LGV32

Notes on Usage

· "Setting Guide", "Basic Manual", "Notes on Usage", etc. are collectively referred to as "Instruction Manual".
· In this manual, isai xxx (LGV32) is usually referred to as the "product".
· In this manual, "microSD™ memory card", "microSDHC™ memory card" and "microSDXC™ memory card" are abbreviated as "microSD memory card" or "microSD".

April 2015, 1st Edition
MFLxxxxxxxx

For inquiries, call:

Customer Service Center
For general, charge, operations (toll free)
Business hours 9:00～20:00 (7 days a week)
From fixed-line phones: 0077-7-111 | From au cell phones: 157 area code not required

PRESSING ZERO WILL CONNECT YOU TO AN OPERATOR AFTER CALLING 157 ON YOUR au CELL PHONE

For service canceling procedure in case of loss or theft (toll free)
Business hours 24-hour (7 days a week)
From fixed-line phones: 0077-7-113 | From au cell phones: 113 area code not required

In case above numbers are not available,
0120-977-033 (except Okinawa)
0120-977-699 (Okinawa)

Keitai Guarantee Service Center
For loss, theft or damage (toll free)
Business hours 9:00 – 21:00 (7 days a week)
From fixed-line phones/au cell phones,
0120-925-919

Cell phone and PHS operators collect and recycle unused telephones, batteries and battery chargers at stores bearing the logo regardless of brand and manufacturer to protect the environment and reuse valuable resources.

モバイル・リサイクル・ネットワーク
携帯電話・PHSのリサイクルにご協力を。

Sold by: KDDI CORPORATION,
OKINAWA CELLULAR TELEPHONE COMPANY
Imported by: LG Electronics Japan Inc.
Manufactured by: LG Electronics Inc.

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- The Company is not liable for any damages arising from earthquakes, lightning, storms, floods or other natural disasters, as well as fires, actions by third parties, other accidents, intentional or mistaken misoperation by the customer, or use under other unusual conditions outside the responsibility of the Company.
- The Company is not liable for any incidental damages (change/disappearance of described content, loss of business income, disruption of business, etc.) arising from use or inability to use the product.
- The Company is not liable for any damages arising from failure to observe the described content of the "Instruction Manual".
- The Company is not liable for any damages arising, for example, from malfunction caused by combination with connected devices or software not related to the Company.
- Captured image data or downloaded data may sometimes be altered or lost due to faults, repair or other handling of the product. The Company is not liable for any damage or lost income resulting from recovery of these data.
- It is recommended you keep a copy of important data on your PC's hard disk, etc. Whatever the cause of the defect or malfunction may be, the Company assumes no responsibility for alteration or loss of saved data.

* "The Company" as appears in this manual refers to the following companies:
Sold by: KDDI CORPORATION, OKINAWA CELLULAR TELEPHONE COMPANY
Imported by: LG Electronics Japan, Inc.
Manufactured by: LG Electronics Inc.

memo

• Reproduction of the content of this manual in part or in whole is prohibited.
• The content of this manual is subject to change without notice.
• Every effort has been made in the preparation of this manual. Should you notice any unclear points, omissions, etc., feel free to contact us.

Safety Precautions (Observe Strictly)

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

● These "Safety Precautions" describe instructions that should be observed to prevent damage to property or injury to the customer or others using the product.
● These instructions are divided into the following categories.

■ **These instructions are divided into the following categories.**

⚠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 to a person".
⚠CAUTION	This symbol indicates the possibility of personal minor injury[*2] to a person or physical damage[*3].

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

■ **Explanation of graphic symbols used in this manual**

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

■ **Precautions common to the main unit, battery pack, charging equipment, au Nano IC Card (LTE), peripheral devices**

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

Do: Be sure to use only the specified peripheral devices. Use of other devices might cause overheating, ignition, rupture, fault, or leakage of liquid.

Don't: 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.

Do: Before entering an area where flammable gas is generated such as a gas station, be sure to turn off this product. Do not charge the battery. Failure to observe these precautions might cause the gas to catch fire. In addition, when using Osaifu-Keitai® at a gas station, be sure to turn off the power in advance. (If NFC/ Osaifu-Keitai® lock has been set, cancel the lock before turning off the power.)

Don't: Do not put the product in a cooking apparatus such as a microwave oven or a pressure vessel. Doing so might cause ignition, rupture, fault, fire or injury.

Don't: Do not throw the product into a fire or heat it. Doing so might cause fire, rupture or fire.

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

Don't: When using metal accessories, etc., make sure not to allow the metal part come in contact with the connection terminals, earphone terminal or power outlet. Doing so might cause electric shock, ignition, injury or a fault.

Don't: 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.

Not disassembly: 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 non-conformities arising on the product or peripheral devices as a result of modification, etc. Modification of the product is in violation of the Wireless Telegraphy Act.

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

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

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

Don't: Do not let your hands, fingers and other parts of the body touch the connection terminals. Doing so might cause electric shock, injury or a fault.

Don't: 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 au shop or Keitai Guarantee Service Center.

Not liquids / No wet hands: If the wet main unit is charged, electric shock, short circuit, or corrosion may occur and overheating may cause fire or malfunction or burns.

Not liquids / No wet hands: Do not splash with water or other liquids. Also, never use in places subject to direct splashing with water or pet urine, etc. or in humid places such as bath areas, or use with wet hands. Doing so might cause electric shock, fault from short-circuiting, or corrosion of electronic circuits. In the event that the product is splashed with liquid, immediately disconnect the AC adapter's power plug. Faults caused by wetting with water or humidity are not covered by the warranty and charges will be incurred for repair.

Not liquids / No wet hands: Although this product model has waterproof property, stop using it if liquid such as water gets inside the main unit from the back cover. Continued use of the product in this state might cause overheating, fire, or a fault.

Don't: When removing the back cover, do not exert more than necessary force. Doing so might cause injury or a fault.

Don't: Do not operate the product while driving a car or motorbike, riding a bicycle, or walking. Doing so may compromise traffic safety and cause an accident.

Don't: 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.

Don't: Do not leave in places within the reach of small children. Small children might swallow small parts, etc. by mistake and choke on them, or might drop them by mistake and cause accidents or injury.

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

Don't: Do not store the product in places subject to direct sunlight (e.g. in cars), places that get hot, places that get extremely cold, and in humid or dusty places. Doing so might cause overheating, fire, deformation or a fault.

Don't: Do not leave on unstable places such as rocky stands or tilting surfaces. Dropping the product may cause injury or damage. Pay sufficient attention while vibrator is set to ON. Also, pay sufficient attention to impact, etc.

Don't: Do not cover or wrap this product with bedding, etc. while using or charging the product. Doing so might cause fire, fault or injury.

Don't: Do not touch the main unit of the product and the specified AC adapter (sold separately) for a long time while power is being supplied from an external source. Doing so might cause low-temperature burns.

Don't: Be careful when using this product in a high temperature place for a long time. It might become hot. Use of it with your skin touching the product for a long time might cause low-temperature burns.

Don't: 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.

Don't: Do not use the product with the back cover removed.

Don't: 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.

Don't: Do not leave or store with the back cover removed from the main unit. Doing so might allow dust or other foreign objects to get inside and cause a fault.

Do: Do not use the product if there is smoke, abnormal odor or noise, excessive overheating, or other abnormalities. If an abnormality occurs, disconnect the specified charging equipment (sold separately) from the power outlet, 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.

Do: 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.

Do: 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.

Do: When using an charging equipment or external device, insert/remove the connector straight to/from the terminal. Unless it's correct, it may cause damage or a fault.

■ **Main unit**

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

Don't: Do not puncture the product with a nail, hit with a hammer or step on the product. Doing so might cause fire or damage.

Not disassembly: Do not disassemble, modify or directly solder the product. Doing so might cause spilling of the battery liquid resulting in an accident such as loss of eyesight if it gets into the eyes, or cause overheating, injure, fire or rupture.

Do: Be careful not to have the product bitten by your pet. It might cause liquid leakage, overheating, rupture, fire, injure or ignition of the internal battery.

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

Don't: Do not use a cell phone while driving a car or riding a motorbike or bicycle. It might cause a traffic accident. Use of a cell phone while driving a car or motorbike is prohibited by law. Use of a cell phone while riding a bicycle may be punishable by some regulations.

Don't: Do not use the product while you are aboard an airplane. Use of electric devices transmitting radio waves in airplane is prohibited by law. Some airline companies, however, allow their passengers to use cell phones. For details, contact the airline company you use.

Do: This product sometimes affects high-precision electronic devices. So, turn it off near such devices. (Examples of electronic devices that might be affected by the product include cardiac pacemakers, hearing aids, other electronic medical devices, fire alarms, and automatic doors. If you are using an electronic medical device, contact the device manufacturer or retailer for information about the possible affect of radio waves.)

Do: 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 the pacemaker or cardioverter-defibrillator applied part.
2. Set the product to airplane mode or turn off the power in advance in places where you cannot move freely or where you cannot secure a distance of more than 15 cm with one another, since there may be people with a implanted cardiac pacemaker or implanted cardioverter-defibrillator nearby.
3. 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.
   - 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.
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.

Do: Stay alert to your surroundings when calling, messaging, browsing the Internet, shooting photos, playing games, watching TV or listening to music. Failure to do so might cause a fall or traffic accident.

Don't: 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.

Don't: When using the photo light, do not lighten in front of person's eye. Do not gaze at the light emitting part when the photo light is lighted. Doing so may cause impairment of eyesight, etc. Be especially careful not to take pictures of small children from a very close distance.

Don't: Do not lighten the photo light toward a person who drives an automobile, motorized bicycle or a bicycle. If dazzled by the light, the driver might become unable to drive and cause an accident.

Do: 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.

Don't: Use of the main unit in an automobile sometimes affects on-vehicle electronic devices, though this rarely happens. If this happens, stop use since this may impair safe travel.

Do: If you feel any abnormality with your skin, immediately consult a dermatologist. Itching, rashes, eczema, etc. sometimes occurs depending on your physical constitution and condition.

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

Part		Material	Surface treatment
Outer case (display frame part)		PC resin	NCVM
Outer case (side)		PC resin	-
Exterior case (microSD memory card slot/periphery cover)		PC+TPE resin	-
Back cover	Blue, Pink	PC resin	UV coating
	White		-
Volume key	Blue, Pink	PC+TPU resin	UV coating
	White		-
Power key		PC+TPU resin	NCVM
Display		Hardened glass	Easy cleaning coating
Earpiece		Stainless steel	PVD coating
Lens for the camera		Soda-lime glass	AR, AF coating
Camera lens decoration		AL	Anodic oxide
Photo light, infrared port		PC resin	-

Don't: 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.

Don't: Do not allow liquids, metal objects, burnable items, and other foreign matter to get inside the microSD memory card slot or earphone terminal. Failure to do so might cause fire, electric shock, injure or a fault.

Don't: Do not swing the product around by holding earphones, LG TV antenna cable 01, etc. Doing so might cause an accident or damage.

Do: Do not use it with microSD memory card slot cover closed. Doing so might result in malfunction due to dust and water getting in.

Do: Be careful when setting vibrator (vibration) or ringtone if you heart is weak. Doing so might result in bad effect to heart.

Do: Pay attention to items stuck to the main unit. The speaker uses magnets, and so thumbtacks and pins, craft knife blades, staples, and other metal objects sometimes become stuck to the main unit, and cause unexpected injury. Before using the product, be sure to check that there are no foreign objects on the speaker or other parts.

Don't: Do not place the product directly on sand at a beach, etc. Sand or other small particles might get inside the earpiece (receiver), microphone (microphone), or speaker, causing the volume to drop. If sand gets inside main unit, it might cause overheating or a fault.

Don't: When using the product for calling or data communication, be careful not to keep the product in direct contact with your skin for a prolonged period, or not to cover the product with paper, cloth, bedding, etc. The main unit might get hot, causing fire, injure, burns or a fault.

■ **Battery pack**

Li-ion00

(The battery pack of the product is a lithium polymer battery.)
When you purchase your cell phone, it is not fully charged.
Charge the battery before using the product.

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

Do: If the leaked liquid 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 after wash your eyes with water, and immediately consult a doctor to avoid the risk of losing your eyesight. If the liquid gets on a device, wipe it off without touching it.

Do: The battery pack is a consumable item. If the performance of a battery does not recover (e.g. the usable time after each charge has become extremely short), the battery is at the end of service life, so stop its use. Failure to do so might cause overheating, fire, rupture, or leakage. Because the battery is a built-in type, an au shop will accept holding over and repair for a charge. You may not use the product for a certain period. Please be forewarned. Note that the length of service life varies depending on the usage condition, etc.

■ **Charging equipment**

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

Don't: Do not use at other voltages than the specified power supply voltage. Doing so might cause ignition, fire, overheating, injure or electric shock.
- AC adapter (sold separately): 100 VAC to 240 VAC
- Common DC adapter 03 (sold separately) : 12/24 VDC (for negative grounded vehicles only)

Do: Firmly insert the plug of the specified charging equipment (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, injure and fire. Do not use the damaged specified charger, power outlet or cigarette lighter socket with loose insertion connector.

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

Don't: Do not damage, modify, twist, pull, or place a heavy object on the power cord of the specified charging equipment (sold separately). Do not use a damaged cord. Doing so might cause an electric shock, injyure, short circuit or fire.

Don't: Do not let your hands, fingers and other parts of the body touch the connection terminals. Doing so might cause electric shock, injury or a fault.

Don't: If you hear thunder, do not touch the power plug. Doing so might cause an electric shock as a result of a lightning strike.

Unplug: Before cleaning the specified charging equipment (sold separately), unplug its power plug from the outlet or cigarette lighter socket. If the plug remains plugged in when you clean the equipment, it might cause an electric shock or short circuit.

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

Do: Install and position in-car devices where they do not hinder driving or safety equipment such as airbags. It might cause a traffic accident. Install in-car devices following the instructions of their manuals.

Unplug: When the AC adapter is not to be used for a long time, disconnect the AC adapter's power plug from the power outlet. Doing so might cause fire or a fault

Not liquids: Do not use in places subject to direct splashing with water, pet urine, or other liquids. Doing so might result in faults and injure resulting from overheating, fire, electric shock, or short-circuiting of electronic circuits. In the event that the product is splashed with liquid, immediately disconnect the AC adapter's power plug.

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

Not liquids / No wet hands: Do not use in humid places such as bath areas, or connect/disconnect the AC adapter with wet hands. Doing so might cause electric shock, injure or a fault.

Do: Charge the battery in a stable place. If placed on an inclined surface or wobbly stand, the product might fall causing injury or damage. Pay careful attention while vibrator is set. In addition, do not cover or wrap the product with a cloth or bedding. Doing so might cause a fire, injure or a fault.

Do: When unplugging the plug of the specified charging equipment (sold separately) from the power outlet, hold and pull the power plug. Pulling on the cable might damage it.

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

■ **au Nano IC Card (LTE)**

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

Don't: 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.

Do: Be careful when attaching/removing the au Nano IC Card (LTE). Doing so might injure your hands or fingers.

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

Not disassembly: Do not disassemble or modify the au Nano IC Card (LTE). Doing so might cause loss of data or a fault.

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

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

Don't: 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.

Don't: Do not drop the au Nano IC Card (LTE) or subject it to strong impact. Doing so may cause a fault.

Don't: Do not fold, bend or place a heavy object on the au Nano IC Card (LTE). Doing so may cause a fault.

Not liquids: Do not wet the au Nano IC Card (LTE). Doing so may cause a fault.

Don't: Do not scratch the IC (metal) part of the au Nano IC Card (LTE). Doing so may cause a fault.

Don't: Do not store the au Nano IC Card (LTE) in dusty places. Doing so may cause a fault.

Don't: Do not store the au Nano IC Card (LTE) in places exposed to direct sunlight or hot and humid places. Doing so may cause a fault.

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

■ **LG TV antenna cable 01**

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

Not liquids / No wet hands: LG TV antenna cable 01 is not waterproof. Do not splash with water or other liquids. Also, never use in places subject to direct splashing with water or pet urine, etc. or in humid places such as bath areas, or use with wet hands. Doing so might cause electric shock, fault from overheating, fire, electric shock or corrosion of electronic circuits.

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

Do: Do not make the connecting plug of LG TV antenna cable 01 dirty. Doing so may cause a fault.

Do: Insert or remove the connecting plug of LG TV antenna cable 01 into/from the earphone jack straightly.

Do: If you feel any abnormality with your skin, immediately consult a dermatologist. Itching, rashes, eczema, etc. sometimes occurs depending on your physical constitution and condition.

■ **The materials of parts used on the LG TV antenna cable 01 are as follows.**

Part	Material	Surface treatment
Earphone jack (body)	TPE resin	-
Cable	TPE resin	-
Connecting plug (body)	TPE resin	-
Connecting plug (metal parts)	Brass	Gold plating

Handling Precautions

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

■ **Precautions common to the main unit, battery pack, charging equipment, 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 connector or earphone 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 this product, use the product with the 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 charging equipment or optional accessories. Do not attach/remove the back 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℃ to 35℃ and humidity range of 35% to 85%.)
● Do not use in places subject to lots of dust or vibration.
● Clean the connection terminals and earphone terminal with dry cotton swabs, etc. every now and then. Soiled terminals might cause poor connection. Do not exert a strong force to clean the connection terminals to prevent deformation.
● Clean the product with a soft dry cloth (such as the type used for eyeglasses). Forceful rubbing with a dry cloth may scratch the display. The display may be stained if splash or smear is left attached to the surface. Wiping the product using alcohol, thinner, benzene, detergent, etc. might erase the printing on the outer casing or cause discoloration.
● Use as far away as possible from land-line phones, TVs, and radios. Use nearby might affect them.
● The product may become warm while charging etc., depending on the situations, but this is not abnormal.
● When the product is used by a child, parents or guardians should thoroughly read "Instruction Manual" and teach the child how to use it.

■ **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 your fingernails, 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 fingernails, ballpoint pens, and pins) on the touch panel.
In the following cases, the touch panel may not work even if you touch it. Note that it may cause malfunction.
  - Operation with gloved hands
  - Operation with fingernails
  - Operation with a foreign object placed on the touch panel
  - Operation with a protective sheet or sticker on the touch panel
  - Operation with water drops left or frozen on the surface
  - Operation with wet or sweaty fingers
  - Operation under water
- Do not remove the stickers printed with the IMEI that can be seen when the back pack is removed. These stickers prove that the product and the communication module you are using comply with the Wireless Telegraphy Act and Telecommunications Operations Act.

- Never use modified au cell phones. Use of a modified device violates the Radio Law. The product has acquired the certification of conformity with technical regulations for the specified radio station based on the Radio Law, and the "Technical Conformity Mark" is printed on the nameplate of the product as a certificate. Confirm nameplate following the operations below.
Home screen ▶ Touch and hold ▶ "System settings" ▶ "General" tab ▶ "About phone" ▶ "Regulatory and Safety"
If the product is modified by turning the screw to the left to disassemble, technical standard compliance becomes invalid. Never use the product without the valid certification. Doing so violates the Radio Law
- To prevent unlawful modification, the product has been designed so that it cannot be easily disassembled. Modifying the product is prohibited by the Radio Law.
- Contents saved in the product, such as contacts, mails and favorites, might be altered or lost in an accident, fault, repair or mishandling. Be sure to keep a copy of important contents. Note that Company assumes no responsibility for any damages or lost profits resulting from altered or lost contents.
- Note that contents (both charged or free content) saved with the product cannot be returned to the customer when it 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. Note that this is not a malfunction.
- 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 photos you took, videos and music on your PC by sending each file as mail attachment, etc. Note, however, that you may not be able to make copies of any copyrighted data even by the above mentioned means.
- Take care not to place magnetized items such as magnetic cards, speakers and TV gets near the product, as it might cause malfunction.
Putting a 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. Doing so 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.
- When suddenly brought into a warm place from a cold place, or when in a humid location, or when used where temperature suddenly changes such as near the air discharge port of an air conditioner, water droplets (i.e. condensation) sometimes form inside the product. Note that when used under conditions such as this, the 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 the external device to/from the connection terminal or the earphone terminal, make sure that the connector of external device is straight with the connection terminal.
- Note that applying unnecessary force with the connection terminal or the earphone terminal connected to the external device might cause damage.
- Do not discard this 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 product are collected at au shops and other places.
- Do not insert a card other than microSD memory card into the microSD memory card slot on this 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 microphone to make your voice inaudible to the other party, the other party can hear your voice.
- Sound from speaker may be very loud when you use hands-free calling. Keep it away from your ear when using it.
- Do not peel off the black sheet on the back cover (the back part you can see when removing the back cover). Doing so might make it impossible for NFC/FeliCa data recognition.
- When you put a sticker, etc. on the proximity sensor, the sensor will malfunction and indications on the display will turn off at all times while receiving or making a call. In this case, note that you may not be able to operate the product.

■ 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.
- Do not put stickers or sheets (e.g. commercially available protective films, peep prevention sheets) on the display. Doing so might cause improper reaction of touch panel
- Do not operate the touch panel with fingernails. Doing so might result in split nails or jammed fingers.
- 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.

■ Battery pack
- Use in very hot or cold environments, for example, when left in a car with the windows closed in summer, will cause the battery pack capacity to drop and shorten the available battery usage time. This will also shorten the battery pack service life. Try to use the battery pack as far as possible at room temperature.
- Charge the battery before using the product for the first time after purchase, or if you have not used the product for a long time.
- The battery pack is a consumable item. If the performance does not recover after charge, the built-in is at the end of its service life, so stop using it. Because the battery is a built-in type, an au shop will accept holding over and repair for a charge. You may not use the product for a certain period. Please be forewarned. The life time of the internal battery depends on the usage etc.
- The built-in batteries sometimes swell up as they approach the end of their service life. This is due to the properties of lithium polymer batteries, and is not a problem in terms of safety.

■ Charging equipment
- When not using the specified charging equipment (sold separately), remove the AC adapter's power plug from the power outlet or cigarette lighter socket.
- Do not wrap the cord of the specified charging equipment (sold separately) around the adapter itself. Doing so might cause electric shock, fault, injure, overheating or fire.
- Do not forcibly bend the charging equipment's plug or the connection between the connector and power cord. Doing so might cause electric shock, fault, injure, overheating or fire.

■ au Nano IC Card (LTE)
- The au Nano IC Card (LTE) is lent to you by au. In case of loss or damage, the card will be replaced at your expense. When a malfunction is suspected, or in case of theft or loss, contact an au shop or PiPit.
- Do not forcibly remove or insert the au Nano IC Card (LTE). Be careful not to exert excessive force when inserting the card into your au cell phone.
- You are responsible for any damage caused by inserting your au Nano IC Card (LTE) into some other IC card reader/writer, etc.
- Keep the IC (metal) part of your au Nano IC Card (LTE) clean. Wipe the card with a dry, soft cloth (such as for cleaning eyeglasses) for cleaning.
- Do not put stickers, etc. on the au Nano IC Card (LTE).

■ LG TV antenna cable 01
- LG TV antenna cable 01 is not covered by the warranty.

■ 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 the recovery of altered or lost data, the 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 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
- Do not listen to music or watch videos or TV while driving a car or motorbike, or riding a bicycle. Use of cell phones while driving a car or motorbike is prohibited by law. (Use of cell phones while riding a bicycle may also be punishable by law.) In addition, stay alert to the traffic around you even when walking. Surrounding sounds may not be heard clearly, and gazing at the screen might distract your attention causing a traffic accident. Be especially careful at railroad crossings, on a platform, and at pedestrian crossings.
- Take care not to listen at ear-splitting volume for a long time, as it might affect hearing.
- Be careful of sound leakage from earphones in trains or other places with many people around you.

■ Copyrights and rights of portrait
- You are not allowed to copy, distribute, publish, modify or edit the data you shot, recorded or downloaded using the product without the consent of the copyright holder, except for personal use, under the copyright law.
In addition, do not use or modify portraits or names of other individuals without their consent, as it might infringe on rights of portrait.
Note that shooting and recording may be restricted at some live performances, shows and exhibitions even for personal use.
- Be careful about the copyright and portrait right when posting photos you shot, etc. on Internet homepages.

■ Backup content on the product
- Please back up important content recorded or downloaded for the product to an outside source. Content recorded to memory on the product sometimes disappears or is altered by unexpected factors, such as static electricity or a fault, repair, mishandling, etc.
  - How to make backups: Store important data such as contacts data, music, shot photos and videos on microSD memory cards. 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. Please be forewarned.

Available Security Codes

The product has various security codes that you can use.
The available security codes are as follows. Do not forget the various security codes that are set as they are necessary for various operations and contracts.

● Security code

Example of usage	❶ To do remote operation of voice mail and call forwarding services from a landline phone ❷ Ask Liquid 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

● PIN code

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

● Lock No. (NFC/Osaifu-Keitai lock)

Example of usage	Lock No. (NFC/Osaifu-Keitai lock)
Initial value	1234

Privacy Protected Function

The function shown below is installed in the product to protect the privacy of the saved data.

Function	Description
Screen lock	Set Swipe, Face Unlock, Knock Code, Pattern, PIN, or Password to secure data when turning on the phone or when unlocking the screen.

PIN Code

■ PIN code
To prevent unauthorized use of the au Nano IC Card (LTE) by a third party, you can set the product to require PIN code entry every time the power is turned on. You also need to enter PIN code when setting whether the PIN code entry is required.
If the PIN code is incorrectly entered three times consecutively, the PIN code will be locked. You can unlock the PIN code using PUK code.
- Entering PIN code is not required by default state. In "Lock SIM card", however, you can change the setting requiring the PIN code.
Also, PIN is required when setting "Lock SIM card".
- The preinstalled PIN was set to "1234". You can change PIN code to any four- to eight-digit number in "Change SIM PIN" if necessary.

■ PUK code
In case the PIN code is locked, you can unlock it by entering the PUK code.
- PUK code is an eight-digit number given at the time of purchase, which is printed on the back side of the plastic card on which your au Nano IC Card (LTE) is attached.
- After entering the PUK code, you need to set a new PIN code in "Change SIM PIN".
- If the PUK code is incorrectly entered 10 times consecutively, contact an au shop, PiPit or Customer Service Center.

memo
- If PIN is locked, the product may restart to protect its security.
- "PIN code" is not reset by Factory data reset.

Notes on waterproof and dustproof properties

This product has a waterproof property equivalent to IPX5*1 and IPX7*2, as well as a dustproof property equivalent to IP6X*3 on the condition that the back cover, au Nano IC Card (LTE) tray and microSD memory card slot cover are securely attached (based on in-house testing). Specifically, you can make calls holding the product with wet hands in the rain (less than 20 mm per hour) without an umbrella, as well as use the product in a place with water such as a bathroom or kitchen. Before using the product, thoroughly read "Important items to remember before use" and "Tips for comfortable use" to ensure correct use. Failure to follow the contents described in these sections may cause the intrusion of water, sand or other foreign material, resulting in overheating, fire, electric shock, injury or a fault.

*1 IPX5 equivalent means that the product will maintain its operability as a phone even if it is sprayed with water from a 6.3mm diameter nozzle at a distance of about 3 meters for more than 3 minutes at a rate of about 12.5 liters per minute from any direction.

*2 IPX7 equivalent means that the product will maintain its operability as a phone with no water getting inside the main unit even if it is gently submerged in a tank of still tap water at room temperature to a depth of 1 meter for about 30 minutes.

*3 IP6X equivalent means that the product will securely maintain its function of no grit and dust getting inside the main unit even after it has been placed in an apparatus with grit and dust of diameters of 75 μm or less and shaken for 8 hours.

Since operation of the product on each usage scene was confirmed based on the above assumption, proper operation of the product in every possible condition during actual use is not guaranteed. Malfunctions determined to be caused by mishandling by the customer are not covered by the warranty.

■ Important items to remember before use
- For waterproof/dustproof, close the back cover tightly by pressing the cover along the lines below. And, close au Nano IC Card (LTE) tray and microSD memory card slot cover tightly too.

- Waterproofness/dustproofness is only effective when the covers are securely closed.
- Just a small particle (a hair, etc.) on the seals can cause water leak.
- Do not open/close the external connection terminal cover or back cover if the main unit or your hands are wet.
- Do not immerse the product in water with soap, detergent or bath salts in it.

Soap/Detergent/Bath salts

- Do not immerse the product in seawater, a swimming pool or hot spring.

Seawater Hot spring

- Do not immerse the product in any liquid (alcohol, etc.) other than water.
- Do not place the product directly on the sand at a beach, etc. Sand or other small particles might get inside the earpiece, microphone or speaker, causing the volume to drop. If sand gets inside the product's main unit, it might cause overheating or a fault.

Sand/Mud

- Do not use the product underwater.
- Do not leave the product in a humid place such as a bathroom or kitchen for an extended period of time.

■ Tips for comfortable use
- Once the product gets wet, water may remain in gaps of the main unit. Shake the product well to drain water. Especially make sure to drain water remaining in the hinge part, back cover and key parts.
- Even after water is drained, the inner parts might be still wet. Although you can use the product, do not place it near things that must not get wet. Take care not to wet your clothes, bag or contents of the bag.
- Drain water if it becomes temporarily hard to hear the sound due to water remaining in the microphone or earpiece.

■ Notes on various usage scenes
In the rain: You can make calls holding the product with wet hands in the rain without an umbrella.
- The rain in this case means a moderately-heavy rain (less than 20 mm per hour).
- Water drops on the display might cause errors in the touch panel operation.
- Never open/close the external connection terminal cover or back cover if the product is exposed to rain, or your hands are wet.

In the shower: You can make calls holding the product with wet hands while taking a shower.
- Avoid spraying the product with high-pressure water, as the product is not designed to withstand high water pressure.

Washing: You can wash the product under a mild flow (up to 6 liters per minute) of tap water at room temperature (5℃ to 35℃) at a distance of about 10 cm from the faucet or showerhead.
- Do not spray the product with high-pressure water or submerge it in water for extended periods of time, as the product is not designed to withstand high water pressure.
- Make sure that the back cover is tightly closed, and holding the external connection terminal cover so that it does not open, wash the product with your hands. Do not use a brush or sponge.
- Do not wash the product in a washing machine or ultrasound bath.
- Do not splash the product with or immerse it in soap water, detergent water, etc. other than tap water.

In the bath: You can use the product in a bathroom. Although you can make calls with wet hands, do not immerse the product into a bathtub. The product is not resistant to hot temperatures.
- Do not use the product in a bathroom for an extended period of time. The product is not moistureproof.
- Do not immerse the product in hot spring water, soap water, detergent water, or water with bath salts in it. Also, do not use the product underwater. Doing so may cause a fault.
- Extreme changes in temperature cause condensation. Wait until the main unit reaches room temperature before you bring the product from a cold place into a warm bathroom.
- If condensation occurs inside the display, leave the product at room temperature for a while until the condensation is cleared.
- Do not splash the product with hot water. The product is not resistant to hot temperatures.
- Do not bring the Smart phone Cradle (sold separately) into a bathroom.
- Do not bring LG TV antenna cable 01 into a bathroom.

In the kitchen: You can use the product in the kitchen and other places where water is used.
- Do not splash the product with or immerse it in soap water, detergent water, seasonings, juices, etc. other than tap water.
- Do not immerse the product in or splash it with boiling water. The product is not resistant to hot temperatures.
- Do not place the product where it gets extremely hot or cold such as near a stove or in a refrigerator.

■ Common precautions
- Back cover
Make sure that the back cover is securely attached. Just a small particle (a hair, etc.) on the seals can cause water leak.
Do not attach/remove the back cover with gloved hands. Just a small particle (a hair, etc.) on the seals can cause water leaks. Wipe off any minuscule droplets of water or dirt with a clean dry cloth before closing the covers.
If the back cover is deteriorated or damaged, the waterproof/dustproof property becomes ineffective. In such case, contact an au shop near you or Keitai Guarantee Service Center.
- If any liquid other than plain water gets on the product
If any liquid other than plain water (e.g. seawater, detergent, alcohol) gets on the product, immediately rinse it with plain water.
You can wash the product under a mild flow (up to 6 liters per minute) of tap water at room temperature (5 ℃ to 35 ℃) at a distance of about 10 cm from the faucet or showerhead.
If the product gets dirty, instead of using a brush, wash it with your hands holding the back cover and external connection terminal cover so that they do not open.
- After the product gets wet
After the product gets wet, drain water, and wipe the main unit and the back cover with a clean dry cloth without removing the back cover.
In cold climates, water on the main unit may turn to frost. Using the product with frost may cause a fault. Do not leave the product without wiping off water. (No special measures against condensation have been implemented in this product.)
- Rubber seals
Rubber seal in au Nano IC Card (LTE) tray and microSD memory card slot cover plays an important part in waterproof/dustproof property.
Do not damage or remove the rubber seals. Take care not to get the rubber seals caught when closing au Nano IC Card (LTE) tray and microSD memory card slot cover. Forcibly closing the cover with the rubber seals caught may damage them resulting in loss of waterproof/dustproof property. Just a small particle (a hair, etc.) on the seals can cause water leak. If any liquid other than plain water (e.g. alcohol) gets on the rubber seals, it may cause deterioration in durability.
Do not insert the sharp pointed object in au Nano IC Card (LTE) tray or microSD memory card slot cover. Doing so might damage or deform the product or damage the rubber seals, causing water leak.
When attaching back cover, confirm if au Nano IC Card (LTE) tray and microSD memory card slot cover are attached firmly.
It is recommended to replace the parts for maintaining waterproof/dustproof property once every two years regardless of whether any abnormality is present. For information on part replacement, contact an au shop nearby.
- Charging
Never charge the battery if the main unit is wet.
The supplied and optional accessories are not waterproof/dustproof.
- Waterproof property
Do not use the product in places where it may be sprayed with high-pressure water (e.g. near a faucet or showerhead) or submerge it in water for extended periods of time, as the product is not designed to withstand high water pressure. Also, do not expose the product to a water flow stronger than the specified flow rate (i.e. 6 liters per minute from a faucet or showerhead, at which you might even feel pain in the skin). Doing so might cause a fault, even though the product has a waterproof property equivalent to IPX5. Do not wash the product in a washing machine or ultrasound bath.
This product does not float on water.
- Heat resistance
Do not use the product in places where boiling water may splash on it, in saunas or near hot air (e.g. hairdryer). The product is not resistant to high temperatures.
- Shock
This product is not resistant to shock. Do not drop the product or subject it to shock. Also, do not jab the earpiece, microphone or speaker with a cotton swab or any sharp object. Doing so might damage or deform the main unit causing water leak.

■ Draining water after wetting the product
As some parts of this product are not watertight, if you use the product after it gets wet, water remaining in those parts might wet your clothes or bag, or the sound might become hard to hear.
Follow the steps below to drain water.

1 Carefully wipe the moisture off the main unit with a dry towel, cloth, etc.

2 Hold the product firmly and shake it about 20 times in the direction of the arrow shown in the figure until water drops no longer fly off.
When shaking the product, confirm the safety around you and hold it firmly so as not to drop it.

3 Cover the power key and volume key with a towel, cloth, etc. and press each key two to three times.

4 Wipe the moisture coming out from inside with a dry towel, cloth, etc.

5 Place it on a dry towel, cloth, etc. and let it dry at ambient temperature. (Around 30 minutes)
If it is not fully dried, the sound may become hard to hear. Let it fully dry before use.

■ Precautions on charging
The supplied and optional accessories are not waterproof/dustproof. Be sure to check the following points before charging.
- Never charge the battery if the main unit is wet. Doing so might cause electric shock or short circuit resulting in a fire, burns or a fault.
- Check that the main unit is not wet. If you are charging the battery just after the product gets wet, drain water and wipe remaining water off with a clean dry cloth before connecting it to the specified charging equipment (sold separately).
- Do not touch the specified charging equipment (sold separately) with wet hands. Doing so might cause electric shock.
- Do not splash water over the specified charging equipment (sold separately) when using them. Do not use them near water such, as in a bathroom, shower room, kitchen or washroom. Failure to do so might cause fire, electric shock, injure or a fault. Do not bring them into a bathroom, etc. even when you are not charging with them. Failure to do so might cause fire, electric shock, injure or a fault.

Bluetooth®/Wireless LAN (Wi-Fi®) Function

- The Bluetooth® function and the wireless LAN (Wi-Fi®) function of this product conforms to the domestic standards of Japan, 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, the communication speed and connectable range may be decreased, or disconnection may occur, due to interference from other devices.
- Do not use this product in places where electromagnetic waves are generated or near electric products, AV and OA equipment, or other magnetized devices.
- Subjecting this product to magnetic or electrical noise might increase noise and prevent it from performing communications. (This product is particularly susceptible to noise when it used near a microwave oven.)
- Using this product near a TV, radio or similar appliance might cause reception interference and disrupt TV images.
- The searching might not be successful if there are multiple wireless LAN (Wi-Fi®) access points near to the product or the same channel is being used.
- The wireless LAN function cannot be used in airplane. Be sure to turn off the power even in a wireless LAN (Wi-Fi®) compliant airplane. Some airline companies, however, allow their passengers to use cell phones. For details, contact the airline company you use.
- The communication speed and connectable range vary depending on the distance between communication devices, obstacles and the devices to connect.

2.4 GHz Frequency Band Precautions

The frequencies used by the Bluetooth® and/or wireless LAN (Wi-Fi®) function of this product are in the 2.4 GHz band. In this frequency band, other similar wireless stations, in-plant wireless stations for mobile unit identification that require a license to use, such as factory production lines, specific small power wireless stations that do not require licenses, amateur wireless stations (collectively called "other wireless stations" from here on) are operated in addition to home electrical appliances such as microwave ovens, devices for industrial, scientific and medical devices.
1. Before using 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 this product and "other wireless stations", immediately either relocate this product or stop operation of the device (stop the emission of radio waves).
3. If you are unclear on any points or are troubled by anything, contact an au shop or Customer Service Center.

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- The connections between this product and all other Bluetooth® and wireless LAN (Wi-Fi®) devices have not been confirmed. Therefore, connections with all Bluetooth® and wireless LAN (Wi-Fi®) devices have not been confirmed.
- This product supports security features for wireless communications that are compliant with the Bluetooth® and wireless LAN (Wi-Fi®) standard specifications, but the security may not be sufficient depending on the usage environment and configuration. Be careful when making data communication using Bluetooth® or wireless LAN (Wi-Fi®) function.
- Wireless LAN (Wi-Fi®) has the advantage that it can be freely connected anywhere within the radio wave range, as it uses radio waves for exchanging information. At the same time, there is a risk that a malicious third party may obtain unauthorized access if security settings have not been configured. You are recommended to configure security settings before using wireless LAN 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 may cause radio wave interference resulting in decreased communication speed or disconnection from the network. If connection fails, stop using either of the Bluetooth® and wireless LAN (Wi-Fi®) functions.

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

- Bluetooth® function: 2.4FH1
This product uses the 2.4 GHz band. FH-SS is used as the modulation scheme. The interference distance is about 10 m or less.
- Wireless LAN (Wi-Fi®) function: 2.4DS/OF4
This product uses the 2.4 GHz band. DS-SS and OFDM are used as the modulation schemes. The interference distance is about 40 m or less.
- Bandwidth to use: Full band
This means that full band can be used, and that band of mobile unit identification devices can be avoided.
- Available channels differ depending on the country.
- For use in an airplane, check with the airline company in advance.

5GHz Frequency Band Precautions

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

IEEE802.11 b/g/n	
IEEE802.11 a/n/ac	
W52	W53	W56

■ HT20
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)

■ HT40
W52 (5.2 GHz band/38, 46 ch)
W53 (5.3 GHz band/54, 62 ch)
W56 (5.6 GHz band/102, 110, 118, 126, 134 ch)

■ HT80
W52 (5.2 GHz band/42 ch)
W53 (5.3 GHz band/58 ch)
W56 (5.6 GHz band/106, 122 ch)

Notes on Packet Communication Charge

- Since a 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 a packet communication charge discount service or flat late plan is recommended.
- On the product to browse websites, 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®) connection.

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 operation problems that might be caused by the applications you have installed. In such case, you may be charged a repair fee even during the warranty period.
- The Company assumes no responsibility for any disadvantage brought to you or any third party by applications you have installed.
- Depending on applications, microSD memory card is required when using the application.
- Some applications prohibit the product from entering sleep mode while they are active, or rapidly drain the battery while running in the background.
- Operational procedures and screen appearances of the applications preinstalled in the product and those installed by you are subject to change without notice as a result of version upgrade. In addition, operating procedures described in this manual may differ from the actual procedures.

Specific Absorption Rate (SAR) of Cell Phones

This model LGV32 mobile phone complies with Japanese technical regulations and international guidelines regarding exposure to radio waves.
This mobile phone was designed in observance of Japanese technical regulations regarding exposure to radio waves* and limits to exposure to radio waves recommended by a set of equivalent international guidelines. These international guidelines were set out by the International Commission on Non-Ionizing Radiation Protection (ICNIRP), which is in collaboration with the World Health Organization (WHO), and the permissible limits include a substantial safety margin designed to assure the safety of all persons, regardless of age and health condition.
The Japanese technical regulations and international guidelines define the limits using a unit of measurement known as the Specific Absorption Rate (SAR), which represents the average amount of radio frequency energy absorbed by the human. The SAR limit for mobile phones is 2.0 W/kg. The highest SAR value for this mobile phone when tested for use at the ear is X.XXXW/kg. The highest SAR value for this mobile phone when tested for use on the body is X.XXXW/kg. There may be slight differences in SAR levels among individual products, but they all satisfy the limit.
The actual SAR of this mobile phone while talking on the phone can be well below that indicated above. This is due to automatic changes in the power level of the mobile phone to ensure it only outputs the minimum power required to communicate with a base station. Therefore in general, the closer you are to a base station, the lower the power output of the mobile phone.
This mobile phone can be used in positions other than against your ear. Use an accessory such as a carrying case, etc. so that you can hold the product at least 1.5 cm away from your body and also do not contain metal parts between the product and your body. By doing this, this mobile phone complies with Japanese technical regulations and international guidelines regarding exposure to radio waves.
The World Health Organization has stated that present scientific information does not indicate that use of mobile devices has any harmful effects on the human body. They recommend that if you are still worried about your exposure then you can limit your talk time or use a handsfree kit to keep the mobile phone away from your head and body.
If you would like to know more detailed information, please refer to the WHO website.
http://www.who.int/docstore/peh-emf/publications/facts_press/fact_english.htm
Please refer to the websites listed below if you would like to know more detailed information regarding SAR.

○ **Ministry of Internal Affairs and Communications Website:**
http://www.tele.soumu.go.jp/j/ele/index.htm

○ **Association of Radio Industries and Businesses Website:**
http://www.arib-emf.org/indexO2.html (in Japanese only)

○ **au Website:**
http://www.au.kddi.com/

○ **LG Electronics Inc. Website:**
Refer to "Specifications" page of this product.
http://www.lg.com/jp/mobile-phone (in Japanese only)
(URL are subject to change without notice.)

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

Declaration of Conformity

The product "LGV32" is declared to conform with the essential requirements of European Union Directive 1999/5/EC Radio and Telecommunications Terminal Equipment Directive 3.1(a), 3.1(b) and 3.2.
This mobile phone complies with the EU requirements for exposure to radio waves.
Your mobile phone is a radio transceiver, designed and manufactured not to exceed the SAR* limits** for exposure to radio-frequency (RF) energy, which SAR* value, when tested for compliance against the standard was X.XXX W/kg at the ear, and X.XXX W/kg when worn on the body. To comply with the RF Exposure limits a distance of greater than 1.5 cm must be maintained from the user's body.
While there may be differences between the SAR* levels of various phones and at various positions, they all meet*** the EU requirements for RF exposure.
*The exposure standard for mobile phones employs a unit of measurement known as the Specific Absorption Rate, or SAR.
**The SAR limit for mobile phones used by the public is 2.0 watts/kilogram (W/kg) averaged over ten grams of tissue, recommended by The Council of the European Union. The limit incorporates a substantial margin of safety to give additional protection for the public and to account for any variations in measurements.
***Tests for SAR have been conducted using standard operating positions with the phone transmitting at its highest certified power level in all tested frequency bands. Although the SAR is determined at the highest certified power level, the actual SAR level of the phone while operating can be well below the maximum value. This is because the phone is designed to operate at multiple power levels so as to use only the power required to reach the network. In general, the closer you are to a base station antenna, the lower the power output.

European Union Directives Conformance Statement

CE0168

Hereby, LG Electronics Inc. declares that this product is in compliance with:
- The essential requirements and other relevant provisions of Directive 1999/5/EC
- All other relevant EU Directives

The above gives an example of a typical Product Approval Number.

Wi-Fi(WLAN)	This device is intended for sale in Japan only. This equipment may be operated in all European countries. The 5150 - 5350 MHz band is restricted to indoor use only.

Important Safety Information

AIRCRAFT
Switch off your wireless device when boarding an aircraft or whenever you are instructed to do so by airline staff. If your device offers a 'flight mode' or similar feature consult airline staff as to whether it can be used on board.

DRIVING
Full attention should be given to driving at all times and local laws and regulations restricting the use of wireless devices while driving must be observed.

HOSPITALS
Mobile phones should be switched off wherever you are requested to do so in hospitals, clinics or health care facilities. These requests are designed to prevent possible interference with sensitive medical equipment.

PETROL STATIONS
Obey all posted signs with respect to the use of wireless devices or other radio equipment in locations with flammable material and chemicals. Switch off your wireless device whenever you are instructed to do so by authorized staff.

INTERFERENCE
Care must be taken when using the phone in close proximity to personal medical devices, such as pacemakers and hearing aids.

Pacemakers
Pacemaker manufacturers recommend that a minimum separation of 15 cm be maintained between a mobile phone and a pacemaker to avoid potential interference with the pacemaker. To achieve this use the phone on the opposite ear to your pacemaker and do not carry it in a breast pocket.

Hearing Aids
Some digital wireless phones may interfere with some hearing aids. In the event of such interference, you may want to consult your hearing aid manufacturer to discuss alternatives.

NOTE : Excessive sound pressure from earphones and headphones can cause hearing loss.

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

For other Medical Devices :
Please consult your physician and the device manufacturer to determine if operation of your phone may interfere with the operation of your medical device.

CAUTION
RISK OF EXPLOSION IF BATTERY IS REPLACED BY AN INCORRECT TYPE.
DISPOSE OF USED BATTERIES ACCORDING TO THE INSTRUCTIONS.

FCC Notice

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.
Note:
This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.
However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:
- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help and for additional suggestions.

Warning
The user is cautioned that changes or modifications not expressly approved by the manufacturer could void the user's authority to operate the equipment.

FCC RF Exposure Information

This model phone is a radio transmitter and receiver.
It is designed and manufactured not to exceed the emission limits for exposure to radio frequency (RF) energy set by the Federal Communications Commission of the U.S. Government.
The guidelines are based on standards that were developed by independent scientific organizations through periodic and thorough evaluation of scientific studies. The standards include a substantial safety margin designed to assure the safety of all persons, regardless of age and health.
The exposure standard for wireless handsets employs a unit of measurement known as the Specific Absorption Rate, or SAR. The SAR limit set by the FCC is 1.6 W/kg. The tests are performed in positions and locations (e.g., at the ear and worn on the body) as required by the FCC for each model.

Body-worn Operation

This phone was tested for typical body-worn operations with the back of the phone kept at a distance of 10 mm from the body. To maintain compliance with FCC RF exposure requirements, use accessories that maintain a 10 mm separation distance between your body and the back of the phone. The use of belt clips, holsters and similar accessories should not contain metallic components.
The use of accessories that do not satisfy these requirements may not comply with FCC RF exposure requirements, and should be avoided.
The FCC has granted an Equipment Authorization for this model handset with all reported SAR levels evaluated as in compliance with the FCC RF emission guidelines. SAR information on this model handset is on file with the FCC and can be found under the Display Grant section of http://www.fcc.gov/oet/ea/fccid/ after searching on FCC ID ZNFV32.

Additional information on Specific Absorption Rates (SAR) can be found on the Cellular Telecommunications & Internet Association (CTIA) website at http://ctia.org/.

Export Administration

Regulations This product and its accessories may fall under the category of application of Japan Export Control Regulations ('Foreign Exchange and Foreign Trade Law' and relevant laws and regulations). U.S. Re-export Regulations (Export Administration Regulations) is applied to this product and its accessories. If you export or re-export this product or its accessories, please follow the necessary procedures at your own risk and expense. For details on the procedures, contact the Ministry of Economy, Trade and Industry or the U.S. Department of Commerce.

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