

Be sure to read this manual before use

AQUOS PHONE *SERIE* mini SHL24

Notes on Usage

- In this manual, the "AQUOS PHONE SERIE mini SHL24" is abbreviated as the "SHL24" 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.

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 in your PC's hard disk, etc. Whatever the cause of fault or malfunction may be, the Company assumes no responsibility for alteration or loss of saved information.
- "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.

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 toward from the jack. Make sure the orientation of the connector is correct. Failure to do so 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.

Internal Battery



(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.

DANGER Be sure to read the following hazards before use.

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.

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.

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 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 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.

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.

- 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.
- 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.
- Pay attention to the following points when using the product inside medical institutions.
 - Do not bring the product into operating theaters, intensive-care units (ICU) and coronary care units (CCU).
 - Turn the product off in hospital wards. Do not connect the product with a PC in hospital wards using the microUSB cable 01 (sold separately), since the product is automatically turned on.
 - Even if you are in a lobby, etc., be sure to turn the product off when there are electronic medical devices nearby.
 - 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.
- 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.

Explanation of Graphic Symbols Used in This Manual

	Indicates an action that is not allowed.		Indicates that use in a place where the product is likely to get wet or allowing the product to get wet is not allowed.
	Indicates that handling with wet hands is not allowed.		Indicates an action that must be done.
	Indicates that disassembly is not allowed.		Indicates that the power plug must be disconnected from the power outlet.

Precautions Common to the Main Unit, 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 Stay alert to your surroundings when calling, messaging, browsing the Internet, shooting photos, playing games, 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.

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 to do so. If you pull the cable, it might be damaged, causing overheating, ignition or electric shock.

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.

Instruction For the specified devices, contact an au shop or Customer Service Center.

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 Osafu-Keita® payment function at a gas station, be sure to turn off the power in advance. (If Osafu-Keita® 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.

Prohibited Do not short-circuit the external connection jack and the earphone/microphone 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 fire or a fault.

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.

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.

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.

Part	Material	Surface treatment
Outer case (side of display)	PA resin + GF45%	Acrylic UV cured coating
Back cover	PC + ABS resin	Acrylic UV cured coating
External connection jack	SUS	None
au Nano IC Card (LTE)/microSD memory card cover (body)	PC resin	Acrylic UV cured coating
au Nano IC Card (LTE)/microSD memory card cover (hinge)	Elastomer resin	None
au Nano IC Card (LTE)/microSD memory card cover (seal)	Silicon rubber	None
au Nano IC Card (LTE) tray	POM resin	None
IMEI tray	POM resin	None
Earphone/Microphone jack	PA resin	None

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.

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.

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

WARNING Be sure to read the following warnings before use.

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

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

Prohibited Never charge the product when it is wet. Doing so might cause electric shock or short circuit/corrosion causing fire, a fault or burns.

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 (LTE)/microSD memory card cover etc. Continued use of the product in this state might cause overheating, ignition or a fault.

Instruction 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.

Part	Material	Surface treatment
Power key	PC resin	Acrylic UV cured coating
Display	Reinforced glass	Acrylic hard coating
Camera lens cover	PMMA resin	Anti-smudge coating/AR coating
Camera lens fringe	ABS resin	Acrylic UV cured coating
Mobile light lens cover	PMMA resin	None
Infrared port cover	PMMA resin	None

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 or a fault.

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

Instruction Use the product with the au Nano IC Card (LTE)/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.

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 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 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 or earphone/microphone jack causing the volume to drop. If sand gets inside the product, it might cause overheating or a fault.

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, burns or a fault.

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, internal battery, 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 the au Nano IC Card (LTE)/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 (LTE)/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
 - Conversion cables

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 or electric shock.

- 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 or fire caused by overheating and ignition. 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 or a fault.

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.

Disconnect plug from power outlet 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 or a fault.

Instruction 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.

Disconnect plug from power outlet 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 electric shock, fire or a fault.

Wetting with water prohibited 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 or electric shock. In the event that a charger is splashed with liquid, immediately disconnect its power plug.

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

- 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.)

- SHL24

- au Nano IC Card (LTE) (inserted into the SHL24)

- Do not listen to music, watch videos or TV (1Seg) while driving a car or motorcycle, or riding a bicycle. Use of cell phones while driving a car or motorcycle 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.
- 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.

- 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 motorcycle, or riding a bicycle. Use of cell phones while driving a car or motorcycle 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.

- 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.

- 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.

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■ 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 motorcycle, or riding a bicycle. Use of cell phones while driving a car or motorcycle 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.

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- 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 (LTE)/microSD memory card cover degrades or is damaged, the waterproof property cannot be maintained. In such case, contact an au shop near you.

- 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 (LTE)/microSD memory card cover degrades or is damaged, the waterproof property cannot be maintained. In such case, contact an au shop near you.

- 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.

- 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.

- 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.

- 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, tap [APPS] → [Settings] → [Device info] → [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.

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■ Copyrights and rights of portrait

- When 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.

- 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.

- 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 (LTE)/microSD memory card cover degrades or is damaged, the waterproof property cannot be maintained. In such case, contact an au shop near you.

- 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.

■ Maintaining the Waterproof Property

■ Rubber seal

The rubber seal on the au Nano IC Card (LTE)/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 (LTE)/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 (LTE)/microSD memory card cover or the earphone/microphone jack section 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 charge the battery if the product is wet. Doing so may cause electric shock, short circuit, etc., resulting in fire, a fault or burns. Be sure to dry the product before use.
- 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 or electric shock.

- 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 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 or 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.

- 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. Also, be careful not to scratch or damage the display by using a strap whose metal or other hard part comes in contact with the display.

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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.

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

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

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

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

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- Even if you cover the mouthpiece or 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.

- 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.

- 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 (LTE)/microSD memory card cover or apply excessive force on it, it may be damaged.

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

On the home screen, tap [APPS] → [Settings] → [Device info]

→ [Authentication].

- Bluetooth® function: 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



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.

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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.

- Before using the product, make sure that "other wireless stations" are not in operation nearby.
- 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).
- 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 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.

- Before using the product, make sure that "other wireless stations" are not in operation nearby.
- 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).
- 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®) 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.

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■ Open Source Software

- The product includes software based on GNU General Public License (GPL), GNU Lesser General Public License (LGPL) and other licenses. For details on licenses of related software, on the home screen, tap [APPS] → [Settings] → [Device info] → [Legal information] → [Open source licenses].
- Source codes of software based on GPL, LGPL and Mozilla Public License (MPL) can be referred to on the following site for free. For details, refer to the following site. **https://sh-dev.sharp.co.jp/android/modules/oss/**

■ OpenSSL License

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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.

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[Original SSLeay License]

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This product includes cryptographic software written by Eric Young (eay@cryptsoft.com)

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■ Windows Notations

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

- Windows 8 is the abbreviation for Microsoft® Windows® 8, Microsoft® Windows® 8 Pro and Microsoft® Windows® 8 Enterprise.
- Windows 7 is the abbreviation for Microsoft® Windows® 7 (Starter, Home Basic, Home Premium, Professional, Enterprise, Ultimate).
- Windows Vista is the abbreviation for Microsoft® Windows Vista® (Home Basic, Home Premium, Business, Enterprise, Ultimate).
- Windows XP is the abbreviation for Microsoft® Windows® XP Professional operating system and Microsoft® Windows® XP Home Edition operating system.

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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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■ More

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Under the MPEG-4 Visual Patent Portfolio License, customers have licensed permission for the following use of this product to engage in non-profit personal use. Other uses are not permitted.

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- Playing back MPEG-4 Video that a customer engaged in personal and non-profit activities has recorded
- Playing back MPEG-4 Video obtained from a provider licensed by MPEG-LA When using for promotion, in-house use, profit use, and other intended uses, contact MPEG LA, LLC.
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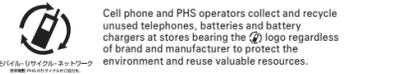
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