatologist.

Itching, rashes, eczema, etc. sometimes occurs depending on your physical constitution and condition.

For parts materials ▶P.18 "Material list"




Do

Store the SIM card removal tool (sample) in a place where infants cannot reach.

If it is accidentally swallowed, it might result in suffocation or injuries, etc.

■ Sample for data transfer (Micro USB cable (sample) and USB conversion adapter for OTG (sample))


 **Warning**



No liquids

Do not use in places subject to direct splashing with water, pet urine or other liquids.

Doing so might result in faults resulting from overheating, fire, electric shocks, injuries or shortcircuiting of electronic circuits.

 **Caution**




Do

If you feel any abnormality with your skin, immediately consult a dermatologist.

Itching, rashes, eczema, etc. sometimes occurs depending on your physical constitution and condition.

For parts materials ▶P.18 "Material list"

■ Clear case (sample)

 **Caution**



Do

Do not get your fingers caught when attaching the clear case (sample).

May cause injuries, etc.



Do

If you feel any abnormality with your skin, immediately consult a dermatologist.

Itching, rashes, eczema, etc. sometimes occurs depending on your physical constitution and condition.

For parts materials ▶P.18 "Material list"

Material list

■ Main unit

Part	Material	Surface treatment
Display (Touch panel)	Glass	—
Exterior case (side, top, bottom)	Aluminum	Anodic oxidation treatment
Slit (top, bottom)	PBT-GF45%	—
au IC card/microSD memory card tray	PC	Laser printing
au IC card/microSD memory card tray (side)	Aluminum	Anodic oxidation treatment
Rear panel	Glass	Film laminating
Power key, Volume key, Bixby key	Aluminum	Anodic oxidation treatment
Receiver/speaker	Aluminum	Anodic oxidation treatment, water repellent coating
Fingerprint recognition sensor (surrounding area)	Aluminum	Anodic oxidation treatment
Fingerprint recognition sensor (center area)	Primer	UV coating
Rear camera surrounding area	Aluminum	Anodic oxidation treatment
Rear camera lens panel	Glass	Black printing
USB Type-C connection terminal	Corson Alloy	Gold plating
USB Type-C connection terminal (surrounding area), Headset connection terminal (surrounding area)	PBT-GF45%	—

Part	Material	Surface treatment
Headset connection terminal	Copper + Titanium	Nickel plating and Gold plating
Speaker	PBT-GF45%	—

■ SC TV Antenna Cable O4

Part	Material	Surface treatment
Headset connection terminal (metal part)	Brass	Nickel plating and Gold plating
Headset connection terminal (exterior), Plug (exterior)	LDPE, TPE	—
Cable	TPE	—
Plug (metal part)	Brass	Nickel plating and Gold plating
Plug (resin part)	LDPE, TPE	—

■ AKG Tuning High-quality Earphone with Microphone (sample)

Part	Material	Surface treatment
Plug (metal part)	Copper, Nickel	Nickel plating
Plug (outer covering)	TPE	Corrosion treatment
Cable (string)	Polyester	Water repellent coating
Cable junction	TPE	Corrosion treatment
Cable control ring	TPE	Corrosion treatment
Cable	TPE	—
Switch	PC	UV coating, HB transparent primer treatment
Earphone speaker part	TPU	Discharge corrosion treatment
Earphone outer covering	PC	UV coating, HB transparent primer treatment

Part	Material	Surface treatment
Earphone (AKG area)	Aluminum	Sanding, diacut, anodic oxidation treatment
Earphone (cable border side of the speaker)	TPE	Corrosion treatment
Earpiece	Silicone	Corrosion treatment

■ SIM card removal tool (sample)

Part	Material	Surface treatment
Unit	SUS304	Barrel polishing

■ Micro USB cable (sample)

Part	Material	Surface treatment
Cable	TPE	—
Plug (metal part)	SUS301	Nickel plating
Plug (resin part)	PC	UV coating

■ USB conversion adapter for OTG (sample)

Part	Material	Surface treatment
Main unit	PC	High gloss
USB Type-C connection terminal	SUS301	Nickel plating

■ Clear case (sample)

Part	Material	Surface treatment
Main unit	TPU	Urethane transparent coating

Handling precautions

These precautions are provided to prevent the product from getting a malfunction and to ensure that performance can be fully demonstrated. Thoroughly read these precautions to ensure correct use.

■ Precautions common to the product, internal battery, charging equipment, au IC card, peripheral devices

- Do not apply excessive force to the product during use. Be sure not to put the product into a tightly packed bag or place a heavy object on the product in a bag. Sitting on the product in your pocket might damage the display or internal circuit board resulting in a malfunction.
And, keeping an external device connected to the external connection terminal or headset connection terminal might damage the connector resulting in a malfunction. Such damage and malfunction are not covered by the warranty, even if there is no external damage.
- To ensure waterproof property (equivalent to IPX5 and IPX8) of the product, make sure to attach the au IC card/microSD memory card tray securely when using the product. au does not guarantee actual operations under all states. Do not allow water to enter the product interior or splash water on the charger/accessories. Do not open or close the au IC card/microSD memory card tray in the rain or when it is wet. Water may enter the product interior and cause corrosion. Note that if a trouble is diagnosed as exposure to water or other liquid, repairs of the product may not be covered by the warranty.
- Do not use the product in places that have extremely hot or low temperatures, or high humidity. (Use within an ambient temperature range of 5 °C to 35 °C and a humidity range of 35% to 85%. However it can be provisionally used if it is 36 °C to 40 °C and a humidity range of 86% to 90%. when storing the product, store it within the ambient temperature range of 0 °C to 45 °C.)
 - Galaxy S9+ main unit
 - au IC card (when attached to Galaxy S9+ main unit)

- Do not use the product in extremely hot, cold or humid places. (Use within an ambient temperature range of 5 °C to 35 °C and humidity range of 35% to 85%).
 - charging equipment
 - peripheral devices
- Do not use the product in extremely hot, cold or humid places. (Use within an ambient temperature range of 5 °C to 35 °C and humidity range of 35% to 85%. Store within an ambient temperature range of 0 °C to 45 °C.)
 - SC TV Antenna Cable 04
- Do not use in places subject to lots of dust or vibration. Doing so may cause a fault.
- Clean the connection terminals with dry cotton swabs, etc. every now and then. Soiled terminals might cause poor connection. Do not exert a strong force to clean the connection terminals to prevent deformation.
- Clean the product with a soft dry cloth (such as the type used for eyeglasses). Forceful rubbing with a dry cloth may scratch the display. The display may be stained if splash or smear is left attached to the surface. Wiping the product using alcohol, thinner, benzene, detergent, glass cleaner, etc. might erase the printing on the outer casing or cause discoloration.
- Use as far away as possible from land-line phones, TVs, radios, etc. Use nearby might affect them.
- The product may become warm while charging etc., depending on the situations, but this is not abnormal.
- Do not place near corrosive chemicals or in places where corrosive gas is generated. Doing so may cause a fault.
- Do not use outside when you can hear thunder. Doing so might risk lightning strikes and electric shock.
- Be sure to use only the specified peripheral devices. Use of other peripheral devices might cause fault.
- Do not put the product in a cooking apparatus such as microwave oven or a pressure vessel. Doing so might cause fault.
- The customer is not allowed to disassemble, modify or repair the product. Doing so might cause a fault. Modification of cell phones is in violation of the Radio Law and the Telecommunications Business Act.
- Do not short-circuit the external connection terminal or headset connection terminal. Do not allow conductive foreign objects (metal fragments, pencil leads, etc.) to come into contact with or get inside the connection terminals. Doing so might cause fault.
- If the product gets wet during charging, immediately disconnect the power plug of the specified charger (sold separately).
- Do not use a cell phone while walking or driving a car or riding a motorbike or bicycle. Use of a cell phone while driving a car or motorbike is prohibited by law. Use of a cell phone while riding a bicycle may be punishable by some regulations.
- Do not cover or wrap the product in the bag, bedclothes, etc. while using or charging the product.
- When using a charging equipment or external device, insert/remove the connector straight to/from the product. Make sure the orientation of the connector is correct. Unless it is correct, it may cause fault.
- Do not expose the camera lens to direct sunlight for an extended period. Doing so might cause fault.
- Do not use, store or leave the product in places subject to direct sunlight (e.g. in automobiles), places that get hot, places that get extremely cold, and in humid or dusty places. Doing so might fault.
- Do not leave on unstable places such as rocky stands or tilting surfaces especially while charging the product or the vibration mode set. Dropping the product may cause fault.
- Do not use power outlets or wiring apparatus beyond its rating when charging the product, for example, by connecting multiple devices to a single power strip.

■ Main unit

- The battery for this product is built-in and cannot be replaced by the customer. Contact an au shop or a Customer Service Center to replace the battery.
- Do not forcefully press, tap or intentionally subject the display to strong impact. Doing so might cause scratching or damage.
- Do not forcefully press your fingernails, sharp objects or hard objects against buttons or display surface. Doing so might cause scratching or damage.
- The touch panel is designed to be lightly touched by fingers. Do not apply strong pressure with your fingers or sharp-pointed objects (such as fingernails, ballpoint pens and pins) on the touch panel.

In the following cases, the product may not respond to touching the touch panel, or errors in operation may occur.

- Operation with gloved hands
 - Operation with fingernails
 - Operation with a foreign object placed on the touch panel
 - Operation with a protective sheet or sticker on the touch panel
 - Operation with water drops or dew condensation attached on the display
 - Operation with wet or sweaty fingers
 - Operation underwater
- Never use modified product. Use of a modified device violates the Radio Law and the Telecommunications Business Act. This product is compliant with rules on the technical standard conformance of specified wireless equipment based on the Radio Law and rules on the technology regulatory compliance of terminal device based on the Telecommunications Business Act. As proof of this, the "Technical Conformity Mark" is indicated in this product.

How to confirm: On the Applications screen, [Settings] → [About phone] → [Regulatory information].

If the modifications are made to the internal components, the certification of conformity with technical regulations will become invalid. Never use the product without the valid certification. Doing so violates the Radio Law and the Telecommunications Business Act.

- Take care not to place magnetized items such as magnetic cards, speakers and TV sets near the product, as it might cause malfunction. Putting a strong magnetism close to the product might cause false operation.
- Do not bring the product close to magnetized objects such as cash cards, credit cards, and prepaid cards. Doing so might result in loss of recorded information.
- When you put the product in your pocket or bag, take care so that the display does not come in contact with metal objects or other hard objects, as it might cause scratching or damage.
- When suddenly brought into a warm place from a cold place, or when in a humid location, or when used where temperature suddenly changes (e.g. near the air discharge port of an air conditioner), water droplets (i.e. condensation) sometimes are formed inside the product. Note that when used under conditions such as this, the humidity might cause corrosion or a fault.
- Do not exert excessive force when attaching/removing a microSD memory card. Doing so might injure your hands or fingers.
- While writing/reading data to/from a microSD memory card, do not subject the product to vibration or impact, or turn off the power. Doing so might cause loss of data or a fault.
- Do not cover the proximity/light sensor with your finger or put a sticker on it. Doing so may hinder it from detecting the ambient brightness and functioning correctly.
- Do not put a sticker, etc., on the proximity/light sensor. Doing so may cause the sensor to malfunction and make the display always turned off while receiving a call or during a call.
- Normally, keep the au IC card/microSD memory card tray closed when using the product. Otherwise, dust or water may enter the product interior and may cause malfunctions.

- Do not put liquids, metals, or other foreign objects into an IC card/microSD memory card slot of the product. Doing so may result in a malfunction.
- Do not subject to strong impact, such as dropping, stomping and throwing. Doing so might cause fault.
- Do not put the product directly on sand at a beach, etc. Sand or other small particles might get inside the receiver/speaker, the mouthpiece, the speaker, causing the volume to drop. If sand gets inside this product's main unit, it might cause fault.

■ Touch Panel

- Do not put stickers or sheets (e.g. commercially available protective films, peep prevention sheets) on the display. Doing so might hinder correct operation of the touch panel.
- When carrying the product in your pocket or bag, take care not to put the touch panel close to metals or other conductive materials, as it might cause false operation of the touch panel.

■ Organic EL (OLED) display

- Although lightning intensity of OLED can be decreased partly when the same image has been displayed for a long time, extreme continuous use is performed with "Brightness" setting of "Display and wallpaper" set to be always bright, it is not abnormal because that is the characteristic of OLED.
- Although the organic EL (OLED) display used on the product is made using high-precision technology, some pixels (dots) might be lit or out at all times. Or color may be changed or unevenness of brightness may be shown if looked at from different angles. Note that that is because of the structure of OLED display, not a fault.
- Leaving the OLED exposed to the direct sunlight might cause a fault. Take care when you place the product by the window or outside.

■ Internal battery



Li-ion00

(The internal battery of the product is a lithium-ion battery.)

The internal battery is not fully charged at the time of purchase. Charge the battery before using the product. If you have not used the product for a long time, you should charge the battery.

- At extremely high or low temperatures, such as if you leave the product in a closed car during summer, the capacity of the internal battery decreases and so will the amount of time it can be used decrease. This also decreases the lifespan of the battery. Use the product at room temperature whenever possible.
- After charging the battery, it gradually discharges, even if you do not use this product. If you do not use this product for a long time, you should charge the battery as the internal battery may have discharged.
- The internal battery is a consumable item. If the performance of the internal battery does not recover (e.g. the usable time after each charge has become extremely short), stop using the battery as it is at the end of its service life. As the battery is built-in, you can have it replaced at an au shop for a fee. Note that you will not be able to use the product for a certain period of time. The battery lifespan varies depending on how the product is used.
- Depending on the use condition, the internal battery may be inflated as it comes close to the end of its service life. This is due to the properties of lithium-ion batteries and does not pose any safety risks.

■ Charging equipment

- Do not wrap the power cord of the specified charging equipment (sold separately) around the adapter. Also, do not forcibly bend the plug of the charging equipment (sold separately) or the connection between the connector and power cord. Do not pull or place a heavy object on the charging equipment (sold separately) cord with unnecessary force.

- When unplugging the power plug of the specified charging equipment (sold separately) from the power outlet or accessory socket, hold and pull the power plug. If you pull the cord, the cord might be damaged.

■ Wireless charging

- Do not stick metallic items (such as stickers that contain metal) on wireless charger (sold separately) or the back of the product. Doing so may result in a malfunction.
 - Although the information light on the wireless charger (sold separately) may remain on after the product has finished charging, this is not a fault.
 - Charging may stop just before the battery is fully recharged.
 - If charging stops before the battery is fully recharged, charging may not begin immediately.
 - Depending on the Qi specification-compatible product, charging may repeatedly start and stop. Charge this product with an au-approved product.
 - If the temperature exceeds a certain level, charging may stop or take a long time, but this is not a fault. Please wait for the temperature to decrease.
 - Place the wireless charger (sold separately) on a flat, stable surface and charge the product.
 - Turn off the vibration function when charging wirelessly. If the product vibrates, it may not fully charge or fall off the wireless charger.
 - Remove any commercially-available cases, covers, plastic film, stickers, and so on attached to the product before charging.
 - Check that the wireless charger (sold separately) and the product are not wet.
 - Do not wirelessly charge the product while it is connected to the specified charging equipment (sold separately).
 - Keep the product away from devices that support wireless charging. Otherwise, the au product you wish to charge may not be detected correctly and may not be charged.
 - If the product receives interference from a radio or TV, use the product as far away from the radio or TV as possible.
- Depending on the Qi specification-compatible product, it may not receive calls while charging. Charge this product with an au-approved product.
 - Depending on the Qi specification-compatible product, charging may not be able to start due to mutual interference with the Osaifu-Keitai[®] function. Charge this product with an au-approved product.
 - If you run an application on the product while it is being charged wirelessly, it may not fully charge.
 - Although the product may become warm while it is on the wireless charger (sold separately), this is not a fault.
 - Reception quality may decrease while the product is charging on the wireless charger (sold separately).
 - Do not move the wireless charger (sold separately) and the product while it is charging.
 - After the product has finished charging, the remaining battery level may decrease, even if the product is left as is.
 - Do not put credit cards, nor contactless IC cards, etc. in between the product and the wireless charging pad (sold separately) when wirelessly charging. The product will not be able to be charged, and will heat up while charging, and the product and the cards might malfunction, or be damaged.

■ au IC card

- Do not forcibly remove or insert the au IC card. Be careful not to exert excessive force when inserting the card into your au cell phone.
- You are responsible for any damage caused by inserting your au IC card into some other IC card reader/writer, etc.
- Do not put stickers, etc. on the au IC card.
- Do not insert an au IC card to which a conversion adapter is attached. Doing so may cause a fault.
- Do not perform actions that may damage the au IC card (e.g. using in high temperature areas, tossing into fire, allowing foreign matter to come into contact with metal part, subjecting to shock, bending, applying heavy load, getting wet, etc.). It may cause data loss or other malfunctions.

■ **AKG Tuning High-quality Earphone with Microphone (sample)**

- Do not wrap the cord around the product. It may lower its sensitivity and the sound may cut off or noise may be generated. Do not pull the cord to unplug. Do not hang the phone with the cord, either. It may damage the cord, connector plug and the headset connection terminal of the product.
- Be aware not to gather dust on the connector terminal. Doing so may cause a fault.
- Attach or remove the connector horizontally to or from the headset connection terminal of the product.

■ **SIM card removal tool (sample)**

- Do not force the SIM card removal tool (sample). Doing so might cause it to break or damage.
- When disposing of it, follow the rules regarding disposal in your area.
- Do not use the SIM removal tool (sample) for any other purposes except for what is written in this manual, also do not use it on other mobile phones. Doing so might cause the mobile phone to break or damage it.

■ **Sample for data transfer (Micro USB cable (sample) and USB conversion adapter for OTG (sample))**

- Do not use the sample for data transfer (Micro USB cable (sample) and USB conversion adapter for OTG (sample)) for any other purposes except for data transfer. Doing so might cause the mobile phone to break or damage it.

■ **Clear case (sample)**

- When disposing of the clear case (sample), follow the rules regarding disposal in your area.

■ **Camera**

- When photographing important occasions, take a trial shot and check the shot image to make sure it is correctly shot.
- Do not use the camera in places where photographing is not allowed.

■ **Copyrights and rights of portrait**

- You are not allowed to copy, distribute, publish, modify or edit the data you shot, recorded or downloaded using this product without the consent of the copyright holder, except for personal use, under the copyright law.

In addition, do not use or modify portraits or names of other individuals without their consent, as it might infringe on rights of portrait.

Note that shooting and recording may be restricted at some live performances, shows and exhibitions even for personal use.

- Be careful about the copyright and portrait right when posting images you shot, etc. on Internet homepages.

■ **Backup content on the product**

- Please back up important content recorded or downloaded for the product to an outside source. Content recorded to memory on the product sometimes disappears or is altered by unexpected factors, such as static electricity or a fault, repair, mishandling, etc.

Precautions for Waterproofness/ Dustproofness

- This product is waterproof to IPX5 ^{*1} (protection of JIS C 0920) and IPX8 ^{*2} standards, as well as dustproof equivalent to the IP6X ^{*3} standard (based on in-house testing).
- Before using the product, thoroughly read the "Important precautions" for proper use. Failure to observe the safety precautions may allow water, sand or other foreign objects to enter the product interior and cause overheating, ignition, electric shocks, injuries, malfunction, etc.
 - *1 IPX5 equivalent means that a phone keeps functioning after applying a jet flow of 12.5 liters per minute from every direction from a distance of approximately 3 m for at least 3 minutes using water nozzle in 6.3 mm inner diameter.
 - *2 IPX8 equivalent means that a phone keeps functioning after being slowly submerged to depth of 1.5 m in static tap water at room temperature, left there for 30 minutes and then taken out.
 - *3 IP6X equivalent means that dust does not enter the interior of a phone after it is placed in a device containing dust with diameter of 75 μm or less for 8 hours, agitated and then taken out.
- au does not guarantee actual operations under all states. Malfunctions deemed to be caused by inappropriate operation by the customer are not covered by the warranty.

Important precautions

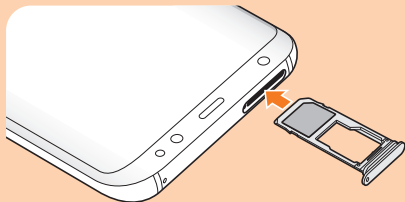
- To ensure waterproof property of the product, make sure that the au IC card /microSD memory card tray is securely attached.
- Never open or close the au IC card/microSD memory card tray when your hand and/or the product is wet.
- Do not immerse the product in or splash the product with liquid other than tap water (seawater, pool, hot spring, soap water, detergent water, water with bath salts in it, alcohol, beverages, seasonings, etc.). Also, do not use the product in places subject to splashing with pet urine.
- In the event that the product is splashed with such liquids, rinse off immediately with tap water.

- Do not place the product directly on beach sand, etc. Sand or other small particles might get inside the receiver/speaker, the mouthpiece or the speaker, causing the volume to drop. If sand gets into the interior of the product, it might cause overheating or a fault.
- Do not use the product underwater.
- Do not use or store the product in a bathroom, kitchen or other highly humid areas for a prolonged period.
- There may be some water remaining on the product even after draining it. The product can be used normally, but remember to keep it away from objects you do not wish to get wet. Also be careful as your clothes, bag, etc. may get wet from the water remaining on the product.
- You need to perform draining if water accumulates in the mouthpiece or receiver/speaker temporarily making it harder to hear the sound.
- The product is not resistant to water pressure. Do not directly apply high water pressure to or immerse the product for a prolonged period.
- Do not wash the product using a washing machine or ultrasound cleaner.
- Do not immerse the product in a bathtub. The product is not heat resistant.
- Abrupt temperature changes may cause condensation to form and may result in malfunctions. Wait for the product to reach normal temperature when taking it into a warm bathroom, etc. from cold areas.
- This product does not float in water.
- **au IC card/microSD memory card tray**
 - Make sure to attach the au IC card/microSD memory card tray without any gaps. Even a fine debris (a piece of hair, etc.) between contact surfaces may allow water to enter the interior of the product.

How to attach the au IC card/microSD memory card tray

Insert the au IC card/microSD memory card tray in a straight line all the way into the au IC card/microSD memory card slot as shown in the diagram.

- If you turn the au IC card/microSD memory card tray upside down, the au IC card may be dislodged.



- Do not wear gloves, etc. when you attach or remove the au IC card/microSD memory card tray. Even a fine debris (a piece of hair, etc.) between contact surfaces may allow water to enter the interior of the product. If there is any water droplets or debris on the tray, wipe them off completely with a dry clean cloth before attaching it.

- Deterioration or damage of the au IC card/microSD memory card tray will cause the waterproof performance to degrade.

● If any liquid other than water gets on the product

- In the event that the product comes into contact with liquid other than water (seawater, detergent water, alcohol, etc.), rinse it off immediately.
- You can wash the product under a mild flow (less than six liters per minute) of tap water at room temperature (5°C to 35°C) at a distance of about 10 cm from the faucet or shower head.
- If the product gets dirty, wash it with your hands holding the au IC card/microSD memory card tray so that it does not open. Do not use a brush or sponge.

● If the product gets wet

- After the product gets wet, drain water and wipe the product with a clean dry cloth.

- Water droplets adhered on the product may freeze in cold regions. Continued use of the product in such condition may cause malfunctions. Do not leave any water droplets on the product.

● Rubber gaskets

- The rubber gaskets of the au IC card/microSD memory card tray play an important role for maintaining the waterproof performance. Do not damage or remove the rubber gaskets.
- When closing the au IC card/microSD memory card tray, take care not to get the rubber gaskets caught. Closing the tray forcibly may damage the rubber gaskets causing the waterproof performance to degrade. Even a fine debris (a piece of hair, etc.) between contact surfaces may allow water to enter the interior of the product.
- Liquid other than water (such as alcohol) adhered to the product may cause the durability performance to degrade.
- Do not insert a sharp object into the gap between the au IC card/microSD memory card tray. Doing so may damage/deform the product or damage the rubber gaskets and may allow water to enter the interior of the product.
- To keep the product waterproof, replacement of parts is recommended every two years even if the product is functioning normally. Contact your nearest au shop for the replacement of parts.

● Heat resistance property

- Do not put the product in hot water, use it in a sauna or apply hot airflow (from a hair dryer etc.) to it. This product is not heat resistant.

● Impact tolerance

- This product is not impact-resistant. Do not drop or apply shock to the product. Do not poke the microphone, receiver/speaker, speaker, etc. with a sharp object. Doing so may damage/deform the product and may allow water to enter the interior of the product.

Charging

Accessories and optional devices are not waterproof. Check the following before and after charging.

- Never try to charge the product when the product is wet. Doing so may cause fire, burns, injuries, electric shocks, etc.
- Make sure that the product is not wet. To charge the product after it has been wet, drain the water thoroughly and wipe any remaining water using dry clean cloth.
- Do not touch the specified charging equipment (sold separately) with wet hands. Doing so may cause electric shock.
- Do not use the specified charging equipment (sold separately) in a bathroom, shower room, kitchen, lavatory or other highly humid area. Doing so may cause fire, burns, injuries, electric shocks, malfunction, etc. Do not bring the product into a bathroom, etc. even when you are not charging it. Doing so may cause fire, burns, injuries, electric shocks, malfunction, etc.

Draining water when the product gets wet

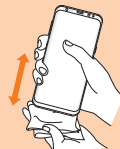
- If the product gets wet, make sure to drain water from the tray eject hole, mouthpiece/microphone (upper/lower) holes, receiver/speaker, speaker, keys, headset connection terminal and external connection terminal.
- Continued use will present a risk of getting your clothes/bag wet or make it harder to hear the sound.
- Follow the steps below to drain water.
 - 1 Hold the product firmly and wipe off moisture on the product surface and back side with dry, clean cloth etc.**



- 2 Shake the product approximately 20 times, firmly holding it, until there is no more water splattering.**



- 3 Swing the product about 20 times against a dry, clean cloth etc. to wipe off water remaining in the mouthpiece/microphone (upper and lower), receiver/speaker, speaker, keys, headset connection terminal, etc.**



- 4 Wipe off water drained from the product with dry, clean cloth etc., and dry naturally.**
Water, if any, remaining in the product may ooze up after wiping off.
Do not wipe off water remaining in gaps directly with a cotton swab etc.

Notes on using Bluetooth®/wireless LAN (Wi-Fi®) functions

- The Bluetooth® function and wireless LAN (Wi-Fi®) function of this product conform to the domestic standards of Japan, FCC standards and EC Declaration, and have been certified.
- In some countries and regions, use of the Bluetooth® and wireless LAN (Wi-Fi®) functions may be restricted. Before you start using the product overseas, check the relevant laws and regulations of the country/region you visit.
- The 2.4 GHz band used by wireless LAN (Wi-Fi®) and Bluetooth® devices is shared by various other devices. For this reason, the communication speed and connectable range may be decreased, or disconnection may occur, due to interference from other devices.
- Do not use this product in places where electromagnetic waves are generated or near electric products, AV and OA equipment, or other magnetized devices.
- Subjecting this product to magnetic or electrical noise might increase noise and prevent it from performing communications. (This product is particularly susceptible to noise when it used near a microwave oven.)
- Using this product near a TV, radio or similar appliance might cause reception interference and disrupt TV images.
- The searching might not be successful if there are multiple wireless LAN (Wi-Fi®) access points near to the product or the same channel is being used.
- As there are usage restrictions in an airplane, follow the instructions from the airline.
- The communication speed and connectable range vary depending on the distance between communication devices and obstacles.

2.4 GHz frequency band precautions

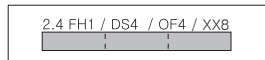
The frequencies used by the Bluetooth® and/or wireless LAN (Wi-Fi®) function of this product are in the 2.4 GHz band. In this frequency band, other similar wireless stations, in-plant wireless stations for mobile unit identification that require a license to use, such as factory production lines, specific small power wireless stations that do not require licenses, amateur wireless stations (collectively called "other wireless stations" from here on) are operated in addition to home electrical appliances such as microwave ovens, devices for industrial, scientific and medical devices.


1. Before using this product, make sure that "other wireless stations" are not in operation nearby.
2. In the event that instances of radio wave interference have occurred between this product and "other wireless stations", immediately either relocate this product or stop operation of the device (stop the emission of radio waves).
3. If you are unclear on any points or are troubled by anything, contact an au shop or Customer Service Center.



- ◎ The connections between this product and all other Bluetooth® and wireless LAN (Wi-Fi®) devices have not been confirmed. Therefore, connections with all Bluetooth® and wireless LAN (Wi-Fi®) devices are not guaranteed.
- ◎ This product supports security features for wireless communications that are compliant with the Bluetooth® and wireless LAN (Wi-Fi®) standard specifications, but the security may not be sufficient depending on the usage environment and configuration. Be careful when making data communication using Bluetooth® or wireless LAN (Wi-Fi®) function.
- ◎ Wireless LAN (Wi-Fi®) has the advantage that it can be freely connected anywhere within the radio wave range, as it uses radio waves for exchanging information. At the same time, there is a risk that a malicious third party may obtain unauthorized access if security settings have not been configured. You are recommended to configure security settings before using wireless LAN (Wi-Fi®) at your decision and responsibility.
- ◎ The Company assumes no responsibility for leakage of data or information that may occur during Bluetooth®/wireless LAN (Wi-Fi®) communication.
- ◎ Since Bluetooth® and wireless LAN (Wi-Fi®) functions use the same frequency band, using the both functions at the same time may cause radio wave interference resulting in decreased communication speed or disconnection from the network. If connection fails, stop using either of the Bluetooth® and wireless LAN (Wi-Fi®) functions.

Bluetooth® and wireless LAN (Wi-Fi®) functions of this product use frequencies in the 2.4 GHz band.



- Bluetooth® function: 2.4FH1/XX8
This product uses the 2.4 GHz band. For FH1, FH-SS is used as the modulation scheme. The interference distance is about 10 m or less. XX8 uses other schemes and interference distance is about 80 m or less.
- Wireless LAN (Wi-Fi®) function: 2.4DS/OF4
This product uses the 2.4 GHz band. DS-SS and OFDM are used as the modulation schemes. The interference distance is about 40 m or less.
- 
This means that all bandwidths can be used, and that bands of mobile unit identification devices cannot be avoided.

Available channels differ depending on the country. For use in an airplane, check with the airline company in advance.

5 GHz frequency band precautions

Wireless LAN (Wi-Fi®) function of this product uses 5 GHz band. Using the 5.2 GHz band and 5.3 GHz band outdoors is prohibited by the Radio Law.

The channels used on the product are as follows.

W52 (5.2 GHz band/36, 40, 44, 48 ch)

W53 (5.3 GHz band/52, 56, 60, 64 ch)

W56 (5.6 GHz band/100, 104, 108, 112, 116, 120, 124, 128, 132, 136, 140 ch)

IEEE802.11 b/g/n

IEEE802.11 a/n/ac

J52	W52	W53	W56
-----	-----	-----	-----

Available security codes/PIN code

Available security codes

The product has various security codes that you can use. The available security codes are as follows. Do not forget the various security codes that are set as they are necessary for various operations and contracts. Make sure to change the initial value to your own unique number.

Security code

Example of usage	①To do remote operation of Voice mail and Call forwarding services from a land-line phone ②To use Customer Service Center and to do various inquiries, applications, and modifications on the au homepage
Initial value	A four-digit number chosen by the customer and noted on the application form

Screen lock setting

Example of usage	To set and release the screen lock
Initial value	Swipe

PIN for unlocking

Example of usage	To set and release the screen lock or the remote lock
Initial value	1234

Make sure to change the initial value to your own unique number.

Password (Osaifu-Keitai lock setting)

Example of usage	To use the "Osaifu-Keitai lock setting"
Initial value	1234

PIN code

● PIN 1 code

To prevent unauthorized use of the au IC card by a third party, you can set the product to require PIN 1 code entry every time the power is turned on. You also need to enter PIN 1 code when setting whether the PIN 1 code entry is required. If the PIN code is incorrectly entered three times consecutively, the PIN code will be locked. Use the PUK code to unlock the PIN code.

- PIN 1 code is "1234" and PIN 1 code entry was set to not be required at the time of purchase. You can change PIN 1 code to any four- to eight-digit number, and set the PIN 1 code entry to be required as necessary. If you require a PIN 1 code to be entered, make sure to change the number to your own unique number.

● PUK code

In case the PIN 1 code is locked, you can unlock it by entering the PUK code.

- PUK code is an eight-digit number given at the time of purchase, which is printed on the back side of the plastic card where your au IC card is attached.
- After entering the PUK code, you need to set a new PIN 1 code.
- If the PUK code is incorrectly entered ten times consecutively, contact an au shop, PiPit or the Customer Service Center.
- "PIN 1 code" is not reset by initializing the product.

Notes on data communication charge

- Since a constant Internet connection is possible with this product, data communication may be performed automatically by some applications, resulting in high data communication charges. Therefore, subscription to a data communication charge discount service or flat rate plan is recommended.
- To browse homepages, download applications, communicate using applications, send/receive E-mails and configure various settings, connection to the Internet is required, to which data communication charge applies.
- * Data communication charge does not apply to Wi-Fi® connection.

Notes on applications

- Be sure to check the security of the application, then install it at your own risk. Some applications might cause virus infection, damage various data, and send out your location information, usage history or personal information stored in your cell phone via the Internet.
- The Company assumes no responsibility for any problems that might be caused by the applications you have installed. In such case, you may be charged a repair fee even during the warranty period.
- The Company assumes no responsibility for any disadvantage brought to you or any third party by applications you have installed.
- Insertion of a microSD memory card is necessary to use some applications.
- Some applications prohibit the product from entering sleep mode while they are active, or rapidly drain the battery while running in the background.
- Operational procedures and screen appearances of the applications preinstalled in this product and those installed by you are subject to change without notice as a result of version upgrade. In addition, operating procedures described in this manual may differ from the actual procedures.

Configuring the app's permissions

When you access a function or information on the product for the first time, a confirmation screen will appear requesting you to permit the access.

If a confirmation screen appears, read through the displayed information and tap either "DENY" or "ALLOW".

Example: When viewing the TV for the first time



1 On the Applications screen, [Galaxy] → [TV]

The "Allow TV to make and manage phone calls?" window appears.

2 [ALLOW]

3 Follow the onscreen instructions



- If you do not select "ALLOW", you may be unable to activate the app/function or the function may be restricted.
- To change the permission setting: on the Applications screen, [Settings] → [Apps] → tap the application whose permission setting you wish to change → [Permissions] → operate  /  of the permission you wish to change.
- A screen explaining the permission may be displayed for some apps/functions. Or, a confirmation screen may appear multiple times and or be displayed differently. Check the displayed information carefully and follow the on-screen instructions.
- Descriptions on the contents displayed on the confirmation screen(s) may have been omitted in this manual.

Take your manners with you as well

■ Use of the product is not allowed in the following places!

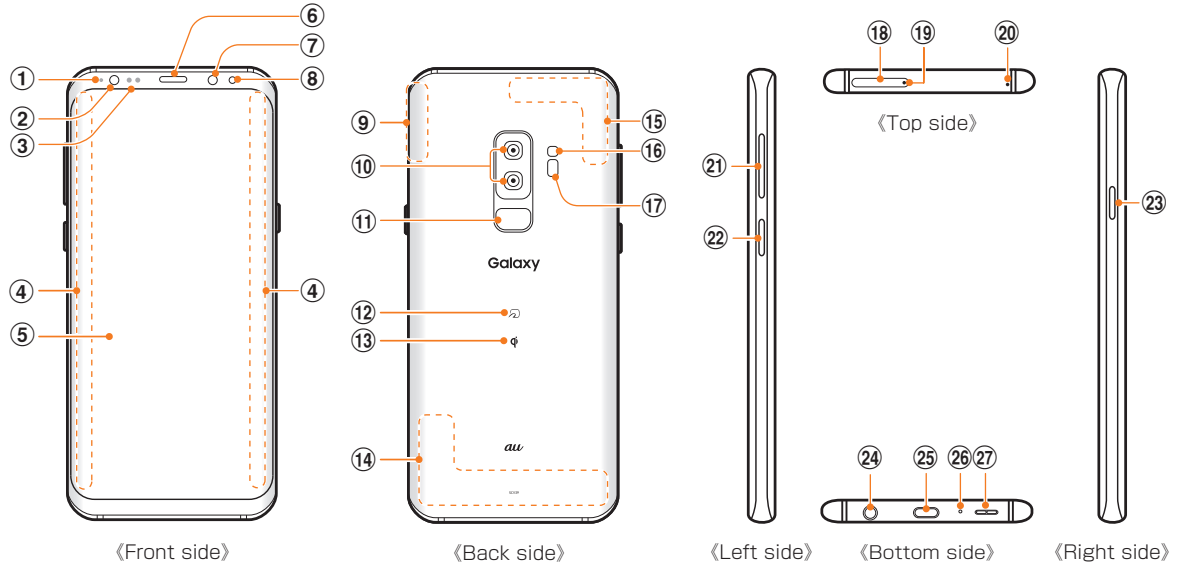
- Do not use a cell phone while driving a car or riding a motorbike or bicycle. It may cause a traffic accident. Use of a cell phone while driving a car or motorbike is prohibited by law. (Use of a cell phone while riding a bicycle may be punishable by some regulations.) Traffic accidents may be caused due to ambient sounds being hard to hear, or due to you being distracted by the screen display. Especially, be careful at the railroad crossing, station platform, or pedestrian crossing.
- As there are usage restrictions in an airplane, follow the instructions from the airline.



■ Consider people around you!


- To prevent ringtone from bothering other people, not only refrain from making a call but also power off or use Silent mode at a movie theater, theater, museum, library, etc.
- In a city area, use in a place where you do not bother people walking.
- It is extremely dangerous to walk while looking at the screen of the cell phone. Do not make calls or operate a cell phone while walking or by stopping suddenly.
- Move to a place where you do not disturb others while you are in shinkansen, a hotel lobby, etc.
- Be careful not to be loud while talking.
- If you are in a place with people around you, such as a train, be aware of noise emanating from your headphones or earphones.
- Ask permission if you take photos with your cell phone camera.
- Please keep general morals when using camera functions.
- There may be a person with a cardiac pacemaker nearby at a place filled with people such as in a crowded train. Set "Airplane mode" or turn off beforehand.
- When a medical institution has laid down designated areas where use of the product is prohibited or is not allowed to be brought in, abide by the instructions of that medical institution.

Getting ready

Names of parts and their functions



- ① **Notification LED**
Notify missed calls, indicate charging status, etc. only while the display is turned off.
- ② **Iris recognition LED** *1
- ③ **Proximity/Light sensor** *1
Turn off display and adjust the display brightness when proximity of face is detected or according to the ambient brightness. Also, operate this product by detecting motion of hand (gesture).
- ④ **Edge screen**
- ⑤ **Display (Touch panel)**
The screen is curved on the both sides. Colors may look different depending on what angle you are looking at the curved screen.
The display is covered with a protective film. To use a commercially-available protective film, remove the protective film on the display first.
- ⑥ **Receiver/speaker** *2
- ⑦ **Front camera**
- ⑧ **Iris recognition camera** *1
- ⑨ **GPS antenna part** *3
- ⑩ **Rear camera**
- ⑪ **Fingerprint recognition sensor**
- ⑫  **mark**
- ⑬  **mark**
When doing wireless charging, this is the place which is aligned with the "Qi" symbol on the Wireless Charging Pad (sold separately).
- ⑭ **LTE Built-in antenna part** *3
- ⑮ **Wi-Fi®/Bluetooth® antenna part** *3
- ⑯ **Flash/Light**
- ⑰ **Cardiac rate sensor**
Measure cardiac rate by activating the "S Health" application and holding up your finger.
- ⑱ **au IC card/microSD memory card tray**

- ⑲ **Tray eject hole**
The hole for inserting the SIM card removal tool (sample) to retrieve the au IC card/microSD memory card tray.
- ⑳ **Mouthpiece/Microphone (upper)** *4
Mouthpiece/Microphone (upper) operates for calling, handsfree calling or recording by voice recorder, etc.
- ㉑ **Volume key**
Adjust ringtone volume and media sound volume.
Release the shutter while shooting a still picture and video.
- ㉒ **Bixby key**
Start the "Bixby", and the information such as news are organized and displayed.
- ㉓  **Power key**
Press and hold for over 2 seconds to turn the power on/off. When the power is on, press to set screen lock.
- ㉔ **Headset connection terminal**
- ㉕ **USB Type-C connection terminal**
- ㉖ **Mouthpiece/Microphone (lower)** *4
Mouthpiece/Microphone (lower) operates for speech recognition such as calling or recording, etc.
- ㉗ **Speaker**



You can charge the product without a cable by just placing it on an au-approved wireless charger (sold separately) that has the symbol on the left. Refer to the compatible device's User Manual as well. Products with this symbol conform to the wireless charging standard by the Wireless Power Consortium (WPC).



This product is compatible with "Okudake-Juden" Wireless recharging, "okudake 充電 (Okudake-Juden)" and the "okudake 充電 (Okudake-Juden)" logo are registered trademarks of NTT Docomo.

- *1 Do not cover with a sheet, etc. Functions may not work correctly.
- *2 This product uses both a mouthpiece and a speaker. The volume will incrementally rise to the set volume so that loud sounds do not come out of the speaker in your ears after the speakerphone is switched to during calls, or after calls are finished.


- *3 The antenna is built into the phone. Covering around the antenna by hand may affect calling quality / communication quality.
- *4 Be careful to not cover over the mouthpiece/microphones (upper/lower) with your fingers, etc., while relevant functions are being used. In addition, do not insert the SIM removal tool (sample) into the product since this might cause damage.



memo

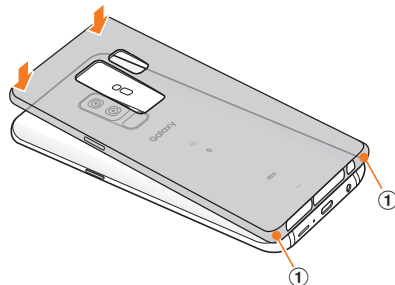
- ◎ The rear cover of this product cannot be removed. Forcibly attempting to remove the rear cover may cause damage or a fault. The battery is built-in to the product and you cannot remove it.
- ◎ To forcibly restart the product, refer to "Turning the power on/off" (▶P.42).

Attaching/detaching the clear case (sample)

- Make sure to and hold the product in your hand when attaching/detaching the clear case (sample) so that the display does not get damaged. And be aware not to press the  (Power key), Bixby key, and volume key.

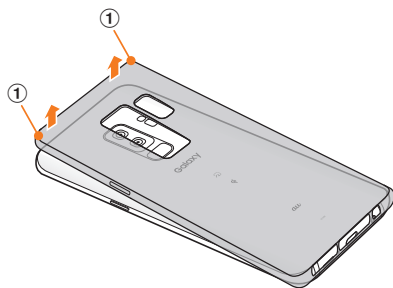
Attaching the clear case (sample)

- 1 Hook ① of the clear case (sample) with the product and attach the clear case (sample) in the orientation in the illustration



Detaching the clear case (sample)

- 1 Hook ① of the clear case with your fingertip, and remove the clear case (sample) in the orientation in the illustration



au IC card

Your phone number etc. is recorded on the au IC card.
This product is compliant with au Nano IC Card O4 only.

au Nano IC Card O4

(Back)



(Front)




IC (metallic part)



memo

- Since the au IC card might become faulty or get damaged when it is handled, be aware of the following.
 - Do not touch the IC (metallic) part of the au IC card.
 - Check that the card is inserted in the correct direction.
 - Do not use force to attach or remove.
- An error message will be displayed when the au IC card is not properly inserted, or if something is wrong with the au IC card.
- Do not lose the au IC card after it has been removed.
- Do not insert the au IC card to which a conversion adapter is attached. Doing so may cause a fault.
- The bundled SIM card removal tool (sample) is necessary to insert/eject the au IC card.
- Do not insert the bundled SIM card removal tool (sample) into any hole other than the tray eject hole. In addition, do not use it for any other purposes except for what is written in this manual.

When au IC card is not inserted

When the au IC card is not inserted, the following operations are not available. Also, the  will be displayed.

- Making a call^{*1}/receiving a call
 - Receiving/sending SMS
 - Receiving/sending +メッセージ (plus message)
 - Receiving/sending and initial settings of au-mail
 - Setting up PIN code
 - Checking the phone number and mail address of this product
- Besides the above, some functions requiring your phone number might not be available.

*1 Emergency calls to 110 (Police), 119 (Fire department or ambulance service), 118 (Japan Coast Guard), are also not available.

However, in the case of overseas, only emergency calls can be sent out (emergency numbers differ depending on countries.).

Attaching/removing an au IC card

Make sure to turn off the product beforehand when attaching/removing an au IC card.

If the clear case (sample) is attached to the product, detach the clear case (sample).

Attaching the au IC card

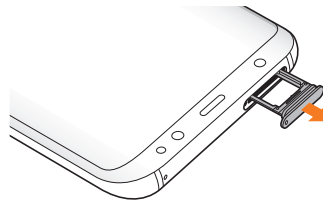
- 1** Insert the tip of the SIM card removal tool (sample) into the au IC card/microSD memory card tray eject hole in a straight line

The au IC card/microSD memory card tray will slightly eject.

- Not inserting the tool in a straight line might result in damage or a fault.

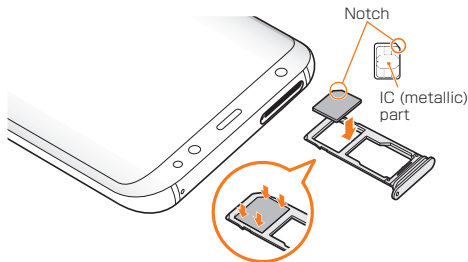


- 2** Pull out the au IC card/microSD memory card tray in a straight line



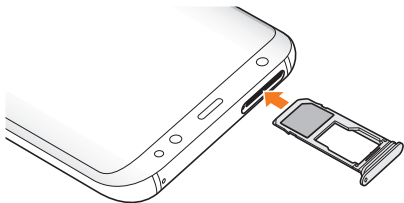
- 3** Place the IC (metallic) part of the au IC card face down on the au IC card/microSD memory card tray

- Take care to note the direction of the notch.
- Make sure that the au IC card is fitted correctly in the au IC card/microSD memory card tray. If the au IC card is not fitted correctly, the card may get jammed in the product when you insert the tray.



- 4** Insert the au IC card/microSD memory card tray in a straight line all the way into the au IC card/microSD memory card slot as shown in the diagram

- If you turn the au IC card/microSD memory card tray upside down, the au IC card may be dislodged.



Removing the au IC card

- 1** Insert the tip of the SIM card removal tool (sample) into the au IC card/microSD memory card tray eject hole in a straight line

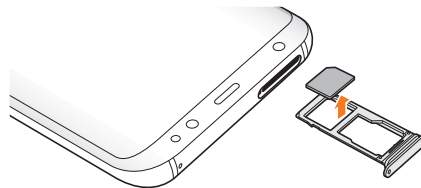
The au IC card/microSD memory card tray will slightly eject.

- Not inserting the tool in a straight line might result in damage or a fault.

- 2** Pull out the au IC card/microSD memory card tray in a straight line

- If you turn the au IC card/microSD memory card tray upside down, the au IC card may be dislodged.

- 3** Remove the au IC card from the au IC card/microSD memory card tray



- 4** Insert the au IC card/microSD memory card tray in a straight line all the way into the au IC card/microSD memory card slot as shown in the diagram

Attaching/removing a microSD memory card

Power off the product before attaching/removing a microSD memory card.

If the clear case (sample) is attached to the product, detach the clear case (sample).

- Do not apply excess force when inserting/removing a microSD memory card.

Attaching a microSD memory card

- 1** Insert the tip of the SIM card removal tool (sample) into the au IC card/microSD memory card tray eject hole in a straight line

The au IC card/microSD memory card tray will slightly eject.

- Not inserting the tool in a straight line might result in damage or a fault.

- 2** Pull out the au IC card/microSD memory card tray in a straight line

- If you turn the au IC card/microSD memory card tray upside down, the au IC card may be dislodged.

- 3** Place the IC (metallic) part of the microSD memory card face down on the au IC card/microSD memory card tray

- Make sure that the microSD memory card is fitted correctly in the au IC card/microSD memory card tray. If the microSD memory card is not fitted correctly, the card may get jammed in the product when you insert the tray.



- 4** Insert the au IC card/microSD memory card tray in a straight line all the way into the au IC card/microSD memory card slot as shown in the diagram

- If you turn the au IC card/microSD memory card tray upside down, the microSD memory card may be dislodged.

memo

- The microSD memory cards have distinguishable front and back/forward and backward orientations. If they are forcibly put in and can no longer be able to be removed, this might cause damage.
- For details on usable microSD memory cards, refer to "取扱説明書(詳細版)(Full Instruction Manual)" (Japanese).

Removing a microSD memory card

- 1 Insert the tip of the SIM card removal tool (sample) into the au IC card/microSD memory card tray eject hole in a straight line

The au IC card/microSD memory card tray will slightly eject.

- Not inserting the tool in a straight line might result in damage or a fault.

- 2 Pull out the au IC card/microSD memory card tray in a straight line

- If you turn the au IC card/microSD memory card tray upside down, the au IC card or the microSD memory card may be dislodged.

- 3 Remove the microSD memory card from the au IC card/microSD memory card tray



- 4 Insert the au IC card/microSD memory card tray in a straight line all the way into the au IC card/microSD memory card slot as shown in the diagram



© After using this product for a long time, the removed microSD memory card may be warm; this is normal.

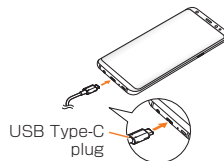
Charging

When you purchase your product, the internal battery is not fully charged. Be sure to charge the internal battery before use.

■ Plugging USB Type-C plug





When charging with TypeC Common AC Adapter O2 (sold separately)

Please insert straight in the external connection terminal of the product as shown in the figure below.



Failure to do so may cause significant damage to the product. Damage from incorrect connection is out of compensation.

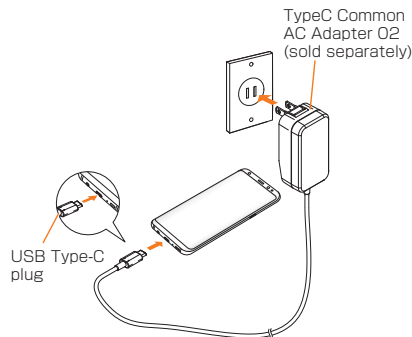
memo

- If charging with a PC or using the camera function or other functions, charging time may increase.
- The product is compatible with quick charging when a TypeC Common AC Adapter O1 (sold separately), TypeC Common AC Adapter O2 (sold separately) or Common AC Adapter O5 (sold separately) is used. Quick charging is possible when the power is off or the screen is off. However, quick charging is not possible during a call even if the screen is off.
- When battery level is 80% or more, charging speed by quick charging may be slow.
- If the LED indicator continues to blink red even after it has been charging for some time, check that the cable is connected correctly. If the LED indicator then continues to blink, stop charging the product and contact an au shop or the Repair and Delivery Service Center.
-  appears on the status bar during charging the product. When charging is finished,  appears on the status bar.
- If the screen turns off during charging, press  (Power key) to display the lock screen. "Charging: XX%" is displayed on the screen so you can check charge status. Also, if charging finished, "Fully charged" is displayed on the lock screen and  is displayed on the status bar.

Charging with the AC adapter

The following describes how to charge the internal battery using the TypeC common AC Adapter O2 (sold separately).

- 1** Insert the power plug of the TypeC common AC Adapter O2 (sold separately) into the AC 100 V outlet
- 2** With the engraved side up, insert the USB Type-C plug of the TypeC common AC Adapter O2 (sold separately) straight into the external connection terminal of the product



- 3** When the charging is finished, pull the USB Type-C plug of the TypeC common AC Adapter O2 (sold separately) straight out from the product and the power plug out from the outlet

Turning the power on/off

Turning the power on

- 1 Press and hold \square (Power key) over 2 seconds
The lock screen is displayed.
- 2 Swipe the screen up and down, left and right to unlock the screen



memo

- ◎ The first time the product turns ON, the initial setting screen appears. For details of initial setting, refer to "Setting Guide".
- ◎ If the product is unstable or other problems occur, start it in "Safe mode" to diagnose the problem. To start Safe mode, press \square (Power key) for 2 seconds or more when power is off, and after au logo disappears, continue to press lower side of the volume key.
 - * When Safe mode starts, "Safe mode" appears on the lower left corner of the screen.
 - * To terminate Safe mode, restart the product.
 - * Back up any data as necessary before using Safe mode.
 - * Any widgets that you create yourself may not work correctly.

Initial settings and switching to English mode

The first time the product turns on, the initial setting screen appears automatically. Follow the onscreen instructions to switch to English mode. For details, refer to the supplied "Setting Guide".

- To change language to use, on the Applications screen, [設定 (Settings)] → [一般管理 (General management)] → [言語とキーボード (Language and input)] → [言語 (Language)] → [言語を追加 (Add language)] → select language you want to use → [標準に設定 (SET AS DEFAULT)].

Turning the power off

- 1 Press and hold \square (Power key) over 2 seconds
The terminal option screen is displayed.
- 2 [Power off] → [Power off]

Restarting

- 1 Press and hold \square (Power key) over 2 seconds
The terminal option screen is displayed.
- 2 [Restart] → [Restart]

Force restarting

- 1 Press and hold \square (Power key) and lower side of volume key simultaneously for over 7 seconds



memo

- ◎ Note that as this is a force restart, some data or settings may be lost.

Locking the screen / canceling the screen lock

If the screen lock is set, the screen turns off to prevent the keys or touch panel from erroneous operation. If no operation is made during certain period of time, the screen of the product automatically turns off and is locked in approximately five seconds.

- When you carry in your bag to put this product, prevent erroneous, please set the screen lock always. Also, please do not press \square (Power key) of this product in such a bag.

1 While the screen is on, press \square (Power key)

Screen turns off and screen lock activates.

Canceling the screen lock

1 While the screen is off, press \square (Power key)

The lock screen is displayed.

- The lock screen also can be displayed after pressing the position of home button (\square).

2 Swipe the screen up and down, left and right to unlock the screen

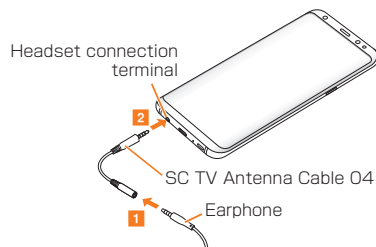
Using the SC TV Antenna Cable 04

To watch mobile TV on the product, use the SC TV Antenna Cable 04.

To output the mobile TV audio to the speaker, only connect the SC TV Antenna Cable 04 to the product. To output the mobile TV audio to the earphone, connect the earphone to the SC TV Antenna Cable 04 and then connect it to the product.

1 Connect the earphone connection plug to the headset connection terminal of the SC TV Antenna Cable 04

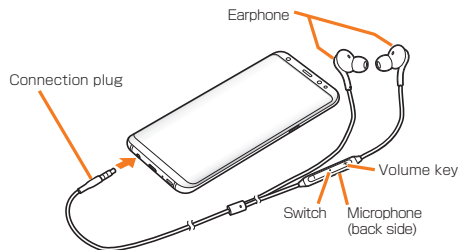
2 Connect the connection plug of the SC TV Antenna Cable 04 to the headset connection terminal of the terminal



Using AKG Tuning High-quality Earphone with Microphone (sample)

Connect and use the AKG Tuning High-quality Earphone with Microphone (sample).

- 1 Connect the connection plug of the AKG Tuning High-quality Earphone with Microphone (sample) to the headset connection terminal of the product



memo

- ◎ You can perform the following operations using the AKG Tuning High-quality Earphone with Microphone (sample).
 - Press the switch : Play/Pause the music in the "Play Music" application. You also can answer/end an incoming call.
 - Hold the switch for more than one second : Google voice searching is available.
 - To output the audio of the mobile TV to the AKG Tuning High-quality Earphone with Microphone (sample), connect the included SC TV Antenna Cable O4 with the AKG Tuning High-quality Earphone with Microphone (sample) first. If audio is not output from the earphones, press the switch on the AKG Tuning High-quality Earphone with Microphone (sample).

Basic operation

Touch panel operations

The display of this product is a touch panel. And touch the display directly with your finger to operate.

■ Tap/double-tap

Touch the screen lightly and then release your finger immediately. And the operation of tapping the same position twice in succession is called a double tap.

■ Slide

If the displayed item does not fit within the screen, touch the screen lightly and trace to the desired direction with your finger.



■ Touch and hold

Keep touching an item, etc. with your finger.

■ Flick (Swipe)

Quickly move (flick) with your finger up, down, right, or left.

- Move your finger slowly at the beginning and release lightly at the end.



■ Pinch

Touch the screen with two fingers and widen (pinch-out) or narrow (pinch-in) the fingers' distance.




■ Drag

Keep touching an item or icon, touch lightly and trace it to the desired direction with your finger.



Using the home screen

The home screen consists of multiple screens that can be switched by flicking right or left.

You can return to the home screen at any time by tapping .



- 1 Quick search box**
Tap to display the searching screen.
- 2 Widgets**
Tap to activate or operate.
- 3 Home screen guide**
Indicates which screen you are in.
- 4 Dial icon**
Tap to activate the dial.

- 5 Navigation bar**
 - ≡ History button**
Display the recently-used applications.
 - Home button**
Return to the home screen. Touch and hold to start the "Google Assistant".
 - ← Back button**
Return to the previous screen.
- 6 Edge screen**
You can register and quickly access your favorite apps, shortcuts and important contacts.

Starting an application

- 1 On the home screen, flick up or flick down**
Applications screen appears.
 - If the applications do not fit on one screen, flick from side to side to toggle applications screen.
- 2 Tap an icon of the application to be used**

Monitoring the product's status

An icon indicating the product status is displayed on the status bar at the top of the screen. At the left of the status bar, notification icons indicating missed calls, new mail messages, running actions, etc. are appeared. At the right of the status bar, status icons indicating the status of the product are appeared.



Icon view

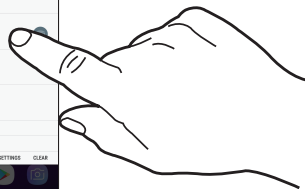
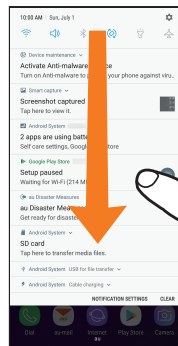
Main notification icons	
	Missed call
	New PC-mail message
	New au-mail message
	New +メッセージ (plus message)/SMS

Main status icons	
	Signal strength/Out of service area
	4G (LTE/WiMAX 2+) data communication status* 4G (LTE/WiMAX 2+) communication available/ 4G (LTE/WiMAX 2+) communication in process
	Wireless LAN (Wi-Fi®) communication status Wireless LAN (Wi-Fi®) available/ Wireless LAN (Wi-Fi®) communication in process
	Battery level/Charging/Charging completed
	Silent mode (Vibrate) set
	Silent mode (Mute) set
	Airplane mode activated
	Reader/Writer, P2P functions of NFC activated

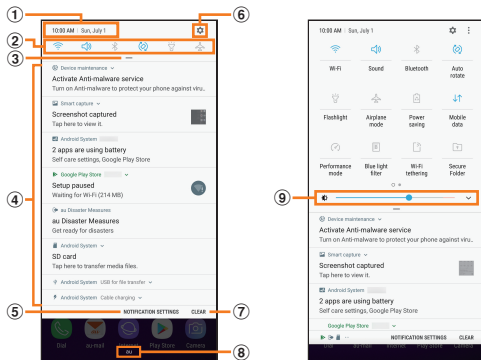
* Both the "LTE" and "WiMAX 2+" networks can be used. Even if only one can be used, "4G" will be displayed. Depending on network traffic, au may determine that one network has less traffic than the other and connect this product to that network.


Notification panel

When a notification icon appears on the status bar, you can check overview of the notification by slide down the status bar and open the notification panel.



Tap icon on the Notification panel to set functions or check the information notified. Drag " – "(③) down to show all Quick Settings Button.



- ① Show date and time.
- ② Switch on/off of each function (Quick Settings Button). Drag " – "(③) down to show hidden icons.
- ③ Drag down to check all Quick Settings Button.
- ④ Displays information and notifications.
 - Drag information and notifications to the left or right until , etc. are displayed, you can execute setting such as notifications of the application.
 - Flick information and notifications to the left or right to delete the information and notifications.
 - Touch and hold ongoing information and notifications, you can block and set notifications of applications.
- ⑤ Select apps for which you want to receive notification settings.
- ⑥ Settings menu screen appears.
- ⑦ Clear notification information.

- ⑧ Network operator currently connected is shown.
 - Slide up to close the Notification panel.
- ⑨ Set display brightness.



- ◎ You may not be able to clear certain types of notification information.

Notification LED

When the screen turns off, by lighting/flashing of notification LED, promote the charge, inform the state of charging and notifications of receive mail and missed calls.

Operations	Description
Lights red	Charging battery
Lights green	Charging completed
Blinks red	Battery level is low
Blinks purple	Notifications such as New +メッセージ (plus message)/SMS exist
Blinks green (Approx. 5 sec. interval)	Notifications such as missed calls exist
Blinks blue (Approx. 5 sec. interval)	Notifications such as new mails, etc. exist
Blinks blue (Approx. 0.5 sec. interval)	Recording with voice recorder
Lights alternately in blue and light blue	Turning on to activate/turning off to shut down

* If a notification exists while charging, operation for a notification is given priority.

Basic operations

The following describes operations frequently used with this product.

Selecting item

To select displayed item or icon, tap the screen directly.

Displaying menu

There are a few methods to display a menu, by tapping "⋮" or by touching and holding an entry field or item.

Switch setting

When checkbox, radio button or ON/OFF switch appears at side of setting item, tap check box, radio button or ON/OFF switch to switch the ON/OFF of the setting.

Icon	Description
<input checked="" type="checkbox"/> / <input type="checkbox"/> / <input type="checkbox"/>	Setting is ON.
<input type="radio"/> / <input type="radio"/> / <input type="radio"/>	Setting is OFF.

Using the Edge screen

By using the Edge screen, you can access quickly the applications, contacts which you used frequently and display the information such as news.

In addition, the Edge screen informs with lighting, while incoming calls and e-mail receiving.

To set the Edge screen, on the Applications screen, [Settings] → [Display] → [Edge screen].

Edge panels

The panel which can register the applications or contacts used frequently are prepared on the Edge screen.

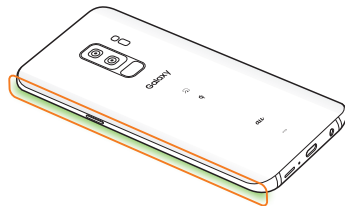
You can access them quickly by displaying the panel from the Edge screen.



■ Edge lighting

If you turn on Edge lighting, when a notification is received, the Edge screen lights up.

Also, when the call is received with the screen is off and the terminal is face down, the Edge screen lights up.



Character entry

To entry character, use the software keyboard.

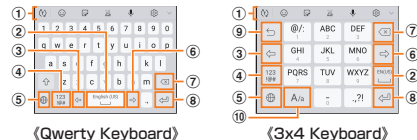
The software keyboard is displayed by tapping the input field on the character input screen such as registering a contact or creating a mail.

* The operation in this chapter is based on the Galaxy keyboard (English(US)). On the Galaxy keyboard (Japanese), buttons on the screen, operating procedures, etc. may be different.

Entering with Galaxy keyboard

In Galaxy keyboard, you can use 3 types of keyboards: "Qwerty keyboard", "3x4 no flick Keyboard" and "3x4 flick Keyboard".

- Qwerty Keyboard : it is a keyboard similar to the one of PC.
- 3x4 Keyboard : it is a keyboard similar to a general mobile phone keyboard. Tap a key assigned character you want to enter several times until the target character is entered. In "3x4 flick Keyboard", entering candidates for flick input appears when you touch and hold a key. Flick to the direction of character to enter.



(Qwerty Keyboard)

(3x4 Keyboard)

- 1 The keyboard addition function is displayed.
- 2 Enter a space.
- 3 Moves cursor left.
- 4 The Number/Symbol list is displayed.
- 5 Switch Japanese/English input mode.
- 6 Moves cursor right.

- 7 Delete characters or symbols to the left of the cursor.
- 8 The key corresponding to the operation state and the input field being selected is displayed. You can operate with the key to confirm the entered characters, move to the next line, move to the next input field and so on.
- 9 Switch an unconfirmed character to the one in reverse order of when you tap the key (Does not switch when using flick input.).
- 10 Switch upper/lower case.

Making a call

- 1 On the home screen, [Dial]
 - If the phone number entry screen does not appear, tap "●".
- 2 Enter a phone number of the other party
- 3 [📞]
- 4 To end the call, [📞]

Emergency call location notification

If you make an emergency call to the police, fire station or Regional Coast Guard Headquarters, your current location (GPS information) will be transmitted to the agency receiving the emergency call.

- Use au's VoLTE (LTE network) to connect to Japanese emergency services. You cannot use 3G (call switching network) to connect to emergency services.
- In this section, the police (110), fire station (119) and Regional Coast Guard Headquarters (118) are collectively referred to as the emergency call receiving agency.
- This feature may not yet be available at some emergency call receiving agencies.
- If you add "184" before the emergency call number 110/119/118, the emergency call receiving agency will not be notified of your location and phone number.
- In places where signal reception from GPS satellites or a base station is relatively poor, such as in an underground mall, inside a building or behind a tall building, the emergency call receiving agency may be notified of some other place different from your actual location.
- When GPS cannot be used to notify of your location, base station signal is used instead.

- When making an emergency call to the police, fire station or Regional Coast Guard Headquarters, always confirm where you are, and tell them your exact location on the phone. Note that depending on the area where you are calling, your call may not be connected to the agency having jurisdiction over that area.
- If the emergency call receiving agency determines that human lives and health are in danger, they will be able to acquire the caller's location information during the call or within a certain period of time after the call.
- If you make an emergency call with call reject set, the call reject setting is automatically turned off so that the emergency services can contact you.
- If you insert a SIM card other than the au IC card, you may not be able to make an emergency call to 110 (police), 119 (fire and ambulance), and 118 (coast guard).
- You may not be able to make an emergency call on some networks.

Calling from the contacts



- 1 On the Applications screen, [Contacts] → tap a contact to call
- 2 [Call]

Calling overseas (au International Call Service)


You can make international calls without any special procedure from the product.

- 1 On the home screen, [Dial]
- 2 Enter an access code, country code, area code and the phone number of the other party → [📞]
* If the area code starts with "0", dial it without including the "0". (There are some exceptions such as Italy).

Receiving a call

- 1 Drag/slide  out of the circle
When the "Incoming call" pop-up screen appears, tap "ANSWER".
- 2 To end the call, []

Rejecting a call

- 1 Drag/slide  out of the circle
 - When the "Incoming call" pop-up screen appears, tap "DECLINE".

Using answering message

- 1 While receiving an incoming call, slide "SEND MESSAGE" up
 - When the "Incoming call" pop-up screen appears, tap "SEND MESSAGE".
- 2 [Answering message]

Checking your phone number

- 1 On the Applications screen, [Settings] → [About phone]

- Your phone number is shown in the "My phone number" field.

Setting the Silent mode

If you enable "Silent mode (Mute, Vibrate)", the terminal will not become an inconvenience to the surroundings in a public place.

- In the terminal, sounds (shutter sound, video sound, music sound, etc.) are not muted even when silent mode (Mute, Vibrate) is set.

- 1 Open notification panel

- 2 Tap [🔊] and set [🔇] or [🔊]

Setting the Airplane mode

If you enable "Airplane mode", wireless functions (call, data communication, wireless LAN(Wi-Fi[®]), Bluetooth[®]) turn off.

- 1 Open notification panel

- 2 [✈️] → [OK]

Appendix

Updating Software

Updating to the latest software delivers the best performance and gets the latest enhanced functions.

- You are charged for data communication when connecting to the Internet from the product by using data communication. OS updates will especially use a large amount of data. au recommends that you update software using a Wi-Fi® connection.
- When a software update is necessary, you will be informed on the au homepage, etc. For details, contact the au shop or Customer Service Center (157/Toll-free). Customers using a Galaxy S9+ requiring a software update may be sent a notification from au so that the terminal can be used in optimum condition.
- You are recommended to back up your data before updating software.
- Be sure to fully charge the internal battery before use. Updating software may fail if the battery level is low or becomes low while updating.
- Check the radio wave condition. Updating software may fail in poor reception areas.
- If software update has failed or stopped, update the software again.
- If you fail to update software, it may become impossible to operate the product. If this happens, bring it to an au shop or PiPiIt (not accepted by some shops).
- The software update function may not be available overseas.
- Operations are not available during software update. Calls to 110 (Police), 119 (Fire department or ambulance service), 118 (Japan Coast Guard) and 157 (Customer Service Center) are also not available. Also, alarm, etc. cannot be used.

Downloading and updating software

Update files can be downloaded from the Internet web site via wireless communication into the product directly.

- 1** On the Applications screen, [Settings]
- 2** [Software update] → [Download updates manually]
- 3** [INSTALL NOW]

From here on, follow the onscreen instructions.

Troubleshooting

Before you assume that the product is malfunctioning, check the following items and perform "Troubleshooting diagnosis" in the "Repair and Delivery Service" app.

On the Applications screen, [auツール/サポート (au tool/support)] → [故障紛失サポート (Repair and Delivery Service)] → [トラブル診断 (Troubleshooting diagnosis)] (in Japanese only)

Or, check for possible remedies in "トラブル診断 (Troubleshooting diagnosis)" on the au website.
<https://www.au.com/trouble-check/> (in Japanese only)

After-sales service

■ When asking for repair

For repair, contact Repair and Delivery Service Center.

During the warranty period	Repairs will be done based on the terms of services of the free-of charge repair warranty described.
Outside the warranty period	We shall repair the product for a charge as requested by the customer if repair renders it usable.

- * The warranty is valid for one year from the day that you first buy the product.
- Before handing in the product for repair, make a backup of the contents of memory since they may disappear during repair. Note that the Company shall not be liable for any damages and loss of income should the contents of memory be altered or lost.
- Recycled parts that meet the Company's quality standards are sometimes used for repair.
- Collected au cell phones by Replacement mobile phone delivery service which you used before are recycled to cell phones for replacement after repairs. Also replaced parts by au after-sales service are collected and recycled by KDDI. They are not returned to customers.
- The product which is processed, remodeled, analyzed (including by modifying or analyzing the software (including by rooting etc.), reverse engineering, decompiling), or repaired by an unauthorized repair office is not covered by the warranty and repair may be refused.
- The battery in this product is not covered by the free-of-charge repairs warranty except in the case of a fault caused by a defect in the battery's materials or manufacture.
- Accessories such as SIM card removal tool (sample), AKG Tuning High-quality Earphone with Microphone (sample), SC TV Antenna Cable O4, Clear case (sample), Sample for data transfer (Micro USB cable (sample) and USB conversion adapter for OTG (sample)) are not covered by the free-of-charge repairs warranty.

■ Performance parts for repair

The Company retains performance parts for repair of the Galaxy S9+ main unit and its peripherals for four years after discontinuation of production. "Performance parts for repair" refers to parts required for maintaining the functions of the product.

■ Free-of-charge repair warranty

1. When you contact the repairs help desk, have the serial number (IMEI number) ready. You can find the serial number (IMEI number) on this product or on a sticker attached to the box this product is sold in.
2. If this device malfunctions during the warranty period and during normal use that follows the precautions listed in the instruction manual, au will repair the device for free.
3. Repairs will not be free of charge in the following cases, even during the warranty period. (Or repair may not be possible.)
 - ① If you did not follow the instruction manual and use the device correctly.
 - ② If the device broke or was damaged by unauthorized repairs or modifications.
 - ③ If you had the device repaired at a facility that is not an authorized repair facility as designated by au.
 - ④ If the device breaks or is damaged due to an accident or your own negligence when you are using or handing the device. Alternatively, there are indications that the device was dropped, got wet, damp, or the like.
 - ⑤ If the device breaks or is damaged due to natural disasters, such as earthquakes, wind and flood damage, fire, damage from salt, or abnormal voltage.
4. Depending on how damaged the device is, repair may not be possible.
5. The Company assumes no responsibility for any damages or losses due to faults with the device.
6. The Company assumes no responsibility if an accident occurs in the event that you connect a device that is not designed to be used with this device.
7. The company does not offer on-site repairs.
8. This warranty is valid only in Japan.

- * This warranty guarantees free repair based on the period and conditions listed above. Therefore, customers' legal rights against the issuer of this warranty and other business are not restricted by this warranty.

■ Repair and Delivery Service

An after-sales service membership program on a monthly basis called "Repair and Delivery Service" is available for using your au cell phone for a long time without worries. This service expands coverage for many troubles including malfunction, theft and loss.

<https://www.au.com/mobile/service/after-service/support-plus-lte/> (in Japanese only)

For details of this service, refer to au homepage or contact Repair and Delivery Service Center.

- You can apply for membership only at the time of purchasing your au cell phone.
- Once you cancel the membership, you cannot reapply for it until you purchase an au cell phone next time.
- Note that when changing the model or purchasing an extra cell phone, this service only covers the most recently purchased au cell phone.
- When an au cell phone is handed over to you or someone else, the "Repair and Delivery Service" membership is also handed over to the successor of the cell phone.
- When you get a new au cell phone by changing the model or purchasing an extra cell phone, the "Repair and Delivery Service Center" membership for the old au cell phone is automatically canceled.
- Service contents are subject to change without notice.

■ au IC card

The au IC card is lent to you by au. In case of loss or damage, the card will be replaced at your expense. When malfunction is suspected, or in case of theft or loss, contact an au shop or PiPit.

Related accessories

- SC TV Antenna Cable 04 (04SCHSA)
- TypeC Common AC Adapter 01 (0601PQA)^{*1}
TypeC Common AC Adapter 02 (0602PQA)^{*1}
- Common AC Adapter 05 (0501PWA)^{*1*2}
Common AC Adapter 03 (0301PQA)^{*1*2}
Common AC Adapter 03 Navy (0301PBA)^{*1*2}
Common AC Adapter 03 Green (0301PGA)^{*1*2}
Common AC Adapter 03 Pink (0301PPA)^{*1*2}
Common AC Adapter 03 Blue (0301PLA)^{*1*2}
AC Adapter JUPITRIS (White) (L02P001W)^{*1*2}
AC Adapter JUPITRIS (Red) (L02P001R)^{*1*2}
AC Adapter JUPITRIS (Blue) (L02P001L)^{*1*2}
AC Adapter JUPITRIS (Pink) (L02P001P)^{*1*2}
AC Adapter JUPITRIS (Champagne) (L02P001N)^{*1*2}
- microUSB cable 01 (0301HVA)^{*1*2}
microUSB cable 01 Navy (0301HBA)^{*1*2}
microUSB cable 01 Green (0301HGA)^{*1*2}
microUSB cable 01 Pink (0301HPA)^{*1*2}
microUSB cable 01 Blue (0301HLA)^{*1*2}
- Common DC Adapter 03 (0301PEA)^{*1*2}
- Wireless Charging Pad 01 (0101PUA)^{*1}
Wireless Charging Pad 02 (0102PUA)^{*1}
- Portable Charger 02 (0301PFA)^{*1*2}
- Micro-B Type-C Adapter (0601PHA)^{*1}

*1 Sold separately.

*2 To use this accessory, a Micro-B Type-C Adapter (sold separately) is required.



- ◎ The product may not be fully charged with Portable charger 02 (sold separately).
- ◎ You can purchase accessories from au online shop. <http://onlineshop.au.com> (in Japanese only)

Main specifications

■ Galaxy S9+

Display	Approx. 6.2 inches Approx. 16,777,216 colors (Organic EL (Super AMOLED)) QHD+ (2960×1440 dots)	
Weight	Approx. 187 g	
Dimension (W × H × T)	Approx. 74 mm×158 mm×8.5 mm (Thickest part: 8.9 mm)	
CPU	SDM845	
Storage (ROM/RAM)	ROM : 64 GB RAM : 6 GB	
Continuous stand-by time ^{*1}	In Japan	Approx. 430 hours
	Overseas (GSM)	Approx. 520 hours
Continuous call time ^{*1}	In Japan	Approx. 2330 min.
	Overseas (GSM)	Approx. 860 min.
Continuous tethering time	Approx. 1030 min.	
Maximum number of Wi-Fi® tethering connection devices	Up to 10 devices	
Charging time	TypeC Common AC Adapter 01 (sold separately) Approx. 110 min. TypeC Common AC Adapter 02 (sold separately) Approx. 110 min. Common DC Adapter 03 (sold separately) ^{*2} Approx. 640 min. Wireless Charging Pad 02 (sold separately) Approx. 220 min.	

Camera	Image pickup device	CMOS
	Effective pixels	Out-camera: Approx. 12,200,000 pixels + Approx. 12,200,000 pixels In-camera: Approx. 8,000,000 pixels
Wireless LAN (Wi-Fi®)		IEEE802.11a/b/g/n/ac-compliant*3
Bluetooth® function	Version	Bluetooth® standard Ver. 5.0
	Output	Bluetooth® standard Power Class 1
	Communication distance*4	Within 10 m with no obstacles in the range
	Compatible profiles*5	GATT (Generic Attribute Profile) OPP (Object Push Profile) HSP (Headset Profile) HFP (Hands-Free Profile) A2DP (Advanced Audio Distribution Profile) AVRCP (Audio/Video Remote Control Profile) SPP (Serial Port Profile) apt-x SCMS-T PBAP (Phone Book Access Profile) HID (Human Interface Device Profile) PAN (Personal Area Networking Profile) PAN-NAP PAN-U DUN (Dial-up Networking Profile)*6 SAP (SIM Access Profile) DI (Device Identification Profile) HOGP (HID over GATT Profile)
	Frequency bands	2.4 GHz band (2.402 GHz to 2.480 GHz)

1Seg/ Full Seg continuous watching time	1Seg	Approx. 880 min.
	Full Seg	Approx. 750 min.

*1 The continuous call time and continuous stand-by time may drop to less than half depending on the battery charging status, usage environment such as temperature, reception condition at the location where the product is used, and the function settings.

*2 To use this accessory, a Micro-B Type-C Adapter (sold separately) is required.

*3 2.4 GHz and 5 GHz are supported for IEEE 802.11n.

*4 Changes according to objects obstructing devices and signal reception.

*5 Specifications provided in Bluetooth® standards for making communication between Bluetooth®-compatible devices in accordance with their intended use.

*6 This application supports part of car navigations. For details, refer to the au homepage.

■ SC TV Antenna Cable O4

Size	Length Approx. 130 ± 10 mm
Weight	Approx. 4.75 ± 5% g

- Please note that the specifications and exterior may change without prior notice for improvements.

Specific Absorption Rate (SAR) of cell phones

This model Galaxy S9+ mobile phone complies with Japanese technical regulations and international guidelines regarding exposure to radio waves.

This mobile phone has been designed in observance of the Japanese technical regulations regarding exposure to radio waves⁽¹⁾ and limits to exposure to radio waves recommended by equivalent international guidelines. These international guidelines were 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 Japanese technical regulations and international guidelines define the limits using a unit of measurement known as the Specific Absorption Rate (SAR), which represents the average amount of radio frequency energy absorbed by the human head. The SAR limit for mobile phones is 2.0 W/kg. The highest SAR value for this model handset when tested for use at the ear is 0.788 W/kg⁽²⁾ and when worn on the body is 0.970 W/kg⁽²⁾. There may be slight differences in SAR levels among individual products, but they all satisfy the limit.

The actual SAR of this mobile phone while talking on the phone can be well below that indicated above. This is due to automatic changes in the power level of the mobile phone to ensure it only outputs the minimum power required to communicate with a base station. Therefore in general, the closer you are to a base station, the lower the power output of the mobile phone.

This mobile phone can be used in positions other than against your ear. Use an accessory such as a carrying case, etc. so that you can hold the product at least 1.5 cm away from your body and also do not contain metal parts between the product and your body. By doing this, this mobile phone complies with Japanese technical regulations and international guidelines regarding exposure to radio waves. The World Health Organization has stated that present scientific information does not indicate that use of mobile devices has any harmful effects on the human body. They recommend that if you are still worried about your exposure then you can limit your talk time or use a handsfree kit to keep the mobile phone away from your head and body. If you would like to know more detailed information, please refer to the WHO website.

http://www.who.int/docstore/peh-emf/publications/facts_press/fact_english.htm

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

*2 This includes other radio systems that can be used simultaneously.

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

- Ministry of Internal Affairs and Communications website:
<http://www.tele.soumu.go.jp/e/sys/ele/index.htm>
- Association of Radio Industries and Businesses website:
<http://www.arib-emf.org/01denpa/denpa02-02.html> (in Japanese only)
- Galaxy homepage:
<http://www.samsung.com/sar/sarMain.do>
- au homepage:
<https://www.au.com/english>

FCC RF exposure information

This product has been certified of Federal Communications Consortium (FCC).

FCC ID of this product is A3LSCV39.

In addition, you can also be found in the following way.

How to confirm:

On the Applications screen, [Settings] → [About phone] → [Status] → FCC certification

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