

au

optimus

LGL21

Basic Manual '12.XX

Preface

Thank you for buying the LGL21.
Before using the product, be sure to read the "Basic Manual" (this manual) to ensure correct use. After you have finished reading this manual, be sure to store it in a safe place so that you can retrieve it whenever needed. If you lose the "Basic Manual" (this manual), contact an au shop or Customer Service Center.

About Operating Instructions

■ "Basic Manual" (this manual)

In the "Basic Manual" (this manual), handles only basic operations for main features. For detailed descriptions of various functions, refer to the "Instruction Manual" application that can be used on your au mobile or "Full Instruction Manual" on au website.

- Company names and product names in this manual are either trade marks or registered trade marks.

■ "Instruction Manual" Application (Japanese only)

You can use the "Instruction Manual" application installed in the LGL21 to view detailed operational procedures. Certain functions can be directly activated from the application screens on which their operations are described.

1 Home screen ▶ "Applications" ▶ "Instruction Manual"

- When using the application for the first time, you must download and install it following the on-screen instructions.

■ Downloading Instruction Manual

You can download "Instruction Manual" (Japanese only), "設定ガイド (Setting Guide)" (Japanese only) and "Instruction Manual" (Full version) (Japanese only) from au website.

<http://www.au.kddi.com/torisetu/index.html>

Safety precautions

Before you start using the LGL21, be sure to read the "Safety Precautions" to ensure correct use.

Before you assume that the product is malfunctioning, be sure to read "Troubleshooting" in this manual and check for possible remedies.

Check for possible remedies in the following au Customer Support site of au website.

<http://www.kddi.com/customer/service/au/trouble/kosho/index.html>

When using the product

- Communication is not possible even inside the service area in places where the signal does not reach (e.g. tunnels and basements). Also, communication is sometimes not possible in poor reception areas. Communication is sometimes interrupted if you move into a poor reception areas during communications.
- A feature of digital communications used on the LGL21 is that consistent, high communications quality continues to be maintained down to a weak signal limit. Accordingly, communication is sometimes interrupted if this limit is reached and exceeded during communications.
- Since the LGL21 uses radio waves, the possibility of communication intercepts by third parties cannot be eliminated. (Though CDMA system has highly secure confidential communication features.)
- The LGL21 is compatible with the international roaming service. Each network service described in this manual varies depending on the area and service content.
- Since the LGL21 is a radio station under the Radio Law, you may be asked to temporarily submit the LGL21 for inspection in accordance with the Radio Law.
- After inserting the au IC-Card in your cell phone, power on the LGL21. The product number of the cell phone is automatically sent to KDDI CORPORATION for maintenance and monitoring operational status of your cell phone.
- Take care not to disturb people around you by ringtone of an incoming call or when you make a call in a public place.
- When the product is used by a child, parents or guardians should thoroughly read the "Basic Manual" (this manual) and teach the child how to use it.
- Do not talk on the phone loudly.

- Ask for permission of other people before taking pictures of them by this cell phone.
- The same to PC, depending on the application used for installation, the operation of your LGL21 may get unstable, or your location information and other personal information registered in the LGL21 may get revealed and abused via Internet. Make sure to confirm the source and the operation conditions of the application you use.

Take care of people around you!

- Turn the product off in crowded trains or other crowded places, since there may be people with a cardiac pacemaker 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.

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

- Do not use a cell phone while driving a car or riding a motorbike or bicycle. It may cause a traffic accident. Use of a cell phone while driving a car or motorbike is prohibited by law. Use of a cell phone while riding a bicycle may be punishable by some regulations.
- Do not use the LGL21 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.
The LGL21 is automatically powered on when being connected with a PC by a microUSB cable. Therefore, do not connect it in airplane.

List of Packaged Items

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

- LGL21 main unit

- Battery pack (LG111UAA)

- microSD memory card (2GB) (Sample)

- microUSB cable (Sample)

- AC adapter (LG111PQA)

- 設定ガイド (Setting Guide)
- 取扱説明書 (Instruction Manual)
- 保証書 (Warranty)
- ご使用上の注意 (Precautions)

The following items are not included in the package.

- Earphone

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.
- Wrong page order or missing pages will be replaced.
- Screen illustrations used in this manual may look different from the actual screens.

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Regarding notations used in this document

■ Key indications used in this manual

In this manual, keys are represented by simplified illustrations as shown below.

- Indications used for the operation of selecting items/ icons/keys, etc. Indications used for the operation of selecting items/icons/keys, etc.

Notations used for operation procedures in this manual are as follows.

Notation	Description
Home screen ▶ "Phone" ▶ "1" "4" "1" ▶ 	Tap "Phone" at the bottom of the Home screen. Tap    in order and tap  .
Home screen ▶  ▶ "Notifications"	Tap  on the Home screen. Tap "Notifications".

memo

- Descriptions in this manual are based on the operations of portrait screen. Items, icons or the keys on the screen may look different with horizontal screen.
- Items, title levels and icons in this manual may look different based on different functions you use or different conditions, etc.
- In this manual, refer to the method of entering lock No. for unlock method.
- In this manual, "microSD™ memory card" or "microSDHC™ memory card" is called "microSD memory card" or "microSD" for short.

■ Screen displays used in this manual




Screen illustrations shown in this manual may look different from the actual screens. In some cases, minor details or a part of a screen may be omitted. For the default settings of the respective functions, refer to "LGL21 Instruction Manual (Full version)".

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 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 of or inability to use the product. It is recommended that you keep a copy of important numbers, etc.
- The Company is not liable for any damages arising from improper usage not written in 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 on the product refers to the following companies:
 Sold by: KDDI CORPORATION,
 OKINAWA CELLULAR TELEPHONE COMPANY
 Imported by: LG Electronics Japan Inc.
 Manufactured by: LG Electronics Inc.







Safety Precautions (Observe Strictly)

- For proper use, read these safety precautions before using this product.
- These "Safety Precautions" describe instructions that should be observed to prevent damage to property or injury to the customer or others using the LGL21.
- 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 ^{*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 longterm 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.


- Explanation of graphic symbols used in this manual are as follow.


 Don't	Indicates an action that is not allowed.
 No wet hands	Indicates that handling with wet hands is not allowed.
 Not disassembly	Indicates that disassembly 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.
 Do	Indicates an action that must be done.
 Unplug	Indicates that the power plug must be disconnected from the power outlet.


- Precautions common to the main unit of the LGL21, battery pack, charging equipment, au IC-Card, peripheral devices


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


 **Do** Be sure to use only the exclusive peripheral devices. Use of other peripheral devices might cause overheating, fire, 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 the LGL21 and stop charging the battery. Failure to do so might cause the gas to catch fire.

 **Don't** Do not put the product in 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 terminals. Do not allow conductive foreign objects (metal fragments, pencil leads, etc.) to come into contact with or get inside the connection terminals. Doing so might cause fire or a fault.



Don't

When using a metal strap or accessory, take sure not to allow the metal part come in contact with the connection terminals or power outlet. Doing so might cause electric shock, fire, injury or a fault.



Don't

When plugging the AC adapter into an outlet, do not allow a metal strap or accessory come in contact with the power plug. Doing so might cause fire, electric shock, injury or a fault.



Don't

Do not expose the camera lens to direct sunlight. 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, fire, electric shock, or injury. The Company is not liable even in the event of any nonconformities arising on the LGL21 or software as a result of modification, etc. Modification of cell phones 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, fire, 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 LGL21 is damaged because it is dropped or something, and its internal parts are exposed, do not touch the exposed parts with your hands. Doing so might cause electric shock or injury from damaged parts. Contact an au shop or Customer Service Center.



Not liquids

No
wet hands

In the event that the LGL21 is splashed with liquid, immediately disconnect the power plug, battery pack and microUSB cable. Also, faults may be caused by humidity when you keep this product too close to your body. Faults caused by wetting with water or humidity are not covered by the warranty and charges will be incurred for repair.



Don't

When removing the battery cover, do not exert more than necessary force. The battery pack might jump out, for example, and cause injury or a fault.



Don't

Do not operate the product while driving an automobile or motorized bicycle, 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 fire.



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 automobiles), 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 the product with bedding, etc. while using or charging the product. Doing so might cause fire, fault or injury.



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. Also, pay attention while using TV antenna.



Don't

Do not touch the main unit of the LGL21, battery pack, or AC adapter for a long time while power is being supplied from an external source. Doing so 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 battery 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 plug AC adapter when the battery pack is removed from the LGL21 main unit. Doing so might cause fire or electric shock.



Don't

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



Do

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.



Do

Do not use if there is smoke, abnormal odor or noise, excessive overheating, or other abnormalities. If an abnormality occurs, disconnect the AC adapter from the power outlet, make sure that the product is not overheating before turning the power off and removing the battery pack, and contact an au shop or Customer 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 Customer Service Center.

**Do**

When you use earphones purchased commercially, adjust it to a proper volume. Too loud or using them for a long time might cause hearing problem. Surrounding sounds may not be heard clearly when you turn up the volume too much and therefore cause a traffic accident at railroad crossings and pedestrian crossings.

**Do**

When using an AC adapter or external device, insert/remove the connector straight to/from the terminal. Make sure the orientation of the connector is correct. Failure to do so might cause damage or a fault.

■ Main unit of the LGL21

**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 may cause a traffic accident. Use of a cell phone while driving a car or motorbike is prohibited by law. Use of a cell phone while riding a bicycle may be punishable by some regulations.

**Do**

Turn off the LGL21 in airplane. The radio waves of the LGL21 might affect electronic devices and cause faults during a flight. The LGL21 is automatically powered on when being connected with a PC by a microUSB cable. Therefore, do not connect it in airplane.

**Do**

The LGL21 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 LGL21 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 LGL21 at least 22 cm away from the pacemaker or cardioverter-defibrillator.
2. Turn off the LGL21 in crowded trains or other crowded places, since there may be people with an 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 LGL21 into operating theaters, intensive-care units (ICU) and coronary care units (CCU) .
 - Turn off the LGL21 in hospital wards. The LGL21 is automatically powered on when being connected with a PC by a microUSB cable. Therefore, do not connect it in hospital wards.
 - Even if you are in a lobby, etc., be sure to turn off the LGL21 when there are electronic medical devices nearby.
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 (1 Seg) or listening to music. Failure to do so might cause a fall or traffic accident.



Do

Sometimes, very rarely some people demonstrate symptoms such as temporary muscle spasms, loss of consciousness, etc. by watching strong light or 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.



Don't

Do not leave the LGL21 in a extremely hot place such as an automobile with the windows closed in summer. The LGL21 might get hot, causing burns. Also, the battery capacity will drop and shorten the available battery usage time or deform the LGL21 .



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 LGL21 are as follows.

Part	Material	Surface treatment
Outer case (display frame part)	PC+GF resin	Acrylic UV cured coating
Outer case (side)	PC resin	Acrylic UV cured coating
Battery cover	PC resin	Acrylic UV cured coating
HDMI connector	PC resin/urethane	Acrylic UV cured coating
TV antenna	PC resin	Acrylic UV cured coating
Power key	Aluminum alloy	Anode treatment
Volume key (UP/DOWN)	Aluminum alloy	Anode treatment
Display	Hardened glass	Easy Cleaning Coating
Display decoration	PC resin	Acrylic UV cured coating
Earpiece	Stainless steel	Acrylic urethane thermally-cured treatment
Out camera lens	Hardened glass	None
Camera lens decoration	Stainless steel	Chrome plating



Don't

Do not use the LGL21 in crowded places. It might cause unexpected injury by hitting people.



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 connection terminal and microSD memory card slot. Failure to do so might cause fire, electric shock or a fault.



Don't

Do not swing the product around by holding earphones purchased commercially, the hand strap, or the TV antenna, etc. Doing so might cause an accident or damage.



Do

Do not use the product with the cover of HDMI connector open. Dirt or water may get inside and cause a fault.



Do

Stow the TV antenna when not watching TV (1Seg). If you operate the product for calling, etc. with the TV antenna extended, it might cause unexpected injury by hitting your face, etc.



Do

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



Do

Pay attention to items becoming stuck to the earpiece or speaker. Magnets are used 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 earpiece or other parts.



Don't

Do not swing the LGL21 with extended TV antenna. Doing so might cause injury, damage of TV antenna or deform the antenna.



Do

Do not put the product directly on 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 LGL21's main unit, it might cause overheating or a fault.



Do

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. Doing so may cause fire, burns or a fault.



Don't

Do not use ballpoint pens, pencils or other sharp-pointed objects to operate the touch panel. Doing so might cause damage to the display.



Don't

Do not operate the touch panel with fingernails. Doing so might result in split nails.

■ Battery pack



Li-ion00

The battery pack of the LGL21 is lithium-ion battery. It is not fully charged at the time of purchase. Charge the battery before using the product.



DANGER

Mishandling is dangerous as it might cause overheating, leakage or rupture. Be sure to read the following hazards before use.



Don't

Do not short-circuit the positive (+) and negative (-) terminals of the battery pack.



Don't

Connect the battery pack to the LGL21 in the correct orientation. Connecting in an incorrect orientation might cause rupture, fire or overheating. Do not try to forcibly connect the battery pack, instead thoroughly check the connection terminals before connection.



Don't

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



Don't

Do not allow metal objects (such as necklaces and hairpins) to come in contact with the connection terminals when carrying or storing the battery pack. Doing so might cause fire or a fault due to a short circuit.



Not disassembly

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



Don't

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



Not liquids

Do not wet the battery pack with water, seawater, pet urine, etc. Do not charge the battery pack when it gets wet. A wet battery pack might cause overheating, rupture or fire. If you drop the product into water by mistake, immediately turn off the power, remove the battery pack, and contact an au shop or Customer Service Center. Never charge the wet battery pack.



Do

If the liquid 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.



Do

When removing the battery pack from the LGL21, put your finger (nail, etc.) into the dimples of the LGL21 and pull up the battery pack to remove it. Do not insert sharp-pointed objects such as pens, etc. It might cause fire or damage when removing them.



Do

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



Do

Be careful not to have the battery pack bitten by your pet. It might cause leakage, overheating, rupture or ignition of the battery pack.

■ Battery charger



Mishandling might cause overheating, fire, electric shock, etc.
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 fire, overheating or electric shock.

- AC adapter: 100 VAC to 240 VAC



Do

Firmly insert the AC adapter's power plug into the power outlet down to the base of its pins. Incomplete insertion of the power plug might result in electric shock or fire caused by overheating and fire. Do not use when AC adapters get damaged or when power outlets become loose.



Don't

Do not damage, modify, twist, pull or place a heavy object on the power cord of the AC adapter. Do not use a damaged cord. Doing so might cause an electric shock, short circuit or fire.



Do

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 AC adapter, unplug its power plug from the outlet. If the plug remains plugged in when you clean the AC adapter, it might cause an electric shock or short circuit. Also, wipe off dust on the AC adapter's power plug. If the plug is left covered with dust, it might cause fire.



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. Failure to do so might cause electric shock, 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 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.



Don't

Thoroughly read this manual for proper use. Do not do the followings which might cause overheating, fire, electric shock or injury.

- To charge other battery packs than those of the specified au cell phone
- To use at other voltages than 100 VAC to 240 VAC for home use
- Get the terminal shorted out.
- To disassemble or modify
- To get wet or used by wet hands

**CAUTION**

Mishandling might cause overheating, fire, electric shock, a fault or damage. Be sure to read the following cautions before use.



Not liquids

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 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 sufficient attention while the vibrator is set to ON. In addition, do not cover or wrap the product with a cloth or bedding. Doing so might cause fire or a fault.



Not liquids

Do not charge the battery pack when it gets wet.



Do

When unplugging the AC adapter's power plug from the outlet, hold and pull the power plug. If you pull the cord, the cord might be damaged.



Don't

Do not leave the AC adapter connected to the main unit of the LGL21 with the battery pack removed. Doing so might cause fire or electric shock.



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.

Outer case: polycarbonate

Plug part: Nickel plating

■ au IC-Card

**WARNING**

Be sure to read the following warnings before use.



Don't

Do not put the au IC-Card 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 not to injure your hand or fingers when attaching/removing the au IC-Card.



Do

Use only the devices specified by the Company to insert the au IC-Card 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 IC-Card. Doing so might cause loss of data or a fault.



Don't

Do not put the au IC-Card 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.



Don't

Do not use or leave the au IC-Card 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 IC-Card 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 IC-Card or short-circuit it. Doing so might cause loss of data or a fault.



Don't

Do not drop the au IC-Card or subject it to strong impact. Doing so might cause a fault.



Do not fold, bend or place a heavy object on the au IC-Card. Doing so might cause a fault.



Not liquids

Do not scratch the IC (metal) part of the au IC-Card. Doing so might cause a fault.



Don't

Do not store the au IC-Card in dusty places. Doing so might cause a fault.



Don't

Do not store the au IC-Card in dusty places. Doing so might cause a fault.



Don't

Do not store the au IC-Card in places exposed to direct sunlight or hot and humid places. Doing so might cause a fault.



Do

Store the au IC-Card out of reach of small children. Failure to do so might cause injury, etc. if they accidentally swallow and choke on it.

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 of the LGL21, battery pack, charging equipment, au IC-Card, peripheral devices

- Excessive force might damage the display or internal circuit board of the LGL21. Do not put the product in the pocket of your trousers or skirt in case you sit on it without attention. Also do not place a heavy object on the LGL21 in your bag. 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.
- 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%. Any malfunctions determined to be caused by using in a extremely hot, cold or humid place are not covered by the warranty.
- Do not use the LGL21 in a dusty or a shaking place.
- Clean the connection terminals with dry cotton swabs, etc. every now and then. Soiled terminals might cause poor connection. Do not exert a strong force to clean the connection terminals to prevent deformation.
- Clean the product with a soft dry cloth when getting dirty.
- Use as far away as possible from land-line phones, TVs and radios. Use nearby might affect them.
- The LGL21 may become warm while charging, speaking on the phone, using camera function or watching TV (1 Seg), depending on the situations, but this is not abnormal.

- During use, some functions might automatically get deactivated temporarily when the LGL21 becomes hot in order to protect its main unit.
- When the product is used by a child, parents or guardians should thoroughly read the "Basic Manual" (this manual) and teach the child how to use it.
- Turn off the power before removing the battery pack. If you remove the battery pack with the power on, saved data might be altered or lost.

■ Main unit of the LGL21

- Depending on the situations, the LGL21 may become warm while charging, speaking on the phone, using camera function or watching TV (1Seg). Pay attention when your hands or face get close to the product.
- 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 display surface. Doing so might cause scratching or damage.
- Stop using the LGL21 right away when the display is damaged. Contact an au shop or Customer Service Center. Continued use in this state might cause injury.
- Do not remove the stickers printed with the serial numbers that can be seen when the battery cover is removed. These stickers prove that the LGL21 and the communication module you are using comply with the Wireless Telegraphy Act and Telecommunications Operations Act.
- Contents saved in the LGL21, such as contacts, mails, bookmarks and the data that you composed and saved, might be altered or lost by an accident, fault, repair or mishandling. Be sure to keep a copy of important contents. Note that the company assumes no responsibility for any damages or lost profits resulting from altered or lost contents.

- Note that mails or the downloaded data (both charged or free content) saved on the LGL21 cannot be returned to the customer when the au mobile is replaced for changing the model or repair of a fault, for example.
- The LGL21 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 LGL21 is made using high-precision technology, some pixels (dots) might be lit or out at all times. 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 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.
- To prevent unlawful modification, the LGL21 has been designed so that it cannot be easily disassembled. Modifying the product is prohibited by the Radio Law.
- Do not operate the product while riding an automobile, etc. Use of functions (such as mails, camera, etc.) other than making a handsfree call is prohibited by law and might cause an accident.
- Do not put any stickers on the display or any side with keys. Doing so might cause false operations or reduce the usage time. Also, the LGL21 might get damaged.
- Never use modified au cell phones. Use of a modified device violates the Radio Law.
- The LGL21 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 LGL21 as a certificate.

- If the screws of the LGL21 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.
- While you are watching TV(1Seg), etc., make sure that the TV antenna does not hit or hurt other people's eyes if you have extended the TV antenna and are attempting to answer a call.
- When photo monitor screen is displayed continuously for a long time during photo shooting, or when camera function or TV (1Seg) is repeatedly activated within a long time, part of the LGL21 main unit might get hot. Note that touching it for a long time might cause low-temperature burns.
- When bringing the LGL21 close to magnetized objects or straps made from metal materials, you might hear electrical noise coming from part of the speaker. It is not abnormal.
- Do not bring the LGL21 close to a permanent magnet such as a magnetic necklace, a clasp on handbag, etc. or some electrical appliances with strong magnet such as a TV or a speaker, etc. Be aware that when the LGL21 itself is magnetized (called magnetizing), the accuracy of directional measuring might be affected.
- 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.
- When suddenly brought into a warm place from a cold place, or when in a humid location, or when used where temperature suddenly changes, water droplets (i.e. condensation) sometimes are formed inside the LGL21. Note that when used under conditions such as this, humidity might cause a fault.
- Be careful when using the LGL21 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.
- 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, make sure that the USB plug or connector of the external device is horizontal with the connection terminal.
- Note that applying unnecessary force with the device connected to the connection terminal might cause damage.
- Do not discard the LGL21 together with regular trash. Please cooperate in the collection of the LGL21 when it is no longer needed to protect the environment and effectively use resources. Old products are collected at au shops and other places.
- 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.
- 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.
- Screen background light turns off while you are making a call when you cover the proximity sensor with your fingers or put a sticker on the proximity sensor. In this case, touch panel and power key are no longer available to operate.
- Do not put the LGL21 near the air discharge port of an air conditioner. It might generate condensation when the temperature changes extremely fast. Malfunctions might get caused due to the corrosion inside.
- Be careful not to pull HDMI connector strongly or place excessive force on it. It might cause malfunctions.
- The LGL21 is not waterproof. Do not pure water on it.

- Make sure to stow the TV antenna before putting the LGL21 inside your pocket or bag. Also, do not pull or bend the TV antenna strongly on purpose. Doing so might cause injury or damage.
- The display might look unclear in direct sunlight. It is not a fault.

■ Touch Panel

- Use your finger (two fingers for pinching) to operate the touch panel. Do not use sharp-pointed objects such as ballpoint pens, pencils, etc. or hard objects such as nails, metal, etc. 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 hinder correct operation of the touch panel.
- Do not operate the touch panel with fingernails. Doing so might result in split nails or jammed fingers.
- Do not press the touch panel strongly or operate it by wet fingers. Also, do not operate the product when the display has water drops or condensation on it. Doing so might cause improper reaction of touch panel.
- If the display surface is dirty or covered with dust, it may not function correctly. In such case, wipe the display surface with a dry, soft cloth. Be careful that cleaning the display with a dry cloth might cause injury.
- 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

- Do not touch connection terminal with a cotton swab or other sharp-pointed items. Since the connection terminal is made of groove-shaped metal spring, materials other than terminal metal might deform when being inserted and might not available to use.
- Use in very hot or cold environments, for example, when left in an automobile with the windows closed in summer, will cause the battery capacity to drop and shorten the available battery usage time. This will also shorten the battery pack's service life. Try to use the battery pack as far as possible at room temperature.
- When the battery pack is not to be used for a long time, remove the battery pack from the main unit of the LGL21 and put it in a plastic bag. Store it away from hot and humid places.
- Charge the battery before using the product for the first time after purchase, or if you have not used the product for a long time.
- The battery pack is a consumable item. The available usage time gets shorter every time when it is charged. It is recommended to replace your battery pack when its length of service life becomes half of a new one even after being fully charged.
- Do not discard battery packs together with regular trash. Please cooperate in the collection of used battery packs to protect the environment and effectively use resources. au shops and other retailers collect used battery packs.
- Battery packs sometimes swell up as they approach the end of their service life. This is due to the properties of lithium-ion batteries, and is not a problem in terms of safety.
- When replacing battery pack, make sure to follow the specified method. Any methods not specified when attaching or removing battery pack might cause damage of battery pack or battery cover.

■ AC adapter

- When not using the AC adapter, remove the AC adapter's power plug from the power outlet.
- Do not wrap the AC adapter's power cord around the adapter itself. Doing so might cause electric shock, 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, overheating or fire.

■ au IC-Card

- The au IC-Card is lent to you by au. In case of loss or damage, the card will be replaced at your expense. When malfunction is suspected, or in case of theft or loss, contact an au shop or PiPit.
- Do not forcibly remove or insert the au IC-Card. Be careful not to exert excessive force when inserting the card into your au cell phone.
- You are responsible for any damage caused by inserting your au IC-Card into some other IC card reader/writer, etc.
- The au IC-Card may become warm during use, but this is not a malfunction and you can continue to use the card.
- Keep the IC (metal) part of your au IC-Card clean. Wipe the card with a dry, soft cloth for cleaning.
- Do not put stickers, etc. on the au IC-Card.
- Use only the devices specified by the Company to insert the au IC-Card 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.
- Do not store the au IC-Card in places exposed to direct sunlight or hot and humid places. Doing so might cause a fault.
- Store the au IC-Card out of reach of small children. Failure to do so might cause injury, etc. if they accidentally swallow and choke on it.

- Do not attach other cards into the LGL21 than the au IC-Card. It is not available to use other cards.
- Pay attention not to touch the IC (metal) part when attaching/removing the au IC-Card.

■ 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 LGL21. 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 and sound to make sure it is correctly shot and recorded.
- It might infringe on rights of portrait if you take pictures of other individuals and publish them.
- Do not use the camera for recording commercially available books or information of which photographing is not allowed.
- Pay attention not to touch the camera lens while shooting.
- 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 or watch videos and TV (1Seg) while driving a car or motorbike, or riding a bicycle. Surrounding sounds may not be heard clearly, and gazing at the screen might distract your attention causing a traffic accident. 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. Be especially careful at railroad crossings 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 (available commercially) in trains or other places with many people around you.
- Do not use the product in rain or a place where it can get wet.

■ Copyrights and rights of portrait

- You are not allowed to copy, modify or edit the data you shot or recorded using the LGL21 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 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.
- The transfer of images, etc. covered by copyright is not allowed excluding instances laid down separately by the Copyright Act.
- Be careful about the copyright and portrait right when posting photos you shot, etc. on Internet website.

Available Security Codes

The LGL21 has various security codes that you can use. The available security codes are as follows. Do not forget the various security codes that are set as they are necessary for various operations and contracts.

● Security code

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

● Lock No.

Example of usage	To set and release the screen lock
Initial value	None

● PIN code

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

Privacy protected function

The function shown below is installed in the LGL21 to protect the privacy of the saved data.

Function	Description
Screen lock	Set pattern, PIN or password to unlock screen when turning on the phone or when screen is locked.

PIN code

If you enter incorrect PIN code three times in a row, the code will be locked. In that case, unlock with PUK code.

■ PIN code

To prevent unauthorized use of the au IC-Card by a third party, you can set the product to require PIN code entry every time the power is turned on.

- The initial setting of the LGL21 does not require PIN. Set PIN in "UIM card lock" (▶P.24) if necessary.
Also, PIN is required when setting "UIM card lock".
- The preinstalled PIN is set to "1234". You can change it to your favorite one of a 4- to 8-digit number in "Change UIM PIN" if necessary.

■ PUK code

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

- PUK code is an eight-digit number given at the time of purchase, which is printed on the back side of the plastic card on which your au IC-Card is attached.
- After entering PUK code, you need to set a new PIN1 code "Change UIM PIN" (▶P.24).
- If PUK code is incorrectly entered ten times consecutively, contact an au shop, PiPit or Customer Service Center.

memo

- If PIN is locked, the LGL21 may restart to protect its security.
- "PIN code" is not reset by initializing the product.

■ UIM card lock

- 1 Home screen ▶ "☰" ▶ "Settings"
- 2 "Location & security" ▶ "Set up UIM card lock"
- 3 "Lock UIM card"

■ Change UIM PIN

- 1 Home screen ▶ "☰" ▶ "Settings"
- 2 "Location & security" ▶ "Set up UIM card lock"
- 3 "Change UIM PIN"

Notes on using Bluetooth® / wireless LAN functions

Frequency band

Bluetooth® and wireless LAN functions of the LGL21 use frequencies in the 2.4 GHz band ranging from 2.412 GHz to 2.472 GHz.

2.4FH1/DS4/OF4



- 2.4 : Describes radio equipment uses 2.4GHz band.
 FH/DS/OF : Indicates that modulation methods are FH SS, DS-SS or OFDM.
- 1 : Indicates that assumed inducing interference from distances is 10 m or less.
- 4 : Indicates that assumed including interference from distances is 40 m or less.
- ■ ■ : The full band between 2.412GHz to 2.472GHz is used and the band of the mobile identification device is unavoidable.

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

Precautions about Bluetooth®

- The Bluetooth® function of the LGL21 conforms to the domestic standards of Japan and FCC standards, and has been certified. Use of the Bluetooth® function may be restricted in some countries/regions. If you are using the Bluetooth® function overseas, check the relevant laws and regulations of the country/region you visit.
- The 2.4 GHz band used by Bluetooth® and wireless LAN devices is shared by various other devices. For this reason, Bluetooth® device 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® precautions

The frequencies used by the Bluetooth® function of the LGL21 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 for 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 LGL21, make sure that "other wireless stations" are not in operation nearby.
2. In the event that instances of radio wave interference have occurred between the LGL21 and "other wireless stations", immediately either relocate the LGL21 or stop operation of the device (stop emission of radio waves).
3. If you are unclear on any points or are troubled by anything, contact an au shop or Customer Service Center.

Precautions about wireless LAN

- The wireless LAN function of the LGL21 conforms to the domestic standards of Japan and FCC standards, and has been certified. Use of the wireless LAN function may be restricted in some countries/regions. If you are using the wireless LAN function overseas, check the relevant laws and regulations of the country/region you visit.
- 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.
- Searching might not be successful if there are multiple wireless LAN 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 Wi-Fi® compliant airplane. Some airline companies, however, allow their passengers to use cell phones. For details, contact the airline company you use.

● Wireless LAN precautions

The frequencies used by the wireless LAN function of the LGL21 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 for 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 LGL21, make sure that "other wireless stations" are not in operation nearby.
2. In the event that instances of radio wave interference have occurred between the LGL21 and "other wireless stations", immediately either relocate the LGL21 or stop operation of the device (stop emission of radio waves).
3. If you are unclear on any points or are troubled by anything, contact an au shop or Customer Service Center.

● 5.2 GHz band width and 5.3 GHz band width(W52/W53) Cautions

According to radio law, both 5.2 GHz band width and 5.3 GHz band width(W52/W53) are limited to indoor usage.

- Connections between this product and all other Bluetooth® and wireless LAN devices have not been confirmed. Therefore, connections with all Bluetooth® and wireless LAN devices are not guaranteed.
- This product supports security features for wireless communications that are compliant with the Bluetooth® and wireless LAN 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 function.
- Wireless LAN 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 communication.
- Since Bluetooth® and wireless LAN 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 functions.

Notes on packet communication charge



- Since constant Internet connection is possible with the LGL21, packet communication may be performed automatically by some applications, resulting in high packet communication charges. Therefore, subscription to a packet communication charge discount service is recommended.
- 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.
(Incoming e-mail such as "auからの重要なお知らせメール" and "WEB de 請求書お知らせメール" are subject to fees.) In addition, even if you have signed up for Plan E Simple/Plan E, the sending and receiving of e-mail (XXX@ezweb.ne.jp) is not free of charge, packet fees are generated. (You need to subscribe to IS NET in order to use e-mail "(XXX@ezweb.ne.jp).")
 - * Packet communication charge does not apply to Wi-Fi® connection.





Notes on Android Market/au one Market/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 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.
- Operation procedures and screen appearances of the applications preinstalled in this product and those installed by you are subject to change without notice as a result of version upgrade. In addition, operation procedures described in this manual may differ from the actual procedures.
- Insertion of a microSD memory card is necessary to use some applications.
- Some applications prohibit the product from entering sleep mode while they are active, or rapidly drain the battery while running in the background.

Names and functions of parts

Names of parts

- 1 Earphone connector**
- 2 HDMI connector**
Use it when connecting with HDMI cable purchased commercially.
- 3 HDMI connector cover**
- 4  Power key**
Press Power key to turn on/off the screen backlight.
Press and hold  to switch Silent mode, Airplane mode and Power ON and OFF.
- 5 TV antenna**
Extend it to use when watching TV (1Seg). It has no influence on calls or data communication if you extend the TV antenna when calling or using browser.

- 6 Proximity sensor/brightness sensor**
Proximity sensor prevents erroneous operation during a call. Brightness sensor detects surrounding brightness and adjust the display brightness.
- 7 Inward-facing camera (lens)**
- 8 Display (Touch panel)**
- 9  Home key**
Displays Home screen.
- 10  Back key**
Returns to the previous screen.
- 11 Mouthpiece (Microphone)**
Transmits your voice to the other caller. Also uses it when recording voice. While talking on the phone or shooting a video, do not cover microphone with your fingers, etc.
- 12 External connector**
Uses it when connecting with AC adapter, etc.
- 13  Menu key**
Displays option menu.
- 14  Volume key (UP/DOWN)**
Adjusts volume.
- 15 Earpiece (Receiver)**
Allows you to hear the other party's voice during a call or via voicemail, etc.
- 16 au IC-Card slot**
- 17 Built-in antenna (Wi-Fi[®], Bluetooth[®], GPS)**
When using Wi-Fi[®], Bluetooth[®] function or GPS, do not cover the built-in antenna with your hands.
- 18 Outward-facing camera (lens)**
- 19 Battery cover**
- 20 Speaker**
You can hear the ringtone, alarm, etc.

21 Built-in antenna (Call, Internet)

When calling or using Internet, do not cover the built-in antenna with your hands. Also, do not put stickers on the built-in antenna part. Call/data communication quality becomes worse.

22 Battery pack**23 microSD memory card slot**

Attaching/removing the battery pack

- Before inserting/removing the battery pack and battery cover, be sure to turn off the power of the LGL21 main unit.
- Use only the battery pack (LG111UAA) for the LGL21.

Attaching the battery pack

- 1** Put your finger (nail, etc.) into the groove under the main unit. Lift up the battery cover in the direction of arrow (1-2) while pressing it in the direction of arrow (1-1) and remove it

2 Insert the battery pack in the direction of the arrow (1) with au logo facing up. Ensure that the connection part of the LGL21 and the terminal part of battery pack are aligned with each other

3 Check the direction of the battery cover and attach it to the main unit. Press each tab firmly to close the cover

Removing the battery pack

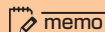
1 Put your finger(nail, etc.) into the groove under the main unit. Lift up the battery cover in the direction of arrow (1-2) while pressing it in the direction of arrow (1-1) and remove it

- 2 Put your finger (nail, etc.) into the dimple of the main unit and pull up the battery pack in the direction of arrow (2) while pressing it in the direction of arrow (1)

* When removing the battery pack, pull up it from the dimple. The terminal part of main unit or battery pack might be damaged if you pull up the battery pack towards other directions.

Using an au IC-card

Your phone number and other information are stored in an au IC-Card.



memo

Note the following points, which may cause malfunction or damage, when handling the au IC card.

- Do not touch the IC (metal) part of the au IC card or the IC card terminal inside the LGL21.
- Insert the IC card in the correct direction.
- Remove or insert an au IC-Card after turning off the phone and removing the battery pack.

Do not lose the au IC card after it has been removed.

■ When an au IC-Card is not inserted

Do not use this product with any cards other than an au IC-Card in it.

The following operations are not available when the au IC-Card is not inserted or when you insert any cards other than an au IC-Card.

- Making* or receiving a call
- Receiving and sending an e-mail (XXX@ezweb.ne.jp) or an SMS (C-mail)
- Confirm phone number and e-mail address
- Set up UIM card lock

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

■ Restriction settings with PIN

If you use an au IC-Card, change PIN or set UIM card lock to protect your important private information. (▶P.23 "PIN code")

Attaching an au IC-Card

Attach the au IC-Card after turning off the power and removing the battery pack.

- 1 Remove the battery cover
- 2 Remove the battery pack
- 3 Insert the au IC-Card with its IC (metal) side facing down as shown below

Removing an au IC-Card

Remove the au IC-Card after turning off the power and removing the battery pack.

- 1 Remove the battery cover
- 2 Remove the battery pack
- 3 Press the au IC-Card gently with your fingertip and slide it out

Charging

When you purchase your cell phone, the battery pack is not fully charged. Charge the battery pack when you use it for the first time or when its battery is not enough. Usage time available is shown as below.

Continuous standby time*	Approx. 250 hours (when using 3G) Approx. 160 hours (when using 3G and Wi-Fi® function)
Continuous call time*	Approx. 500 minutes

* Time for using in Japan. It may differ depending on the environment or the battery pack condition.

memo

- While charging, the LGL21 and its battery pack might become hot. It is not abnormal. (When activating camera or communicating data while charging, battery pack becomes hot.)
- It may take longer to charge the battery pack when you use camera function, etc. while charging the battery.
- Operating with AC adapter being connected may cause short-time charge/discharge repeatedly. Life of the battery pack becomes shorter when you repeatedly charge the battery frequently.



Charging with the AC adapter

Describe how to use an AC adapter to charge. It takes about 160 minutes to charge the battery pack.

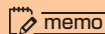
- 1 Insert the USB connector of the supplied microUSB cable into the USB connection terminal of AC adapter


- 2 Insert the microUSB connector of microUSB cable into the external connector of the LGL21
 - Insert the microUSB cable horizontally with the engraved "B" side facing up.


- 3 Insert the power plug of AC adapter into power outlet

Charging starts when  is displayed on the status bar (▶P.41) at the top of the screen.  appears on the status bar when charging finishes.

- 4 When charging is completed, remove the microUSB connector of microUSB cable straight from the external connector of the LGL21
- 5 Remove the power plug of AC adapter from power outlet



When  is not displayed

- Please wait till  is displayed on the status bar at the top of the screen. Bad connection is assumed if it does not appear after a while. Check if AC adapter is connected. Contact an au shop or Customer Service Center if it still is not displayed.

Charging with a PC


- 1 Insert the microUSB connector of microUSB cable into the external connector of the LGL21
- 2 Insert the microUSB connector of microUSB cable into a PC USB port

memo

- You can charge the LGL21 with its power on.
- It may take longer time to charge with USB than AC adapter.

Turning the power on/off

Turning your phone on

- 1 Press  and hold it for at least 2 seconds
Unlock screen is displayed.
Slide the bottom of the screen upwards to unlock.

memo

- After turning on the power, do not touch the screen until "au" logo is displayed. Initial settings of touch panel will be set. Touch panel may operate improperly.


Turning your phone off

- 1 Press  and hold it for at least 2 seconds
Phone options screen is displayed.
- 2 "Power off" ► "OK"

Initial settings

The first time the LGL21 turns on or inserts an au IC-Card, the initial setting screen appears automatically.

- Procedures may differ depending on the network connection or the settings been skipped.
- Tap "Skip" to skip the setting of the current item.

- 1 Press  and hold it for at least 2 seconds
- 2 "続ける (Continue)"
- 3 Select a language
- 4 Set date and time and tap "Next"
- 5 When Wi-Fi® is not available, set whether to use the Mobile network, then tap "Next"
- 6 Set Wi-Fi® settings (▶P.37) and tap "Next"
 - For detailed information about Wi-Fi®, refer to "Connecting to a Wi-Fi® network" (▶P.37).
- 7 Lost Device protection Settings screen is displayed, then tap "Next"
- 8 In Google Account settings, tap "Next"
 - Create an account or log in with your Google Account. Add a Google Account screen is displayed. For the detailed information of Google Account setup, refer to "Setting Google Account" (▶P.38)
- 9 "Finish setup"
- 10 Software Update screen is displayed, then tap "OK"

Connecting to a Wi-Fi® network

- 1 Home screen ▶  ▶ "Settings" ▶ "Wireless & networks" ▶ "Wi-Fi settings" ▶ "Wi-Fi"

Wi-Fi settings screen is displayed.

When Wi-Fi® is activated, available access points are displayed under Wi-Fi networks field on Wi-Fi settings screen.

- 2 Select an access point

If your desired Wi-Fi® network is not displayed, tap "Add Wi-Fi network" to enter a network manually.

- 3 Enter a password ▶ "Connect"

Enable "Show password" to show the password being entered.

 (gray) or  (blue) is displayed on the top of the screen.



- A password may not be required depending on access points.
- Communication speed may become slower or not available to use depending on the communication environment used.

Setting Google Account

After Google Account is set up, online service provided by Google are available.

Google Account setup screen appears such as when launching a software that requires a Google Account for the first time.

1 Home screen ▶ "Gmail"

2 Tap "Next"

3 Tap "Create"

If you already have a Google Account, tap "Sign in".

4 Enter your first name, last name and a user name, tap "Next"

If the user name you entered is used by another person, it is not available to use.

5 Enter a password and enter the same password again to confirm, tap "Next"

6 Select or create a security question and its answer to help you recover your password if it is lost. Also enter a secondary e-mail and tap "Create"

You can use your secondary e-mail when you forget your password. Input is skippable.

7 Read the Google terms of service and tap "I agree, Next"

8 Enter the displayed character string and tap "Next"

9 Tap "Next"

10 Tap "Finish setup"

Setting au one-ID

If you create an au one-ID, you can use various au services including "au Kantan Kessai (Easy Payment)" which offers you a simple way to purchase applications from au one Market and Android Market.

Tap "au one-ID Setting" on Applications screen to display au one-ID Setting screen.

1 Home screen ▶ "Applications"

2 "au one-ID Setting"

3 Confirm the information and tap "OK"

4 Tap "au one-ID の設定・保存 (Set and save au one-ID)"

5 Enter the security password ▶ "OK"

6 Enter the password ▶ Confirm the content and tap "利用規約に同意して登録 (I agree and register)"

- If you want to use an au one-ID other than your au phone number, start registration from "お好きなau one-ID を登録したい方はこちら (Register here if you want to use your favorite au one-ID)".
- If you have an au one-ID already, set from "取得済みのau one-ID を設定したい方はこちら (Set from here if you have an au one-ID already)".

- 7 Tap "設定画面へ (Move to Setting screen)"
- 8 Enter your birthday, your answer to security question ▶ "入力完了 (Finish input)"
- 9 Tap "設定 (Set)"
- 10 Tap "終了 (Finish)"

Selecting a language

- 1 Home screen ▶ "アプリ (Applications)"
- 2 "設定 (Settings)" ▶ "言語とキーボード (Language & keyboard)"
- 3 "言語の選択 (Select language)" ▶ Select a language

Using the Touch panel

The display on the LGL21 is a touch panel operated by touching it with your finger.

■ Tap/Double Tap

Tap: Gently touch a screen and then immediately release your finger.

Double tap: Tap the same position twice.

■ Long Touch

Keep touching an item with your finger.

■ Slide

While your finger is gently touching the screen, trace it to the desired direction to move over.

■ Flick

Operate the screen by quickly moving (flicking) your finger up, down, right, or left.

■ Pinch

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

■ Drag

Keep touching an item or icon, trace it to the desired direction to move.

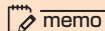
Using the home screen

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

- 1 Status bar
- 2 Quick search box
- 3 Shortcuts/Widgets/Folders
- 4 Quick menu
- 5 Desktop
- 6 Applications icon
Application list screen is displayed.

Starting an application

Tap an application icon to launch the application.















- When you tap an icon to use function, communication fees may be charged depending on the function.

Monitoring LGL21's status













Understanding icons

Notification icons such as a missed call, new mail or other operations in use are displayed on the left side of status bar. On the right side, status icons showing the state of the LGL21 are displayed. Also slide the status bar upwards to display the notification panel.

■ Major notification icons

Icon	Overview
	Missed call
	New e-mail message
	New Gmail message
	New SMS (C-mail) message
	Upcoming calendar event
	Playing a track
	USB debugging is connected
	Dialing, calling
	Answer holding
	USB is connected
	Downloading data or application
	Installation is completed

■ Major status icons

Icon	Overview
	Time
	Battery level
	Airplane mode
	Strength of radio wave
	3G data communication status*
	CDMA 1X data communication status*
	Silent mode
	Hands-free
	Mute
	Strength of Wi-Fi® signal
	Bluetooth in use
	GPS in use

* If you login by a Google Account, the icons are green color.

Notification panel

When a notification icon appears on the status bar, slide the status bar down to open the notification panel to check the notification or launch the application.

1 Slide the status bar downwards

- 1 Silent**
Switch Silent mode ON/OFF. Touch and hold it to display Sound settings screen.
- 2 Wi-Fi**
Switch Wi-Fi® function ON/OFF. Touch and hold it to display Wi-Fi settings screen.
- 3 Bluetooth**
Switch Bluetooth function ON/OFF. Touch and hold it to display Bluetooth settings screen.
- 4 GPS**
Switch GPS function ON/OFF. Touch and hold it to display Location & security settings screen.
- 5 Rotation**
Switch Rotation ON/OFF. Touch and hold it to display Display settings screen.

- 6 Music**
Turn on the music player. Select a song to play.
- 7 Clear**
Clear notification information and notification icons.
- 8 Ongoing application**
Information of an ongoing applications is displayed.
- 9 Notification information**
Detailed notification information is displayed.
- 10 Close**
Tap to close notification panel.

Entering text

Use the software keyboard to enter characters. To display the software keyboard, tap a character input box in the character entry screen for adding contacts, creating a message, etc.

- 1 Character input field
- 2 Normal conversion candidate list/Predictive conversion candidate list
- 3 Reverse key/Undo key
- 4 Software keyboard
Input the characters of each key.
- 5 Cursor key
The highlight moves to left/right.
- 6 Symbol/Emoticon key
- 7 Input Mode key
Switch Input Mode.
- 8 Delete key
Deletes the selected character or characters on the left side of cursor.

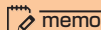
- 9 Conversion key/Space key
- 10 Execution key/Enter key
- 11 Upper/lower case key
- 12 Shift key
Switch to set if you want to use capital letter.

Switching the software Keyboard



You can select from the following two software keyboards for the LGL21.

10-key	Character changes every time when you tap the same key to enable you to choose your desired character.
QWERTY	Tap a key of a character which is displayed to enter the character.

- 1 Character input screen ▶ Long-touch " " ▶ "10-key ⇔ QWERTY"



memo

- "iWnn IME" is installed initially as an input software.
- Tap " " to change Input Mode. It changes in order of "Hiragana-Kanji", "Half-width Alphabet", "Half-width Numeric" and "Voice Input" every time you tap the key.
- To set touch tones, vibrate, etc. while using iWnn IME, Home screen ▶ " " ▶ "Settings" ▶ "Language & keyboard" ▶ "iWnn IME".

Entering text on the number keyboard

Tap the same key repeatedly or flick up/down/left/right to enter the desired character.

Entering text on the full key (QWERTY) keyboard

Tap the key of your desired character to enter. Romaji input is applied for "Hiragana-Kanji" mode.

Making calls

1 Home screen ► "Phone"

Phone number entry screen is displayed.

- | | |
|-----------------------|----------------------------|
| 1 Toggling screen tab | 2 Phone number entry field |
| 3 Number key | 4 SMS (C-mail) |
| 5 Delete key | 6 Call key |

2 Enter a phone number

When calling to a fixed-line phone, you also need to enter the area code.

3 Tap " "

Dialing screen is displayed.

Press volume key (UP/DOWN) during a call to adjust earpiece volume (the other party's voice volume).

4 "End"

After you finish a call of which the number is not registered to Contacts, a confirmation screen appears asking if you want to register a new contact.

memo

- Screen background light turns off when proximity sensor is covered while making or answering a call.
- If you make a call by dialing a number with "1401" at the beginning, communication fee will be charged from your au prepaid card.
- Note that the other party can hear your voice even if you cover the mouthpiece.
- An emergency call to 110, 119, 118 or a call to Customer Service Center (157) is available even when it is set to "Airplane mode". Also, "Airplane mode" will be set to OFF automatically when making an emergency call to 110, 119, 118 or to Customer Service Center (157).

Dial services available from au phones

- The dial services shown below are available.
 - Call with fixed-line phones throughout Japan
 - Call with cell phones, PHS, and car phones throughout Japan
 - 010 (au international call service: Subscription is unnecessary)
 - 171 (Voice mail for countermeasures against disaster)
 - 177 (Weather forecast: The area code is necessary)
 - 117 (Time signal)
 - 104 (Directory assistance)
 - 115 (Sending telegrams)
 - 110 (Emergency call to Police)*
 - 119 (Emergency call to Fire and Ambulance)*
 - 118 (Emergency call to Regional Coast Guard Headquarters)*
 - 157 (Customer center)
 - Maritime telephone
- * The numbers with * are emergency call numbers. When making an emergency call to emergency call receiving agency by the LGL21, your current location will be notified to the destination of the emergency call depending on the base station signal.
- The following NTT services are unavailable:
 - Collect call
 - Message service
 - Dial Q2
 - 116 (NTT business information)

Using history to make a call

1 Home screen ► "Phone"

Phone number input screen is displayed.

2 "Call log"

3 Tap "☎" to make a call

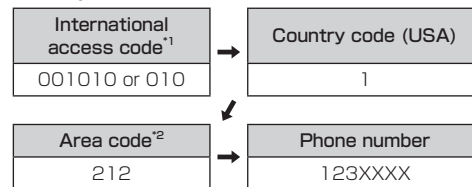
Using international call (au international call service)

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

Example: To call 212-123-XXXX in the USA

1 On Phone number entry screen, enter the access code, a country code, area code, and phone number ► "☎"

Phone number entry screen ► "☎" ► Select a country from "Country code" to make an international call.



*1 Long-touch "0" to enter "+", "001010" is added automatically while dialing.


*2 If the area code begins with "0", omit "0". (there are some exceptions such as fixed-line phones in Italy and Moscow.)

 memo

- The au international call services sets monthly usage limit amounts. From the point in time that au has checked that the usage limit amounts have been exceeded until the last day of the same month, the au international call services cannot be used.
- Even if cell-phone use is suspended due to exceeding usage limit amounts, usage can be resumed starting from the first day of the following month. In addition, even if international calling is suspended, domestic calling may be used as always.
- International call charges are billed together with monthly local call charges.
- If you do not use au international telephone service, do not apply this service when subscribing.
- For more information on au International call service, dial either of the following numbers:
 - From au cell phones (toll-free): 157 (area code not required)
 - From fixed-line phones (toll-free): ☎ 0077-7-111
- (Open 9:00 to 20:00 everyday)

Receiving calls

1 When an incoming call arrives, slide rightward.

When an incoming call arrives with background light on (except when unlock screen is being displayed), tap "".

2 Answer the call ▶ "End"

If the number is not registered, after finishing the call, a screen appears to confirm if you want to register new contact.

■ When an incoming call arrives

The following items are displayed.


- If a number is notified by the other party, the number will be displayed on the screen. If the number and name are registered to Contacts, information of name, etc. are also displayed.

If a number is not notified by the other party, the reason will be displayed on the screen, such as "Number withheld", "Payphone" and "Not Support**".

- * When the other party is calling from a non-supported phone.

 memo

To mute ringtone during an incoming call

- During an incoming call, press  or volume key (UP/DOWN) to mute ringtone or stop vibration.

When an incoming call arrives while using other functions

- When an incoming call arrives while using Contacts, mail, etc., an incoming call is prioritized. After answering the call, continue to use the function you were using.
- If you are using voice recorder, recording will be stopped and the data will be saved.

Checking your phone number

- 1 Home screen ▶ "☰" ▶ "Settings" ▶ "About phone" ▶ "Status"

Status screen is displayed and phone number is shown in My phone number field.

Registering a contact

- 1 Home screen ► "Applications" ► "Contacts"
Contacts list screen is displayed.
- 2 "☰" ► "New contact"
Application selection screen or Create contact screen may be displayed. Select from the given options to save a new contact.
- 3 Enter other information as required
Enter your name, phone number, mail address, etc.
- 4 "Save"

 memo

Phone numbers, names registered on Contacts may get lost by accident or malfunction. It is recommended to back up your phone number. For detailed information, refer to "Backup of your Contacts" (►P.50).

The company takes no responsibility for any change or loss of Contacts data caused by accident or malfunction.

Backup of your Contacts

You can use the microSD memory card to backup or restore your contacts.

- 1 Home screen ► "Phone"
 - 2 "Contacts"
 - 3 "☰" ► "More" ► "Import/Export"
- To export
- 4 "Export to SD card"
 - 5 Select items you desire to export ► "Export" ► "OK"
- To import
- 4 "Import from SD card"
If more than one account is registered, select on of them to create a contact. Follow the on-screen instructions.
 - 5 Select items you desire to import ► "Import" ► "OK"

Using e-mail

E-mail (XXX@ezweb.ne.jp) allows you to exchange mails with computers and cell phones that support e-mail. You can send text, photos, and video data.



- To use e-mail functions, subscription to IS NET is necessary. If you have not subscribed at the time of purchase, contact an au shop or Customer Service Center.
- Packet communication connection is required before using e-mail. Also, initial settings are necessary. For detailed information, refer to "E-mail initial setting" (▶P.51).

E-mail initial setting

1 1 Home screen ▶ E-mail

2 2 Confirm the content and tap "OK"

Your e-mail address is displayed when initial setting finishes.

Using SMS (C-mail)

SMS (C-mail) is a service that uses phone numbers as addresses to exchange messages between cell phones.

Using au countermeasures-against-disaster application

au countermeasures-against-disaster application enables you to use message board for disaster, emergency early warning mail (emergency earthquake information, disaster evacuation information).

- 1 Home screen ▶ "Applications" ▶ "au災害対策"
au countermeasures against disaster menu is displayed.

Using message board for disaster

Message board for disaster is a service that enables people from disaster areas to register their safety information via IS NET when earthquake of intensity 5 lower occurs.

You can check out the registered safety information from an au phone or any other company's phone.

For detailed information, refer to "災害用伝言板サービス (Message board service for disaster)" on au website.

- 1 au災害対策 (au countermeasures against disaster) menu ▶ "災害用伝言板 (Message board for disaster)"

Follow the on-screen instructions to register and confirm.

memo

- An e-mail address (XXX @ezweb.ne.jp) is required to register safety information. Set up e-mail address beforehand. For detailed information about e-mail setup, refer to "E-mail initial setting" (▶P.51).
- It is not available when Wi-Fi® is on.
- Notification of safety information is a mail function starts from spring of 2012.

Using emergency early warning mail

The emergency early warning mail is a service that distributes emergency earthquake information or disaster evacuation information to all au cell phones in specified areas simultaneously.

- * Distribution of "disaster evacuation information" as part of emergency early warning mail will start in the spring of 2012 at the earliest. Detailed information will be announced on au website.

The "Receive setting" for emergency early warning mail (emergency earthquake information or disaster evacuation information) is set to "Receive" at the time of purchase.

When you receive emergency earthquake information, ensure your safety and take proper action according to the situation around you.

- 1 au災害対策 (au countermeasures against disaster) menu ▶ "緊急速報メール (Emergency early warning mail)"

Inbox is displayed.

Select a mail to view detailed information.

削除 (Delete)		Delete a received mail.
設定 (Setting)	受信設定 (Receive option setting)	緊急地震速報 (Emergency earthquake information): Set if receive emergency earthquake information.
		災害・避難情報 (Disaster evacuation information): Set if receive disaster evacuation information.

設定 (Setting)	通知設定 (Notification settings)	音量 (Volume): Set ringtone when receiving a mail.
		バイブ (Vibrator): Set if enable vibrator when receiving a mail.
		マナー時の鳴動 (Set if vibrate when Silent mode is on): Set if make a notification by Silent mode while Silent mode is on.
	受信音/ バイブ確認 (Confirm ringtone / vibrator)	緊急地震速報 (Emergency earthquake information): Confirm performance of ringtone and vibrator.
		災害・避難情報 (disaster evacuation information): Confirm performance of ringtone and vibrator.

memo

- Reception of emergency early warning mail is notified by a special warning tone. The warning tone cannot be changed.
- Emergency earthquake information is sent to areas where strong quakes (over 4 degrees) are expected during earthquakes ranging from 5 to 5.5 degrees.
- Immediately after an earthquake occurs, quakes (P waves and initial tremors) near the epicenter are detected and position, scale, and expected strength are automatically calculated and notification is sent as soon as possible within a few seconds to tens of seconds before the strong quakes (S waves and major tremors) caused by the earthquake start.
- Emergency earthquake information may not arrive before strong tremors in areas near the epicenter.
- Disaster evacuation information is a service that distributes bulletins concerning residents' safety including evacuation advisories, evacuation orders and other warnings issued by the national and local governments.
- This service is available only in Japan (it cannot be used overseas).
- No information fee or communication charge is required for receiving emergency early warning mail.
- KDDI is not liable for damages suffered by customers resulting from the service's information, lack or delay in the information caused by transmission or system breakdowns, or other events that are outside the responsibility of KDDI.
- Refer to the Japan Meteorological Agency web page for details about distribution of emergency earthquake information.
<http://www.jma.go.jp/>

- You cannot get any emergency early warning mail when the power is off or during a phone call. Also, you may not get any emergency early warning mail while receiving or sending an SMS (C-mail)/e-mail, or while using browser.
- You may not be able to get any emergency early warning mail during data communication, such as receiving or sending an SMS (C-mail)/e-mail, using browser; or if you are in a place where signal does not reach even within the service area (e.g. in a tunnel, basement) or in a place with a poor reception.
- Once the emergency early warning mail fails in receiving, the same mail cannot be received later again.
- Since emergency early warning mail uses a different delivery system, the reception time of emergency early warning mail may not coincide with the same emergency warnings broadcasted through TV, radio or other media.
- Information from someplace other than your current location may be received.

Application

Starting an application









1 Home screen ► "Applications"






2 Tap an icon

The tapped application starts.

Main applications

The preinstalled applications are shown as below.

Icon	Application	Overview
	au one Market	Allows you to install Android applications recommended by au.
	au Wi-Fi接続ツール (au Wi-Fi connection tool)	Connects to a Wi-Fi® network easily in an area where au Wi-Fi® SPOT is available.
	Skype	Makes a call or exchanges instant messages (chat).
	Friends Note	"au one Friends Note" can manage Native Address Book of your phone and multiple social networking services in just one application.
	Facebook	Access Facebook.
	LISMO Player	Plays music or checks information about the playing music.
	au one	Connects the au one portal site.
	GREE_MARKET (GREE Market)	Application which searches games and contents provided by au one GREE You can search them easily without login to the service.

Icon	Application	Overview
	LISMO Book Store	Enjoy many e-books such as comics, novels and photo albums.
	ニュースEX (News EX)	Check latest news, weather, fortune-telling, etc.
	3LM Security	Delete data in the LGL21 and microSD memory card or lock its operations in case of loss of your LGL21.
	リモートサポート (Remote Support)	Call for technical supports on the phone operations by sharing the screen that you are watching with au operators.
	ウイルスバスター (VirusBuster)	Blocks improper applications and sites in order to protect young people.

Using a microSD memory card

You can save data by installing one of microSD memory cards (including microSDHC memory cards) in the product. Also, you can back up your contacts, messages, bookmarks, etc. to microSD memory card.

memo

- Depending on applications, microSD memory card is required when using the application.
- The LGL21 may not operate properly with a microSD memory card reset on other device.
Home screen ▶ * [] * ▶ "Settings" ▶ "SD card & phone storage" ▶ "Unmount SD card" ▶ "OK" ▶ "Erase SD card" ▶ "Erase SD card" ▶ "Erase everything"
- The LGL21 may not be able to playback the data moved/copied to microSD memory card from PC, etc. depending on the data protected by copyrights.

<Make a backup copy of your data stored on the LGL21>

- Make a backup copy* of your important data such as your registered data on the LGL21 or the received and downloaded data from external. You may lose the data you stored on the LGL21 due to some unexpected reasons such as static electricity, malfunction, or due to false operations while repairing.

* How to make a backup copy

We recommend that you make a backup copy of text information such as Contacts or downloaded dictionaries to microSD memory card.

You can transfer data individually to PC by mail attachment. However, backup of data such as "Data with copyright valid" may not be available.

■ Precautions

- Do not remove battery pack or power off LGL21 main unit during a read operation, a writing operation, playback or saving data.
- Do not drop or subject microSD memory card to strong shaking or impact. Doing so might cause the recorded data damaged or erased.
- Do not insert any staff which is liquid, metal or easily-burned other than microSD memory card in microSD memory card slot.
- Do not insert memory cards other than microSD memory card in the LGL21.
- Do not forcibly remove or insert microSD memory card. Doing so might hurt your hands or fingers.
- The following microSD memory cards have been confirmed for operation based on the criteria by au. For operation confirmation results of other microSD memory cards, contact each microSD memory card manufacturer.

<microSD/microSDHC memory card>

Sold by	2GB	4GB	8GB	16GB	32GB
TOSHIBA	○	-	○	○	○
Panasonic	○	○	○	-	-
Lexar	○	○	○	○	-
Transcend	-	-	○	○	-
ELECOM	-	○	-	-	-
SONY	-	○	○	-	-
IO-DATA	○	-	-	-	-

○: Confirmed operation

-: Unconfirmed operation or not for sale

As of November 2011

- * For data over 4GB, use microSDHC memory card.
- * Operation is confirmed for microSD memory cards that are sold as of November 2011. For the latest information on operation confirmation, visit the au website or contact the Customer Service Center.

Installing a microSD memory card

- 1 Remove the battery cover
- 2 Check the direction of microSD memory card and insert it gently and straightly

3 Attach the battery cover



memo

- Make sure that the top and bottom of the microSD memory card are facing correctly. Trying to force a wrongly oriented card into the slot could make it impossible to remove the card and result in damage.

Removing a microSD memory card


1 Home screen ▶ "☰" ▶ "Settings" ▶ "SD card & phone storage" ▶ "Unmount SD card" ▶ "OK"

2 Remove the battery cover

3 Pull out the microSD memory card

Gently and straightly pull it out.

4 Attach the battery cover

 memo

- Do not touch connector part of microSD memory card.
- Do not apply excessive force to pull microSD memory card. Doing so might cause malfunction or data loss.
- Applications installed in microSD memory card are not available to use without microSD memory card.
- microSD memory card might become warm after using a long time. It is not abnormal.

Viewing the Setting Menu

1 Home screen ► "☰" ► "Settings"

■ Setting menu list

Wireless & networks	Make communication settings such as Airplane mode, Wi-Fi®, Bluetooth®, Mobile networks etc.
Call settings	Set network services such as Answering Service (Voice Mail), Call Transfer, etc.
Sound	Set Manner mode, adjust volume for call ringtone, mail ringtone, key touch tones, Vibration, playback, etc.
Display	Make display settings such as Animation, Auto-rotate screen, Screen timeout.
Gesture	Set whether to use motion gestures or adjust motion sensor.
Location & security	Make location settings such as enable/disable the GPS function, or security settings such as screen lock.
Applications	Make settings for installing or activating applications. And manage installed applications.
Accounts & sync	Make basic settings for managing online service accounts or synchronizing data.
Privacy	Restore the default settings.
SD card & phone storage	Check memory space of microSD memory card and the product, and initialize microSD memory card.
Language & keyboard	Set the display language and make character entry settings.
Voice input & output	Make Google voice recognizer settings and Text-to-speech settings.

Accessibility	Set call end operation and user support service.
Connectivity settings	Set related settings to connect with external devices.
Date & time	Set date and time, date & hour format etc.
About phone	Check your own phone number, signal level, etc. Perform software update.

Appendix

Introduction of related accessories

- Battery pack (LGI11UAA)
- AC adapter (LGI11PQA)*¹
- au Carrying Case F Black (O105FCA)*²
- microUSB cable O1 (O301HVA)
- microUSB cable O1 Navy (O301HBA)*²
- microUSB cable O1 Green (O301HGA)*²
- microUSB cable O1 Pink (O301HPA)*²
- microUSB cable O1 Blue (O301HLA)*²

* 1 It is required to connect with microUSB cable when using the LGL21.


* 2 It sells separately.

memo

- For the latest information about available accessories, check au website (<http://www.au.kddi.com/>) or contact Customer Service Center.
- This product does not support ASYNC/Fax transmission.
- Accessories can be purchased from au online shop.
- From a PC:
<http://auonlineshop.kddi.com>

Troubleshooting


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

Symptom	Check item	Page
Cannot turn on power.	Is the battery pack charged?	P.34
	Is the battery pack attached properly?	P.30
	Are you pressing and holding  ?	P.36
Cannot charge the battery.	Is the battery pack properly attached?	P.34 P.36
	Is the AC adapter securely plugged into an outlet?	P.34
Battery usage time is short.	Do you often use the product in places where "■ (out of service area)" is displayed?	—
	Is the battery pack at the end of its life?	P.20
Cannot operate touch panel as intended.	Are you operating with gloved hands?	P.40
	Are you operating with a fingernail or foreign object on the screen?	P.40
Cannot operate the keys/touch panel.	Is the screen lock set?	P.23
	Turn off the power and then turn it on again.	P.36
Screen response is slow when you tap on the screen/press the keys.	Screen response may be slowed down when a large amount of data is stored in the LGL21 or being transmitted between the LGL21 and a microSD memory card.	—
au IC-Card (UIM) error is displayed.	Is an au IC-Card inserted?	P.33

Symptom	Check item	Page
Cannot make calls.	Is an au IC-Card inserted?	P.33
	Did you enter the correct phone number? (Did you enter the phone number starting with the area code?)	P.46
Cannot receive calls.	Is reception good enough?	P.41
	Are you out of service area?	P.41
Cannot hear the other party.	Is the earpiece volume too low?	P.46
	Are you covering the earpiece with your ear? Place your ear hole to the earpiece.	P.29
Cannot recognize a microSD memory card.	Is a microSD memory card inserted properly?	P.57
	Is the microSD memory card unmounted?	P.56

For more details, contact the Customer Service Center.

From a land-line phone,

 0077-7-111 (toll free)

From an au cell phone,

157 without area code (toll free)

Updating Software

Notes on software update

- You are charged for data communication when connecting to the Internet from the product by using packet communication.
- When software update is necessary, you will be informed on au website, etc. For details, contact an au shop or Customer Service Center (call toll-free 157). In addition, users of the LGL21 will receive a notice from au, when software update is necessary to improve the functionality of the LGL21.
- Make sure to charge your phone before software update. If battery is not enough, software update may fail.
- Check out the signal reception. Software update may fail if you are at a place with bad signal reception.
- Data registered on the LGL21 (Contacts, mail, photos, music, etc.) and information of settings will not be changed even after software is updated. However, note that data might not be protected depending on the state of your phone (malfunction, damage, getting wet, etc.)
You are recommended to back up your data before updating software.
- If software update has failed or stopped, perform the same again.

Do not conduct the following operations during software update.

- Do not remove battery pack during software update. Doing so might cause software update failure.
- Do not move during software update.

The following operations are not available during software update

- Operations are not available during software update. Calls to 110 (Police), 119 (Fire department or ambulance service) and 118 (Japan Coast Guard) are also not available. Also, alarm, etc. cannot be used.

When software update is not available, etc.

- If you fail to update software, it may become impossible to operate the LGL21. If this happens, bring it to an au shop or PiPit (not accepted by some shops).

Downloading and updating software

1 Home screen ▶ " " ▶ "Settings" ▶ "About phone" ▶ "Software Update" ▶ "Check now for update"

Check if there is new software.

Software update screen is displayed when software update is available.

2 Select a communication method to download

Select a communication method to download software

3 "Download"

A new software download starts.

4 "Install now"

Software update starts. During software update, it is assumed that the LGL21 would restart one or two times.

5 "OK"

After-sales service

■ When asking for repair

For repair, contact an au shop or Customer Service Center.

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

* Battery pack is not covered by the free-of-charge repair warranty.

memo

- Before handing in the product for repair, make a backup of the contents of memory since they may disappear during repair. Note that the Company shall not be liable for any damages and loss of income should the contents of memory be altered or lost.
- Recycled parts that meet the Company's quality standards are sometimes used for repair.
- Old mechanical parts replaced by the In-warranty repair service, Repair charge discount service or Renewal service after water soak/irreparable damage are collected and recycled by the Company and cannot be returned to the customer.

■ Performance parts for repair

The Company retains performance parts for repair of the LGL21 main unit and its peripherals for 4 years after discontinuation of production. "Performance parts for repair" refers to parts required for maintaining the functions of the product.

■ Warranty card

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

■ Secure cell phone support

An after-sales service membership program on a monthly basis called "Secure cell phone support" (monthly fee: 315 yen including tax) is available for using your au cell phone for a long time without worries. This service expands coverage for many troubles including malfunction, theft and loss. For details of this service, contact an au shop or Customer Service Center.

Changes of after-sales service are assumed. For detailed information, refer to au website.

memo

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

■ After-sales service

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

Customer Service Center (for loss, theft or damage and operation information)

From a land-line phone,

☎ 0077-7-113 (toll free)

From an au cell phone,

113 without area code (toll free)

■ au after-sales service information

Extracted service	Secure cell phone support member	Free member
1.In-warranty repair service Feature: Repairs covered by the warranty is free of charge.	Five-year warranty service	Three-year warranty service
2.Repair charge discount service Feature: Repair charges are discounted except for malfunctions due to water soak or irreparable damage.	Full refund (free of charge)	5,250 yen (including tax) charged to the customer
3.Renewal service after water soak/ irreparable damage Feature: The renewal fee is discounted in case of malfunctions due to water soak or irreparable damage.	5,250 yen (including tax) charged to the customer	10,500 yen (including tax) charged to the customer
4.Loss relief service	A maximum of 18,900 yen (including tax) is discounted from the purchase price.	A maximum of 6,300 yen (including tax) is discounted from the purchase price.

Extracted service	Secure cell phone support member	Free member
5.Free battery pack service	A free battery pack is offered for continuous use of the same au cell phone for more than one year (and three years).	None
6.No-claim bonus point	A 1,000-point bonus is offered for one-year continuous use of the same au cell phone without any service claim.	None

memo

Repair charge discount service

- Repairs due to water soak and irreparable damage are not covered by this service.
- Damages and malfunctions intentionally caused by the customer as well as those due to modification (e.g. disassembly, change of parts, painting, etc.) by the customer are not covered by this service.
- You cannot receive a full refund for replacement of the outer casing due to stains, scratches, paint removal, etc. on the outer casing.

Renewal service after water soak/irreparable damage

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

Loss relief service

- To use "Loss relief service", you need to submit a certificate of the theft or loss issued by a public agency such as police station or fire station. If you cannot get a certificate from the police station or fire station, you need to notify of the name of the public agency to which you reported the theft or loss, the date of report, and the acceptance number.
- Accidents due to disassembly by the customer and those intentionally caused by the customer are not covered by this service.

Free battery pack service

- We offer you a free battery pack each time you have used the same au cell phone for more than one year and then for more than three years (up to twice).
- You must submit a separate application to receive a free battery pack. You can apply for a free battery pack up to twice, once during the second to third year, and then during the fourth to fifth year. No-claim bonus points.

No-claim bonus points

- We offer you a 1,000-point bonus of "au Point Program" for your using the same au cell phone for one year after purchase without using any of the Repair charge discount service, Renewal service after water soak/irreparable damage and Loss relief service.
 - * A one-year period is counted from the month of starting the Secure cell phone support subscription or acquiring the points, or from the month of an accident.

Main specifications

■ LGL21

Display		Approx. 4.0 inches, Max. 16.77 million colors, IPS liquid crystal
		800 x 480 dots (WVGA)
Weight		Approx. 130 g (including battery pack)
Size (W x H x D)		Approx. 64 mm x 118 mm x 9.9 mm (Max. thickness: 10.2 mm)
Continuous calling time		Approx. 500 mins
Continuous standby time		Approx. 250 hours (when using 3G) Approx. 160 hours (when using 3G and Wi-Fi [®] function)
Charging time		Approx. 160 mins
Outward-facing camera (lens)	Image pickup device	CMOS
	Effective pixels	Approx. 8.0 million
	Digital zoom	Up to approx. 8.0 times (15 levels)
Inward-facing camera (lens)	Image pickup device	CMOS
	Effective pixels	Approx. 300 thousand pixels
Memory (available space)		Approx. 2.5 GB
Wireless LAN		IEEE 802.11 b/g/n compliant

Bluetooth [®] function	Communication method	Bluetooth [®] standard Ver.3.0
	Output	Bluetooth [®] standard Power Class2
	Communication distance ^{*1}	Ideal line-of-sight distance is within approx. 10 meters
	Compatible Bluetooth [®] profiles ^{*2}	HSP (Headset Profile) HFP (Hands-Free Profile) A2DP (Advanced Audio Distribution Profile) AVRCP (Audio/Video Remote Control Profile) OPP (Object Push Profile) PBAP (Phone Book Access Profile)
	Frequency band	2.4GHz frequency band (2.412GHz ~ 2.472GHz)

- * 1 This varies depending on the obstacles between the communicating devices and the reception quality.
- * 2 These are Bluetooth[®] standards that provide specifications for communications between Bluetooth[®] compatible device.

■ AC adapter (LGI11PQA)

Input	From AC 100 to 240V, 50/60Hz
Output	DC 4.8V, 1.0A
Dimension (W x H x D)	Approx. 73 mm x 27 mm x 56 mm
Surrounding temperature	From 5°C to 35°C
Surrounding humidity	From 35% to 85%

■ Battery pack (LGI11UAA)

Battery type	Lithium ion battery
Nominal voltage	3.7V
Nominal capacity	1500mAh
Dimension (W x H x D)	Approx. 44 mm x 65 mm x 4.8 mm
Weight	Approx. 32 g

memo

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

Specific Absorption Rate (SAR) of cell phones

This model LGL21 cell phone complies with Japanese technical regulations and international guidelines regarding exposure to radio waves. This cell phone has been designed in observance of the Japanese technical regulations regarding exposure to radio waves ^(*) and limits to exposure to radio waves recommended by equivalent international guidelines.

These international guidelines were set out by the International Commission on Non-Ionizing Radiation Protection (ICNIRP), which is in collaboration with the World Health Organization (WHO), and the permissible limits include a substantial safety margin designed to assure the safety of all persons, regardless of age and health condition. The Japanese technical regulations and international guidelines define the limits using a unit of measurement known as the Specific Absorption Rate (SAR), which represents the average amount of radio frequency energy absorbed by the human head. The SAR limit for cell phones is 2.0 W/kg. The highest SAR value for this cell phone when tested for use at the ear is 0.678 W/kg. There may be slight differences in SAR levels among individual products, but they all satisfy the limit. The actual SAR of this cell phone while talking on the phone can be well below that indicated above. This is due to automatic changes in the power level of the cell 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 cell phone. This cell phone can be used in positions other than against your ear. This cell phone satisfies the international guidelines when used with au Carrying Case F Black

(0105FCA) (sold separately) recommended by KDDI ^{(*)2}. In case you are not using the au Carrying Case F Black (0105FCA) (sold separately), use a product that contains no metal parts, and one that can hold the cell phone at least 1.5 cm away from your body.

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 cell 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/sys/ele/index.htm>

○ Association of Radio Industries and Businesses Website:

<http://www.arib-emf.org/index02.html>

○ au Website:

<http://www.au.kddi.com/>

○ LG Electronics Inc. Website:

<http://www.lg.com/jp/mobile-phones/all-phones/index.jsp>

- * 1 Technical regulations are defined by the Ministerial Ordinance Related to Radio Law (Article 14-2 of Radio Equipment Regulations).
- * 2 Regarding the method of measuring SAR when using cell phones in positions other than against the ear, the international standard IEC62209-2 was set in March 2010. On the other hand, Japanese technical regulation is currently under deliberation by the Committee for Radio

Wave Utilization Environment set up in the Information and Communication Technology Group of the Advisory Committee on Information and Communications. (As of March 2011)

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.

The SAR value for this model handset when tested for use at the ear is 0.46 W/kg and when worn on the body, as described in this user guide, is 0.64 W/kg.

Body-worn operation

This phone was tested for typical body-worn operations with the back of the phone kept at a distance of 1.0 cm from the body. To maintain compliance with FCC RF exposure requirements, use accessories that maintain a 1.0 cm separation distance between 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 ZNFLGL21

Additional information on Specific Absorption Rates (SAR) can be found on the Cellular Telecommunications & Internet Association (CTIA) website at <http://www.phonefacts.net>.

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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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FCC Part 15 Class B Compliance

This device complies with part 15 of 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 causes undesired operation.

Bodily Contact During Operation

This device was tested for typical use with the back of the phone kept 0.39 inches (1.0 cm) from the body. To comply with FCC RF exposure requirements, a minimum separation distance of 0.39 inches (1.0 cm) must be maintained between the user's body and the back of the phone.

Third-party belt-clips, holsters, and similar accessories containing metallic components should not be used.

Avoid the use of accessories that cannot maintain 0.39 inches (1.0 cm) distance between the user's body and the back of the phone and have not been tested for compliance with FCC RF exposure limits.

Part 15.21 statement

Changes or modifications that are not expressly approved by the manufacturer could void the user's authority to operate the equipment.

Part 15.105 statement

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 you experience interference with reception (e.g., television), determine if this equipment is causing the harmful interference by turning the equipment off and then back on to see if the interference is affected. If necessary, try correcting 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 a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.