au

AQUOS *K*

SHF31

Basic Manual

Preface

Thank you for buying the "AQUOS SHL31" (simply called the "SHL31" or the "product" from here on).

Before using the product, be sure to read the "Basic Manual" (this manual) and "Setting Guide" available on the au homepage to ensure correct use. After you have finished reading the manuals, be sure to keep them accessible and store the printed manuals ("取扱説明書" (Basic Manual) and "設定ガイド" (Setting Guide)) (Accessories) in safe places so that you can refer to them whenever you need them. If you lose the printed manuals (Accessories), contact an au shop or Customer Service Center.

Operating Instructions

■ "取扱説明書" (Basic Manual) and "設定ガイド" (Setting Guide)

The "Basic Manual" (this manual) and "Setting Guide" available on the au homepage describe basic operations of major functions. Initial settings, charging, and other preparations before using the product for the first time are explained in the "Setting Guide".

For detailed descriptions of various functions, refer to the "Full Instruction Manual" (Japanese) available on the au homepage:

http://www.au.kddi.com/english/support/manual/

Safety Precautions

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, check for possible remedies in the following au Customer Support site of au homepage:

http://www.au.kddi.com/english/support/

When Using the Product

- Communication is not possible even inside the service area in places where the signal does not reach (e.g. tunnels and basements). Also, communication may not be possible in poor reception areas. Communication may be 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 the LTE/CDMA/GSM/UMTS system has highly secure confidential communication features.)
- The product is compatible with the international roaming service. Each network service varies depending on the area and service content.
  For details, refer to "auのネットワークサービス・海外利用" (au Network Services/International Roaming) described in "Full Instruction Manual" (Japanese) available on the au homepage.
- Since the 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.
- The product initiates data transmission regularly to obtain information required for the product to operate including the time. Communication charges are incurred separately.
- Take care not to inconvenience people around you when you use the product in a public place.
- If you are using the product overseas, check the relevant laws and regulations of the country/region you visit.
- When the product is used by a child, parents or guardians should thoroughly read the "Basic Manual" (this manual) or "Setting Guide"/"Full Instruction Manual" (Japanese) available on the au homepage and teach the child how to use it.

Cell Phone Etiquette

■ Use of cell phones 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.
- Since using the product on airplanes is restricted, follow the instructions given by the respective airlines.

■ Be considerate of where you use the cell phone and how loudly you talk!

- Do not make calls in theaters, museums, libraries, and other similar places. Turn power off or turn on manner mode so as not to disturb others around you with your ringtones.
- Do not use the cell phone outside in town where you might hinder other pedestrians.
- Viewing a cell phone screen while walking is a serious hazard. Do not suddenly stop to talk on/operate the cell phone or do so while walking.
- Move to areas where you will not inconvenience others on bullet trains, in hotel lobbies, etc.
- Refrain from talking in a loud voice.
- Obtain the permission of other people before you take their photos with the cell phone's camera.

■ Be considerate of people around you!

- Some people close to you in crowded places such as packed trains may be using a cardiac pacemaker. Turn on "Airplane mode" or turn the cell phone off in such places.
- Abide by the rules of hospitals and other medical institutions where it is forbidden to use or carry cell phones.

List of Packaged Items

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

SHF31
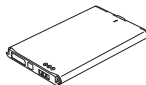
Battery Pack (SHF31UAA)

Warranty (Japanese)

- 取扱説明書 (Basic Manual) (Japanese) (This manual)
- 設定ガイド (Setting Guide) (Japanese)

The following items are not included in the package.

- Desktop holder
- microSD memory card
- AC adapter
- Earphone
- microUSB 3.5mm conversion cable
- microUSB cable

- Purchase a specified charger (sold separately).
- Illustrations of cell phones in this manual are only for reference. They may look different from the actual product.

Illustrations and Descriptions in This Manual

■ Note on Key Illustrations

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

```
Pressing ⓐ or ⓠ ...............ⓢ
Pressing ⓒ or ⓡ ...............ⓢ
Pressing ⓐ, ⓠ, ⓒ, or ⓡ ...ⓢ
```
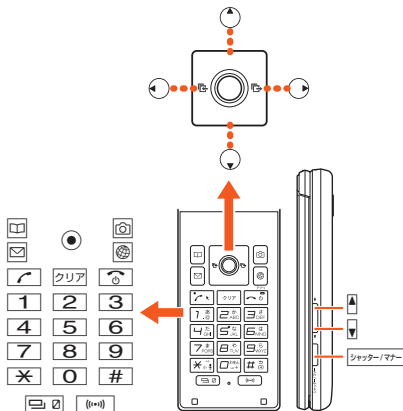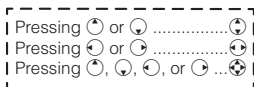

■ Description of Operations for Selecting Item/Icon/Key etc.

In this manual, descriptions enclosed in [ ] abbreviate the steps for selecting an item/icon/onscreen button/etc. in the ⓢ or ⓢ menu and then pressing ⓞ (OK/Check/Set/Commit/Done).

Example: Editing address book contacts

1 **When the standby screen is displayed, press ▭ → Select contact to edit → ▭ (Submenu) → [Edit].**
Indicates to select "Edit" with ⓢ and commit with ⓞ.
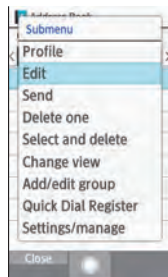
◎ For details on key operation, refer to "Learn Basic Key Operations" (▶P.44).

■ Notes on Screenshots

The screenshots in this manual are simplified and may look different from the actual screens. Also, part of the screen may be omitted.

In this manual, part of the screen such as icons are omitted.
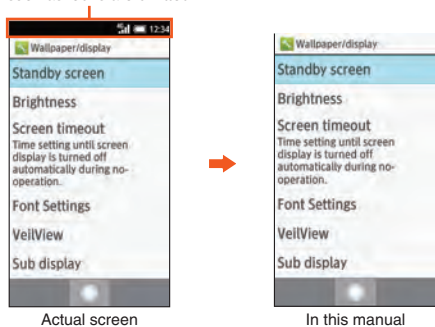
Actual screen

In this manual

◎ In this manual, keys, screenshots, and icons are described based on default settings of the product with the body color "red". However, actual keys, screenshots, and icons may differ or be partially omitted.

◎ Content at the bottom of the screen that can be operated by pressing ⦿, 🔳, 🔲, 🔲, or 🔲 are indicated in parentheses, such as 🔳 (Submenu).

* However, ⦿ (OK), ⦿ (Check), ⦿ (Set), ⦿ (Commit), and ⦿ (Done) are abbreviated as ⦿ only.

◎ Menu items, layers and icons described in this manual may be different according to functions being used and conditions.

◎ In this manual, "microSD™ memory card (commercially available)" and "microSDHC™ memory card (commercially available)" are abbreviated as "microSD memory card" or "microSD".

◎ All of the indicated amounts exclude tax unless otherwise specified.

Using au Disaster Countermeasure Application

au Disaster Countermeasure is an application in which you can use Disaster Message Board, Emergency Rapid Mail (Earthquake Early Warning, Disaster and Evacuation Information, and Tsunami Warning), Disaster Voice Messaging Service and Disaster Information.

1 When the standby screen is displayed, press ⊙ → [Service] → [au災害対策] (au Disaster Countermeasure).

The au Disaster Countermeasure menu is displayed.

If terms of use or an initial settings screen is displayed, check the contents and follow the on-screen instructions.

■ Using Disaster Message Board

Disaster Message Board is a service to enable customers in disaster areas to register their safety information via LTE NET when large-scale disasters, such as an earthquake whose Japan seismic scale is approximately 6-lower or more, occur. The registered safety information can be checked by customers using au phones, and also from other carriers' cell phones, PCs, etc.

For details, refer to "Disaster Message Board Service" on the au homepage.

1 From the au Disaster Countermeasure menu, [災害用伝言板] (Disaster Message Board).

Follow the on-screen instructions for registration/confirmation.

◎ To register the safety information, an e-mail address (~ezweb.ne.jp) is required. Set the e-mail address in advance.

◎ Deletion of the safety information and configurations for Safety Notification Mail are not available during wireless LAN (Wi-Fi®) connection.

◎ The Company does not guarantee the quality of this service. The Company, regardless of the cause, shall not be liable for any problems related to registration of safety information due to the concentration of access to this service or equipment errors, any loss due to the damage, ruination, etc. of safety information or any loss arising from registered safety information.

■ Using Emergency Rapid Mail

Emergency Rapid Mail is a service to collectively deliver Earthquake Early Warning and Tsunami Warning provided by the Japan Meteorological Agency, and Disaster and Evacuation Information provided by the national government or the local governments to au phones in the specified areas.

• At the time of purchase, receiving setting of Emergency Rapid Mail (Earthquake Early Warning, and Disaster and Evacuation Information) is set to "受信する" (Receive). You can receive Tsunami Warning by setting 災害・避難情報 (Disaster and Evacuation Information).

When receiving Earthquake Early Warning, secure your safety and act composedly according to the surrounding situations.

When receiving Tsunami Warning, leave sea coasts immediately and evacuate to safe places such as hills and strongly-built tall buildings.

1 From the au Disaster Countermeasure menu, [緊急速報メール] (Emergency Rapid Mail).

The inbox is displayed.

Select a mail to check to display the details of the mail.

削除 (Delete)	Delete received mails.

設定 (Settings)	緊急地震速報 (Earthquake Early Warning)
	• 受信設定 (Receive settings) Set whether to receive Earthquake Early Warning. ・[受信する] (Receive)/[受信しない] (Not receive). • 音量 (Volume) Set the volume of the receiving sound. • マナー時の鳴動 (Linkage to the manner mode) Set whether to make the product ring at the time of reception while the manner mode is applied. • バイブ (Vibrator) Set whether to activate the vibrator at the time of reception.
	災害・避難情報 (Disaster and Evacuation Information)
	• 受信設定 (Receive settings) Set whether to receive Disaster and Evacuation Information, and Tsunami Warning. ・[受信する] (Receive)/[受信しない] (Not receive). • 音量 (Volume) Set the volume of the receiving sound. • マナー時の鳴動 (Linkage to the manner mode) Set whether to make the product ring at the time of reception while the manner mode is applied. • バイブ (Vibrator) Set whether to activate the vibrator at the time of reception.

◎ This service is available only in Japan (Not available overseas).
◎ Emergency Rapid Mail is free of both information charges and communication charges.

◎ Emergency Rapid Mail cannot be received while the power is turned off or during a call.
◎ Emergency Rapid Mail may not be received during communication such as while sending and receiving e-mails/SMSs and while using the browser or when you are in a place where the signal cannot be received (e.g. tunnels and basements) or the signal is weak, even within the service area.
◎ Emergency Rapid Mail which failed to be received will not be able to be received again.
◎ When you receive Emergency Rapid Mail, you will be notified by the dedicated alarm tone and the vibrator. The alarm tone cannot be changed.
　* When you receive Earthquake Early Warning, you will be notified by the alarm tone, voice ("地震です" (Jishin-desu)) meaning that an earthquake has occurred and the vibrator.
◎ Information intended for the areas of other than your present location may be received.
◎ As for this service, the Company shall not be liable for any damage incurred on the users resulted from failure or delay of information delivery due to communication disturbance or system failure, contents of the information or other problems that are not supposed to be blamed on the Company.
◎ For details on Earthquake Early Warning and Tsunami Warning provided by the Japan Meteorological Agency, refer to the agency's homepage.
http://www.jma.go.jp/jma/indexe.html

Earthquake Early Warning

◎ Earthquake Early Warning notifies areas where a strong shaking (Japan seismic scale 4 or more) is expected when an earthquake whose maximum Japan seismic scale is predicted of 5-lower or more has been detected.

◎ This service detects an earthquake (P-wave, preliminary tremors) near the seismic center immediately after the earthquake occurs and automatically calculates its location, scale and predicted strength of the shaking. After that, you will be notified of the earthquake as soon as possible within a few seconds to dozens of seconds before a strong shaking from the earthquake (S-wave, principal shock) occurs.

◎ In the vicinity of the seismic center, a strong shaking may reach you before Earthquake Early Warning.

◎ The Earthquake Early Warning distribution system provided by this service is different from that provided by TV, radio and other communication media and thus the arriving time of Earthquake Early Warning may be different among those media.

Tsunami Warning

◎ Tsunami Warning notifies areas including target sea coasts of Major Tsunami Warning and Tsunami Warning provided by the Japan Meteorological Agency.

Disaster and Evacuation Information

◎ Disaster and Evacuation Information notifies information related to the safety of citizens, such as evacuation advisories, evacuation orders or various alarms delivered by the national government or the local governments.

■ Using Disaster Voice Messaging Service

Disaster Voice Messaging Service is a service to record voices with a cell phone and deliver them as a voice message to people to whom you want to deliver the information that you are safe when large-scale disasters occur.

1 **From the au Disaster Countermeasure menu, [災害用音声お届けサービス] (Disaster Voice Messaging Service).**

Follow the on-screen instructions.

■ Sending voices (Send)

Tap "声をお届け" (Send voices) and then "あて先入力"* (Enter recipient) → "声を録音" (Record voices to send).

* You can also select to whom to send your voices from the address book.

■ Receiving voices (Receive)

You will be notified via a pop-up screen or an SMS that a voice message has been received. You can listen to the message by receiving (downloading) and playing the voice message.

• If the recipient's cell phone does not have an au災害対策 (au Disaster Countermeasure) application activated that supports 災害用音声お届けサービス (Disaster Voice Messaging Service), SMS is sent instead.

• If the receivers are notified via an SMS, the information will not be saved in the au Disaster Countermeasure application.

◎ To use this service via Wi-Fi®, making initial settings via 4G (LTE)/3G networks is required.

◎ Voice messages can be recorded for up to 30 seconds.

◎ Voice messages can be exchanged among au phones as well as other carriers' cell phones and PHS devices.

◎ Voices may not be heard when the media sound volume is set to low.

◎ When no free space is left on the internal memory, voice messages may not be saved or played.

◎ Some cell phones cannot receive voice messages. For details, refer to the au homepage.

■ Using Disaster Information

You can check the histories of Disaster and Evacuation Information delivered by the local governments, Disaster Information portal, etc.

1 **From the au Disaster Countermeasure menu, [災害情報] (Disaster Information).**

Select an item to check.

Contents

Contents

7

Exemptions

- 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 operation 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. It is recommended that you keep a copy of important phone numbers etc.
- The Company is not liable for any damages arising from failure to observe the described content of 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.
- * "The Company" as appears in this manual refers to the following companies:
  Sold by: KDDI CORPORATION, OKINAWA CELLULAR TELEPHONE COMPANY
  Manufactured by: SHARP CORPORATION

◎ 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.
◎ 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 the product, thoroughly read these safety precautions for proper use. After reading, store the precautions in a safe place.**

These "Safety Precautions" describe instructions that should be observed to prevent damage to property or injury to the customer or others using the product.

These instructions are divided into the following categories.

■ **Explanation of Indications Used in This Manual**

⚠ DANGER	This symbol indicates the potential and imminent danger of death or serious injury[*1] to a person.
⚠ WARNING	This symbol indicates the possibility of death or serious injury[*1] to a person.
⚠ CAUTION	This symbol indicates the possibility of personal minor injury[*2] to a person or physical damage[*3].

*1 Serious injury: This refers to loss of sight, injury, burns (high- and low-temperature), electric shock, broken bones, injuries with residual aftereffects from poisoning, etc., and injuries requiring hospital admission for treatment or long-term hospital attendance as an outpatient.
*2 Minor injury: This refers to injuries, burns (high- and low-temperature), electric shock, etc. that do not require hospital admission for treatment or long-term hospital attendance as an outpatient.
*3 Physical damage: This refers to extended damage to buildings, furniture, livestock or pets.

■ Explanation of Graphic Symbols Used in This Manual

⊘ Prohibited	Indicates an action that is not allowed.	(Wetting with water prohibited)	Indicates that use in a place where the product is likely to get wet or allowing the product to get wet is not allowed.
Wet hands prohibited	Indicates that handling with wet hands is not allowed.	❗ Instruction	Indicates an action that must be done.
Disassembly prohibited	Indicates that disassembly is not allowed.	Disconnect plug from power outlet	Indicates that the power plug must be disconnected from the power outlet.

■ Precautions Common to the Main Unit, battery pack, back cover, Charger, au Nano IC Card (LTE), Peripheral Devices

⚠ DANGER	**Be sure to read the following hazards before use.**

❗ Instruction	Be sure to use only the specified peripheral devices. Use of other peripheral devices might cause overheating, ignition, rupture, fault, or leakage of liquid.
⊘ Prohibited	Do not use, store or leave the product in hot places (e.g. by the fire, near a heater, under a kotatsu, in direct sunlight, in a car in the hot sun). Doing so might cause ignition, rupture, fault, fire or injury.
❗ Instruction	Before entering an area where flammable gas is generated such as a gas station, be sure to turn off the product. Do not charge the battery. Failure to observe these precautions might cause the gas to catch fire. In addition, when using Osaifu-Keitai® payment function at a gas station, be sure to turn off the power in advance. (If Osaifu-Keitai® has been locked, cancel the lock before turning off the power.)
⊘ Prohibited	Do not put the product in a cooking apparatus such as microwave oven or a pressure vessel. Doing so might cause leakage of liquid, ignition, rupture, fault, fire or injury.
⊘ Prohibited	Do not throw the product into a fire or heat it. Doing so might cause ignition, rupture or fire.

Do not short-circuit the charger terminal and external connection jack. Do not allow conductive foreign objects (metal fragments, pencil leads, etc.) to come into contact with or get inside a jack. Doing so might cause a fire, burns, a fault due to heat generation.

Prohibited

When using a metal accessory etc., do not allow the metal part to come in contact with the connection jack or power outlet. Doing so might cause electric shock, ignition, injury or a fault.

Prohibited

Do not expose the camera lens to direct sunlight for an extended period. Doing so might cause ignition, rupture or fire by the light-collecting mechanism of the lens.

Prohibited

The customer is not allowed to disassemble, modify or repair the product. Doing so might cause a fault, ignition, electric shock, or injury. The Company is not liable even in the event of any nonconformities arising on the product or peripheral devices as a result of modification, etc. Modification of the product is in violation of the Radio Law.

Disassembly prohibited

⚠ **WARNING** **Be sure to read the following warnings before use.**

Do not drop or subject to strong impact, such as throwing. Doing so might cause rupture, overheating, ignition or a fault.

Prohibited

Do not use outside when you can hear thunder. Doing so might risk lightning strikes and electric shock.

Prohibited

Do not let your hands, fingers and other parts of the body touch the charger terminal or external connection jack. Doing so might cause electric shock, injury or a fault.

Prohibited

If the product is damaged because it is dropped, etc. and its display is cracked or internal parts are exposed, do not touch the cracked display or exposed parts. Doing so might cause electric shock or injury from damaged parts. Contact an au shop or Keitai Guarantee Service Center.

Prohibited

Never connect the microUSB plug when the product or specified charger (sold separately) is wet. While the product is water resistant, any water or foreign matter on the product or microUSB plug when inserting the microUSB plug while wet might cause electric shock or short circuit/corrosion causing abnormal overheating, burnout, fire, burns, or a fault.

Prohibited

Although the product has waterproof capability, do not use if liquid such as water gets inside the product from a gap in the back cover, etc. Continued use of the product in this state might cause overheating, ignition or a fault.

Wetting with water prohibited

When removing the back cover, do not apply excessive force. Doing so might cause the battery pack to fly out, causing injury or malfunction.

Prohibited

If charging is not completed after the specified charging time, stop charging. Failure to do so might cause leakage of liquid, overheating, rupture or ignition.

Instruction

Do not leave in places within the reach of small children. Small children might swallow part of the equipment by mistake and choke on them, or might drop them by mistake and cause accidents or injury.

Prohibited

⚠️ **CAUTION** **Be sure to read the following cautions before use.**

🚫 Prohibited
Do not store 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 cause overheating, ignition, deformation or a fault.

🚫 Prohibited
Do not leave on unstable places such as rocky stands or tilting surfaces especially while the vibration mode is set. Dropping the product may cause injury or damage. Also, pay sufficient attention to impact, etc.

🚫 Prohibited
Do not cover or wrap the product with cloth, bedding, etc. while using or charging the product. Doing so might cause fire, fault or injury.

🚫 Prohibited
Do not touch the product or specified chargers (sold separately) for a long time while charging. Doing so might cause low-temperature burns.

🚫 Prohibited
Do not use power outlets or wiring apparatus beyond its rating. Also, exceeding rating, for example, by connecting multiple devices to a single power strip might cause overheating and fire.

🚫 Prohibited
Do not leave or store the product with its back cover removed. Doing so might allow dust or other foreign particles to enter and cause malfunction.

🚫 Prohibited
Do not use with the back cover removed.

🚫 Prohibited
Do not place near corrosive chemicals or in places where corrosive gas is generated. Doing so might cause a fault or loss of internal data.

❗ Instruction
Stop use if there is smoke, abnormal odor or noise, excessive overheating, or other abnormalities. During charging, disconnect the specified charger (sold separately) from the power outlet or the socket, make sure that the product is not overheating before turning the power off, remove the battery pack and contact an au shop or Keitai Guarantee Service Center. Also, if you have dropped or damaged the product, do not continue to use it in that state, and contact an au shop or Keitai Guarantee Service Center.

❗ Instruction
When inserting an earphone, etc. into the product, adjust the volume to the proper level. Setting too loud a volume or using the earphone continuously for a long period of time might adversely affect your ears. 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.

❗ Instruction
When adjusting the volume with an earphone, etc. inserted into the product, 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.

❗ Instruction
When using a charger or external device, insert/remove the connector straight to/from the jack. Inserting/removing in an incorrect orientation might cause damage or a fault.

Instruction
When small children use the equipment, have the guardian teach them the proper handling procedures so as to avoid potential dangerous situations. In addition, check that they are using the equipment as directed during use. Failure to do so might cause injury etc.

■ **Main Unit**

⚠ **WARNING** **Be sure to read the following warnings before use.**

Prohibited
Do not use a cell phone while driving a car or riding a motorbike or bicycle. Doing so 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.

Instruction
Follow the instructions given by the respective medical institution regarding the use of the product in a hospital.
Turn off the product in areas where the use of cell phones is prohibited.
Failure to do so might cause interference with the operation of electronic devices and electronic medical devices.

Instruction
Turn off the product or set it to Airplane mode before going aboard an airplane. Since using the product on airplanes is restricted, follow the instructions given by the respective airlines.
If you commit a prohibited act while using the product on an airplane, you might be punished by law.

Instruction
When using the product near an implanted pacemaker, implanted cardioverter-defibrillator or other electronic medical device, radio waves might affect these units and devices. So, please observe the following.
1. Those with an implanted pacemaker or implanted cardioverter-defibrillator should carry or use the product at least 15 cm away from where the implant is.
2. Change to Airplane mode on the product beforehand or turn the product off before entering a place where it may not be possible to maintain a distance of 15 cm, such as where movement is restricted, since there may be people with a cardiac pacemaker or implanted cardioverter-defibrillator nearby.
3. 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.
4. When using electronic medical devices other than an implanted pacemaker and implanted cardioverter-defibrillator outside a medical institution (e.g. home medical treatment), check individually with the manufacturer of the electronic medical device regarding the influence of radio waves.

Instruction
Stay alert to your surroundings when calling, messaging, browsing the Internet, shooting photos, watching TV(1Seg) or listening to music. Failure to do so might cause a fall or traffic accident.

Prohibited
Do not send data by infrared communication with the infrared port pointing toward eyes. Doing so might affect eyes. Also, sending data with the infrared port pointing toward some other infrared device might cause false operation, etc.

🚫
Prohibited

Do not point the illuminated light directly at someone's eyes. Be especially careful not to shoot small children from a very close distance. Do not use Mobile light near people's faces.
Eyesight may be temporarily affected leading to accidents.

🚫
Prohibited

Do not light the mobile light toward a driver of a car, motorbike or bicycle. If dazzled by the light, the driver might become unable to drive and cause an accident.

❗
Instruction

Sometimes, very rarely some people demonstrate symptoms such as temporary muscle spasms, loss of consciousness, etc. by watching repeatedly flickering screens. Those with a past history of this should consult with a physician beforehand.

⚠ **CAUTION** **Be sure to read the following cautions before use.**

🚫
Prohibited

Use of the main unit in an automobile might sometimes affect on-vehicle electronic devices, though this rarely happens. If this happens, do not use since this may impair safe travel.

❗
Instruction

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.

The materials of parts used on the product are as follows.

■ **Main Unit (SHF31)**

Part	Material	Surface treatment
Outer case (operation key sheet)	PET	Acrylic UV cured coating

Part	Material	Surface treatment
Outer case (lower key circumference)	Glass fiber polyamide resin	Acrylic UV cured coating
Outer case (lower back)	Glass fiber PC+ABS resin	Acrylic coating
Outer case (main display frame)	Acrylic resin	Hard coating
Outer case (main display back)	Acrylic resin	Acrylic UV cured coating
Outer case (main display side/hinge side/tip)	Glass fiber polyamide resin	Acrylic UV cured coating
Main display	Acrylic resin	Hard coating
Sub display	Acrylic resin	Acrylic UV cured coating
Hinge stopper	POM resin	None
Hinge cover	PC+ABS resin	Acrylic UV cured coating
Hinge panel	Acrylic resin	Acrylic UV cured coating
Camera lens	Acrylic resin	Hard coating
Camera lens fringe	Aluminum	Dye anodized
Mobile light lens	PC resin	None
Infrared port cover	Acrylic resin	None
Center key	Acrylic resin	None
Cursor key	Acrylic resin	None
Key cosmetic (Cursor key, Address book key, etc.)	Acrylic resin	None
Address book key Camera key Mail key Browser/Apps key	Acrylic resin	None

Part	Material	Surface treatment
Call key Clear key Power/End call key Number keys	Acrylic resin	None
Recent Apps key Tethering key	Acrylic resin	None
Volume UP/DOWN key	PC resin	Acrylic UV cured coating
Shutter/Manner key	PC resin	Acrylic UV cured coating
Charger terminal	SUS	Gold plating
Back cover	Glass fiber PC rasin+Silicon	Acrylic UV cured coating
Connection jack	Copper alloy	All-surface Ni-base plating, Gold plating
Cushion pads	Silicon	None
au Nano IC Card (LTE) tray	POM resin	None
Magnetic sheet	Ferrite (mainly iron oxide)	PET film (polyethylene terephthalate)
External connection jack (metal exterior)	SUS	Tin plating
External connection jack (metal terminal reinforcement)	SUS	Tin plating
External connection jack (resin terminal portion)	Polyamide resin	None
External connection jack (terminal connection)	Corson alloy	Gold plating
Screw	SUS	None
Rubber seal	Silicon rubber	None
Back cover cushion	Urethane foam	None

■ **Battery Pack**

Part	Material	Surface treatment
Outer	PC resin+PET	None
Contacts	Copper alloy	Gold plating

🚫 Prohibited — Do not bring the product close to magnetized objects such as cash cards, floppy disks, credit cards, and prepaid cards. Doing so might result in loss of recorded information.

🚫 Prohibited — Do not allow liquids, metal objects, burnable items, and other foreign matter to get inside the microSD memory card slot. Doing so might cause fire, electric shock, a fault, or injury.

🚫 Prohibited — Do not swing the product around by holding the strap, etc. Doing so might cause an accident or damage.

❗ Instruction — If you have a weak heart, be careful when setting the ringtone vibration and incoming volume to prevent adverse effects on your heart.

❗ Instruction — Pay attention to items becoming stuck to the main unit. The speaker uses magnets, and so thumbtacks, pins, craft knife blades, staples, and other metal objects sometimes become stuck to the main unit, and cause unexpected injury.

🚫 Prohibited — Do not put the product directly on sand at a beach, etc. Sand or other small particles might get inside the earpiece, mouthpiece, speaker causing the volume to drop. If sand gets inside the product, it might cause overheating or a fault.

Safety Precautions

Instruction The product may become hot by prolonged use especially in high-temperature environment. Be careful when using the product touching your skin for a long time, as it might cause low-temperature burns.

Prohibited When using the product for calling or data communication, do not keep the product in direct contact with your skin for a prolonged period, or do not cover the product with paper, cloth, bedding, etc. The product might get hot, causing fire, injury or a fault.

■ Battery Pack

Li-ion00

(The battery pack of the product is a lithium-ion battery.)
The battery pack is not fully charged at the time of purchase. Charge the battery before using the product.

⚠ **DANGER** **Be sure to read the following hazards before use.**

Prohibited Do not short-circuit the plus (+) and minus (-) terminals on the battery pack.

Prohibited Do not fail to connect the battery pack to the product in the correct orientation. Connecting in an incorrect orientation might cause rupture, fire or overheating. Do not try to forcibly connect the battery pack, instead thoroughly check the contact terminal before connection.

Prohibited Do not puncture the battery pack with a nail, hit it with a hammer or step on it. Doing so might cause ignition, overheating, rupture or damage.

Prohibited Do not allow metal objects (such as necklaces and hairpins) to come in contact with the contact terminal when carrying or storing the battery pack. Short-circuiting might cause overheating, ignition, fire, leakage, or malfunction.

Disassembly prohibited Do not disassemble, modify or directly solder the battery pack. Doing so might cause battery fluid to spurt, causing blindness if entering eyes, etc. or causing overheating, ignition, rupture, or injury.

Prohibited Do not use a battery pack that has been dropped, stepped on, damaged, or that is leaking battery fluid. Doing so might cause overheating, ignition, leakage, malfunction, or injury. Immediately move the battery pack away from fire if you notice leakage of fluid or unusual odor. Failure to do so might cause the leaked fluid to catch fire resulting in ignition or rupture.

Wetting with water prohibited Do not wet the battery pack with water, seawater, pet urine, etc. A wet battery pack might cause overheating, rupture, ignition, malfunction, or injury. If you drop the product into water by mistake, immediately turn off the power, remove the battery pack, and contact an au shop or the Keitai Guarantee Service Center. Never charge a wet battery pack.

Instruction If the liquid leaking from inside gets on your skin or clothes, immediately rinse it off with water to avoid injury. If the liquid gets into your eyes, do not rub but wash your eyes with water, and immediately consult a doctor to avoid the risk of losing your eyesight.

The battery pack is a consumable item. If the performance of a battery pack does not recover (e.g. the usable time after each charge has become extremely short), the battery pack is at the end of service life, so stop use and buy a new one of the specified type. Failure to do so might cause overheating, ignition, rupture or leakage. Note that the length of service life varies depending on the usage condition, etc.

Instruction

Be careful not to let a pet bite the battery pack.
Letting it do so might cause leakage, overheating, rupture, ignition, fire, injury, etc.

Instruction

■ Charger

⚠ **WARNING**   **Be sure to read the following warnings before use.**

Do not use at other voltages than the specified power supply voltage. Doing so might cause ignition, fire, overheating, electric shock or injury.
• Specified AC adapter (sold separately): 100 V AC to 240 V AC
  Do not charge with voltage converter for overseas travel.
• Specified DC adapter (sold separately): 12/24 V DC (for negative grounded vehicles only)

Prohibited

Firmly insert the power plug of the specified charger (sold separately) into the power outlet or cigarette lighter socket down to the base of its pins. Incomplete insertion of the power plug might result in electric shock, overheating, ignition, fire, or injury. Do not use damaged specified charger (sold separately) or loose power outlets or cigarette lighter sockets.

Instruction

If the fuse in the common DC adapter 03 (sold separately) blows, replace it with a fuse of the specified type (250 V, 1 A). Replacing with a different type of fuse might cause overheating or ignition. (For information about fuse replacement, carefully read the manual for the common DC adapter 03 (sold separately).)

Instruction

Do not damage, modify, twist, pull or place a heavy object on the cable of the specified charger (sold separately). Do not use a damaged cable. Doing so might cause electric shock or short circuit causing fire, a fault, or injury.

Prohibited

Do not let your hands, fingers or other parts of your body touch the charger terminal. Doing so might cause electric shock, injury or malfunction.

Prohibited

If you hear thunder, do not touch the AC adapter. Doing so might cause an electric shock as a result of a lightning strike.

Prohibited

Before cleaning the specified charger (sold separately), unplug its power plug from the outlet or cigarette lighter socket. If the plug remains plugged in when you clean the charger, it might cause electric shock or short circuit causing fire, a fault, or injury.

Disconnect plug from power outlet

Wipe off dust on the power plug. Failure to do so might cause fire, burns or electric shock.

Instruction

Place the common DC adapter 03 (sold separately) where it does not hinder driving or safety equipment such as airbags. Failure to do so might cause a traffic accident. Place the common DC adapter 03 (sold separately) following the instructions of its manual.

Instruction

When the charger is not to be used for a long time, disconnect the charger's power plug from the power outlet or cigarette lighter socket. Failure to do so might cause fire or a fault.

Disconnect plug from power outlet

Specified chargers (sold separately) are not waterproof. Never use in places subject to direct splashing with water, pet urine, etc. or in humid places such as a bathroom. Doing so might cause overheating, fire, electric shock, or injury. In the event that a charger is splashed with liquid, immediately disconnect its power plug.

Wetting with water prohibited

Do not plug in or unplug the specified charger (sold separately) with wet hands. Doing so might cause electric shock, a fault, or injury.

Wet hands prohibited

Do not use the desktop holder (sold separately) inside a car. Doing so could hinder driving and cause an accident.

Prohibited

⚠ **CAUTION** **Be sure to read the following cautions before use.**

When unplugging the power plug of the specified charger (sold separately) from the outlet or cigarette lighter socket, hold the charger to do so. If you pull the cable, it might be damaged, causing overheating, ignition, electric shock, or injury.

Disconnect plug from power outlet

Do not leave the specified charger connected to the product with the battery pack removed. Doing so might cause ignition, electric shock, or injury.

Prohibited

18

■ au Nano IC Card (LTE)

⚠ WARNING **Be sure to read the following warnings before use.**

🚫 Prohibited
Do not put the au Nano IC Card (LTE) in a cooking apparatus such as a microwave oven or a pressure vessel. Doing so might cause melting, overheating, fuming, loss of data or a fault.

⚠ CAUTION **Be sure to read the following cautions before use.**

❗ Instruction
Be careful not to injure your hand or finger when attaching/removing the au Nano IC Card (LTE).

❗ Instruction
Use only the devices specified by the Company to insert the au Nano IC Card (LTE) in. Using a device not specified by the Company might cause loss of data or a fault. For the specified devices, contact an au shop or Customer Service Center.

🚫 Disassembly prohibited
Do not disassemble or modify the au Nano IC Card (LTE). Doing so might cause loss of data or a fault.

🚫 Prohibited
Do not use or leave the au Nano IC Card (LTE) in hot places such as by a fire or a heater. Doing so might cause melting, fuming, loss of data or a fault.

🚫 Prohibited
Do not throw the au Nano IC Card (LTE) into a fire or heat it. Doing so might cause melting, fuming, loss of data or a fault.

🚫 Prohibited
Do not touch the IC (metal) part of the au Nano IC Card (LTE) or short-circuit it. Doing so might cause loss of data or a fault.

🚫 Prohibited
Do not drop the au Nano IC Card (LTE) or subject it to strong impact. Doing so might cause loss of data or a fault.

🚫 Prohibited
Do not fold, bend or place a heavy object on the au Nano IC Card (LTE). Doing so might cause loss of data or a fault.

🚫 Wetting with water prohibited
Do not wet the au Nano IC Card (LTE). Doing so might cause loss of data or a fault.

🚫 Prohibited
Do not scratch the IC (metal) part of the au Nano IC Card (LTE). Doing so might cause loss of data or a fault.

🚫 Prohibited
Do not store the au Nano IC Card (LTE) in dusty places. Doing so might cause loss of data or a fault.

🚫 Prohibited
Do not store the au Nano IC Card (LTE) in places exposed to direct sunlight or hot and humid places. Doing so might cause loss of data or a fault.

❗ Instruction
Store the au Nano IC Card (LTE) out of reach of small children. Accidental swallow might cause asphyxiation, injury, etc.

Handling Precautions

These precautions are provided to ensure that performance can be fully demonstrated.

Thoroughly read these precautions to ensure correct use.

■ **Precautions common to the main unit, battery pack, back cover, charger, au Nano IC Card (LTE), 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.

Keeping an external device connected to the external connection jack 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 IPX7) of the product, use the product with a specified back cover tightly closed. Note that the waterproof property is not guaranteed in every usage condition. Do not allow water to get inside the product or splash water on the battery pack, charger, or optional accessories. Do not open/close the back cover in the rain or with any water on the surface of the product. Doing so might cause water intrusion resulting in internal corrosion.

Malfunctions determined to be caused by such water intrusion are not covered by the warranty.

● 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%.)
  • Charger
  • Conversion cables

● 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%. Using at a temperature of 36°C to 40°C is allowed only when you use the product temporarily.)

  • SHF31
  • Battery pack (installed in SHF31)
  • au Nano IC Card (LTE) (inserted into the SHF31)

● Do not use in places subject to lots of dust or vibration.

● 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, etc. might erase the printing on the outer casing or cause discoloration.

● Use as far away as possible from fixed-line phones, TVs and radios. Use nearby might affect them.

● The product may become warm while charging or during other operations, depending on the situation, but this is not abnormal.

● When the temperature of the product gets high during use, the product may temporarily lower the screen brightness or may stop part of its functions to protect the main unit.

● Turn off the power of the product before removing the battery pack. If you remove the battery pack with the power on, saved data might be altered or lost.

■ **Main unit**

● Do not forcefully press, tap or intentionally subject the display to strong impact. Doing so might cause scratching or damage.

● Do not forcefully press sharp objects or hard objects against keys or display surface. Doing so might cause scratching or damage.

● The product's keypad (touch area) can be operated with your fingers as a touchpad (Touch Cruiser EX). However, in the following cases, the touch area may not respond to touch operation. These may also result in malfunction.
  • with gloves on
  • with fingernails
  • with another object placed on the operation area
  • with a sticker adhered
  • with any water or condensation on the touch area
  • with wet or sweaty fingers

- Do not remove the sticker printed with the IMEI number in the battery compartment visible when the battery pack is removed. This sticker bears a "Technical Conformity Mark ⓔ" certificating that the product and the communication module you are using comply with the Radio Law and Telecommunications Business Law.
- Never use modified au cell phones. Use of a modified device violates the Radio Law.

  The product has acquired the certification of conformity with technical regulations for a specified radio station based on the Radio Law and certification of conformity with technical regulations for the terminal based on the Radio Law, and the "Technical Conformity Mark ⓔ" can be confirmed on the product nameplate sticker.

  If the screws of the product are removed and modifications are made to the internal components, the certification of conformity with technical regulations will become invalid. Never use the product without this valid certification. Doing so violates the Radio Law.
- To prevent unlawful modification, the product has been designed so that it cannot be easily disassembled. Modifying the product is prohibited by the Radio Law.
- Contents saved in the product, such as contacts, mails and bookmarks might be altered or lost by an 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 on the product cannot be returned to the customer when the product is replaced for repair of a fault, for example.
- The product uses liquid crystal for its main display. Wearing polarizing sunglasses may result in the display appearing dark or distorted due to the characteristics of the sunglasses and the angle viewed at.

- The product uses liquid crystal for its main display. The main display response speed may become slow when the ambient temperature is low, which is due to the characteristics of liquid crystal and is not a malfunction. The main display response speed will return to normal at room temperature.
- Although the main display used on the product is made using high-precision technology, some pixels (dots) might be lit or out at all times. This is not a malfunction.
- The product uses an OEL display in its sub display. While OEL displays may experience lowered partial brightness if same images are displayed for a long time or if used for an extremely long time, this is due to the characteristics of the OEL display and is not a malfunction.
- OEL displays are manufactured with high-precision technology, and may experience very limited instances of pixels not lighting or being always on.

  Brightness may also appear unevenly in bands depending on the angle. This is due the structure of the OEL display, and is not a malfunction.
- Leaving an OEL display under direct sunlight might cause malfunction. Use caution when placing near a window or outdoors.
- Take care not to inconvenience people around you when you use the product in a public place.
- You are recommended to store copies of individual data such as still pictures/videos you took and music in your PC by sending each file as mail attachment, etc. Note, however, that you may not be able to make copies of some copyrighted data even by the above-mentioned means.
- Take care not to place magnetized items such as magnetic cards, speakers and TV sets near the product, as it might cause malfunction.

  Putting strong magnetism close to the product might cause false operation.

- 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. Straps with metal or other hard parts that may come in contact with the display may cause scratching or breakage.
- 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 drops (i.e. condensation) sometimes are formed inside the product. Note that when used under conditions such as this, humidity might cause corrosion or a fault.
- When wiping the display, wipe with a soft, dry cloth. Use of a moistened cloth, glass cleaner or other similar liquid might cause a fault.
- When connecting/disconnecting an external device to/from the external connection jack make sure to insert/remove the connector of the external device straight to/from the jack.
- Note that applying unnecessary force with an external device connected to the external connection jack may cause damage.
- Do not discard the product together with regular trash. Please cooperate in the collection of the product when it is no longer needed to protect the environment and effectively use resources. Old products are collected at au shops and other places.
- Insert only a microSD memory card into the microSD memory card slot on the product.
- 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.
- When hearing the other party's voice, make sure that the earpiece is placed at the center of your ear. If the earpiece (audio output port) is closed by the ear lobe, it may be hard to hear the voice.
- Even if you cover the mouthpiece to make your voice inaudible to the other party, the other party can hear your voice.

- When using handsfree call, take care to keep the speaker at a safe distance from your ears, as the speaker volume may be too loud.
- Putting a sticker, etc. on the main display or a key may cause malfunction or shortened usage time. Also, doing so may damage the product.
- Be careful not to pinch your fingers when opening/closing the product.
- If you put magnetized objects, metal straps, etc. close to the product, the speaker section sometimes emits sounds. This is not a fault.
- Bright places such as under the direct sunlight sometimes make it hard to see the display. This is not a fault.

■ Battery pack

● Use in very hot or cold environments, for example, when left in an automobile with the windows closed in summer, will cause the battery capacity to drop and shorten the available battery usage time. This will also shorten the battery pack's service life. Try to use the battery pack as much as possible at room temperature.

● When the battery pack is not to be used for a long time, remove the battery pack from the main unit, and store it away from hot and humid places.

● Charge the battery before using the product for the first time after purchase, or if you have not used the product for a long time.

● The battery pack is a consumable item. If the performance of a battery pack does not recover after charge, the battery pack is at the end of service life, so buy a new one of the specified type. Note that the length of service life varies depending on the usage condition, etc.

● Do not discard battery packs together with regular trash. Please cooperate in the collection of used battery packs to protect the environment and effectively use resources. au shops and other retailers collect used battery packs.

● Battery packs sometimes swell up as they approach the end of their service life depending on the usage condition.
This is due to the properties of lithium-ion batteries, and is not a problem in terms of safety.

■ Charger

● When not using the specified charger (sold separately), remove its power plug from the power outlet or the cigarette lighter socket.

● Do not wrap the power cord of the specified charger (sold separately) around the power plug or desktop holder (sold separately). Doing so might cause electric shock, overheating, fire, a fault, or injury.

● Do not forcibly bend the charger's plug or the connection between the connector and power cord. Doing so might cause electric shock, overheating, fire, a fault, or injury.

● Do not use the common DC adapter 03 (sold separately) with the car engine stopped. Doing so might result in draining of the car battery.

■ au Nano IC Card (LTE)

● The au Nano IC Card (LTE) 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.

● Do not forcibly remove or insert the au Nano IC Card (LTE). 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 Nano IC Card (LTE) into some other IC card reader/writer, etc.

● Keep the IC (metal) part of your au Nano IC Card (LTE) clean. Wipe the card with a dry, soft cloth (such as for cleaning eyeglasses) for cleaning.

● Do not put stickers, etc. on the au Nano IC Card (LTE).

■ Camera

● When using the camera, follow common rules of etiquette regarding camera use.

● Image data might be altered or lost due to malfunction, repair or mishandling of the product. The Company takes no responsibility for recovery of altered or lost data, damages resulting from altered or lost data, and lost profits.

● When photographing important occasions (such as a wedding), take a trial shot and check the shot image to make sure it is correctly shot.

● Do not use the camera for recording commercially available books or information of which photographing is not allowed.

● Do not leave the camera lens exposed to direct sunlight. Imaging elements might be discolored or burnt.

■ Music, videos and TV (1Seg)

● Do not listen to music, watch videos or TV (1Seg) while driving a car or motorbike, or riding a bicycle. Use of cell phones while driving a car or motorbike is prohibited by law. (Use of cell phones while riding a bicycle may also be punishable by law.) In addition, stay alert to the traffic around you even when walking. Surrounding sounds might not be heard clearly, and gazing at the screen may distract your attention causing a traffic accident. Be especially careful at railroad crossings, station platforms and pedestrian crossings.

● Take care not to listen at ear-splitting volume for a long time, as it might affect hearing.

● Be careful of sound leakage from earphones in trains or other places with many people around you.

■ Copyrights and rights of portrait

● If the data you shot or recorded using the product or the data you downloaded from the Internet etc. is in part or in whole protected by the third party's copyright, you are not allowed to copy, distribute, publicly send, modify the data without 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 may infringe on rights of portrait.

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

● Be careful about the copyright and portrait right when posting still pictures you shot, etc. on Internet homepages.

■ Back up content on the product

● Please back up important content recorded or downloaded to 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, or by repair, mishandling, etc.

 * How to make backups: Store important data such as phonebook data, music, shot still pictures and videos on external memory devices such as a microSD memory card or PC. You can also send files as mail attachment or transfer to your PC. Note, however, that there are some data that cannot be copied by using these means.

Available Security Codes

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.

■ Security code

Example of usage	① To do remote operation of voice mail and call forwarding services from a landline phone ② To 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

■ Security key (Passcode/Password)

Example of usage	To set/cancel voice calling restrictions, etc. or lock Osaifu-Keitai®
Initial value	1234

■ PIN code

Example of usage	To prevent unauthorized use of the au Nano IC Card (LTE) by third parties
Initial value	1234

PIN

■ PIN Code

To prevent unauthorized use of the au Nano IC Card (LTE) by a third party, you can set the product to require PIN code entry every time the power is turned on. You also need to enter PIN code when setting whether PIN code entry is required.
If PIN code is incorrectly entered three times consecutively, the PIN code will be locked. You can unlock the PIN code using PUK code.
• PIN code is "1234" and PIN code entry is set to not be required at the time of purchase. You can change PIN code to any four- to eight-digit number, and set PIN code entry to be required as necessary.

■ PUK Code

In case PIN code is locked, you can unlock it by entering 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 on which your au Nano IC Card (LTE) is attached.
• After entering PUK code, you need to set a new PIN code.
• If PUK code is incorrectly entered ten times consecutively, contact an au shop, PiPit or Customer Service Center.
• PIN code is not reset by initializing the product.

◎ When the PIN code is locked, the product may restart for the security reasons.

Notes on Waterproof Property

Before using the product, thoroughly read the contents of "Notes on Waterproof Property" to ensure correct use. Failure to follow the contents described in these sections may cause intrusion of water, sand or other foreign material, resulting in overheating, ignition, electric shock, injury or fault.

Proper operations of the product are not guaranteed in every possible condition during actual use. Faults determined, after an inspection, to be caused by mishandling by the customer such as by using the product without following the contents written on "Notes on Waterproof Property" are not covered by the warranty.

■ Waterproof Property of the Product

The product has a protection rating (JIS C 0920) for waterproof property equivalent to IPX5[*1] and IPX7[*2] on the condition that the back cover is securely closed (based on testing by the Company).

The product does not have dustproof property.

[*1] IPX5 means that the cell phone continues to function as a phone after being subjected to a water jet (approximately 12.5 liters/min) discharged from a water pouring nozzle (inner diameter: 6.3 mm), from all directions and approximately 3 meters away from the cell phone for at least 3 minutes.

[*2] IPX7 means that the cell phone continues to function as a phone after being gently lowered into a tank filled with still tap water (at room temperature) to the depth of 1 meter, immersed at the bottom for approximately 30 minutes and then taken out of the tank.

■ Waterproof property of the product enables you

- To talk on the product in the rain without an umbrella (with a precipitation of 20 mm/hour or smaller).
- To use the product at the poolside. However, do not get it wet with water other than tap water such as water in the swimming pool or submerge it in water in the swimming pool.
- To wash the product with the low-pressure water flow of a tap water (6 liters/min or lower) at the room temperature (5°C to 35°C).

■ Handling the product

- Close the back cover securely. Even a fine particle (a hair, grain of sand, tiny fiber, etc.) pinched between contact surfaces may allow intrusion of water.
- If liquid such as water is splashed onto the product with the back cover opened, the liquid may seep inside and cause electric shock or malfunction. Discontinue using the product, turn off the power and then contact an au shop near you or the Keitai Guarantee Service Center.
- When the product is wet, wipe it with a dry and clean cloth.
- When your hand or the product is wet, never open/close the back cover.
- The product is resistant to fresh and tap water at room temperature (5°C to 35°C) only. If you let the product get wet with or submerged into the liquids other than fresh and tap water at room temperature, stop using it and wash it with fresh and tap water at room temperature.
- Do not use the external connection jack when the jack is wet or sand or dust is attached to it. Doing so may cause impairment of the waterproof property or cause electric shock, short circuit, etc. resulting in a fire, burns, or a fault.

■ Notes on Using the Product

- Do not let the product get wet with or submerged into the following liquids.
  - ・ Water containing soap, detergent or bath powder
  - ・ Seawater or water from a swimming pool
  - ・ Hot spring, hot water, etc.
- If the product gets wet with seawater, water from a swimming pool, soft drink, etc. or dust, sand, mud, etc. is attached on the product, immediately wash it away with fresh and tap water at room temperature (5°C to 35°C). When it gets dry and coagulated on the product, the stains get hard to get rid of and may cause fault.
- Using the product without completely washing sand or mud away may cause fault such as scratches and damages on the product.

- Do not immerse the product in a bathtub or swimming pool. Also, do not use it under water. (including key operations.)
- The product is not designed to withstand high water pressure. Do not expose the product to a strong water flow with tap water, shower, etc. (6 liters/min or more) or submerge it under water.
- To prevent condensation, wait until the product reaches room temperature before you bring it from a cold place into a warm place. If condensation occurs, leave it in room temperature until the condensation is removed.
- Do not get the product wet with hot water, use it in saunas or expose it to hot air from hair dryer etc.
- Do not place the product where it gets extremely hot or cold such as near a stove or in a refrigerator.
- Volumes may temporarily become lower due to water entering in the earpiece, mouthpiece and speaker. Drain water and dry the product well before use.
- The product does not float on water.
- Do not use the product in heavy rain.
- Do not leave the product wet. Doing so may let the liquids freeze on the product in cold places or otherwise cause fault.
- Do not drop or otherwise subject the product to strong impact or jab the earpiece, mouthpiece, speaker, etc. with a sharp object. Doing so may cause scratching, deformation, etc. on/of the product, resulting in impairment of waterproof property.
- Do not place the product directly on sand at a beach, sandbox, etc. or on mud. Grains of sand may get into the earpiece, speaker, etc., causing the volume to drop.
- The battery pack, desktop holder (sold separately), and optional accessories are not waterproof. Do not use in a bathroom, shower room, kitchen, sink, or other location where water is regularly used.
- If the back cover degrades or is damaged, the waterproof property cannot be maintained. In such case, contact an au shop near you.

■ Maintaining the Waterproof Property

■ Rubber seal

The rubber seal on the back cover is important in maintaining the waterproof property. Be sure to observe the following items.
- Do not remove or scratch it.
- When closing the back cover, do not let the rubber seal caught. Also, do not insert sharp objects into gaps around the back cover or the external connection jack section. Doing so may damage the rubber seal and allow intrusion of water.
- It is recommended to replace the parts for maintaining the waterproof property (pay service) once every two years regardless of whether any abnormality is present. For information on part replacement, contact an au shop near you.

■ Precautions on Charging

The battery pack, desktop holder (sold separately), specified charger (sold separately), and optional accessories are not waterproof. Be sure to check the following items before and after charging.
- Check that the product is not wet. If it is wet or after it gets wet, drain water well and wipe remaining water off with a clean dry cloth etc. before mounting in the desktop holder (sold separately) or inserting the microUSB plug into the external connection jack.
- Never connect the microUSB plug when the product, desktop holder (sold separately), or specified charger (sold separately) is wet. Although the product is water resistant, any water or foreign matter on the product or microUSB plug when inserting the microUSB plug while the product/specified charger is wet might cause electric shock or short circuit/corrosion causing abnormal overheating, burnout, fire, burns, or malfunction.
- Do not touch the desktop holder (sold separately) or specified charger (sold separately) with wet hands. Doing so may cause electric shock.

• Do not splash water onto the desktop holder (sold separately), specified charger (sold separately), or optional accessories when using the equipment. Do not use the equipment in places where water is regularly used such as a bathroom, shower room, kitchen, and lavatory. Doing so may cause fire, electric shock, malfunction, or injury.

■ Washing the Product

If any stain, dust, sand, soft drink, etc. is attached to the surface of the product, gently wipe it off with a cloth and wash the product under a mild water flow (up to 6 liters/min) of tap water at room temperature (5°C to 35°C) approximately 10 cm away from the faucet or shower head.

Hold the back cover so that it does not open, and wash the product with your hands without using a brush or sponge. After washing the product, drain water off and before using the product.

• Make sure that the back cover is securely closed before washing the product.
• Do not wash the product with a washing machine or an ultrasound bath.
• The external connection jack section is especially subject to stain such as dust or sand adhesion. Wash away stain carefully so as not to keep it remaining in the sections. Also, after washing it away, make sure the sections get sufficiently dried off before using the product. Using the product with sand or water drops remaining in the jack sections may cause fault.
• When cleaning the external connection jack section, do not use tools such as a cotton swab or jam a cloth into the jack sections. Doing so may cause impairment of waterproof property etc., resulting in fire, burns, or a fault.
• Never put the product in a microwave oven for drying it. Doing so may cause the battery pack to leak liquid, overheat, rupture or ignite. Also, doing so may cause the product to overheat, emit smoke, ignite or cause destruction of circuit components.

• Do not expose the product to hot air from a hair dryer or leave it in a high temperature environment for drying it. Doing so may cause the product to deform, discolor, get out of order, etc.

■ Draining Water

If the product gets wet, make sure to drain water remaining in the "external connection jack section", "earpiece (receiver) section", "mouthpiece (microphone) section", "speaker section", "key section", "hinges (joint)", etc.

1 **Wipe off water on the surface of the product carefully with a dry and clean cloth etc.**

If a strap is attached, dry it sufficiently as well.

2 **Hold the product securely at its hinges (joint) and shake it approximately 20 times until there is no more water splashing.**

Make sure of the safety around you and shake the product while holding it securely not to let it drop.

Hinges (joint)

Earpiece (Receiver) section

External connection
jack section

Mouthpiece
(Microphone)
section

Speaker section
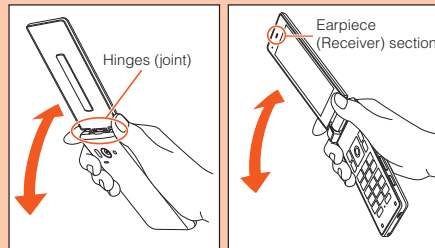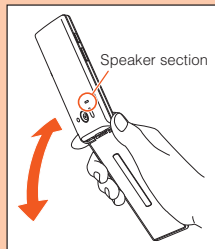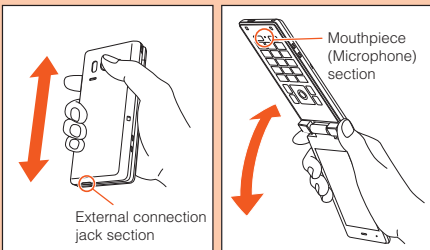
3 **Wipe off water remaining in the grooves of each section by gently putting the product against a dry and clean cloth etc.**

Since water is sometimes left in the grooves of each section, clear them of water by putting a cloth against their openings and gently patting them.

Make sure that there is no more water or foreign objects remaining in them.
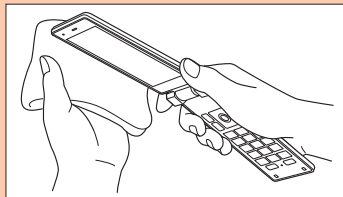
4 **Lay out a dry cloth etc. beneath and leave the product on the cloth at room temperature for approximately 2 to 3 hours to dry it.**

Water, if any, remaining in the product may ooze up after wiping off.

Do not wipe off water remaining in the grooves directly by a cotton swab etc.

■ **Precautions to be taken after water draining**

Do not use the product with water drops still left on it.

- Doing so may cause call disruption or cause clothes or bags to get wet.
- Doing so may cause the external connection jack, etc. to short-circuit, causing fire or malfunction.
- Doing so in a cold region may cause a fault due to water drops freezing.

29

Notes on Using Bluetooth®/Wireless LAN (Wi-Fi®) Functions

Frequency Band

Bluetooth® and wireless LAN (Wi-Fi®) functions (2.4 GHz band) of the product use frequencies in the 2.4 GHz band ranging from 2.402 GHz to 2.480 GHz.

The frequency bands used by this product's Bluetooth® and wireless LAN (Wi-Fi®) functions are given on the sticker located in the battery compartment.

- Bluetooth® function: 2.4FH1/XX4

<div style="text-align:center">

2.4FH1/XX4

</div>

The product uses the 2.4 GHz band.

FH1 uses FH-SS as the modulation scheme. The interference distance is about 10 m or less.

XX4 uses other schemes. The interference distance is about 40 m or less.

Bands of mobile unit identification devices cannot be avoided.

- Wireless LAN (Wi-Fi®) function: 2.4DS/OF4

<div style="text-align:center">

2.4DS/OF4

</div>

The 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.

Bands of mobile unit identification devices can be avoided.

Channels available with the 2.4 GHz band wireless LAN (Wi-Fi®) of the product are between 1 to 13.

Available channels differ depending on the country.

For use in airplane, check with the airline company in advance.

Precautions about Bluetooth®

- The Bluetooth® function of the product conforms to the domestic standards of Japan and FCC standards and EC directives, and has been certified.
- The 2.4 GHz band used by wireless LAN (Wi-Fi®) and Bluetooth® devices is shared by various other devices. For this reason, Bluetooth® devices use technologies for minimizing effects from other devices using the same radio frequency band. In some cases, however, the communication speed and connectable range may be decreased, or disconnection may occur, due to interference by other devices.
- The communication speed and connectable range vary depending on the distance between communication devices, obstacles and the Bluetooth® devices used.

■ Bluetooth® function precautions

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

1. Before using the 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 the product and "other wireless stations", immediately either relocate the product or stop operation of the device (stop 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.

Precautions about Wireless LAN (Wi-Fi®)

- The wireless LAN (Wi-Fi®) function of the product conforms to the domestic standards of Japan, FCC standards and EC directives, and has been certified.
- Do not use the product in places where electromagnetic waves are generated or near electric products, AV and OA equipment, or other magnetized devices.
- Subjecting the product to magnetic or electrical noise might increase noise and prevent it from performing communications. (The product is particularly susceptible to noise when it is used near a microwave oven.)
- Using the product near a TV, radio or similar appliance might cause reception interference and disrupt TV images.
- Searching might not be successful if there are multiple wireless LAN (Wi-Fi®) access points near the product and the same channel is being used.

■ 2.4 GHz band wireless LAN (Wi-Fi®) precautions

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

1. Before using the 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 the product and "other wireless stations", immediately either relocate the product or stop operation of the device (stop 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.

◎ Connections between the 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.
◎ The 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.

Notes on Packet Communication Charge

- Since constant Internet connection is possible with the product, packet communication may be performed automatically by some applications, resulting in high packet communication charges. Therefore, subscription to the flat-rate/discount service for packet communication charges 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 packet communication charge applies.
  * Packet communication charge does not apply to wireless LAN (Wi-Fi®).

Notes on Applications

- To download applications, first set an au ID and access au スマートパス(au Smart Pass). For details on setting an au ID, refer to the "Setting Guide".
  This product does not permit use of Google Play™ or EZweb.
- 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 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 keep the screen turned on while they are active, or rapidly drain the battery while running in the background.
- Operation procedures and screen appearances of the applications preinstalled in the product and those installed by you are subject to change without notice as a result of version upgrade. In addition, operation procedures described in the "Basic Manual" available on the au homepage and on the product or "Setting Guide"/"Full Instruction Manual" (Japanese) available on the au homepage may differ from the actual procedures.

Names and Functions of Parts

■ Front/Back
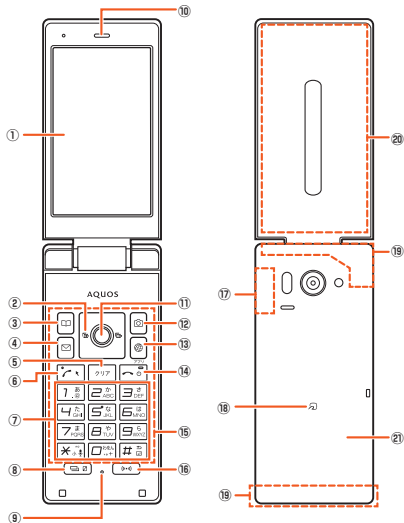
① **Main display**

② ✛**Cursor key**

　◀**Left key/incoming call history**

　▶**Right key/outgoing call history**

　▲**Up key**

　▼**Down key**

③ ▦**Address book key**

④ ✉**Mail key**

⑤ クリア**Clear key**

⑥ ◿**Call key**

⑦ **0～9、＊、#Number keys**

⑧ ⎚**Recent Apps key**

　Displays list of running applications. Hold down to set/cancel VeilView.

⑨ **Mouthpiece (Microphone)**

　Transmits your voice to the other party during a call. It is also used for recording sounds. Take care not to cover the microphone with your fingers etc. when using it.

⑩ **Earpiece (Receiver)**

　Hear the other party during a call, Answering memo messages, etc.

⑪ ⦿**Center key**

⑫ ▣**Camera key**

⑬ ◉**Browser/Apps key**

　Displays browser menu. Hold down to display applications list.

⑭ ◺**Power/End call key**

　While using the product, end call or exit functions. Hold down to turn the power on, or to display a power menu for power off, reboot, or other operations.

⑮ **Touch area (Touch Cruiser EX)**
Use your fingers in the touch area to operate in the same way as a touchpad. (▶P.35)

⑯ 📶 **Tethering key**

⑰ **Wi-Fi®/Bluetooth® antenna**

⑱ 🔲 **mark**
Hold it over a reader/writer when using Osaifu-Keitai®.

⑲ **Internal antennas**
Used when making calls or using the Internet or 4G (LTE)/3G.

⑳ **TV antenna**
The product contains an antenna for viewing TV (1Seg).

㉑ **Back cover**

■ **Folded (Front/Back/Side)**
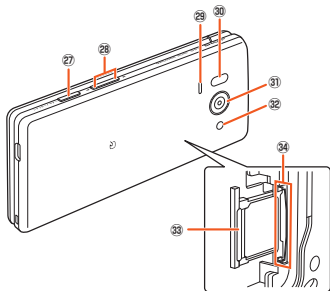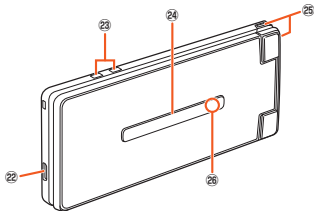
㉒ **External connection jack**
Use for connecting the common AC adapter 05 (sold separately), microUSB cable 01 (sold separately), or a USB cable (commercially available) for peripheral devices.
When you connect the common AC adapter 05 (sold separately), the microUSB cable 01 (sold separately), etc. to the product, some applications may not function properly since the geomagnetic sensor is affected by the magnetism of connected devices. Use the product after removing the cable.

㉓ **Charger terminal**
Terminal for charging with the desktop holder (sold separately).

㉔ **Sub display**
Notifies you with information when a call is arriving, new mail is received, an alarm sounds, etc.

㉕ **Strap eyelet**

㉖ **Charging/Incoming indicator**
Lights red/green while charging depending on the battery level.
Flashes for an arriving call or new mail according to settings.

㉗ シャッター / マナー **Shutter/Manner mode key**

28 🔼🔽**Volume UP/DOWN key**

Adjust the volume.

Hold down 🔼 when the product is folded to turn on the mobile light.

29 **Speaker**

Ringtones, alarms, etc. sound from here.

30 **Infrared port**

Transfer data by infrared communication.

31 **Camera lens**

32 **Mobile light**

33 **au Nano IC Card (LTE) tray/slot**

34 **microSD memory card slot**

Internal antennas, Wi-Fi®/Bluetooth® antenna and TV antenna
◎ Antennas are built into the product. Do not cover with hand during calls or data communication, or place stickers over antennas. Doing so may affect call/communication quality.

About IMEI
◎ IMEI (international mobile station equipment identity) is a unique identifying code assigned to each device. The product's IMEI can be found on the sticker visible in the battery compartment.
◎ As the IMEI is required information for requesting repairs or after-sales service, do not remove the sticker with the IMEI printed on it.

Using Touch Cruiser EX

Use your fingers in the touch area to operate in the same way as a touchpad (Touch Cruiser EX). Activating a function/application supporting Touch Cruiser EX enables Touch Cruiser EX and allows the on-screen pointer to be operated.

1 **Activate function/application supporting Touch Cruiser EX.**

Touch Cruiser EX is enabled and "▸" (pointer) is displayed.
• Hold down ⬡ to toggle Touch Cruiser EX on/off.
• If an operation description for Touch Cruiser EX is displayed, press ⬤ (OK). Checkmark "Don't show again" and press ⬤ (OK) to no longer display the operation description when next activating Touch Cruiser EX.
• Ending a function/application supporting Touch Cruiser EX disables Touch Cruiser EX.
• Key operation is still possible even when Touch Cruiser EX is enabled (Except for some applications).

Operation with Touch Cruiser EX

When using the browser, LINE, etc., the on-screen pointer can be operated like a mouse.
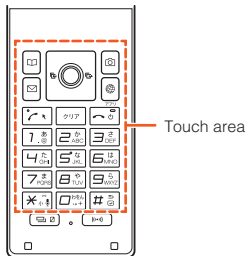
Touch area

■ Tap/Double-tap

Gently tap the touch area. To double-tap, tap the same position twice.
- Select items and icons under the pointer. Double-tapping a displayed photo, etc. to zoom in or out. Zooming is carried out centered around the pointer. Zoom after placing the pointer where you want to zoom.

■ Long-Touch

Keep gently touching the touch area. " ▶ " changes to " ✛ ". Tap the touch area or, after releasing your finger and several seconds of no operation, the indication returns to " ▶ ".
- Display menus, etc.

■ Slide

Long-touch the touch area to change " ▶ " to " ✛ ".

While gently touching the touch area, slide in the desired direction or to the desired position.
- Slide in the desired direction to scroll and switch pages.

■ Flick

Long-touch the touch area to change " ▶ " to " ✛ ".

While touching the touch area, flick up, down, left, or right.
- Flick in the desired direction to quickly scroll the screen, switch pages, etc.

■ Pinch

While touching the touch area with two fingers, widen (pinch out) or close (pinch in) your fingers.

- Zoom in or out on the browser, etc. Zooming is carried out centered around the pointer. Zoom after placing the pointer where you want to zoom.

◎ The touch area is designed to be touched gently. Avoid pressing forcefully or using sharp objects (ballpen, pin, etc.).

◎ The touch area might not respond to the following types of operation, and may also cause malfunction.
- with gloves on
- with fingernails
- with another object placed on the operation area
- with a sticker adhered
- with any water or condensation on the touch area
- with wet or sweaty fingers

Switching the Display Language to English

You can switch the display language for function names and other items to English.

1 When the standby screen is displayed, press ⊙ → [設定](Settings).

2 [その他](Other settings) → [言語(Language)を選択] (Select language).

3 [English].

Using the Standby Screen

Check the status of the product in the standby screen.

■ Viewing the Standby Screen

《Standby Screen》

① **Status Bar**
② **Search**
③ **Calendar**
④ **Indicator icons**
   Indicators for missed calls, unread e-mail/SMS, and notifications are displayed.
⑤ **Kantan Hasshin icon**
   When displayed, you can use "Kantan Hasshin (voice recognition)" to make a call (▶P.52).
⑥ **Clock**

Using shortcuts in the Standby Screen

You can use the calendar and indicator icons in the standby screen as shortcuts.

1 When the standby screen is displayed, press ⊙ → Select item → ⊙.

• Selecting an indicator icon displays its content in a balloon.

Using the Status Bar

Icons

The notification icons to notify you of a missed call, a new mail message, a running operation, etc. are displayed on the left side of the status bar, while the status icons to show the status of the product are on the right side.

■ Main Notification Icons

Icon	Description
	Missed call
	New mail message
	1Seg signal strength
	~ : Level display
	Making a call, talking, receiving a call
	Call on hold
	Answering memo
	Available space on the internal memory being run out
	Software update available
	Icons collected

◎ Some icons are displayed with their number superimposed on them.

■ Main Status Icons

Icon	Description
12:34	Time
~	Battery level
	~ : Battery level display : No battery
	• While charging, the battery icon is displayed with ⚡ superimposed.
	Airplane mode set
~	Signal strength (Receiving electric field)
	~ : Level display : Out of service area
	• The icon indicating network is displayed at the upper left.
	: 4G (LTE) available : 3G available
	: Roaming
	• During a communication, the icon is displayed with superimposed.
あ AB 12 かた A 1 カ 区	あ: Kanji AB: 1-byte alphabet 12: 1-byte digits かた: 1-byte katakana A: 2-byte alphabet 1: 2-byte digits カ: 2-byte katakana 区: Kuten code
	Manner mode status
	: Standard manner mode : Drive manner mode
	: Silent manner mode
	During a call using hands-free
	Arriving call volume set to "Silent"
	Microphone set to "Mute" during a call
~	Wi-Fi® signal strength
	~ : Level display
	• During a communication, the icon is displayed with superimposed.

Icon	Description
🔲 🔲 🔲	Answering memo set 🔲: No Answering memo 🔲: Answering memo (one to nine entries) 🔲: Answering memo full (ten entries)

Using the Notification/Status Panel

In the notification/status panel, you can check the details on notification icons and status icons or activate an application corresponding to the icon.
You can also set the manner mode and check Answering memo.

1 **When the standby screen is displayed, press ◉ → Select the status bar → ◉.**

2 **Select the notification → ◉.**
The application corresponding to the notification is activated.

■ Viewing the Notification/Status Panel

① 151222_144125
Unknown artist

② 090XXXXXXXX
Have a message(7secs)

Unread Mail

Ichiro Keitai
Missed call

Battery: 100%
Signal strength: Lev··
4G data: Awaiting

Submenu
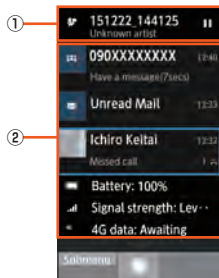
《**Notification/Status panel**》

① **Music controller**
Displayed when playing music with LISMO. Only allows pausing.

② **Notification area**
Check the status of the product and contents of notifications.

■ Using notifications

1 **Select the desired notification in the notification/ status panel → ▣ (Operate).**
Options corresponding to the content of the notification are displayed.

2 **Select an option → ◉.**
You can activate a corresponding application, etc.

■ Deleting 1 notification

1 **Select the notification to delete in the notification/ status panel → ▭ (Submenu) → [Delete one item] → ◉.**

■ Deleting all notifications

1 **▭ (Submenu) in the notification/status panel → [Delete all] → ◉.**
• You may not be able to delete a notification depending on the notification.

Using the Sub display

The sub-display shows information including manner mode, battery level, and other product status, the date and time, and caller and other information.

Press ⬆/⬇/シャッター/マナー to switch displays.

■ Viewing the Sub-display

⬆/⬇/シャッター/マナー

| 🔋 12:34 | ➡ | ⚡ 12:34 | ➡ | 12/22 Tue
12:34 |
| 《time》 | | 《icon + time》 | | 《icon + time + month/date/day》 |

■ Main Icons

Icon	Description
▫▫▫▫▫	Signal strength (Receiving electric field) ▫Strong / ▫Fair / ▫Weak / ▫Faint / ▫Out of range * Not displayed in airplane mode.
▫ ~ ▫	Battery level ▫ ~ ▫ : Battery level display ▫ : No battery • While charging, the battery icon is displayed with ⚡ superimposed.
▫	Missed call • Displays number of calls.
▫ ▫	▫ : New mail (e-mail/SMS) • Displays number of new mails ▫ : Earthquake Early Warning

Icon	Description
▫ ▫ ▫	Manner mode status ▫ : Standard manner mode ▫ : Drive manner mode ▫ : Silent manner mode
▫	Answering memo set • Displays number of unread Answering memo messages.
▫	Screen locked
▫	Airplane mode set

■ Displayed Information

Status		Display
Voice call arriving	Display caller (Registered in address book)	Registered name
	Display caller (Not registered in address book)	Phone number
	Not display caller	"Incoming call"
	Answering memo	Answering:"Playing answering memo guidance" Recording:"Recording answering memo"
In call	In call	"In call"
	Sound memo	"Recording sound memo"
	Volume change	Volume change screen
Call on hold		"Answering on hold"

Status		Display
Mail arriving	Display caller (Registered in address book)	Registered name
	Display caller (Not registered in address book)	E-mail address
	Not display caller	"Received mail"
SMS arriving	Display caller (Registered in address book)	Registered name
	Display caller (Not registered in address book)	Phone number
	Not display caller	"Received message"
Alarm	Alarm sounding	Alarm time, alarm name
	Snoozed	"Snoozing"
Emergency Rapid Mail		"Emergency Rapid Mail"
Manner mode	When set: normal	"Standard manner set."
	When set: drive	"Drive manner set."
	When set: silent	"Silent manner set."
	When not set: normal	"Standard manner canceled."
	When not set: drive	"Drive manner canceled."
	When not set: silent	"Silent manner canceled."
Music playing	Volume change	Volume change screen
LINE application notification		Message from LINE application is displayed.

Using the Main Menu

In the main menu, applications are grouped in menus. Select a menu and then an item to activate an application.

1 When the standby screen is displayed, press ⊙.
The main menu is displayed.

2 Select menu → ⊙.
Menus have correspondence with the dial keys (⓪ to ⑨, ✳, #). Press any key to select a menu.

3 Select application → ⊙.

■ Viewing the Main Menu

《**Main Menu**》

■ Main Application List

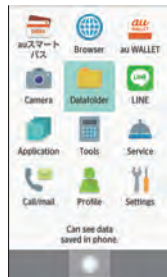| Menu	Description
auスマートパス (au Smart Pass)	All-you-can-download applications for a monthly 372 yen (tax excl.). Plus, this service also has benefits such as bargain coupons and presents, photo upload storage service, and security software for enjoying using the product with security and freedom.
Browser	View webpages the same way as with a PC. (▶P.66)
au WALLET	Allows you to get the most convenience from your au WALLET card. In addition to loading cash to your card, use the screen optimized for cell phones to check your card's cash balance, point balance, bonuses, and more.
Camera	Capture still pictures and video. (▶P.68)
Datafolder	View captured still photos/videos, downloaded files, etc.
LINE	This communication app allows you to enjoy calling and texting as much as you want, any time and any place. (▶P.64)
Application*	
	au ID Setting	Set au ID.
	auナビウォーク (au navi walk)	
	LISMO	
	au Wi-Fi接続ツール (au Wi-Fi connection tool)	
	GLOBAL PASSPORT	
	au災害対策 (au Disaster Countermeasure)	
	Safety Access	
	au Backup App	
	OfficeSuite	This application allows viewing of Microsoft Word, Excel, PowerPoint and PDF files created on a PC or other device. Use easily whenever you want to view these types of files.

Menu	Description
Tools	
	Alarm	Use alarms.
	Timer	Use a timer.
	Calendar	Use a calendar.
	Notepad	Use a notepad.
	Calculator	Use a calculator.
	PASSNOW	Pair with and use a compatible tablet or other device to enjoy photos and videos captured with the product and view notifications arriving on the product.
	TV (One Seg)	View digital terrestrial TV broadcast service for mobile devices. (▶P.71)
	Infrared	Transfer data between the product and another device with an infrared communication function.
	Widget sheet	Add and use widgets.
	Osaifu-Keitai	Use services compatible with Osaifu-Keitai®.
	GLOBAL PASSPORT	When overseas, use this application to confirm fees applicable for your country of stay, how to make settings, the method of making international calls, etc.
	au Wi-Fi接続ツール (au Wi-Fi connection tool)	Allows simple connection to a HOME SPOT CUBE or other wireless LAN (Wi-Fi®) base set in your home. All au Wi-Fi SPOTs become available when outside. Spot searching also possible.
	StopWatch	Use a stopwatch.
	World clock	Use a world clock.
	TOUCH CRUISER EX Guide	Display operating instructions for Touch Cruiser EX. (▶P.35)

Basic Operations

Menu		Description
Service		
	LISMO	Play music and look for the latest music information. Also, listen to samples and buy songs you searched for.
	auナビウォーク (au navi walk)	View navigation for a best route that combines transportation and walking.
	Safety Access	Filtering application that restricts access to webpages and use of applications that are likely inappropriate, allowing your child to use the cell phone worry free.
	au災害対策 (au Disaster Countermeasure)	This is an application in which you can use Disaster Message Board, Emergency Rapid Mail (Earthquake Early Warning, Disaster and Evacuation Information, and Tsunami Warning) and Disaster Voice Messaging Service. (▶P.4)
	au Backup App	Allows all the different data stored on your au phone to be backed up or restored using a microSD memory card. The auto backup function automatically backs up data on the day and at the time you set.
	メーカーサービス（SHSHOW） (Manufacturer service (SHSHOW))	Download, view, etc. contents.

Menu		Description
Call/mail		
	Incoming/ outgoing call history	View incoming and outgoing call histories. (▶P.50)
	Address Book	Register contacts to the address book and use registered information. (▶P.55)
	Call settings	Make call settings.
	Speed dial	View a speed dial list. (▶P.52)
	Mail	Use an e-mail (～ezweb.ne.jp) address to send and receive e-mail. Send and receive SMS using a phone number as the recipient. (▶P.57)
Profile		Check and edit your profile. (▶P.54)
Settings		Specify and manage settings in the settings menu. (▶P.73)

* Additionally downloaded applications are displayed in "DOWNLOAD". (▶P.44)

◎ When activating applications and using their functions, communication charges may result for some functions.
◎ After upgrading an application version or in similar instances, the design of applications, icons, etc. on the product may differ from this manual.

Basic Operations

▌ About Applications

"Application" allows you to use applications pre-installed at time of purchase as well as additionally downloaded applications.

1 **When the standby screen is displayed, press ● →**
[Application].

The application list is displayed.

■ Switching tabs

1 **When the application list is displayed, press ☉.**

The "PRESET"/"DOWNLOAD" tabs switch.

■ Searching for applications

1 **When the application list is displayed, press 📷**
(AppSearch).

The auスマートパス(au Smart Pass) site is displayed. Follow the on-screen instructions to search for and download applications.

▌ Learn Common Operations

▌ Learn Basic Key Operations

■ Using Functions that Appear at the Bottom of the Screen

Press the key corresponding to a function that appears at the bottom of the screen.
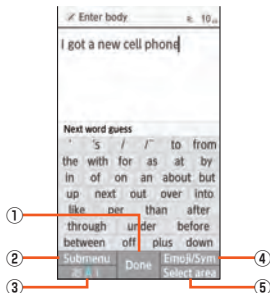
① For "Done", press ●.
② For "Submenu", press ▥.
③ For "あA1", press ✉.
④ For "Emoji/Sym", press 📷.
⑤ For "Select area", press 📷.

■ To Select Items

To select a displayed item, select the item using 🔘 or 🔘 and press 🔘.
If 0 to 9, *, #, etc. are displayed in the menu, you can also press a corresponding dial key.
• You can also sometimes press 🔘.

■ To Return to Previous Screen

You can press クリア to go back one screen.
• You can also sometimes press 🔘, ⌨, or ✉ to return to the previous screen.

■ To Return to the Standby Screen

To return to the standby screen from any function, press 📞.
• After a certain period of no key operation, the product may return to the standby screen automatically.
• If activating a function while in a call, the call may be interrupted.
• The function or application being used is ended.

■ To Enter Numbers

You can press 0 to 9 to enter numbers.
If "▲" and "▼" are displayed above and below the number entry field, you can press 🔘 to increase or decrease the number.

■ To Move to Previous or Next Data

While displaying mail, etc., you can press 📷 to move to the previous data or ✉ to move to the next data.

■ To Scroll the Page

When browsing a webpage or displaying a mail list, message, data list, etc., you can press ✉ to scroll up or 📷 to scroll down.

Using Checkboxes

If a checkbox is displayed next to a setting item, you can select the item or the checkbox to enable or disable the item.
When performing operations on data such as "Move selected", "Save selected", or "Delete selected", you can select checkboxes to select or deselect items.

Icon example	Description
☑	Setting is enabled or item is selected.
☐	Setting is disabled or item is not selected.

Learn How to Enter Characters

■ Key Assignments for Character Entry

Character type	Kanji	Alphabet (2-byte)	Digits (2-byte/1-byte)
1	▶ あいうえおぁぃぅぇぉ ┐	▶ .@／＿—：～1 ┐	1
	Kana (2-byte/1-byte)	Alphabet (1-byte)	Dial entry
	▶ アイウエオァィゥェォ ┐	▶ .@/_-:1 ┐ *	1

Character type	Kanji	Alphabet (2-byte)	Digits (2-byte/1-byte)
2	▶ かきくけこ ┐	▶ a b c A B C 2 ┐	2
	Kana (2-byte/1-byte)	Alphabet (1-byte)	Dial entry
	▶ カキクケコ ┐	▶ abcABC2 ┐ *	2

Character type	Kanji	Alphabet (2-byte)	Digits (2-byte/1-byte)
3	▶ さしすせそ ┐	▶ d e f D E F 3 ┐	3
	Kana (2-byte/1-byte)	Alphabet (1-byte)	Dial entry
	▶ サシスセソ ┐	▶ defDEF3 ┐ *	3

Character type	Kanji	Alphabet (2-byte)	Digits (2-byte/1-byte)
4	▶ たちつてとっ ┐	▶ g h i G H I 4 ┐	4
	Kana (2-byte/1-byte)	Alphabet (1-byte)	Dial entry
	▶ タチツテトッ ┐	▶ ghiGHI4 ┐ *	4

Character type	Kanji	Alphabet (2-byte)	Digits (2-byte/1-byte)
5	▶ なにぬねの ┐	▶ j k l J K L 5 ┐	5
	Kana (2-byte/1-byte)	Alphabet (1-byte)	Dial entry
	▶ ナニヌネノ ┐	▶ jklJKL5 ┐ *	5

Character type	Kanji	Alphabet (2-byte)	Digits (2-byte/1-byte)
6	▶ はひふへほ ┐	▶ m n o M N O 6 ┐	6
	Kana (2-byte/1-byte)	Alphabet (1-byte)	Dial entry
	▶ ハヒフヘホ ┐	▶ mnoMNO6 ┐ *	6

Character type	Kanji	Alphabet (2-byte)	Digits (2-byte/1-byte)
7	▶ まみむめも ┐	▶ p q r s P Q R S 7 ┐	7
	Kana (2-byte/1-byte)	Alphabet (1-byte)	Dial entry
	▶ マミムメモ ┐	▶ pqrsPQRS7 ┐ *	7

Character type	Kanji	Alphabet (2-byte)	Digits (2-byte/1-byte)
8	▶ やゆよゃゅょ ┐	▶ t u v T U V 8 ┐	8
	Kana (2-byte/1-byte)	Alphabet (1-byte)	Dial entry
	▶ ヤユヨャュョ ┐	▶ tuvTUV8 ┐ *	8

Character type	Kanji	Alphabet (2-byte)	Digits (2-byte/1-byte)
9	▶ らりるれろ ┐	▶ w x y z W X Y Z 9 ┐	9
	Kana (2-byte/1-byte)	Alphabet (1-byte)	Dial entry
	▶ ラリルレロ ┐	▶ wxyzWXYZ9 ┐ *	9

Character type	Kanji	Alphabet (2-byte)	Digits (2-byte/1-byte)
0	▶ わをんぁ→〜、。 ? ! ・ space	▶ 0 − space	0

Character type	Kana (2-byte/1-byte)		Alphabet (1-byte)	Dial entry
0	**2-byte** ▶ ワヲンヮ ー〜	**1-byte** ▶ ﾜﾝﾞ-	▶ 0- space !"# $%&'()*+,./:; <=>?@[¥]^_`{|}~	0

* When entering at the start of a line, a capital letter is displayed first.

Character type	Kanji	Kana (2-byte/1-byte)	Alphabet (large/small, 2-byte/1-byte)	Digits (2-byte/1-byte)	Dial entry
✳	Short-press.... toggle large/small (where characters allow) Add ˚ (ten-ten) or ˚ (maru) (where characters allow) ▶ 、。? ! ・ space		Short-press.... toggle large/small (where characters allow) **2-byte** ▶ 、. ? ! ' − & () ¥ space **1-byte** ▶ .,?!'-&()¥ space	Short-press ....(decimal point)	✳
	Long-press....Paste recently-copied/cut text				

Character type	Kanji	Kana (2-byte/1-byte)	Alphabet (large/small, 2-byte/1-byte)	Digits (2-byte/1-byte)	Dial entry
#	When entering characters, display 1 character before (back function) When not entering characters, linebreak			Linebreak	#

Character type	Kanji	Kana (2-byte/1-byte)	Alphabet (large/small, 2-byte/1-byte)	Digits (2-byte/1-byte)	Dial entry
⊡	From submenu, display function quote, useful phrases, etc. Switch 2-byte/1-byte symbol lists Display facemark edit screen (when category other than history is displayed in facemark list) During normal conversion, shorten the selected text range (when character type is "kanji" and entering characters) Cancel selected range				—

Character type	Kanji	Kana (2-byte/1-byte)	Alphabet (large/small, 2-byte/1-byte)	Digits (2-byte/1-byte)	Dial entry
⊡	Display list for Pict (Emoji) → D-Emoji → Symbol (Full size: 2-byte) / (Half size: 1-byte) → Facemark (D-Emoji displayed only when entering e-mail text) Switch prediction conversion candidates and normal conversion candidates (when word prediction is "ON", character type is "kanji" and entering characters) During normal conversion, expand the selected text range (when character type is "kanji" and entering characters) Select entire selected range (when range is selected)				—

Character type	Kanji	Kana (2-byte/1-byte)	Alphabet (large/small, 2-byte/1-byte)	Digits (2-byte/1-byte)	Dial entry
✉	Switch character types Kana/alphabet/number conversion (when character type is "kanji" and entering characters) Change character type to "kanji" (when character type is type other than "kanji", "alphabet (1-byte)", or "digits (1-byte)") Switch pages/categories (when emoji, symbols, facemarks, or conversion candidates are selected)				—

Character Input

Character type	Kanji	Kana (2-byte/1-byte)	Alphabet (large/small, 2-byte/1-byte)	Digits (2-byte/1-byte)	Dial entry
🔄	Start range select Switch pages/categories (when emoji, symbols, facemarks, or conversion candidates are selected)				—

Character type	Kanji	Kana (2-byte/1-byte)	Alphabet (large/small, 2-byte/1-byte)	Digits (2-byte/1-byte)	Dial entry
⌫	Finalize characters and return to preceding state Restore deleted characters (up to 5 times in a row) Delete learned conversion candidates / search for conversion candidates in browser / search for and quote conversion candidates in other application (when character type is "kanji" or "alphabet (large/small, 1-byte)" and conversion candidates selected)				—

Character type	Kanji	Kana (2-byte/1-byte)	Alphabet (large/small, 2-byte/1-byte)	Digits (2-byte/1-byte)	Dial entry
◀	Move cursor left Select conversion candidate During prediction conversion, shorten the selected text range Delete 1 "*" character when entering ** (wild card)				—

Character type	Kanji	Kana (2-byte/1-byte)	Alphabet (large/small, 2-byte/1-byte)	Digits (2-byte/1-byte)	Dial entry
▶	Move cursor right Select conversion candidate During prediction conversion, enlarge the selected text range Enter 1 "*" character when entering ** (wild card) when unfinalized characters are entered (when character type is "kanji" or "alphabet (large/small, 1-byte)" and word prediction is "ON") When cursor is at end of text string, enter 1-byte space				—

Character type	Kanji	Kana (2-byte/1-byte)	Alphabet (large/small, 2-byte/1-byte)	Digits (2-byte/1-byte)	Dial entry
▲	Move cursor up Select conversion candidate				—

Character type	Kanji	Kana (2-byte/1-byte)	Alphabet (large/small, 2-byte/1-byte)	Digits (2-byte/1-byte)	Dial entry
▼	Move cursor down Select conversion candidate When cursor is at end of text string, linebreak				—

Character type	Kanji	Kana (2-byte/1-byte)	Alphabet (large/small, 2-byte/1-byte)	Digits (2-byte/1-byte)	Dial entry
クリア	Short-press....Delete 1 character to right of cursor If no characters are to right of cursor, delete 1 character to left of cursor Stop conversion (return to character entry screen)				Short-press....Delete 1 place
	Long-press....Delete all characters to right of cursor When cursor is at start or end of text string, delete all characters				Long-press....Delete all

◎ When entering characters, check that the following is selected: in the standby screen, ⦿ → [Settings] → [Other settings] → [Text input] → [Keyboard & input methods] and "SH Input". The Android keyboard (AOSP) does not support Japanese entry and it may not be possible to enter characters.

Making Calls

Entering a Phone Number and Making a Call

1 When the standby screen is displayed, enter phone number.

The dial screen is displayed and the number is entered.

- You can press ⟨📞⟩ in the standby screen to display the dial screen with no number entered.

⊙: Move cursor position

[クリア]: Delete digit to left of cursor

[クリア] (Long-press): Delete all digits

⟨📷⟩ (Addr. book): Display address book (▶P.55)

⟨📞⟩: Redial previous number*

* Available when no number is entered.

2 ⟨📞⟩ → Talk.

- ⊙ (Speaker/OFF): Hands-free call on/off
- ⟨📷⟩ (Mute/Unmute): Mute on/off
- ⟨✉⟩ (Address): Display address book (▶P.55)
- ⟨📷⟩ (Profile): Display profile (▶P.54)
- ⟨↕⟩/⟨A⟩/⟨T⟩: Adjust call volume (volume of other party's voice)

3 ⟨📞⟩.

You can select "Register to address book" to register a number in the address book that a call was made to.

- You can also fold the product to end a call.

◎ In functions including "Calculator", "Timer", "Schedule (Calendar)", and "Alarm", you can also quote numbers entered in the dial screen. Follow the on-screen display after entering the number. Usable functions depend on the number that was entered.

◎ Even when "In Call" is displayed, the other party may not have taken the call. Start talking after making sure that the other party has taken the call.

◎ Call charges for calls made with "1401" added are subtracted from the registered balance on an au prepaid card that you have bought.

◎ Note that even if you cover the mouthpiece, the sound can be conveyed to the other party.

◎ Even if "Airplane mode" is set, you can call to the emergency number (110, 119, 118) and Customer Service Center (157).

◎ You can press the dial keys during a call to send push signals for the entered number.

◎ To return to the call screen after activating an application during a call, press [クリア] to end the application.

■ Emergency Call Location Notification

The product supports "Emergency call location notification" so that if you make an emergency call to Police, Fire and Ambulance or Regional Coast Guard Headquarters, your current location (GPS information) will be transmitted to the agency receiving the emergency call.

◎ In this section, Police (110), Fire and Ambulance (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 Japan emergency call number 110/119/118, the emergency call responding 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 Police, Fire and Ambulance 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.

■ Using P (Pause) Dialing and Making a Call

Enter the push signals to send beforehand and then select "Yes" during the call to send the push signals. This is a convenient feature when using information services and automatic reservation services.

Example: To dial "03-0001-XXXX (bank phone number)" and send the branch "22X" and the account "123XX"

1 **Enter bank phone number "030001XXXX".**

2 **⊙ (Call etc) → [Add Prefix] → [Add P] → Enter the branch "22X".**

3 **⊙ (Call etc) → [Add Prefix] → [Add P] → Enter the account "123XX".**

You can enter P (pause) between numbers to enter several push signals at the same time.

4 **⌒ → [Yes] → [Yes].**

After dialing, a confirmation screen is displayed. Confirm that the destination has answered the call and then select "Yes". A push signal is sent each time you select "Yes" and press ⊙.

Using Call Histories and Making a Call

1 **When the standby screen is displayed, press ◯ (Outgoing)/ ◯ (Incoming).**

Press ◯ to toggle the outgoing and incoming call histories.

2 **Select contact to call from history → ⊙.**

The outgoing/incoming call history details screen is displayed.

• When a history with a group icon displayed is select and ▣ (Switch) is pressed, collected outgoing/incoming call history information is displayed.

3 **⌒.**

You can also dial by selecting the contact in the outgoing/incoming call history list and pressing ⌒.

◎ Up to 100 calls can be saved in the outgoing/incoming call histories. Once more than 100 calls are made/received, calls are deleted starting with the oldest. The number of calls that can be saved may be fewer depending on available memory.

Phone

■ Viewing the Outgoing/Incoming Call History Lists
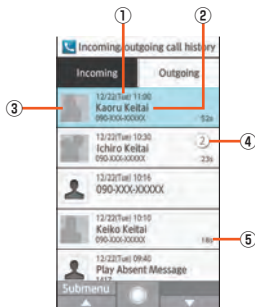
《Outgoing Call History List》
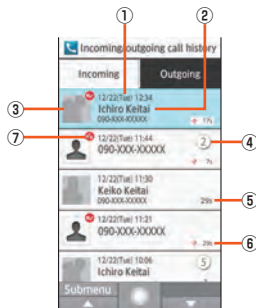
《Incoming Call History List》

① **Call date and time**
② **Name, number, reason for withheld number, network service information**
③ **Portrait photo registered in address book**
④ **Number of calls**

The number of calls are displayed for a same contact in the incoming/outgoing call histories.

⑤ **Call time**
⑥ **Ring time**
⑦ **Incoming call status icon**

　⊘ : Missed call
　● : Missed call (one-ring phone scam*)
　⊘ : Call rejected

* Missed calls of less than 3 seconds are deemed to be one-ring phone scam calls. These may be calls to get the customer to call back and connect them to a malicious pay-for program. Use caution.

Using Speed Dial and Making a Call

You can make calls quickly to contacts registered to speed dial.

Registering to Speed Dial

1 **When the standby screen is displayed, press ⊙ →
[Call/mail] → [Speed dial].**

2 **Select <Not registered> for the number to register →
⊙ (Register).**
- If a number is selected with a destination already registered,
operations such as dialing are available.

3 **Select the destination to register → ⊙ (Set).**

Dialing with Speed Dial

1 **When the standby screen is displayed, enter the
speed dial number (0 to 99).**

2 **⌒.**

◎ Entering an unregistered speed dial number and pressing ⌒
displays the speed dial list. From the list, you can dial or register
a new speed dial.

◎ If an e-mail address is registered to a destination registered in
speed dial, you can enter the speed dial number and press ✉
(Mail) to create e-mail.

Using Kantan Hasshin and Making a Call

You can use Kantan Hasshin (voice recognition) to make a call by
voice command to a speed dial contact without using the dial keys.
- For details on registering contacts to speed dial, refer to "Registering
to Speed Dial" (▶P.52).

1 **Open the product/In the standby screen, ✳ (hold
down).**
🔵 is displayed in the main display.
- If "Screen lock" is set, unlock the screen, then in the standby
screen, ✳ (hold down).

2 **Say the information for the contact into the product.**
Say the name of the contact and then say "Dennwa" or "Hasshin".
Example: "Bob, dennwa", "Taro, hasshin"

3 **Confirm the contact as displayed → [Yes].**

◎ This feature may not work correctly if several phone numbers are
given for a contact in the address book or several contacts by
the same name are registered.

Calling Overseas from au Phones (au International Call Service)

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

Example: To call "212-123-XXXX" in the USA from the product

1 **Enter the international access code "010".**
Entering ⓪ (hold down) in the dial screen enters a "+" and
adds "010" when the number is dialed.

2 **Enter the country code of the USA "1".**

3 **Enter the area code "212".**

If the area code starts with "0", dial it without including the "0" (There are some exceptions such as fixed-line phones in some countries or regions including Italy and Moscow).

4 **Enter the phone number of the other party "123XXXX" → ⌨.**

◎ You can also press ⌨ (Submenu) → [Add Prefix] → [International call] to enter the country code when entering a phone number.
◎ The monthly limit fee is set for the au International Call Service. The au International Call Service is unavailable from when the limit fee is confirmed to be exceeded until the end of the same month.
◎ Even if you cannot use the service by exceeding the limit fee, you can use from the first day of the next month. Also, you can use the domestic call as usual while the service is stopped.
◎ International call charges are billed together with monthly local call charges.
◎ If you do not wish to use the service, you can set not to use the au International Call Service.
For au International Call Service:
From au phones **157** (area code not required) (toll free)
From fixed-line phones 📳 **0077-7-111** (toll free)
Open 9:00 to 20:00 (everyday)

Receiving Calls

Answering an Incoming Call

1 **When a call is arriving, ⌨/◉.**

Press 📷 (Silent) to stop the ringtone.

2 **Talk → ⌨.**

◎ If you are not subscribed to LTE NET or LTE NET for DATA, disable "Data transmission" for "Mobile networks" and set "Network Mode" to "CDMA Home" before using the product.
◎ If a call arrives while using the address book, e-mail, etc., the call is given priority and the function can be used again once the call ends.

Putting a Call on Hold

1 **While a call is arriving, ⌨.**

The call is put on hold, and audio guidance plays for the caller.

2 **◉ (Answer).**

The call is taken off hold.

◎ You can also press ⌨ (Submenu) → [Hold answering] to put a call on hold.
◎ The call charges are charged on the other party who has made a call to you while the call is put on hold as well.
◎ Pressing ⌨ while a call is on hold ends the call put on hold.
◎ If you disable the hold state once, you cannot put the call on hold again.
◎ You can put the call on hold only when the product is used in Japan.

Rejecting an Incoming Calls

1 **While a call is arriving, ⊚ (Reject).**

The ringtone stops and the incoming call is disconnected. The other party will hear voice guidance.

◎ You can also press ⊞ (Submenu) → [Reject] to reject a call.

Sending SMS to an Incoming Call

1 **While a call is arriving, ⊞ (Submenu) → [Quick reply].**

2 **Select a message to send → ⊙.**

The incoming call is disconnected. The other party will hear voice guidance.

◎ You can select "Write your own..." with the message to create and send an SMS.
◎ You can edit the message to send beforehand with "Quick responses" in "Call settings".
◎ If the other party's phone number is not notified, Quick reply is not available. Also, Quick reply may not be available depending on the communication condition.
◎ A ring call is audible to the caller until the SMS is sent. Answering memo may answer the call before the SMS is sent.

Checking Your Phone Number

Checking Your Profile

1 **When the standby screen is displayed, press ⊙ → [Profile].**

Editing Your Profile

1 **When the standby screen is displayed, press ⊙ → [Profile] → ⊠ (Edit).**

The profile edit screen is displayed.

2 **Enter required items.**

3 **⊠ (Save).**

◎ Items to note when editing your profile are the same as for editing the address book. For details, refer to "Registering to the Address Book" (▶P.55).

Registering to the Address Book

You can register contact information including phone number and e-mail address. You can also set ringtone, vibration, etc. individually for contacts.

1 **When the standby screen is displayed, press ⊡ (hold down).**

The address book registration screen is displayed.

2 **Set required items.**

3 **⊠ (Save).**

◎ You can also press ⊠ (Add contact) in the contacts list (▶P.55) to add a new entry.
◎ If the number is a landline number, enter the area code first.
◎ If the name includes 1-byte letters and numbers, it may be displayed in the order of given name, family name.
◎ To register GPS information, "Location" must be set to "ON" beforehand.
◎ If a caller's number is withheld, "Ring Set" does not operate.
◎ Numbers and names registered in the address book can become erased due to accident or malfunction. Keeping a separate copy of numbers and other important information is recommended. The Company is not liable for any damages or lost profits whatsoever due to alteration or loss of contact information resulting from accident or malfunction.

Using the Contacts List

Displaying the Contacts List

1 **When the standby screen is displayed, press ⊡.**

When the contacts list is in "Group" view, a list of groups is displayed. Selecting a group displays a contacts list for that group.

■ **Viewing the Contacts List**
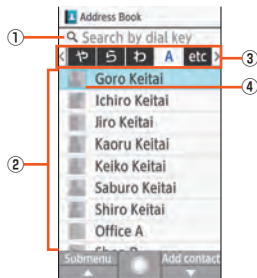
《**Contacts list (name order)**》

① **Search by dial key**

You can search for contacts by pressing the dial keys in the contacts list and entering yomigana readings. Pressing the ⌧ key deletes yomigana and ends search.

② **Contacts**

Contacts are displayed for the selected tab.

③ **Tabs**

④ **Face image**
　　A face image is displayed if registered.

◎ Press ⊙ to switch tabs.

Using Information Registered for Contacts

1 **When the standby screen is displayed, press ▦ → Select the contact → ⊙.**

■ Viewing Address Book Details

①ーIchiro Keitai
　　Keitai Ichiro
③ー(face image)

Call mobile
090-XXXX-XXXX
②
Work mobile
090-XXXX-XXXX　ー④

Email mobile
△△△▢▢▢@ezweb.ne.jp

Email home
▢▢+++▢@xxx.ne.jp

Submenu　Call etc　Edit

《Address Book Details》

① **Name**
② **Registered information**
③ **Face image**
④ **Main phone number/main e-mail address**

◎ You can create e-mail, etc. by selecting registered information and pressing ⊙.
◎ When several phone numbers or e-mail addresses are set, you can select a phone number/e-mail address and press ⊙ → [Set main phone number]/[Set main mail address] to set as the main phone number/e-mail address.
◎ You can press ▣ (Edit) to edit registered information.

Address Book

Sending E-mail

Sending an E-mail

1 When the standby screen is displayed, press ✉ (hold down) → [E-mail].

The e-mail create screen is displayed.

- If a screen for initial settings is displayed, follow the on-screen instructions to complete initial settings.

2 Select the destination entry field → ⬤ [Edit].

3

| Address Book	Enter an e-mail address from the address book as the recipient.
Send/Receive history	Select an e-mail address from the sent or received history as the recipient. • Select ⬚ (Submenu) → [Delete selected] → Select e-mail address → ⬤ → ⬚ (Delete) → [Yes] to delete history.
Mail Group	Enter all e-mail addresses registered for a group in the address book as the recipients. • If the number of e-mail addresses exceeds the limit, addresses are entered up to the limit.
Profile	Enter your own e-mail address as the recipient.
Direct entry	Enter a recipient directly.

4 Select the subject field → ⬤ (Edit) → Enter the subject → ⬤ (Done).

5 Select the mail text field → ⬤ (Edit) → Enter the text → ⬤ (Done).

6 ⬚ (Send).

◎ You can save e-mail to the unsent box without sending it by pressing ⬚ (Submenu) → [Save] before step **6**.

◎ デコレーションアニメ (decoration anime) is not supported.

◎ Up to 1000 e-mails as the total for all recipients can be sent in one day.

◎ One e-mail can be sent to up to 30 recipients (including To, Cc, Bcc, up to 64 1-byte characters per recipient) at a time.

◎ Emoji sent to an other-brand cell phone, PC, etc. may sometimes be converted to the other-brand emoji or may not be displayed properly. Emoji sent to another au phone may sometimes be converted to an older-version au emoji.

◎ Using "Sending reservation" enables e-mail to be sent at on specified date at a specified time or when returning from an out-of-range area where an au phone signal was not possible.

■ Adding Recipients

1 In the e-mail create screen, select the destination entry field → ⬤ (Edit).

2 Select <Enter destination> → ⬤ (Edit).

A submenu for selecting the recipient entry method is displayed. Refer to step **3** of "Sending an E-mail" (▶P.57).

3 ⬚ [Completed].

■ Deleting Recipients/Changing Recipient Categories

1 In the e-mail create screen, select the recipient entry field → ⬤ (Edit).

2 Select the recipient to delete/change → ⬚ (Submenu).

3	Change to To	Change category of selected recipient to "To".
	Change to Cc	Change category of selected recipient to "Cc".
	Change to Bcc	Change category of selected recipient to "Bcc".
	Delete	Delete selected recipient.

Receiving E-mail

Receiving an E-mail

1 Receive an e-mail in the standby screen.

Once an e-mail is received, you are notified of the new mail in the following ways.

- A notification for new e-mail is displayed in the status bar, and a ringtone sounds.

  If "Reception notification display" in "Mail settings" is set to "Sender", the name of the sender appears in the status bar. If the e-mail address is registered in the address book, the name registered there is given priority.

- A new e-mail icon is displayed in the standby screen, and ✉ in the status bar.
- The charging/incoming indicator flashes blue.
- If the product is folded, ✉ is displayed in the sub-display.

2 When the standby screen is displayed, press ✉ → [Inbox] → Select folder → ●.

The mail (e-mail/SMS) list is displayed.

3 Select the received e-mail → ●.

The received mail (e-mail) message is displayed.

◎ E-mail is received in the background even while using e-mail or other functions. ✉ is displayed in the status bar and a ringtone sounds.

◎ Packet fees may be incurred even if mail is not properly received due to reception conditions or the data being received.

◎ The maximum amount of data for the text body that can be received per e-mail is about 10KB.

◎ Received e-mail may not be correctly displayed depending on the content of the mail.

Inquiring for and Receiving New Mail

You can inquire for and receive new mail if "Auto-receive mail" is disabled or there was an e-mail receive failure.

1 When the standby screen is displayed, press ✉.

The mail menu is displayed.

2 ⊡ (Receive).

Confirm whether there is new e-mail.

- You can also inquire for new mail by pressing ⊡ (Receive) in the folder list.

Sending SMS

Send messages (mail text body) with kanji, hiragana, katakana, alphabet and numbers, emoji, symbols, and facemarks.
Before sending SMS overseas, enter "010" and the "country code" at the start of the phone number for the recipient.

"010" + "country code" + "phone number for recipient"

* If quoting the cell phone number for the recipient from the address book, etc., select the contact again and enter "010" and the "country code".
* If the cell phone number for the recipient starts with a "0", enter the number without the "0".

1 **When the standby screen is displayed, press ✉ (hold down) → [SMS].**

The SMS create screen is displayed.

2 **Select the destination entry field → ⦿ (Edit).**

3

Address Book	Enter a phone number from the address book as the recipient.
Send/Receive history	Select from the received mail history to enter a phone number as the recipient.
Profile	Enter your own phone number as the recipient.
Direct entry	Enter a recipient directly.

4 **Select the mail text field → ⦿ (Edit) → Enter the text → ⦿ (Done).**

5 **📷 (Send).**

◎ You can save SMS to the unsent box without sending it by pressing ▦ (Submenu) → [Save] before step **5**.
◎ SMS is held (accumulated) at the SMS center for 72 hours. SMS that has accumulated for more than 72 hours is erased. There is no limit on the number of SMS that can be held.
◎ It may not be possible for the SMS center to hold SMS depending on conditions of the receiving customer's phone/service use or the sending customer's phone model.
◎ Accumulated SMS is delivered at the following times:
  • Delivery soon after SMS accumulation: as new SMS is accumulated at the SMS center, all SMS that had been held is delivered.
  • Delivery with the retry function: if SMS cannot be delivered as soon as it has accumulated due to the recipient being where there is an inadequate signal or their phone is switched off, the retry function repeatedly sends SMS to the recipient for up to 72 hours.
  • Delivery after ending a call: if SMS cannot be delivered as soon as it has accumulated, all SMS that had been held at the SMS center is delivered as soon as the customer ends their call.
    * The time that SMS is delivered may differ with international SMS.
◎ When sending SMS, The number of the sender is displayed for the recipient regardless of the "Send caller ID" setting
◎ Emoji sent to an other-brand cell phone may sometimes be converted to the other-brand emoji or may not be displayed properly. Emoji sent to another au cell phone may sometimes be converted to an older-version au emoji.
◎ A ✖ may be displayed, although rarely, for a sent message that was sent successfully but where signal was weak, etc.
◎ For details on international SMS, refer to the au homepage.
  http://www.au.kddi.com/mobile/service/global/sms/

Receiving SMS

Checking SMS

1 Receive an SMS.

Once an SMS is received, you are notified of the new mail in the following ways.

- A new SMS icon is displayed in the standby screen, ✉ in the status bar, and a mail ringtone sounds.
- If the product is folded, ✉ is displayed in the sub-display.
- The charging/incoming indicator flashes blue.

2 When the standby screen is displayed, press ✉ → [Inbox] → Select folder → ⬤.

The mail (e-mail/SMS) list is displayed.

3 Select the SMS to check → ⬤.

The received mail (SMS) message is displayed.

◎ Receiving SMS is free.
◎ You can confirm the phone number of the sender with received SMS.
◎ Received SMS may not be correctly displayed depending on the content of the mail.

Checking the Inbox/Outbox

Received mail (e-mail/SMS) is saved in the inbox. Sent mail (e-mail/SMS) is saved in the outbox. Mail that is saved without being sent (e-mail/SMS) is saved in the unsent box.

1 When the standby screen is displayed, press ✉.
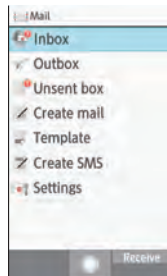
The mail menu is displayed.

- If there is unread mail (including mail where the mail text has not been received), the total number is displayed at the top right of the inbox icon.
- If there is unsent mail (including send failure mail, excluding drafts), the total number is displayed at the top right of the unsent box icon.

2 **[Inbox]/[Outbox].**

The folder list is displayed.
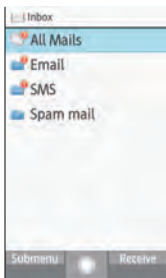
3 **[All Mails]/[E-mail]/[SMS].**

The mail (e-mail/SMS) list is displayed.

- If there is unread mail (including mail where the mail text has not been received), the total number is displayed at the top right of each folder icon.
- If "Spam mail" is selected in the inbox, you can check mail that was sorted as spam.

4 **Select the mail (e-mail/SMS) → ⬤.**

The mail (e-mail/SMS) message is displayed.

■ Viewing the Mail (E-mail/SMS) List
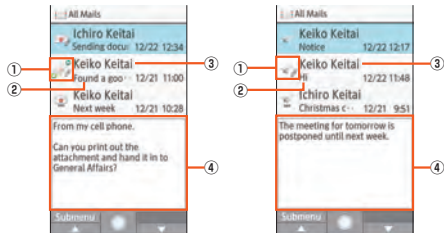
《Received Mail (E-mail/SMS) List》

《Sent Mail (E-mail/SMS) List》

《Unsent Mail (E-mail/SMS) List》

Mail

① ✉ : Unread/unsent e-mail
　　✉ : Read e-mail
　　✉ / ✉ : Unread e-mail with unreceived mail text / Read e-mail
　　　　　　with unreceived mail text
　　✉ : Unread/unsent SMS
　　✉ : Read SMS
　　✉ / ✉ : Sent e-mail/SMS
　　✉ / ✉ : E-mail/SMS saved as draft
　　❌ : E-mail text unreceivable due to no mail on server / Send
　　　　failure mail (e-mail/SMS) / Forwarding failure e-mail due to
　　　　no original mail (received mail) on server
　　🕐 : E-mail set as sending reservation
　　✉ / ✉ : SMS delivery report (unread) / (read)
　　➡ : Replied-to mail (e-mail/SMS)
　　➡ : Forwarded original mail (e-mail/SMS)
　　🔒 : Protected mail (e-mail/SMS)
　　📎 : Electronic file attached

② **Subject**

③ **Name, phone number, or e-mail address of recipient/sender**
　If the e-mail address or phone number is registered in the address
　book, the name registered in the address book is displayed.
　If display of a sender designation is set in the received e-mail, the
　set name is displayed.
　If the sender of an e-mail is not registered in the address book, and
　display of a sender designation is not set, the e-mail address is
　displayed.
　• If the e-mail address is registered in the address book, the name
　　registered in the address book is displayed with priority.
　If the sender of an SMS is not registered in the address book, the
　phone number is displayed.

④ **Mail text preview**
　You can view the mail text of the selected mail.

⑤ **Number of sending reservations (excluding drafts)**

■ Viewing a Mail (E-mail/SMS) Message
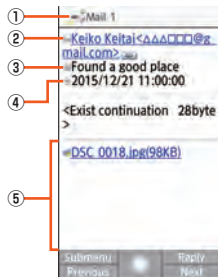
① — Mail 1
② — Keiko Keitai<△△△□□□@g
　　mail.com>
③ — Found a good place
④ — 2015/12/21 11:00:00
　　<Exist continuation　28byte
　　>
⑤ — DSC_0018.jpg(98KB)

Submenu　　　　Reply
Previous　　　　Next

《Received Mail (E-mail/SMS)
Message》

① — Mail 1
② — Keiko Keitai<△△△□□□@g
　　mail.com>
③ — Hi
④ — 2015/12/21 11:48:00
⑤ We're getting together at 19
　　:00 tonight. They seem to h
　　ave a good selection of win
　　es.

Submenu　　　　Edit
Previous　　　　Next

《Sent Mail (E-mail/SMS)
Message》

① — Mail 2
② — Keiko Keitai<△△△□□□@g
　　mail.com>
③ — I've been to that place bef
　　ore
④ — 2015/12/21 15:38:00
⑤ The food and the drinks we
　　re all good!

Submenu　　　　Edit

《Unsent Mail (E-mail/SMS)
Message》

Mail

62

① 📧 **: Read e-mail**
    📧 **: Read e-mail with unreceived mail text**
    📧 **: Read SMS**
    📧 / 📧 **: Sent e-mail/SMS**
    ❌ **: E-mail text unreceivable due to no mail on server / Send**
        failure mail (e-mail/SMS) / Forwarding failure e-mail due to
        no original mail (received mail) on server
    📧 **: Replied-to mail (e-mail/SMS)**
    📧 **: Forwarded original mail (e-mail/SMS)**
    📧 **: Protected mail (e-mail/SMS)**
    📎 **: Electronic file attached**
② 📧 **: Sender's name or e-mail address, phone number**
    📧 **: Recipient's name or e-mail address, phone number**
    • If there are several recipients, select " 📧 " and press ⊙ to
      display the list of recipients.
③ **Subject (e-mail only)**
④ **Received/sent date and time**
    • You can select " 📧 " and press ⊙ when a date or other
      event-related text is included in the mail text to display a calendar
      and enter an event (Enabled when the text is Japanese).
    • If "Delivery report" is "ON" for sent SMS, a " 📧 " is displayed
      when the recipient checks the SMS. You can select " 📧 " and
      press ⊙ to check the delivery report.
⑤ **Mail text**

◎ You can select mail (e-mail/SMS) saved as a draft in the unsent
   mail (e-mail/SMS) list to display the mail (e-mail/SMS) create
   screen and edit the mail.

■ Operations in the Mail Menu

1 **When the standby screen is displayed, press ⊠.**

2

Inbox	Display the received mail (e-mail/SMS) list. (▶P.61)
Outbox	Display the sent mail (e-mail/SMS) list. (▶P.61)
Unsent box	Display the unsent mail (e-mail/SMS) list. (▶P.61)
Create mail	Create a new e-mail. (▶P.57)
Template	Insert a message in a template and easily create and send a decorated mail.
Create SMS	Create a new SMS. (▶P.59)
Settings	Make mail settings (e-mail/SMS).

Mail

Using LINE

This communication app allows you to enjoy calling and texting as much as you want, any time and any place.

- Registration of an account is required for using LINE. For details on using LINE, from the LINE screen → [More] → [Settings] → [Help] and refer to the help.

1 When the standby screen is displayed, press ⦿ → [LINE].

The LINE top page is displayed.

When activating the first time, terms of use and a login screen are displayed. Confirm the content and follow the on-screen instructions.

After activating LINE, Touch Cruiser EX is enabled. For details on operating Touch Cruiser EX, refer to "Using Touch Cruiser EX" (▶P.35).

◎ Games and some other functions cannot be used on the product.

LINE

Accessing the Internet

You can access the Internet by packet communication or the wireless LAN (Wi-Fi®) function.

◎ Packet communication is available only with subscription to LTE NET or LTE NET for DATA.

Using Packet Communication

This product provides easy access to the Internet for packet communication with use of "LTE NET" or "LTE NET for DATA". Settings for connecting to the Internet with LTE NET are pre-installed on the product, and activating an application that requires an Internet connection automatically connects the product to the Internet.
To access the Internet with LTE NET for DATA, in the standby screen, ⊙ → [Settings] → [Communication/network] → [Network settings] → [Mobile networks] → [Au network settings] → [Advanced settings] → [Connection mode settings] → [LTE NET for DATA].

◎ Subscription to LTEフラット (LTE flat) or other packet communication flat-rate/discount service allows you to use an Internet connection with flat-rate charges.
For details on LTE NET, LTE NET for DATA, and packet communication flat-rate/discount services, refer to the latest au総合カタログ (au general catalog)/the au homepage.

■ Precautions when Using Packet Communication

- Using large-volume data communication, such as browsing websites containing images, downloading video and other data, and using applications that use data communication, results in high packet communication charges. Therefore, subscription to a flat-rate/discount service for packet communication charges is recommended.
- To prevent excessive burdens on the network, communication speed is sometimes reduced due to continued large-volume data transfers, busy network conditions, etc.

■ How to Confirm Your Packet Communication Charges

You can confirm your packet communication charges at the following URL.
https://cs.kddi.com/ (auお客さまサポート(au Customer Support))
- Subscription required for first-time use.

Using the Browser

You can use the browser to view webpages the same as with a PC.
- After a webpage is displayed in the browser, Touch Cruiser EX is enabled. For details on operating Touch Cruiser EX, refer to "Using Touch Cruiser EX" (▶P.35).
- When a webpage is displayed for the first time, a permission screen is displayed. Confirm the content and follow the on-screen instructions.

Using the Browser Menu

1 **When the standby screen is displayed, press ⊚.**
   The browser menu is displayed.

2

Homepage	Connect to the Internet and view webpages.
Bookmark	Use and manage registered bookmarks.
auお客さまサポート(au Customer Support)	Display the au Customer Support webpage.
URL input/ Web search	Enter a URL directly to display a site. You can also enter keywords to search for information on webpages.
History	Display the browsing history.
Downloads	Display the download history.
Settings	Change browser settings.

Operating the Browser with Touch Cruiser EX

You can use Touch Cruiser EX's features to smoothly browse webpages. For details on Touch Cruiser EX, refer to "Using Touch Cruiser EX" (▶P.35).
- After activating the browser, Touch Cruiser EX is enabled.

1 **Use Touch Cruiser EX to operate the browser.**
   Tap: select or finalize items.
   Flick: Long-touch the screen to display "◆" and then scroll up or down.
   Double-tap: Zoom out or in on images.

◎ If the ⊕ key does not respond while using the browser, enabling Touch Cruiser EX sometimes enables the cursor to be operable.

Internet

Before Using the Camera

- Fingerprints and smudges on the lens prevents capture of clear still pictures/video. Before capturing images, wipe the lens clean with a soft cloth. Rubbing forcefully may scratch the lens.
- Avoid fingers, hair, strap, etc. from covering the lens or mobile light during image capture. Hold the strap if it interferes with capture.
- If capturing images with the mobile light on, its light reflecting from fingers, a cover, etc. around the lens can cause capture still pictures/video to turn out whitish.
- When capturing video, avoid covering the microphone with fingers. Loudness of voices and surroundings during video capture may affect the sound quality of the microphone.
- When using the self-timer for image capture and the product is placed on an unstable surface, the product vibrating such as when a call arrives or other conditions may cause the product to fall.
- Even in manner mode, the focus lock beep and shutter click for still pictures and start and stop beeps for video sound. The volume cannot be adjusted.
- Exposure of the lens for extended periods to direct sunlight or other sources of strong light may discolor the internal color filter and cause discoloration in still pictures/video.
- Capturing or saving still pictures/video after the product has been left in a warm place for an extended period may affect the still pictures/video.
- The camera comprises high-precision components, and includes pixels that are always on or that do not light. Image capture in extremely dark conditions will result in blue, red, and white dots, etc.
- Release the shutter after confirming that the subject is properly displayed in the main display. Moving the camera while releasing the shutter may cause still pictures to be blurry.
- When capturing images indoors under fluorescent lighting, faint stripes may be visible on the screen from fluorescent light flickering (very faint, invisible to the human eye), but is not a malfunction.
- The color of still pictures/video captured with the product camera may differ from the actual subject. Images may appear partially darker or brighter due to the characteristics of the lens and depending on the subject and illumination when capturing. Subjects may also appear partially distorted.
- Subjecting the product to shock while capturing images may cause the camera to lose focus. If focus is lost, activate the camera again.
- Focusing may not be possible for the following types of subjects.
  · Low-contrast subjects such as plain walls
  · Subjects with strong backlighting
  · Shiny subjects that reflect light brightly
  · Subjects with a pattern that repeats horizontally such as blinds
  · Several subjects with differing distances from the camera
  · Subjects in dark conditions
  · Fast-moving subjects
- Do not shine the mobile light near eyes. Do not look directly into shining mobile light. Do not shine mobile light at other persons' eyes. Doing so may affect vision or cause other impairment.
- Faint sound may audible when using the camera such as when activating the camera. This is from the internal components and is normal.
- Directly capturing the sun, a lamp, or other strong source of light may cause still pictures/video to be dark or noise may appear.
- The screen may appear momentarily white or dark when capturing a moving subject or when moving from light to dark conditions. Noise may also momentarily appear.
- Noise may increase and result in grainy still pictures when capturing in dark conditions.
- Immediately after switching camera modes or changing camera settings, it may take time for brightness, color, etc. to be displayed optimally.
- Creating a public nuisance with use of the product camera may be punishable by law.
- If the battery level is less than ▇ (about 10%), the camera cannot be activated.

- It may not be possible to use the camera in the following instances.
  - When the temperature of the product is high after using for an extended period
  - When using the product in extremely low temperatures such as outdoors in the winter
  - When other applications are activated

Capturing Still Pictures/Video

You can capture still pictures and video. You can also switch camera settings to match the subject you want to capture.
After activating the camera, Touch Cruiser EX is enabled. For details on operating Touch Cruiser EX, refer to "Using Touch Cruiser EX" (▶P.35).

■ Capturing Still Pictures

1 **When the standby screen is displayed, press ⟨⟩.**

The still picture viewfinder is displayed.
⟨⟩: Zoom in/zoom out
⟨⟩: Adjust brightness
⟨⟩ (Settings): Display camera settings menu
⟨⟩ (Preview): Display captured still pictures
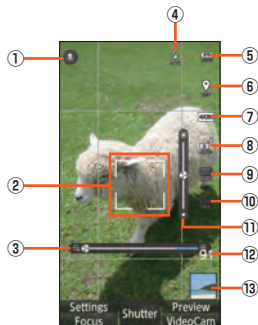⟨⟩ (Focus): Lock focus
⟨⟩ (VideoCam): Switch to video capture
⟨⟩: Toggle screen icon show/hide

2 **⟨⟩ (Shutter)/[シャッター/マナー]**

The still picture is captured and saved.

■ Viewing the Still Picture Viewfinder

《Still Picture Viewfinder》

① **Voice recognition**
② **Focus mark**

If "Face AF" is set, faces are detected for focusing. You can specify where to focus by tapping the subject's position with the pointer.

③ **Zoom**
④ **Flashlight**
⑤ **Capture mode**
⑥ **Auto-add location information**
⑦ **Resolution**
⑧ **NightCatch**

⑨ **HDR**

⑩ **HQ mode**

⑪ **Adjust brightness**

⑫ **Shots remaining**

　　Displayed when 99 or fewer shots remain.

⑬ **Minipreview**

　　Display thumbnail of preceding captured data.

◎ Select an icon or minipreview with the Touch Cruiser EX pointer to activate the function corresponding to the icon or play a captured still picture.

■ Capturing Video

1 **When the standby screen is displayed, press ⬚ (hold down).**

The video viewfinder is displayed.

⬚: Adjust brightness
⬚: Zoom in/zoom out
⬚ (Settings): Display camera settings menu
⬚ (Preview): Play back captured video
⬚ (StillCam): Switch to still picture capture
⬚: Toggle screen icon show/hide

2 **⬤ (Start)/[シャッター/マナー].**

Video capture begins.

・ You can press ⬚ (capture) during recording to capture a still picture.

3 **⬤ (Stop)/[シャッター/マナー].**

Capture ends and the video is saved.

■ Viewing the Video Viewfinder
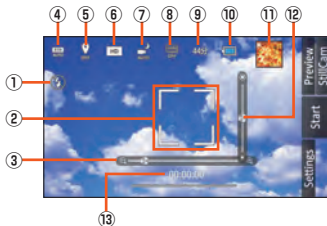
《**Video Viewfinder**》

① **Mobile light**

② **Focus mark**

③ **Zoom**

④ **Capture mode**

⑤ **Auto-add location information**

⑥ **Video Size**

⑦ **NightCatch**

⑧ **HDR**

⑨ **Recording time remaining**

⑩ **Battery level**

⑪ **Minipreview**

　　Display thumbnail of preceding captured data.

⑫ **Adjust brightness**

⑬ **Capture time**

◎ Select an icon or minipreview with the Touch Cruiser EX pointer to activate the function corresponding to the icon or play a captured video.

1Seg

1Seg is a digital terrestrial TV broadcast service for mobile devices, and allows reception of image and audio as well as data broadcast.

For details on the "1Seg" service, refer to the below website.
The Association for Promotion of Digital Broadcasting
http://www.dpa.or.jp/

■ Precautions when Using 1Seg

- No communication charges or packet communication charges are incurred for using 1Seg. However, packet communication charges are incurred for use of additional services associated with data broadcast that use data transmission. Regarding NHK reception fees, inquire with NHK.
- While displaying the 1Seg screen, the product may become warm and cause low-temperature burns, etc. if used in contact with the skin for an extended period.
- Listening at a volume that is loud to the ears continuously for an extended period may affect hearing.
- 1Seg is for digital terrestrial TV broadcast 1Seg in Japan only.
- Overseas, 1Seg cannot be used due to differing broadcast formats and frequencies. Also, BS and 110-degree CS digital broadcasts cannot be viewed.
- Do not use 1Seg while operating a vehicle or riding a bicycle, motorcycle, etc. or while walking. Doing so may prevent surrounding sound from being heard and may distract you, causing a traffic accident.

■ Signal

Signal may be weak in the following places and may affect picture/sound quality or prevent reception.

- Areas that are distant from or extremely close to the broadcast station
- In a moving train/car, underground shopping district, tunnel, indoors, etc.
- In a valley or shade of a building
- Near high-power lines, neon lighting, a radio station, railway track, highway, etc.
- Other places where interfering signals are strong or signals are blocked

To improve signal reception, try the following.

- When viewing indoors, view near a window for better reception.

■ TV Antenna

The product has a built-in antenna.

■ Operation Based on Battery Level

TV cannot be activated if the battery level is less than ▮▮▮ (about 10%).

1Seg

Making Initial TV Settings

Set a channel list for viewing the first time activating TV. Once settings are complete, you can view TV programs.

1 **When the standby screen is displayed, press ⦿ → [Tools] → [TV (One Seg)].**

If a license screen is displayed, confirm the content and select "Agree".

2 **[Create by selecting the area].**

If the area cannot be determined, select "Create by searching channels" and follow the on-screen instructions.

3 **Select the region → ⦿.**

4 **Select the prefecture → ⦿.**

5 **Select the area → ⦿.**

Scanning for broadcast stations starts.

6 **Confirm the channel list → 📷 (Set).**

Viewing TV Programs

Viewing a TV Program

1 **When the standby screen is displayed, press ⦿ → [Tools] → [TV (One Seg)].**

📷 (Data mode/TV mode): Switch data operation mode/TV viewing mode

🔄 (Rotate): Switch screen display between vertical and horizontal

■ Key Operation in TV Viewing Mode

You can switch channels and adjust volume.

🔼*1*2/🔼*2/🔽*2 : Adjust volume (volume at 15 levels or mute)

◀▶*1: Switch channels, hold down to search channels

⓪ to ⑨ , ✳ , # : Switch channels

📞: End

*1 Operation depends on the screen view.
*2 While connected by Bluetooth®, volume adjustment from a Bluetooth® remote control is possible.
However, may not be possible depending on the Bluetooth® device.

■ Key Operation in Data Operation Mode

You can use information (data broadcast) in the information display area.

🔼: Move cursor, scroll

⓪ to ⑨ , ✳ , # : Select item as assigned by contents

⦿: Select item

クリア: Go back one page in data broadcast

◎ When activating TV or changing channels, it may take time to obtain data for data broadcast and TV image due to digital broadcasting characteristics.
◎ Image and sound may be disrupted or stop due to signal conditions.
◎ The camera is unavailable while TV is activated.
◎ No communication charges or packet communication charges are incurred for viewing data broadcast. However, packet communication charges are incurred for accessing related sites in information obtained from data broadcast or obtaining additional information.

■ Viewing the TV Screen

《TV Screen》

① **Program information**
Displays the program title and station name.
② **Image**
③ **Subtitles**
If subtitles are enabled, subtitles are displayed in the subtitle area.
④ **Information display area**
⑤ **Volume**

Displaying the Settings Menu

Set and manage functions from the settings menu.

1 **When the standby screen is displayed, press ⊙ → [Settings]**

Item	Description
Wallpaper/display	Set wallpaper and screen brightness, change text fonts, etc.
Sound/lamp	Change manner mode settings, volume and sound of ringtone, etc.
au ID setting	Set an au ID.
Lock/security	Set product lock and security feature and secret mode.
Energy saving/ battery	Set energy saving mode and check battery usage.
Wi-Fi	Set Wi-Fi®.
Bluetooth	Set Bluetooth®.
Communication/ network	Make network settings for airplane mode, tethering, VPN, etc.
Data transfer/reset	Transfer data or initialize the product.
Other settings	Set the date and time, select language, screensaver, etc.

Introduction of Peripheral Devices

■ **Battery Pack (SHF31UAA) (sold separately)**
■ **au Carrying Case F Black (0105FCA) (sold separately)**
 au Carrying Case G Black (0106FCA) (sold separately)
 au Carrying Case H Black (0107FCA) (sold separately)
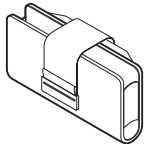
au Carrying Case F Black

■ **Common AC Adapter 03 (0301PQA) (sold separately)**
 Common AC Adapter 05 (0501PWA) (sold separately)
 Common AC Adapter 03 Navy (0301PBA) (sold separately)
 Common AC Adapter 03 Green (0301PGA) (sold separately)
 Common AC Adapter 03 Pink (0301PPA) (sold separately)
 Common AC Adapter 03 Blue (0301PLA) (sold separately)
 AC Adapter JUPITRIS (White) (L02P001W) (sold separately)
 AC Adapter JUPITRIS (Red) (L02P001R) (sold separately)
 AC Adapter JUPITRIS (Blue) (L02P001L) (sold separately)
 AC Adapter JUPITRIS (Pink) (L02P001P) (sold separately)
 AC Adapter JUPITRIS (Champagne) (L02P001N) (sold separately)
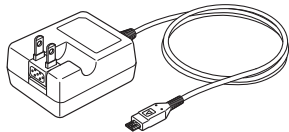
Common AC adapter 05

• Illustrations and forms may not match depending on the AC adapter you use.

■ **Common DC adapter 03 (0301PEA) (sold separately)**
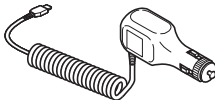
■ **Portable charger 02 (0301PFA) (sold separately)**
■ **Desktop holder (SHF31PUA) (sold separately)**
■ **microUSB cable 01 (0301HVA) (sold separately)**
■ **Sharp microUSB 3.5mm conversion cable 01 (SHX11QVA) (sold separately)**

◎ For the latest information about available peripheral devices, check the au homepage (**http://www.au.kddi.com/english/**) or contact Customer Service Center.
◎ The product does not support ASYNC/Fax transmission.
◎ The above-mentioned peripheral devices can be purchased from au Online Shop. You may not be able to purchase one depending on the stock status.
 http://auonlineshop.kddi.com/

Using an Earphone Microphone with Switch/Earphone Microphone/Earphone

You can connect a "Sharp microUSB 3.5mm conversion cable 01 (sold separately)" to the product and use an earphone.

1 **Insert microUSB plug of Sharp microUSB 3.5mm conversion cable 01 (sold separately) in external connection jack on product in direction shown, confirming its orientation.**

External connection jack

Protruding edges

Sharp microUSB 3.5mm conversion cable 01 (sold separately)
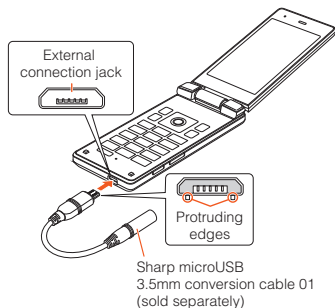
2 **Insert earphone microphone with switch, earphone microphone, or earphone in earphone jack of sharp microUSB 3.5mm conversion cable 01 (sold separately).**

■ **Answering a Call with an Earphone Microphone with Switch**

1 **Press switch on earphone microphone with switch while call is arriving.**
To end the call, press the switch on the earphone microphone with switch again.

◎ You may not be able to use this feature depending on the type of earphone microphone with switch or earphone microphone.
◎ For information on operation-tested 3.5mm-plug earphone microphone with switch, (commercially available), refer to the following support page.
http://k-tai.sharp.co.jp/support/a/shf31/

Troubleshooting

Before you assume that the product is malfunctioning, check the following:

Trouble	Detail
Battery usage time is short.	• Make sure you do not often use the product in places where 📶 (out of service area) is displayed. (▶P.38) • Is the battery charged enough?
Cannot make calls.	• Is an au Nano IC Card (LTE) inserted? (▶P.35) • Was the number entered correctly? (Was the area code entered?) (▶P.49) • Is "Airplane mode" set? (▶P.38) • Is the power turned on? • Did you press 📞 after entering the number? (▶P.49)
Cannot receive calls.	• Is reception good enough? (▶P.38) • Is the product within the service area? (▶P.38) • Is "Airplane mode" set? (▶P.38) • Is the power turned on? • Is an au Nano IC Card (LTE) inserted? (▶P.35)
1Seg is not displayed, image stops, audio stops, noise appears.	• Is the digital terrestrial TV broadcast signal adequate? (▶P.38) • Is your hand covering the TV antenna area? (▶P.34)
Camera does not operate.	• Is the battery low? (▶P.38) • Check how to use the camera. (▶P.67)
Cannot operate the keys panel.	• Turn off the power and then turn it on. • Is the power turned on?

Trouble	Detail
Cannot operate/The screen does not respond/Cannot turn off the power.	• You can force the power off by holding down 📵 for at least 8 seconds and releasing your finger after the product vibrates. Turn the product on again after a while.
The power is turned off automatically.	• Make sure the battery has not run out.
The power is turned off while the wake-up logo is displayed.	• Make sure the battery has not run out.
📶 (out of service area) is displayed.	• Is reception good enough? (▶P.38) • Is the product within the service area? (▶P.38) • Is your hand off the area around the internal antenna? (▶P.34) • Is the au Nano IC Card (LTE) inserted? (▶P.35) • Is the "Network Mode" correct?
A message indicating that charging is necessary is displayed.	• The battery is almost empty. (▶P.38)
The product answers calls when it shouldn't.	• Is Answering memo set? (▶P.38) • Is manner mode set? (▶P.38) • Is auto answer set?

Appendix

Trouble	Detail
When making a call, a beeping sound is heard from the earpiece and a connection cannot be established.	• Is reception good enough? (▶P.38) • Is the product within the service area? (▶P.38) • The line traffic is busy or the other party is in a call. Dial again.

If symptoms do not improve after checking each of the above, information is provided through au Customer Support on the au homepage below.

http://www.au.kddi.com/english/support/

Updating Software

The product supports the software update.
The software update function can also be used for operating system updates. An operating system update is a software update which also includes updating of the product's operating system.

1 **When the standby screen is displayed, press ⊙ → [Settings] → [Other settings] → [Device info] → [Software update].**

The first time activating this feature, an important notice confirmation screen is displayed. Confirm the content and select "OK" → ⊙.

2

Software update	Check whether a software update is necessary or not. Press ⊙ (Exec) to start a check. When an update is necessary, you can download data for a software update. • To update immediately, press ⊙ (Exec) and follow the on-screen instructions. • To update later, select "後で更新" to end the application. 🔂 is displayed in the status bar. To update software, select "Software update" in the status bar and follow the on-screen instructions. • If a software update is possible, "新しいソフトウェアのダウンロードが可能です。" is displayed. If an operating system update is possible, "OSアップデートが可能です。" is displayed.

Auto-check settings	Set whether to regularly check presence of data for software update available. • If set to "Auto-check", ⚡ is displayed in the status bar when a software update is required. Select "Software update" in the status bar and follow the on-screen instructions.

■ Notes on Software Update

- You are charged for data communication when connecting to the Internet from the product by using packet communication. Large-volume data communication occurs in particular for operating system updates. Use of Wi-Fi® is recommended.
- When software update is necessary, you will be informed on au homepage, etc. For details, contact an au shop or Customer Service Center (call toll-free 157). In addition, users of the product will receive a notice from au, when software update is necessary to improve the functionality of the product.
- It is recommended to back up your data before updating software.
- If the software update is performed, the product will reboot before and after the update.
- If the software update has failed or stopped, perform the same procedures again.
- If the software update fails, it may become impossible to operate the product. If this happens, bring it to an au shop or PiPit (not accepted by some shops).
- Charge the battery sufficiently before starting update. If the battery level is insufficient or the battery runs out during the update, the software update will fail.
- Check out the signal reception status. The software update may fail if the product is in a place with bad signal reception status.

- Various data registered on the product (address books, mails, still pictures, music data, etc.) and information of settings will not be changed even after software is updated. However, note that data may not be protected depending on the state of the product (fault, damage, getting wet with water, etc.).
- After software is updated, the download of next update software may automatically start (consecutive update).
- During international roaming, the software update function can only be used with a Wi-Fi® connection. As this function cannot be used without a Wi-Fi® connection, be sure to first connect via Wi-Fi® before updating software.
- After you have updated the operating system, you cannot return it to the previous version.

Do not conduct the following operations during the software update

- Do not move during software update.

The following operations are not available during the software update

- Operations are not available during software update. Making a call to 110 (Police), 119 (Fire and Ambulance), 118 (Regional Coast Guard Headquarters) or 157 (Customer Service Center) is not available either. Also, the alarm etc. does not function.

After-Sales Service

■ When Asking for Repair

For repair, contact Keitai Guarantee Service Center.

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

◎ 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.

◎ au cell phones collected by Replacement cell phone delivery service which you used before are recycled to cell phones for replacement after repairs. Also parts replaced by au after-sales service are collected and recycled by the Company. They are not returned to customers.

■ Performance Parts for Repair

The Company retains performance parts for repair of the SHF31 main unit and its peripheral devices for 4 years after discontinuation of production.

"Performance parts for repair" refers to parts required for maintaining the functions of the product.

■ Warranty Card

At the store of purchase, thoroughly check and read the name of the retailer, date of purchase and other necessary details filled in on the warranty card, and be sure to keep it in a safe place.

■ Keitai Guarantee Service Plus LTE

An after-sales service membership program on a monthly basis called "Keitai Guarantee Service Plus LTE" (monthly fee: 380 yen, tax excluded) 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. For details of this service, check on the au homepage or contact Keitai Guarantee 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 "Keitai Guarantee Service Plus LTE" membership is also handed over to the successor of the cell phone.

◎ When you get a new au cell phone by changing the model, purchasing an extra cell phone, etc., the "Keitai Guarantee Service Plus" or "Keitai Guarantee Service Plus LTE" membership for the old au cell phone is automatically canceled.

◎ Service contents are subject to change without notice.

■ au Nano IC Card (LTE)

The au Nano IC Card (LTE) 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.

■ After-Sales Service

If you are unsure about anything regarding after-sales service, contact the following service counter.

Customer Service Center (service cancellation procedure in case of loss or theft)

From a fixed-line phone, 🆓 **0077-7-113** (toll free)
From an au cell phone, **113** without area code (toll free)
Business hours: 24 hours (7 days a week)

Keitai Guarantee Service Center (for loss, theft or damage)

From a fixed-line phone/an au cell phone,
🆓 **0120-925-919** (toll free)
Business hours 9:00 to 21:00 (7 days a week)

Servicing requests online (24 hours)

* From the product, PCs and smartphones only
https://cs.kddi.com/support/n_login.html

- Applications for servicing can be made via the Internet for "damage", "water seepage", "theft", or "loss". Naturally-occurring malfunction (power does not turn on, the screen is frozen, etc. due to causes other than damage or water seepage) require consultation by telephone.
- Applications via the Internet require that you provide your e-mail address.

■ au After-Sales Service Information

Service contents	Keitai Guarantee Service Plus LTE member	Non-Keitai Guarantee Service Plus LTE member
Replacement cell phone delivery service (spontaneous failure: 1st year)	Free	N/A
Replacement cell phone delivery service (spontaneous failure: 2nd year and later)	Customer charge 1st: 5,000 yen 2nd: 8,000 yen	N/A
Replacement cell phone delivery service (partial damage, water soak, irreparable damage, theft and loss)	Customer charge 1st: 5,000 yen 2nd: 8,000 yen	N/A
Holding over and repair (spontaneous failure: 1st year)	Free	Free
Holding over and repair (spontaneous failure: 2nd year and later)	Free (three-year warranty)	Actual cost
Holding over and repair (partial damage)	Customer charge Upper limit: 5,000 yen	Actual cost
Holding over and repair (water soak and irreparable damage)	Customer charge 10,000 yen	Actual cost
Holding over and repair (theft and loss)	N/A	N/A (By model replacement)

* Charge amounts are all tax excluded.

Replacement cell phone delivery service

◎ When you have trouble with your au cell phone, you can have a cell phone for replacement (same model and color as your old one, new battery pack included) delivered to any destination that you specify by calling us. Please return your old faulty au cell phone within 14 days after the cell phone for replacement is delivered to you.

◎ You can use this service up to twice within one year starting from the day when you first use this service. If you have not used this service over the past one year at the time of your application for this service, the application will be regarded as your first time. If you have, the application will be regarded as your second time.

  * For details, check on the au homepage.

Holding over and repair

◎ Damages and malfunctions intentionally caused by the customer as well as those due to modification (e.g. disassembly, change of parts, painting, etc.) by the customer are not covered by this service.

◎ You cannot receive a refund for replacement of the outer casing due to stains, scratches, paint removal, etc. on the outer casing.

Main Specifications

Main display	Approx. 3.4 inches, approx. 16.77 million colors, TFT, 960×540 (QHD)
Sub display	Approx. 0.9 inches, 1 color, OEL display
Weight	Approx. 128 g (including the battery pack)
Size (W×H×D)	Approx. 51 mm×113 mm×16.9 mm (thickest part approx. 17.4 mm)
Memory (built-in)	ROM: Approx. 8 GB RAM: Approx. 1 GB
Continuous talk time (in Japan)	Approx. 620 min.
Continuous talk time (overseas (GSM))	Approx. 390 min.
Continuous standby time (in Japan)	Approx. 470 hours (while 4G (LTE) is used) Approx. 610 hours (while 3G is used)
Continuous standby time (overseas (GSM))	Approx. 610 hours
Continuous tethering time	Approx. 280 min. (4G (LTE) on WAN) Approx. 380 min. (3G on WAN)
Maximum Wi-Fi® tethered connections	10 devices
Charging time	Common AC adapter 05 (sold separately): Approx. 110 min. Common DC adapter 03 (sold separately): Approx. 180 min.
1Seg continuous watching time[*1]	Approx. 6 hours and 20 min.

Camera device	CMOS image sensor
Effective pixels	Approx. 13.10 million pixels
Bluetooth® function	Communication method: Bluetooth® Standard Ver.4.0 Output: Bluetooth® Standard Power Class 1 Communication distance*2: Within 10 m with no obstacles in the range Compatible Bluetooth® profiles*3: HSP, HFP, A2DP, AVRCP, OPP, SPP, PBAP*4, HID, PAN, PAN NAP, PAN U, SCMS-T, HOGP*5, DUN*6 Frequency bands: 2.4 GHz band
Network environment	Wireless LAN (Wi-Fi®) function: IEEE802.11b/g/n (2.4 GHz) conformant
Interface	microUSB jack

*1 Possible continuous watching time depends on usage conditions.
*2 It changes according to objects obstructing devices and signal reception.
*3 This is the specification provided in Bluetooth® standards for making communication between Bluetooth® compatible devices in accordance with their intended use.
*4 Some contents of address books data may not be properly displayed on the device of the other party.
*5 This profile supports Bluetooth® Standard Ver.4.0.
*6 Supported for some car navigation systems only. See the au homepage for usage.

◎ The continuous talk time and continuous standby 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.

Appendix

Specific Absorption Rate (SAR) of Cell Phones

This model 【SHF31】 cell phone complies with Japanese technical regulations for exposure to radio waves and international guidelines on radio wave protection.

This cell 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 body. The SAR limit for cell phones is 2.0 W/kg. The highest SAR value for this cell phone when tested for use at the ear is 0.484 W/kg, and when worn on the body, is 0.562 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 cell phone while talking on the phone can be well below that indicated above. This is due to the cell phone being designed to only output 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 cell phone.

This cell phone can be used in positions other than against your ear. Use a carrying case or similar accessory that holds the phone at least 1.5 cm separated from the body and ensure no metal parts are located between you and the cell phone. Under these conditions, this cell phone satisfies Japanese technical regulations and international guidelines for radio wave protection.

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

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

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/index02.html
○ SHARP homepage:
http://www.sharp.co.jp/products/menu/phone/cellular/sar/index. html
○ au homepage:
http://www.au.kddi.com/english/

*1 Technical regulations are defined by the Ministerial Ordinance Related to the Radio Law (Article 14-2 of Radio Equipment Regulations).
*2 The value is under simultaneous transmission use condition.

CE Declaration of Conformity

$C \epsilon 0168$

In some countries/regions, such as France, there are restrictions on the use of Wi-Fi®. If you intend to use Wi-Fi® on the handset abroad, check the local laws and regulations beforehand.

Hereby, Sharp Telecommunications of Europe Ltd, declares that this SHF31 is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC.
A copy of the original declaration of conformity can be found at the following Internet address:
http://www.sharp.co.jp/k-tai/

■ Mobile Light

Do not point the illuminated light directly at someone's eyes.
Be especially careful not to shoot small children from a very close distance.
Do not use Mobile light near people's faces. Eyesight may be temporarily affected leading to accidents.

■ AC Adapter

Any AC adapter used with this handset must be suitably approved with a 5Vdc SELV output which meets limited power source requirements as specified in EN/IEC 60950-1 clause 2.5.

■ Battery - CAUTION

Use specified Charger only.

Non-specified equipment use may cause malfunctions, electric shock or fire due to battery leakage, overheating or bursting.

The battery is embedded inside the product. Avoid removing the embedded battery since this may cause overheating or bursting.

Do not dispose of the product with ordinary refuse. Take the product to an au Shop, or follow the local disposal regulations.

Charge battery in ambient temperatures between 5°C and 35°C; outside this range, battery may leak/overheat and performance may deteriorate.

■ Volume Level Caution

To prevent possible hearing damage, do not listen at high volume levels for long periods.

■ Headphone Signal Level

The maximum output voltage for the music player function, measured in accordance with EN 50332-2, is 125 mV.

■ European RF Exposure Information

Your mobile device is a radio transmitter and receiver. It is designed not to exceed the limits for exposure to radio waves recommended by international guidelines. These guidelines were developed by the independent scientific organization ICNIRP and include safety margins designed to assure the protection of all persons, regardless of age and health.

The guidelines use a unit of measurement known as the Specific Absorption Rate, or SAR. The SAR limit for mobile devices is 2 W/kg and the highest SAR value for this device when tested at the ear is 0.370 W/kg[*] and when worn on the body is 0.514 W/kg[*].

For body-worn operation, this mobile device has been tested and meets the RF exposure guidelines when used with an accessory containing no metal and positioning the handset a minimum of 1.5 cm from the body. Use of other accessories may not ensure compliance with RF exposure guidelines.

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

The World Health Organization has stated that present scientific information does not indicate the need for any special precautions for the use of mobile devices. They note that if you want to reduce your exposure then you can do so by limiting the length of calls or using a hands-free device to keep the mobile phone away from the head.

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

FCC Notice

- This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:
  (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.
- Changes or modifications not expressly approved by the manufacturer responsible for compliance could void the user's authority to operate the equipment.

■ Information to User

This equipment has been tested and found to comply with the limits of a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation; if this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

1. Reorient/relocate the receiving antenna.
2. Increase the separation between the equipment and receiver.
3. Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
4. Consult the dealer or an experienced radio/TV technician for help.

■ FCC RF Exposure Information

Your handset is a radio transmitter and receiver. It is designed and manufactured not to exceed the emission limits for exposure to radio frequency (RF) energy set by the Federal Communications Commission of the U.S. Government.

The guidelines are based on standards that were developed by independent scientific organizations through periodic and thorough evaluation of scientific studies. The standards include a substantial safety margin designed to assure the safety of all persons, regardless of age and health.

The exposure standard for wireless handsets employs a unit of measurement known as the Specific Absorption Rate, or SAR. The SAR limit set by the FCC is 1.6 W/㎏.

Highest SAR value:

Model	SHF31
FCC ID	APYHRO00215
At the Ear	0.56 W/㎏
On the Body	1.30 W/㎏

This device was tested for typical body-worn operations with the back of the handset kept 1.0 cm from the body. To maintain compliance with FCC RF exposure requirements, use accessories that maintain a 1.0 cm separation distance between the user's body and the back of the handset. The use of belt clips, holsters and similar accessories should not contain metallic components in its assembly.

The use of accessories that do not satisfy these requirements may not comply with FCC RF exposure requirements, and should be avoided.

The FCC has granted an Equipment Authorization for this model handset with all reported SAR levels evaluated as in compliance with the FCC RF emission guidelines. SAR information on this model handset is on file with the FCC and can be found at http://transition.fcc.gov/oet/ea/fccid/ under the Display Grant section after searching on the corresponding FCC ID (see table above).

Additional information on Specific Absorption Rates (SAR) can be found on the FCC website at http://www.fcc.gov/encyclopedia/radio-frequency-safety.

Export Administration Regulations

The product and its accessories may be subject to the Japan Export Administration Regulations ("Foreign Exchange and Foreign Trade Law" and its related laws). In addition, U.S. Re-export Regulations (Export Administration Regulations) may apply to the product and its accessories. To export and re-export the product and its accessories, take the required measures on your responsibility and at your expenses. For details on the procedures, contact the Ministry of Economy, Trade and Industry or the U.S. Department of Commerce.

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The names of operating systems (Japanese versions) used in this manual are as follows.

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- Windows 7 is the abbreviation for Microsoft® Windows® 7 (Starter, Home Basic, Home Premium, Professional, Enterprise, Ultimate).
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