au

AQUOS SERIE

SHV32

Notes on Usage

- In this manual, the "AQUOS SERIE SHV32" is abbreviated as the "SHV32" or the "product".
- In this manual, "microSD™ memory card (commercially available)", "microSDHC™ memory card (commercially available)" and "microSDXC™ memory card (commercially available)" are abbreviated as "microSD memory card" or "microSD".
- For illustrations and descriptions in this manual, refer to "Basic Manual" available on the au homepage and on the product.

When Using the Product

Before using the product, be sure to read the "Safety Precautions" for proper use.

If you think the product may be malfunctioning, first check symptoms with au Customer Support on the au homepage.

http://www.au.kddi.com/support/mobile/trouble/repair

- 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/WiMAX 2+/GSM/UMTS system has highly secure confidential communication features.)
- VoLTE (LTE network) by au is used when connecting with emergency organizations within Japan. You cannot connect using 3G (circuit-switched network).
- 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 "Instruction Manual application" (Japanese) or "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.
- If you are using the product overseas, check the relevant laws and regulations of the country/region you visit.

- 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.
- 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 display. The display response speed may become slow when the ambient temperature is low, which is due to the property of liquid crystal and not a malfunction. The display response speed will return to normal at room temperature.
- Although the 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.

- 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.
- 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.

* "The Company" as appears in this manual refers to the following companies:
  Sold by: KDDI CORPORATION, OKINAWA CELLULAR TELEPHONE COMPANY
  Manufactured by: SHARP CORPORATION

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.

If the product is going to be used by a child, a parent or guardian should read the manual and provide instruction in proper use.

These instructions are divided into the following categories.

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

⚠ **DANGER**	Indicates imminent risk of death or serious injury[*1] with improper handling.
⚠ **WARNING**	Indicates risk of death or serious injury[*1] with improper handling.
⚠ **CAUTION**	Indicates risk of minor injury[*2] and physical damage[*3] with improper handling.

[*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, Charger, au Nano IC Card 04, 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.

🚫 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.

🚫 Disassembly 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.

❗ Instruction
Since the battery is built into the product, you cannot replace it yourself. For replacing the battery, contact an au shop or Customer Service Center.

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

❗ 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 NFC/Osaifu-Keitai® has been set, cancel the lock before turning off the power.)

🚫 Prohibited

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

🚫 Prohibited

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

To prevent short-circuiting of the external connection jack and earphone/microphone jack, do not allow your fingers or any other part of your body or conductive materials (metal, pencil lead, etc.) to come in contact with or enter these areas. Doing so might cause overheating, fire, a fault, electric shock, or burns.

🚫 Prohibited

If the product is damaged because it is dropped or something, and its display or camera lens cover is cracked or internal parts are exposed, do not touch the cracked pieces or exposed parts with your hands. Doing so might cause electric shock or injury from damaged parts.

Wetting with water 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.
Wetting with water prohibited	Although the product has waterproof capability, do not use if liquid such as water gets inside the product from the au Nano IC Card 04/microSD memory card cover, etc. Continued use of the product in this state might cause overheating, ignition or a fault.
Prohibited	Do not use product while driving a car or riding a motorbike or bicycle or while walking. Doing so might cause a traffic accident or cause you or someone to fall over or off a bike. Use of a cell phone while driving a car or riding a motorbike is prohibited by law. Use of a cell phone while riding a bicycle may be punishable by some regulations.
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.
Prohibited	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	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.
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 overheating, fire, damage or a fault.

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

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

🚫 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, deformation or a fault.

🚫 Prohibited Do not place the product on top of a wobbly table, sloped surface, or other unstable location, and do not charge when placed unstably. Doing so may allow the product to fall and cause injury or damage. Be careful especially when the product is set to vibrate. Also use adequate caution with impact, etc. Failure to do so might cause a fault or injury.

🚫 Prohibited The product may become hot when used for a long period or when connected to an external power supply. Avoid contact with the product and specified charger for long periods. Failure to do so may cause low-temperature burns.

🚫 Prohibited When charging the product, do not exceed the ratings given for outlets and wiring. Exceeding ratings for power strips, etc. might cause overheating and result in fire.

🚫 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 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 by increasing it gradually. Suddenly turning the sound on with the volume set too high, 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 using handsfree call, take care to keep the speaker at a safe distance from your ears, as the speaker volume may be too loud.

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

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

🚫 Prohibited
Do not puncture the product with a nail, hit it with a hammer or step on it.
Doing so might cause leakage, overheating, rupture or ignition of the internal battery.

❗ Instruction
Take care not to let pets bite the product. Pets biting product might cause the internal battery to leak, overheat, rupture, or ignite, or might cause fire, injury, etc.

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

❗ 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. Failure to do so might affect an airplane's electronic instrumentation. If you commit a prohibited act while using the product on an airplane, you might be punished by law.

❗ 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.

🚫 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.

	Do not point the illuminated light directly at someone's eyes, or at the eyes of someone driving a car or riding a motorbike or bicycle. 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	

	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.
Instruction	

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

	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.
Prohibited	

	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.
Instruction	

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

■ Main Unit (SHV32)

Part	Material	Surface treatment
Outer case (around display)	PA resin + GF45%	Acrylic UV cured coating
Outer case (side of display)	PC + ABS resin	Acrylic UV cured coating
Outer case (around back cover)	PA resin + GF45%	Acrylic UV cured coating

Part	Material	Surface treatment
Back cover	PET + PC combined plate	Hard coating (body color white/pink) Anti-glare treatment (body color green)
External connection jack (metal exterior)	SUS	Tin plating
External connection jack (metal terminal reinforcement)	SUS	None
External connection jack (resin terminal portion)	PA resin	None
External connection jack (terminal connection)	Corson alloy	Gold plating
au Nano IC Card 04/microSD memory card cover (body)	PC resin	Acrylic UV cured coating
au Nano IC Card 04/microSD memory card cover (hinge)	Elastomer resin	None
au Nano IC Card 04/microSD memory card cover (seal)	Silicon rubber	None
au Nano IC Card 04 tray	POM resin	None
IMEI tray	PP resin	None
Power key	Aluminum	Diamond cutting + anodizing
Volume up/down key	Aluminum	Diamond cutting + anodizing
Display	Reinforced glass	None
Camera lens cover	Reinforced glass	Anti-smudge coating + AR coating
Camera lens fringe	Aluminum	Diamond cutting + anodizing
Mobile light lens cover	PC resin	None

Part	Material	Surface treatment
Protective display film	PET	Hard coating + fingerprint-resistant coating

■ SHARP TV Antenna Cable 01

Part	Material	Surface treatment
Earphone/microphone jack (outer)	Olefin elastomer resin	None
Earphone/microphone jack (middle)	PBT resin	None
Earphone/microphone jack (inner)	PA resin	None
Earphone/microphone jack (metal)	Ni base, phosphor bronze	Gold plating
Cable	Styrene elastomer resin	None
Connector (exterior)	Olefin elastomer resin	None
Connector (plug connection)	PP resin	None
Plug (insulation)	POM resin	None
Plug (metal)	Ni base, brass	Gold plating

	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.
Prohibited	

	Use the product with the au Nano IC Card 04/microSD memory card cover closed. If the cover is open, dirt or water may get inside causing a fault.
Instruction	

	If you have a weak heart, be careful when setting the incoming vibration and ringtone 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.
Instruction	

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

■ Internal Battery

Li-ion00

(The internal battery of the product is a lithium-ion battery.)
The internal battery is not fully charged at the time of purchase. Charge the battery before using the product. Also charge the battery after long periods of disuse before using the product.

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

Instruction
Battery fluid on skin and clothes might cause injury; immediately rinse with water. Battery fluid in eyes can cause blindness; rinse with water without rubbing, and immediately and seek medical attention.

Instruction
The internal battery is a consumable item. If the performance of the internal battery does not recover (e.g. the usable time after each charge has become extremely short), the internal battery is at the end of service life, so stop using it. Failure to do so might cause overheating, ignition, rupture or leakage. Since the battery is built-in type, the product will be kept at an au shop etc. and charges will be incurred for repair. Also, you may not use the product in certain period of time. Note that the length of service life varies depending on the usage condition, etc.

■ Charger

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

🚫 Prohibited

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)

❗ Instruction

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).)

🚫 Prohibited

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

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

	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	

	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	

	When not using the specified charger (sold separately), do not leave it plugged into an outlet or cigarette lighter socket. Do not wrap power cord of the specified charger (sold separately) around the charger. Doing so might cause electric shock, overheating, fire, a fault, or injury.
Prohibited	

	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.
Prohibited	

⚠ CAUTION

Be sure to read the following cautions before use.

Disconnect plug from power outlet

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

Prohibited

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 04

⚠ 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 04.

Prohibited

Do not subject the au Nano IC Card 04 to actions that can damage it (use in high-temperature conditions, throwing in a fire, allowing metal contacts to come in contact with foreign objects, subjecting to shock, bending or pressing, wetting, etc.). Doing so might erase data or cause a fault.

Instruction

Store the au Nano IC Card 04 out of reach of small children. Accidental swallow might cause asphyxiation, injury, etc.

■ SHARP TV Antenna Cable 01

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

Instruction Strictly observe manufacturer warning and caution indications for your earphones and peripheral equipment, and use according to descriptions in user manuals.

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

Prohibited When using metal accessories, etc., use adequate caution and do not let them come in contact with the earphone/microphone jack or plug when connecting the SHARP TV antenna cable 01. May cause electric shock, ignition, injury, or a fault.

Wetting with water prohibited The SHARP TV antenna cable 01 is not waterproof. Never use where exposed directly to liquid (water, pet urine, etc.) or humid locations (bath rooms, etc.). May cause overheating, fire, electric shock, or injury.

Wet hands prohibited Do not touch the SHARP TV antenna cable 01 with wet hands. May cause electric shock, a fault, or injury.

Prohibited Do not damage, modify, twist, pull, or place heavy objects on cable. Do not use a damaged cable. May cause electric shock or short-circuiting resulting in fire, a fault, or injury.

Prohibited If thunder is audible, do not use the SHARP TV antenna cable 01. Doing so may attract lightning and cause electric shock.

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

❗ Instruction
Discontinue using if there is any abnormality such as smoke, an odor, or unusual noise, or extreme overheating. Remove the SHARP TV antenna cable 01 from the product and earphones, turn off power to the product after checking that it is not hot, and contact an au shop or Keitai Guarantee Service Center. If dropped or damaged, discontinue use, and contact an au shop or Keitai Guarantee Service Center.

❗ Instruction
Do not damage, modify, twist, pull, or place heavy objects on cable. May cause a fault, electric shock, fire, or injury. Do not use a damaged cable.

❗ Instruction
When removing cable, grasp by connector. Pulling on cable may cause damage, overheating, ignition, electric shock, or injury.

■ Use near Medical Instruments and Inside Medical Facilities

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

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.

Handling Precautions

These precautions are provided to prevent product faults and to ensure that performance can be fully demonstrated.
Thoroughly read these precautions to ensure correct use.

■ **Precautions common to the main unit, internal battery, charger, au Nano IC Card 04, 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 the au Nano IC Card 04/microSD memory card 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 charger or optional accessories. Do not open/close the au Nano IC Card 04/microSD memory card cover in the rain or with water drops on the surface of the product. Doing so might cause water intrusion resulting in internal corrosion.
Malfunctions determined to be caused by 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
　・Peripheral devices

● Do not use the product in extremely hot, cold or humid places. (Use within an ambient temperature range of 5°C to 35°C and humidity range of 35% to 85%.)
　・SHV32
　・au Nano IC Card 04 (inserted into the SHV32)

● 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.

■ **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 touch panel is designed to be lightly touched by fingers. Do not apply strong pressure with your fingers or sharp-pointed objects (such as ballpoint pens and pins) on the touch panel.
  In the following cases, the product may not respond to touching the touch panel, or errors in operation may occur.
  ・ Operation with gloved hands
  ・ Operation with fingernails
  ・ Operation with a foreign object placed on the touch panel
  ・ Operation with a protective film or sticker on the touch panel
  ・ Operation with water drops left or condensation formed on the surface
  ・ Operation with wet or sweaty fingers
  ・ Operation under water

● Never use modified au cell phones. Use of a modified device violates the Radio Law.
You can perform the following operations to confirm the unique authentication and standard marks (including certification/authentication numbers) for the product.
On the home screen, "Apps Sheet" → [Settings] → [About phone] → [Authentication].
The product has acquired the certification of conformity with technical regulations for the specified radio station based on the Radio Law and certification of conformity with technical regulations for the terminal based on the Telecommunications Business Law, and the "Technical Conformity Mark ⊕" can be confirmed in the product as a certificate. Confirm contents of electrical certificates in the product for information on certification.
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 the valid certification. Doing so violates the Radio Law.
● 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 or earphone/microphone jack, make sure to insert/remove the connector or earphone plug of the external device straight to/from the jack.

- Note that applying unnecessary force with an external device connected to the external connection jack or earphone/microphone jack may cause damage.
- Do not exert excessive force when attaching/removing a microSD memory card. Doing so might injure your hands or fingers.
- While writing/reading data to/from a microSD memory card, do not subject the product to vibration or impact or turn off the power. Doing so might cause loss of data or a fault.
- Do not cover the light sensor with your finger or put a sticker on it. Doing so may hinder the light sensor from detecting the ambient brightness and functioning correctly.
- Do not put a sticker, etc. on the proximity sensor. Doing so may cause the sensor to malfunction and make the display always turned off while making a call or during a call.
- Covering earpiece (receiver), mouthpiece (microphone), speaker, microphone, or air vent with stickers or fingers may hinder product performance.
- If you hold the phone to talk with hair covering your ear, the proximity sensor may malfunction. This may cause the display to remain on, allowing the call to be disrupted if the display is accidentally touched.
- If the display gets damaged, immediately stop use and contact an au shop or Keitai Guarantee Service Center. Keeping using it may cause injury.
- Putting a sticker, etc. on the display or a key may cause malfunction or shortened usage time. Also, doing so may damage 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.
- Note that if you forcefully pull the au Nano IC Card 04/microSD memory card cover or apply excessive force on it, it may be damaged.
- Bright places such as under the direct sunlight sometimes make it hard to see the display. This is not a fault.

■ **Touch panel**

● Use your finger to operate the touch panel. Do not use ballpoint pens, pencils or other sharp-pointed objects. Using such objects does not only hinder correct operation of the touch panel, but also might cause scratching or damage to the display.

● Placing stickers or sheets (e.g. commercially available protective films, peep prevention sheets) on the display might hinder correct operation of the touch panel.

● If the display surface is dirty or wet with sweat or water, it may not function correctly. In such case, wipe the display surface with a dry, soft cloth.

● When carrying the product in your pocket or bag, take care not to put the touch panel close to metals or other conductive materials, as it might cause false operation of the touch panel.

■ **Internal battery**

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

● The internal battery gradually discharges after charging even if the product is not used. The internal battery may discharge completely after long time no use. Charge before using the product.

● Because the internal battery performance or service life will become low, do not store the product in the following conditions.
  • Battery level is full (soon after charging is complete)
  • Battery level is empty (to the extent that the product is not powered on)
  • In extremely hot or humid conditions

● Internal batteries 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.

■ au Nano IC Card 04

- Do not forcibly remove or insert the au Nano IC Card 04. 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 04 into some other IC card reader/writer, etc.
- Keep the IC (metal) part of your au Nano IC Card 04 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 04.

■ SHARP TV antenna cable 01

- May become warm while viewing TV or charging, but this is normal.
- Do not wrap the SHARP TV antenna cable 01 around the product. May cause electric shock, ignition, fire, a fault, or injury.
- Do not hold cable and let the product hang, pull the product, or swing the product. May cause wire to break or a fault.
- When connecting the SHARP TV antenna cable 01 to the product, be sure to insert completely all the way. Incomplete insertion may cause overheating, ignition, electric shock, fire, or injury. Insert in and remove from earphone/microphone jack without bending. May cause a fault or operation trouble.
- Place in a bag when carrying or storing, and take care that dust does not adhere to earphone/microphone jack or plug, and that earphone/microphone jack and plug do not get bent.
- Remove the SHARP TV antenna cable 01 from the product when not using.

■ Camera

- If the camera lens cover breaks, immediately discontinue use, and contact an au shop or Keitai Guarantee Service Center. Continued use may cause injury.
- When using the camera, follow common rules of etiquette regarding camera use.
- 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.

■ **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.

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. Be sure to change the initial values to your own numbers you have chosen.

■ **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**

Example of usage	To set and release restriction on voice calls, etc.
Initial value	1234

Be sure to change the initial values to your own numbers you have chosen.

■ **PIN code**

Example of usage	To prevent unauthorized use of the au Nano IC Card 04 by third parties
Initial value	1234

Be sure to change the initial values to your own numbers you have chosen.

■ **Lock No. (NFC/Osaifu-Keitai lock)**

Example of usage	To use the NFC/Osaifu-Keitai lock
Initial value	1234

■ PIN

■ PIN Code

To prevent unauthorized use of the au Nano IC Card 04 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.

- At the time of purchase, the PIN code is "1234", and entry requirement is "not required". You can change the PIN code to any 4- to 8-digit number and the entry requirement to "required" if necessary.
  To use the product with a PIN code "required", be sure to change the PIN code to your own number you have chosen.

■ 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 04 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 au Nano IC Card 04/ microSD memory card cover is securely closed (Based on the experiments 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 au Nano IC Card 04/microSD memory card cover securely. Even a fine obstacle (hair, sand, tiny fiber, etc.) put between contact surface may cause intrusion of water.
- If liquid such as water is splashed onto the product with the au Nano IC Card 04/microSD memory card cover opened, the liquid may seep inside and cause electric shock or fault. Stop using it, turn off the power and then contact an au shop near you or 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 au Nano IC Card 04/microSD memory card 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 earphone/microphone jack/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.
- When water drops are attached on the touch panel or you perform touch operations with your hand wet, the product may not properly function.
- 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.
- If the au Nano IC Card 04/microSD memory card 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 au Nano IC Card 04/microSD memory card cover is important to maintain the waterproof property. Be sure to observe the following items.

- Do not remove or scratch it.
- When closing the au Nano IC Card 04/microSD memory card cover, do not get the rubber seal caught. Also, do not insert sharp objects into gaps around the au Nano IC Card 04/microSD memory card cover or the earphone/microphone jack or external connection jack section.
  Doing so may damage the rubber seal and cause 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

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 inserting the microUSB plug into the external connection jack.
- Never connect the microUSB plug when the product 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 a fault.
- Do not touch the specified charger (sold separately) with wet hands. Doing so may cause electric shock.
- Do not splash water onto the 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, a fault, 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 au Nano IC Card 04/microSD memory card 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 then use the product.

- Make sure that the au Nano IC Card 04/microSD memory card cover is securely closed before washing the product.
- Do not wash the product with a washing machine or an ultrasound bath.
- The earphone/microphone jack section and external connection jack section are 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 earphone/microphone jack section and 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 internal battery 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 "earphone/microphone jack section", "external connection jack section", "earpiece (receiver) section", "mouthpiece (microphone) section", "speaker section", "key section", "microphone section", 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 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.

Earpiece (Receiver)/microphone section

Mouthpiece (Microphone)   Speaker section

Air vent

Microphone section

Earphone/
Microphone jack section

External
connection jack section

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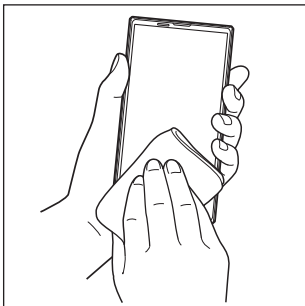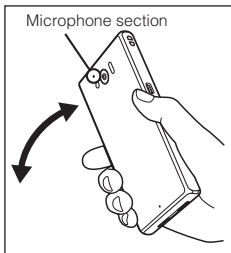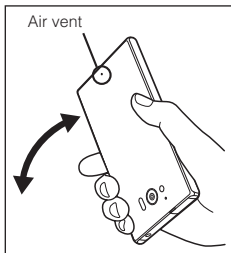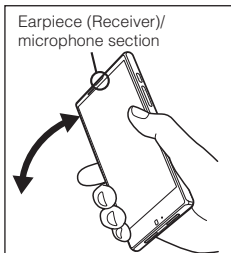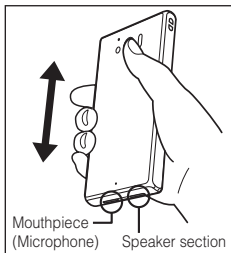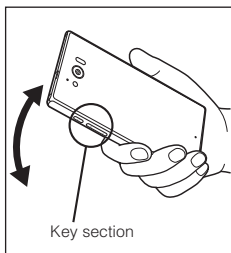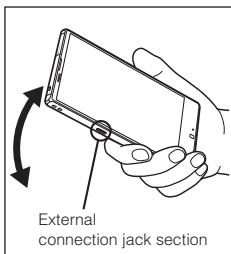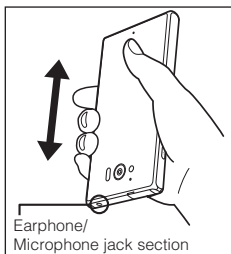
3 **Wipe off water remaining in the grooves of each section by gently putting the product against a dry and clean cloth etc.**

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.
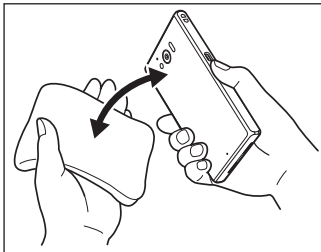
4 **Lay out a dry cloth etc. beneath and leave the product on the cloth at room temperature for approximately 2 to 3 hours to dry it.**

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 earphone/microphone jack, external connection jack, etc. to short-circuit, causing fire or a fault.
- Doing so in a cold region may cause a fault due to water drops freezing.

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

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 connected devices used.

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.
- The communication speed and connectable range vary depending on the distance between communication devices, obstacles and the connected devices used.

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.

You can perform the following operations to confirm information on frequency band.

On the home screen, "Apps Sheet" → [Settings] → [About phone] → [Authentication].

• Bluetooth® function: 2.4FH1/XX4

2.4FH1/XX4

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

2.4DS/OF4

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.

■ **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.

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

The frequencies used by the wireless LAN (Wi-Fi®) function of the product are in the 2.4 GHz and 5 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.

■ **5 GHz band wireless LAN (Wi-Fi®) function precautions**

In the 5 GHz frequency band, three channels of 5.2 GHz/5.3 GHz/5.6 GHz band (W52/W53/W56) are available.
• W52 (5.2 GHz band/36, 40, 44, 48 ch)
• W53 (5.3 GHz band/52, 56, 60, 64 ch)
• W56 (5.6 GHz band/100, 104, 108, 112, 116, 120, 124, 128, 132, 136, 140 ch)
Making a communication with 5.2 GHz/5.3 GHz band (W52/W53) outdoors is prohibited by the Radio Law.

◎ 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

- 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, "Notes on Usage" (this manual) or "Setting Guide"/"Full Instruction Manual" (Japanese) available on the au homepage may differ from the actual procedures.

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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