

Notes on usage

Speed Wi-Fi 5G X1Z

Technically Certified

Precautions

Do not wrap cables around the main unit while connected to the AC adapter (sold separately) or the USB cable (commercially available).

Excessive force continuously applied to the plug might cause failures.



Refrain from wrapping the cable around the unit, remove it instead.

About Using this Product

- Before using the product, read the "Safety Precautions (Observe Strictly)" in "Notes on usage" (this manual) to ensure correct use.
- Before assuming the product is malfunctioning, check the symptoms in "Troubleshooting" in the "Setup Guide".
- Also, see the "故障とのお考えになる前に (Troubleshooting)" in the "取扱説明書 詳細版 (Full Instruction Manual)" (Japanese) on the WiMAX Support Information website. <https://www.necplatforms.co.jp/support/wimax/x1z/index.html> (in Japanese only)
- "取扱説明書 詳細版 (Full Instruction Manual)" (Japanese) can be downloaded from the au website. <https://www.au.com/support/service/mobile/guide/manual/> (in Japanese only)
- When you communicate using this product, keep it at least 1.5 cm away from your body, with no intervening metallic objects.
- Communication is not possible even in 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 area during communications.
- Since this product uses radio waves, the possibility of communication interception by third parties cannot be eliminated. (The 5G, LTE, and WiMAX 2+ systems, however, offer secure communication encryption and secrecy functions.)
- If you subscribe to the WiMAX operator other than au, this Product is designed for use in Japan only and cannot be used in any other country.
- For au contracts, the product is supported by au World Service, but the various network services described in the "Instruction Manual" differ depending on the region and service content.
- Since this product is a radio station under the Radio Law, you may be asked to temporarily submit the product for inspection in accordance with the Radio Law.
- The IMEI information in the product that you are using is automatically transmitted to your telecommunications carrier for "product maintenance" and for "understanding usage conditions".
- If using an au contracted device overseas, confirm the regulations and other conditions for each country/region.
- The Company is not liable for any damages or lost income arising from earthquakes, lightning, storms, floods or other natural disasters, as well as accidents by third parties, other accidents, intentional or mistaken operation by the customer, or use under other unusual conditions outside the responsibility of the Company.
- The Company is not liable for any incidental damages (change/disappearance of recorded content, loss of business income, disruption of business, etc.) arising from the use of or inability to use the product.
- The Company is not liable for any damages or lost income arising from failure to observe the recorded content of the "Instruction Manual".
- The Company is not liable for any damages or lost income arising, for example, from malfunction caused by combination with connected devices or software not related to the Company.
- The settings and other stored 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 the loss of data.
- It is recommended you keep a copy of important data on your PC's hard disk, etc. Whatever the cause of the defect or malfunction may be, the Company assumes no responsibility for alteration or loss of saved data.
- Contents saved in this product might be altered or lost due to accidents, faults, repair, or mishandling. Be sure to keep a copy of important contents. Note that the Company assumes no responsibility for any damages or lost income resulting from altered or lost contents.
- This product uses liquid crystal for its display. The display response speed may become slow when the ambient temperature is low, which is due to the property of liquid crystal and not a malfunction. The display response speed will return to normal at room temperature.
- Although the display used on the product is made using high-precision technology, some pixels (dots) might be lit or out at all times. This is not a malfunction.
- Do not discard the product together with regular trash. Please cooperate in the collection of unneeded products (optional products included) to protect the environment and effectively use resources. The products are collected at au Style/au shops, and other places.
- * The term "the Company", as used in this manual, indicates the telecommunications carrier to whom you are contracted and the manufacturer (NEC Platforms, Ltd.).
- Ⓞ Unauthorized reproduction of the "Instruction Manual" in whole or in part is prohibited.
- Ⓞ The contents of the "Instruction Manual" are subject to change without notice.
- Ⓞ Some functions may become unusable due to changes to the OS specifications or if services are changed or ended.
- Ⓞ While every effort has been made regarding the contents of the "Instruction Manual", please contact the telecommunications carrier to whom you are contracted if you have questions or notice omissions.

Safety Precautions (Observe Strictly)

- **Before using this product, thoroughly read these safety precautions for proper use.**
- **The safety precautions shown here contain information to prevent damage to property and/or injury to the user or other people and must be observed.**
- **The symbols in the following categories indicate the level of damage or injury that may occur due to incorrect usage or if the information provided is not observed.**

	This symbol indicates the potential and imminent danger of death or serious injury ⁽¹⁾ to a person from improper use.
	This symbol indicates the possibility of death or serious injury ⁽¹⁾ to a person from improper use.
	This symbol indicates the possibility of minor injury ⁽²⁾ to a person or physical damage ⁽³⁾ to a person from improper use.

*1 Serious injury: This refers to loss of sight, injury, burns (high- and low-temperature), electric shock, broken bones, injuries with residual aftereffects from poisoning, etc., and injuries requiring hospital admission for treatment or long-term hospital attendance as an outpatient.

*2 Minor injury: This refers to injuries, burns (high- and low-temperature), electric shock, etc. that do not require hospital admission for treatment or long-term hospital attendance as an outpatient.

*3 Physical damage: This refers to extended damage to buildings, furniture, livestock, or pets, etc.

Explanation of icons used in this manual that indicate prohibitions and restrictions

	Indicates an action that is not allowed.		Indicates that handling with wet hands is not allowed.
	Indicates that disassembly is not allowed.		Indicates restrictions on actions according to instructions (actions that must be done).
	Indicates that use in a place where the product is likely to get wet or allowing the product to get wet is not allowed.		Indicates that the power plug must be removed from the power outlet.

• In this manual, the "au Nano IC Card 05" (for au contracts) and the "au Nano IC Card 05 U" (for contracts with WiMAX operators other than au) are referred to as a "SIM card".

■ Precautions common to the main unit, internal battery, charging equipment, SIM card, and related accessories

DANGER

- **Do not use, store, or leave the product in locations subject to high temperatures or accumulation of heat (e.g. by the fire, near a heater, under a heated kotatsu or bedding, in direct sunlight, or in a car in the hot sun).**
Doing so might cause fire, burns, injury or electric shock.
- **Do not put the product in or near microwave ovens, cooking appliances, such as IH cooking heaters, or high pressure containers, such as pressure cookers.**
Doing so might cause fire, burns, injury or electric shock.
- **Do not splash sand, soil or mud on the product, or do not directly place the product on them. Also, do not touch the product with hands with sand etc. adhered.**
Doing so might cause fire, burns, injury or electric shock.
- **Do not charge the battery when the product gets wet with liquids such as water (drinking water, sweat, seawater, urine of pet animals, etc.). Also, do not charge the battery in locations exposed to water, such as a bathroom or near a humidifier.**
Doing so might cause fire, burns, injury or electric shock.
- **Do not bend or break the product and do not subject it to extreme pressure. Be particularly careful to not bump it or crush it between things when carrying it in a pocket of your clothes.**
Doing so might cause fire, burns, or injury if the internal battery is damaged.
* Use care in the following situations:
 - Sitting or squatting while the product is in a pocket of your pants or skirt
 - Crushing the product in a door or a car door while it is in a pocket of your jacket
 - Stepping on the product while it is on the floor or on something soft, such as a sofa, bed, or cushions, etc.
 - Sliding the product between the seats on a train or bus
- **Do not disassemble or modify the product.**
Doing so might cause fire, burns, injury or electric shock.
- **Do not try to remove the product's internal battery.**
Doing so might cause fire, burns or injury.
- **The product's rear cover cannot be removed. Do not try to remove it. Also, even if the product becomes swollen due to the internal battery swelling, do not try to remove or excessively push in the product's rear cover.**
Doing so might cause fire, burns or injury.
- **Do not let the product get wet with liquids such as water (drinking water, sweat, seawater, urine of pet animals, etc.).**
Doing so might cause fire, burns, injury or electric shock.
- **Do not allow liquids such as water (drinking water, sweat, seawater, urine of pet animals, etc.) to get inside the connection terminal.**
Doing so might cause fire, burns, injury or electric shock.
- **Use only optional accessories specified by the Company.**
Using accessories that are not specified, or whose manufacturer, reseller, or specifications are unknown, might cause fire, burns, injury or electric shock.

WARNING

- **Do not subject the product to strong force, impacts, or vibration, such as letting it fall, stepping on it, or throwing it.**
Doing so might cause fire, burns, injury or electric shock.
- **Do not allow conductive materials (such as metal objects and pencil lead) to get into the connection terminal, or dust to get inside it.**
Doing so might cause fire, burns, injury or electric shock. If a foreign object accidentally gets into the product, turn off the power to the product and contact the telecommunications carrier to whom you are subscribed.
- **Do not cover or wrap the product with a cloth or bedding while using or charging it.**
Doing so might cause fire or burns.
- **If charging does not finish after the specified time, stop charging.**
Failure to do so might cause fire, burns, injury etc. due to overcharging etc.
- **Turn off the product before entering a place where flammable gas may be present, or a place where dust is generated. Stop charging the battery if you are doing so.**
The flammable gas, etc. could ignite and cause an explosion, fire, etc.
- **Regarding use in a gas station, etc., follow the instructions of those specific facilities.**
Do not charge the product in a gas station, etc.
Also, if the product is used in a gas station, etc. be careful to not drop it, do not use it while refueling in particular.
The flammable gas, etc. could ignite and cause an explosion, fire, etc.
- **If you notice anything unusual about the product, such as an unusual odor, abnormal noise, smoke generation, overheating, discoloration or deformation during operation, charging or storage, perform the following measures with care and caution.**
 - Remove the charging equipment's (sold separately) plug from the power outlet.
 - Turn the product off.
 Failure to do instructions above might cause fire, burns, injury, or electric shock. If you notice anything unusual about the product, such as an unusual odor, abnormal noise, smoke generation, overheating, discoloration or deformation, please contact the telecommunications carrier to whom you are subscribed.

CAUTION

- **Do not use the product while it is damaged.**
Doing so might cause fire, burns or injury.
- **Do not place the product on an unstable or inclined platform.**
Doing so might cause the product to fall etc. and cause injury.
- **Do not use or keep the product in a place that is very humid, dusty, or subject to high temperatures.**
Doing so might cause fire, burns, or electric shock.
- **If children use the product, parents or guardians should give them proper instructions and do not allow them to use the product in the wrong way.**
Failure to do so might result in accidental ingestion, injury, or electric shock.
- **Keep the product out of the reach of babies and infants, and keep it away from pets.**
Failure to do so might result in accidental ingestion, injury, or electric shock.
- **Be careful, the product may become very warm when it is used continuously or being charged. Also, be careful that the product is not unintentionally in contact with your body for extended periods, such as if you put it in a garment pocket or fall asleep.**
The product, internal battery, and charging equipment (sold separately) might become warm when used continuously, such as to transmit data, or while charging. If you are directly in contact with a warmed part for a long time, it might cause a redness of skin, itch, rash, low-temperature burn etc. depending on your physical condition.

■ Main unit

DANGER

- **Do not heat the product or throw it into a fire.**
Doing so might cause fire, burns or injury.
- **Do not apply excessive force, such as sticking a sharp object (a nail, etc.) into the product, hitting it with a hard object (a hammer, etc.), or stepping on it.**
Doing so might cause fire, burns or injury.
- **If the substances inside the product get into your eyes or mouth, promptly rinse them with clean water and then immediately consult a doctor.**
Failure to do so might cause blindness, medical problems, etc. due to the effects of the substances in the product.

WARNING

- **Do not allow liquids such as water (drinking water, sweat, seawater, urine of pet animals, etc.), metal pieces, burnable items, and other foreign objects to get inside the product's USB port or the SIM card slot inside the product. Also, do not insert the SIM card into the wrong slot, or insert it in the wrong orientation.**
Doing so might cause fire, burns, injury or electric shock. If a foreign object accidentally gets into the product, turn off the power to the product and contact the telecommunications carrier to whom you are subscribed.
- **Turn the product off before boarding an airplane.**
Use of mobile devices on an airplane is restricted. Follow the instructions of the airline. The radio waves may adversely affect electronic equipment on the aircraft. Prohibited acts related to mobile device usage on an airplane might be punished by law.
- **Follow the instructions of medical institutions regarding the use of mobile devices on their premises.**
Turn the product off in places where its use is prohibited. The radio waves may adversely affect electronic devices or electronic medical equipment.
- **If you are wearing any electronic medical equipment, contact the manufacturer or retailer of the electronic medical equipment for information about the possible effects of radio waves.**
The radio waves from the product might have harmful effects on electronic medical equipment.
- **Turn off the power to the product near electronic devices or equipment using high precision controls or weak signals.**
The radio waves may adversely affect the operation of electronic devices.
* The following are some electronic devices or equipment that you should be careful of: Hearing aids, implantable cardiac pacemakers, implantable cardioverter defibrillators, other electronic medical equipment, and other automatically controlled devices or equipment. If you use an implantable cardiac pacemaker, implantable cardioverter defibrillator, or other electronic medical equipment, check with the electronic medical equipment manufacturer or retailer whether the operation can be affected by radio waves.
- **Be careful about broken parts or exposed internal parts of the product if the display is broken.**
Touching damaged or exposed parts might cause burns, injury, or electric shock.
- **Immediately stop use and move the product away from the fire if you notice liquid leaking from the internal battery or unusual odors.**
The liquid that leaks out might ignite and cause a fire or rupture.
- **Be careful not to let the product be bitten by your pet.**
Fire, burns, or injury might occur if the internal battery ignites, ruptures, overheats, or leaks fluid.

CAUTION

- **If the display is damaged and the internal substance leaks out, do not get it on your skin, such as your face, hands, or clothes, etc.**
Doing so might cause injury to your eyes or skin.
If the internal substance gets into your eyes or mouth, etc., or contacts your skin or clothes, immediately rinse the affected area with clean running water.
If the substance gets into your eyes or mouth, etc., rinse the affected area and immediately consult a doctor.
- **Do not discard the product together with regular trash.**
Doing so might cause fire, burns or injury. Also, it might cause environmental destruction. When you no longer need the product, recycle it at an au Style/au shop, or other place, or recycle it according to the instructions of your local government.
- **If the internal substance of the internal battery leaks out, do not get it on your skin, such as your face or hands, or clothes etc.**
Doing so might cause injury to your eyes or skin.
If the internal substance gets into your eyes or mouth, or contacts your skin or clothes, immediately rinse the affected area with clean running water.
If the substance gets into your eyes or mouth, etc., rinse the affected area and immediately consult a doctor.
- **To use the product in a car, check with the automobile manufacturer or dealer before using it to determine how the car's equipment is affected by radio waves.**
The radio waves from the product may have an adverse effect on electronic equipment in some vehicle models. In that case, stop using the product immediately.
- **If skin problems develop from using the product, immediately stop using it and consult a doctor.**
Itching, rashes, eczema, or other symptoms could occur depending on the user's physical condition. For an explanation of the materials used for various parts of the product, see "List of materials" on the right.
- **Watch the display in an adequately bright place taking a certain distance from it.**
Watching it in a dark place or closely might reduce visual acuity etc.

■ Charging equipment

WARNING

- **Do not use the specified charging equipment (sold separately) or the USB cable (commercially available) if their cables become damaged.**
Doing so might cause fire, burns, or electric shock.
- **If you hear thunder, do not touch the charging equipment (sold separately) or USB cable (commercially available).**
Doing so might cause an electric shock.
- **Do not short-circuit the connection terminal while it is connected to a power outlet. Do not touch the connection terminal with your hands, fingers, or any part of your body.**
Doing so might cause fire, burns, or electric shock.
- **Do not place heavy objects on the cables of the specified charging equipment (sold separately) or USB cable (commercially available), and do not apply excessive force to the cables, such as by pulling them.**
Doing so might cause fire, burns, or electric shock.
- **When you insert or remove the charging equipment (sold separately) to or from a power outlet, do not contact metal straps or other metal objects with the charging equipment.**
Doing so might cause fire, burns, or electric shock.
- **Do not use a voltage converter (such as converters used for overseas travel) with the charging equipment (sold separately).**
Doing so might cause fire, overheating, or electric shock.
- **Do not apply excessive force to the connection part with the specified charging equipment (sold separately) connected to the product.**
Doing so might cause fire, burns, injury or electric shock.
- **Do not touch the cable of the charging equipment (sold separately) or USB cable (commercially available), the connection terminal, the power plugs, or the cradle (sold separately) with wet hands.**
Doing so might cause fire, burns, or electric shock.
- **Use the specified power supply and voltage. Also, use charging equipment (commercially available) that can be used overseas to charge the product while overseas.**
Using the wrong power supply or voltage might cause fire, burns, or electric shock.
Charging equipment (sold separately): 100 VAC (connect only to a household AC power outlet)
Charging equipment (commercially available) that can be used overseas: 100 - 240 VAC (connect only to a household AC power outlet)
- **Wipe off dust on the power plug.**
Using it while it is dusty might cause fire, burns, or electric shock.
- **When you connect the charging equipment (sold separately) to a power outlet, insert it firmly.**
Insecure inserting might cause fire, burns, or electric shock.
- **When you remove the power plug from the power outlet, do not apply excessive force to pull on the cable of the charging equipment (sold separately). Hold the charging equipment (sold separately) to pull it out.**
Pulling on the cable of the charging equipment (sold separately) might damage the cable and cause fire, burns, or electric shock.

- **When you insert or remove the charging equipment (sold separately) or USB cable (commercially available) into/from the product, insert or remove them straight into/from the connection terminal without applying excessive force, such as by pulling on their cables.**
Removing these incorrectly might cause fire, burns, injury or electric shock.
- **If the connection terminal is deformed such as being bent etc., stop using it immediately. Do not use them with the deformation restored.**
Doing so might short-circuit the connection terminal or cause fire, burns, injury or electric shock.
- **Always remove the power plug of the charging equipment (sold separately) from the outlet when not using it.**
Leaving the power plug connected to the power outlet might cause fire, burns, or electric shock.
- **Immediately remove the power plug for the charging equipment (sold separately) from the power outlet if any liquid, such as water (drinking water, sweat, seawater, urine of pet animals, etc.) gets on it.**
Whatever gets on it may cause a short-circuit resulting in a fire, burns, or electric shock.
- **Remove the power plug of the charging equipment (sold separately) from the power outlet when cleaning.**
Failure to do so might cause fire, burns or electric shock.

CAUTION

- **Do not touch the charging equipment (sold separately) continuously while it is connected to the power outlet.**
Doing so might cause burns.

CAUTION

- **Be careful of the cut edge, so you do not injure your fingers or other body parts, when handling the SIM card.**
The cut edge may be sharp and cause an injury.

■ Using the product near medical equipment or in medical institutions

WARNING

- **If you have electronic medical equipment such as an implantable cardiac pacemaker or an implantable cardioverter defibrillator, carry or use the product 15 cm or more away from the implant at all times.**
The radio waves from the product might have harmful effects on the operation of electronic medical equipment.
- **If you need to use electronic medical equipment other than implantable cardiac pacemakers or implantable cardioverter-defibrillators outside medical institutions such as treating at home, consult the relevant electronic medical equipment manufacturer for effects on the equipment by radio waves.**
The radio waves from the product might have harmful effects on the operation of electronic medical equipment.
- **If there is any chance that the distance between the product and a person using an electronic medical device may become less than 15 cm, such as if they cannot freely move around, set the product in advance not to emit radio waves (such as by turning off the power, etc.).**
A person in close proximity may be equipped with electronic medical equipment such as an implantable cardiac pacemaker or an implantable cardioverter defibrillator. The radio waves from the product might have harmful effects on the operation of electronic medical equipment.
- **Follow the instructions given by the respective medical institution regarding the use of the product on their premises.**
The radio waves from the product might have harmful effects on the operation of electronic medical equipment.

List of materials

<Speed Wi-Fi 5G X1Z main unit>

Component	Material / Surface treatment
Exterior case	PC resin / coating, printing
Display part	PC resin
Power/Enter button, Δ button, ▽ button	PC resin / coating, printing
SIM cover	PC resin / coating, printing TEEB resin

Handling Precautions

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

■ Precautions common to the main unit, internal battery, charging equipment, SIM card, and related accessories

- Do not apply excessive force to the product during use. Be sure not to put the product into a tightly packed bag or place a heavy object on the product in a bag. Sitting on the product in your pocket might damage the display or internal circuit board resulting in a malfunction.
- Keeping an external device connected to the external connection terminal 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%.)
- Do not use in places subject to lots of dust or vibration. Doing so might cause a malfunction.
- Clean the connection terminal with dry cotton swabs, etc. every now and then. Soiled terminals might cause poor connection. Do not apply strong force when cleaning the connection terminal to prevent deformation.
- Clean the product with a soft dry cloth (such as the type used for eyeglasses). Forceful rubbing with a dry cloth may scratch the display. The display may be stained if splashes or smears are left on the surface. Wiping the display with alcohol, thinner, benzene, detergent, etc., may also erase the printing on the outer casing or cause failures.
- Wiping the display with disinfectant, antibacterial sheets, etc., may change colors, cause deformation, or erase the printing on the outer casing. Also, if disinfectant is used near the product, the disinfectant may get inside the product and cause a malfunction.
- Use as far away as possible from landline phones, TVs and radios. Use nearby might affect them.
- The product may become warm during data transmission or charging etc. depending on the situation, but this is not abnormal.
- If the product becomes warm when using it, the power might turn off automatically because of a protection feature. In that case, turn on the power to connect again after a while.
- Do not place near corrosive chemicals or in places where corrosive gas is generated. Doing so might cause a malfunction.
- Do not use outside when you can hear thunder. Doing so might risk lightning strikes and electric shock.
- Be sure to use only specified peripheral devices. Use of other peripheral devices might cause a malfunction.
- Do not put the product in a cooking apparatus, such as a microwave oven or a pressure vessel. Doing so might cause a malfunction.
- The customer is not allowed to disassemble, modify or repair the product. Doing so might cause a malfunction. Modification of the product is in violation of the Radio Law and Telecommunications Business Act.
- Do not allow a part of your body such as fingers or conductive foreign objects (metal fragments, pencil leads, etc.) to come into contact with or get inside of the connection terminal to avoid short-circuit. Doing so might cause a malfunction. If a foreign object accidentally gets into the product, please contact the telecommunications carrier to whom you are subscribed.
- Do not splash liquid such as water on the product. Also, never use in humid places such as bath areas, or use with wet hands. Doing so might cause a malfunction due to short-circuit or corrosion of electronic circuits.
- Malfunctions caused by wetting with water or humidity are not covered by the warranty and charges will be incurred for repairs. Please contact the telecommunications carrier to whom you are subscribed.
- In the event that the product gets wet while charging, immediately remove the power plug of the charging equipment (sold separately).

- Do not operate the product while driving a car or motorbike, riding a bicycle, or walking. Operation of a mobile device while driving a car or motorbike is prohibited by law. Operation of a mobile device while riding a bicycle might be punishable by some regulations.

- Using or charging the product in a bag or while it is covered with bedding might cause a malfunction.
- When using the charging equipment (sold separately) or an external device, insert/remove the connector straight to/from the terminal. Make sure of the orientation of the connector is correct. Unless it's correct, it might cause a malfunction.
- Do not store the product in dusty subject to direct sunlight (e.g. in a car), places that get hot, places that get extremely cold, and in humid or dry places. Doing so might cause a malfunction.
- Do not place the product on an unstable or inclined platform. Be especially careful while the product is charging. Dropping the product might cause a malfunction.
- Do not exceed the rating of a power outlet or wiring device when charging the product, for example, by starburst connection etc.

Main unit

- The product's battery is internal and cannot be removed.
- Do not forcefully press, hit or intentionally subject the display to strong impact. Doing so might cause scratching or damage.
- Do not forcefully press your fingertips, sharp objects or hard objects against the button or display surface. Doing so might cause scratching or damage.
- Never use this product when it has been modified. Use of a modified device violates the Radio Law and Telecommunications Business Act. The product has received the technical standards conformity certification for specified wireless equipment based on the Radio Law and the technical standards conformity approval based on the Telecommunications Business Act, proof of this can be confirmed by the "Technical Conformity Mark ㊦" on the product's display. How to confirm:From the home screen, open the main menu, "System" - "Certification information"(Cert) to display "Certification information"

If the screws of the product are removed and modifications are made to the internal components, the certification of conformity with technical regulations will become invalid. Never use the product without the valid certification. Doing so violates the Radio Law and Telecommunications Business Act.

- Take care not to place magnetized items such as magnetic cards, speakers and TV sets near the product, as it might cause malfunction. Putting a strong magnetic field close to the product might cause false operation.
- Do not place magnetic cards, such as cash cards, credit cards, and prepaid cards near the product. Doing so might erase the registered information.
- When you put the product in your pocket or bag, take care so that the display does not come in contact with metal objects or other hard objects. Doing so might cause scratching or damage.
- When suddenly brought into a warm place from a cold place, or when in a humid location, or when used where temperature suddenly changes (e.g. near the air discharge port of an air conditioner), water droplets (i.e. condensation) sometimes are formed inside the product. Note that when used under conditions such as this, the humidity might cause corrosion or a fault.
- Note that applying excessive force to the USB connector while connected to an external device may cause damage.
- Always close the SIM cover, etc., before use. Not closing covers before use might allow dust or water, etc., to get inside and cause a fault. If a dust or water, etc. accidentally gets into the product, turn off the power to the product and contact the telecommunications carrier to whom you are subscribed.
- Do not allow liquids, metal objects, or other foreign objects to get inside the SIM card slot in the product. Doing so might cause a malfunction. If a foreign object accidentally gets into the product, turn off the power to the product and contact the telecommunications carrier to whom you are subscribed.
- Do not subject the product to strong impact, such as by dropping it, throwing it, or stepping on it. Doing so might cause a malfunction.
- Do not place the product directly on a sandy beach, etc. Sand etc. might get inside the product causing a malfunction. If a foreign object accidentally gets into the product, turn off the power to the product and contact the telecommunications carrier to whom you are subscribed.

Display

- If the display shows the same image for long periods; is set brighter than is needed; or is used for extremely long periods, then its colors may change or its brightness may partially deteriorate. These are properties of the display, not malfunctions.
- Because the display is made using high-precision technology, only very small pixels might stay lit or out at all times. Also, depending on the angle of view, changes in color or stripes of varied colors or brightness may be appear. These are due to the structure of the display, and are not malfunctions. Your understanding is appreciated.
- Exposing the display to direct sunlight might cause a malfunction. Be careful when placing it near windows or outside.

Internal battery



(The product's internal battery is a lithium-ion battery.)

The internal battery is not fully charged at the time of purchase. Charge the battery before using the product. Also, if you have not used the product for a long time, then charge it.

- Leaving the product in very hot or cold environments, such as in a closed car (vehicle) in summer, will lower the capacity of the internal battery and shorten the available usage time. This will also shorten the internal battery's service life. Try to use the product, as much as possible, at room temperature.
- After charging, the internal battery gradually discharges even if the product is not used. If the product is not used for a long period, the internal battery may discharge, so we recommend charging it before use.
- If the product is not used for a long time, periodically charge it.
- The internal battery might swell up, depending on usage conditions, as it approaches the end of its service life. This is due to the properties of lithium-ion batteries, and is not a problem in terms of safety.
- The internal battery is a consumable part. If the operating time becomes extremely short even after recharging, if the internal battery is swollen, or if performance deteriorates and does not recover, stop using the product because it has reached the end of its service life. Note that the length of service life varies depending on the usage conditions, etc.

Charging equipment

- Do not wrap the cable of the specified charging equipment (sold separately) around the AC adapter itself. Do not forcibly bend the connection part of the charging equipment (sold separately) and power plug. Do not place heavy objects on the cable of the AC adapter or the USB cable (commercially available), and do not apply excessive force to the cables, such as by pulling them. Doing so might cause a malfunction.
- Hold the power plug of the specified charging equipment (sold separately) when removing it from an outlet. If you pull the cable, the cable might be damaged.

SIM card

- Do not apply excessive force when removing or inserting the SIM card. Be careful not to apply excessive force when inserting the card into the product you are using.
- You are responsible for any damage caused by inserting your SIM card into some other IC card reader/writer, etc.
- Do not put stickers, etc. on the SIM card.
- Do not insert a SIM card that is in a conversion adapter. Doing so might cause a fault.
- Do not do anything that might damage the SIM card (such as using it in a hot place, dropping it into fire, contact of its metal parts with foreign objects, subjecting it to impact, bending, loads, or liquids, etc.). Doing so might cause loss of data or a malfunction.

Copyrights and rights of portrait

- You are not allowed, without the copyright holder's permission, to copy, distribute, publish, or modify the whole or parts of data acquired using this product, such as by Internet download, when that data is protected by third-party copyright, except for copying or quoting for personal use as recognized by 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.

Backup content that is in the product

- Please back up important content recorded or downloaded on the product to an outside source. Content recorded to memory on the product sometimes disappears or is altered by unexpected factors, such as static electricity or a fault, repair, mishandling, etc.

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

- The wireless LAN (Wi-Fi®) function and Bluetooth® function of this product have been certified to conform with domestic wireless standards in Japan.
- The wireless LAN (Wi-Fi®) function and Bluetooth® function may be restricted in some countries and regions. If using the product overseas, confirm the regulations and other conditions for each country/region. (for au contracts)
- The 2.4GHz band used by wireless LAN (Wi-Fi®) and Bluetooth® devices is shared by various other devices. For this reason, the communication speed and connectable range may be decreased, or disconnection may occur, due to interference from other devices.
- Do not use this product in places where electromagnetic waves are generated or near electric products, AV and OA equipment, or other magnetized devices.
- Subjecting this product to magnetic or electrical noise might increase noise and prevent it from performing communications. (This product is particularly susceptible to noise when it is 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 (Wi-Fi®) access points near the product or if the same channel is being used.
- Use of this product on board an airplane is restricted. Follow the instructions of the airline.
- The communication speed and connectable range vary depending on the distance between communication devices, obstacles and the devices used.

2.4GHz band precautions

Wireless LAN (Wi-Fi®) and Bluetooth® functions of this product use the 2.4GHz band. In this frequency band, other similar radio equipment is operated, including microwave ovens and other home appliances, industrial, scientific, and medical equipment, as well as other radio equipment, mobile identification stations used for factory production lines, which require a license, specified low-power radio equipment that does not require stations, and amateur radio stations, hereinafter abbreviated as "other wireless stations".

- Before using this product, make sure that "other wireless stations" are not in operation nearby.
- In the event that instances of radio wave interference have occurred between this product and "other wireless stations", immediately either relocate this product or stop operation of the device (stop the emission of radio waves).
- If you are unclear on any points or are troubled by anything, contact the telecommunications carrier to whom you are subscribed.
 - Connections with all wireless LAN (Wi-Fi®) or Bluetooth® devices have not been confirmed.
 - Therefore, connections with all wireless LAN (Wi-Fi®) and Bluetooth® devices are not guaranteed.
 - Although the product's security functions serve as a measure of security during wireless communicating conform to the standard specifications for wireless LAN (Wi-Fi®), they may not offer enough security, depending on the usage environment and settings. Be careful when doing data transmission using wireless LAN (Wi-Fi®).

- Wireless LAN (Wi-Fi®) has the advantage that it can be freely connected anywhere within the radio wave range, as it uses radio waves for exchanging information. At the same time, there is a risk that a malicious third party may obtain unauthorized access if security settings have not been configured. You are recommended to configure security settings before using wireless LAN at your discretion and responsibility.
- The Company assumes no responsibility for leakage of data or information that may occur during wireless LAN (Wi-Fi®) communication.
- Since wireless LAN (Wi-Fi®) and Bluetooth® functions use the same frequency band, using 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 the wireless LAN (Wi-Fi®) or Bluetooth® function.

- Wireless LAN (Wi-Fi®) and Bluetooth® functions of this product use the 2.4GHz band.
 - Wireless LAN (Wi-Fi®) function: 2.4DS4/OF4 This product uses the 2.4GHz band. DS-SS and OFDM are used as the modulation schemes. The interference distance is about 40 m or less.
 - Bluetooth® function: 2.4FH4/XX8 This product uses the 2.4GHz band. It uses FH-SS modulation and other modulation schemes as its modulation schemes with an interference distance of within 40 m and 80 m, respectively.
- Channels that can be used vary according to country. (for au contracts)
- For use in an airplane, check with the airline company in advance.
- | | | |
|---|----------------------------|--|
| 2.4DS4/OF4/FH4/XX8 | 2.4DS4 | : Radio equipment that uses the 2.4 GHz band. |
| | DS4 | : An interference distance of up to 40 m assumed for the DS-SS system. |
| | OF4 | : An interference distance of up to 40 m assumed for the OFDM system. |
| IEEE802.11b/g/n/ax | FH4 | : An interference distance of up to 40 m assumed for the FH-SS system. |
| | XX8 | : Modulation scheme assumes an interference distance of within 80 m for other systems. |
| | | : This means that the product uses all frequency bands and is incapable of avoiding the frequency band for mobile device identification equipment. |

- If you are using this product in the 2.4GHz band, you are recommended to set the channel setting to either CH1, CH6, or CH11 to mitigate interference and increase frequency use efficiency. This does not apply when you must use a setting other than the recommended CH1, CH6, or CH11 to avoid system interference other than wireless LAN (Wi-Fi®). (Refer to "8-4 Wi-Fi 設定 (Wi-Fi Settings)" in "取扱説明書 詳細版 (Full Instruction Manual)" (Japanese) for how to set up user channels.)

5GHz band precautions

Wireless LAN (Wi-Fi®) function of this product uses 5GHz band. Using the 5.2GHz band and 5.3GHz band outdoors is prohibited by the Radio Law. (Except when communicating with an access point/land mobile relay station in a 5.2GHz band high-output data communications system.) The channels used on the product are as follows.

 IEEE802.11a/n/ac/ax	W52 (5.2GHz band / 36, 40, 44, 48ch)
 JS2 W52 W53 W56	W56 (5.6GHz band / 100,104,108,112,116,120,124,128,132,136,140, 144ch)

* The product electronically displays on-screen "Notice for using 5GHz band Wi-Fi". How to display: From the home screen, open the main menu, "System" - "Notice for 5GHz band"(Notice)

About Each Type of Verification Number and PIN Code

About the various verification numbers

Various verification numbers are used when using this product. The verification numbers used are as follows. Because the various verification numbers that are set are needed for various operations, be careful not to forget them. Also, be sure to change the initial values to your own numbers before use.

- Screen lock settings

Example use:	When setting/releasing the screen lock
Initial value:	1234

About the PIN code

PIN code

- To prevent unauthorized use of the SIM card by a third party, you can set the product to require a PIN code entry every time the power is turned on. You also need to enter a PIN code when setting whether the PIN code entry is required.
- If the PIN code is incorrectly entered three times consecutively, the PIN code will be locked. You can unlock the PIN code using a PIN lock cancellation code (PUK code).
 - The PIN code is "1234" and entry is set to "Disable" at the time of purchase. You can change the PIN code to any four- to eight-digit number, and set entry to "Enable" as necessary. If you set the PIN code to "Enable", be sure to change the PIN code to your own number before using the product.
 - The "PIN code" is not reset by initializing the product.

PIN lock cancellation code (PUK code)

- In case the PIN code is locked, you can unlock it by entering the PIN lock cancellation code (PUK code).
- The PIN lock cancellation code (PUK code) is an eight-digit number preset at the time of purchase, which is printed on the back side of the plastic card on which your SIM card is attached.
- After entering the PIN lock cancellation code (PUK code), you need to set a new PIN code.
- If the PIN lock cancellation code (PUK code) is incorrectly entered ten times consecutively, contact the telecommunications carrier to whom you are subscribed.

Data Communication Terminal Etiquette

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

- Use of this product on board an airplane is restricted. Follow the instructions of the airline.

Consideration for the people around you is important

- While in public, use this product in places where you will not get in the way of traffic.
- It is extremely dangerous to walk while looking at the product's screen. Refrain from operating the product while walking and after suddenly stopping.
- When operating the product on the Shinkansen, in a hotel lobby, etc., move to a place where you are not in the way of others.
- When in crowded places, such as a full train, there may be people with pacemakers around you. Turn off the power of the product in advance.
- Use of this product may or may not be prohibited in medical institutions, such as hospitals. Follow the instructions in places where bringing this product is prohibited.

After-sales Service

To request repairs (for au contracts)

Contact the Repair and Delivery Support Center regarding repairs.

Under warranty	Repairs done based on the Company's free repair regulations.
Not under warranty	If repairs are possible, the customer choose to have repairs done for a fee.

- *The warranty period is one year from the date a customer purchases a new product.
- Keep a backup of the content of the memory, because it may be lost during repairs. The Company bears no responsibility for any damages or lost profits resulting from altered or lost contents.
- Re-used parts that meet the Company's quality standards may be used to make repairs.
- The device you have being using, which is returned through the replacement mobile phone delivery service, is reused as a replacement device after being repaired. Also, device parts replaced by the After Service are collected and recycled by the Company. Because of this, they cannot be returned to the customer.
- If this product is manipulated, modified, or analyzed (including software modification, analysis (including rooting, etc.), reverse engineering, reverse compiling, or reverse assembly) or repaired outside of the Company's officially authorized repair centers, then it may no longer be covered by warranty and repairs may be refused.
- The internal battery is a consumable part so it is not covered by warranty.
- Accessories, which are separate from the product's main unit, are not covered by warranty for free repairs.

Performance parts for repair

The Company will retain performance parts for repair of the Speed Wi-Fi 5G X12 main unit and its related accessories 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 store of purchase, date of purchase and other necessary details on the warranty card, and be sure to keep it in a safe place.

Repair and Delivery Support (for au contracts)

A monthly membership in an after service system "Repair and Delivery Support" is available to ensure long-term reliable use of au devices. This service provides expanded coverage for various troubles, such as malfunction, theft, or loss.

See the au website for details on these services and monthly fees.

https://www.au.com/mobile/service/kosho-funshitsu/ (in Japanese only)

* These services may change without advance notice.

SIM card

The SIM card is lent to you by the telecommunications carrier to whom you are subscribed. In case of loss or damage, the card will be replaced at your expense. When a malfunction is suspected, or in case of theft or loss, contact the telecommunications carrier to whom you are subscribed.

Related Accessories

The types of accessories that can be used to charge the product and connect it to a PC or the like are listed in the following table.

<For au contracts>

X12 cradle ^(*)	NAR03PUA	(sold separately)
TypeC Common AC Adapter 01 ^(*)	0601PQA	(sold separately)
TypeC Common AC Adapter 02 ^(*)	0602PQA	(sold separately)

<For contracts with WiMAX operators other than au>

X12 cradle ^(*)	NAR03PUU	(sold separately)
TypeC Common AC Adapter 01 U ^(*)	0601PQV	(sold separately)
TypeC Common AC Adapter 02 U ^(*)	0602PQV	(sold separately)

(*)1 When connecting the product to the X12 cradle (sold separately), refer to the "X12 クレードル取扱説明書 (Instruction Manual of the cradle)" (Japanese) included in the same package as the cradle.

(*)2 We recommend using a TypeC Common AC Adapter 02 (sold separately) or a TypeC Common AC Adapter 02U (sold separately) to charge the product while it is set in the X12 cradle (sold separately). Some products may no longer be handled.

* You can purchase related accessories through the au online shop. Some products may no longer be handled. https://onlineshop.au.com/ (in Japanese only)

* Check the website of the telecommunications operator to whom you are subscribed regarding the latest supported accessories.

Software Used in the Product

This product includes software licensed under GNU General Public License (GPL) and/or GNU Lesser General Public License (LGPL). The user can obtain the source code of such software, and copy, distribute and modify the software according to the GPL and/or LGPL. Refer to the WiMAX Support Information website for details.

https://www.necplatforms.co.jp/support/wimax/x12/index.html (in Japanese only)

Specific Absorption Rate (SAR) of Data Communication Terminal

This model Speed Wi-Fi 5G X12 conforms to a state-formulated technical standard relating to the human body absorption of radio waves and international guidelines for radiation protection.

This data communication terminal is designed to conform to a state-formulated technical standard (*1) relating to the human body absorption of radio waves, and tolerable limits for radiation protection that are recommended by equivalent international guidelines. These international guidelines have been worked out by the International Commission on Non-ionizing Radiation Protection (ICNIRP), a partner to the World Health Organization (WHO), and their tolerable limits allow for an adequate factor of safety, regardless of the user's age or health conditions. The state-formulated technical standard and international guidelines establish such tolerable limits for radiation protection in terms of a Specific Absorption Rate (SAR), which represents the average rate at which energy is absorbed by the human body. This data communication has a SAR limit setting of 2.0W/kg. If this data communication terminal is used under the conditions of normal use defined in this "Instruction Manual", the maximum SAR limit is 1.148 W/kg (*2). Individual product models all satisfy their respective SAR limits, which may vary slightly from one model to another.

Because data communication terminals are designed to fill the minimum transmitting power requirement for communicating with base stations for cellular phones, etc., their SAR normally gets lower while they carry on communication actually.

When you communicate using this product, keep it at least 1.5 cm away from your body, with no intervening metallic objects. This procedure has been verified to allow this data communication terminal to conform to the specifications of the state-formulated technical standard and the international guidelines for radiation protection. The World Health Organization states: "A large number of studies have been performed over the last two decades to assess whether mobile phones pose a potential health risk. To date, no adverse health effects have been established as occurring due to mobile phone use."

To find out more, please visit the websites of the World Health Organization.

https://www.who.int/news-room/fact-sheets/detail/electromagnetic-fields-and-public-health-mobile-phones

To find out more about SAR, please visit the following websites.

- Ministry of Internal Affairs and Communications website: https://www.tele.soumu.go.jp/e/sys/ele/index.htm
- Association of Radio Industries and Businesses website: https://www.arib-efm.org/01denpa/denpa02-02.html (in Japanese only)
- NEC Platforms, Ltd. website: https://www.necplatforms.co.jp/support/wimax/x12/index.html (in Japanese only)
- au website: https://www.au.com/mobile/product/sar-list/ (in Japanese only)
- UQ Communications website: https://www.uqwimax.jp/signup/body_s/ (in Japanese only)

*1 The technical standard is stipulated in ordinance laws related to the Radio Act (Radio Station Regulations Article 14-2).

*2 This value includes wireless functions that can be used at the same time.

About the Voluntary Control for Interference of Radio Waves

<div><div></div><div>This device is a class B device. This device is intended for use in domestic environments, but it may interfere with reception if it is used near a radio or television receiver. Read the instruction manual to use the device correctly.</div></div>	<div></div>
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- This device has an electronic mark on the display indicating compliance based on technical regulations from VCCI. How to display: From the home screen, open the main menu, "System" - "Certification information"(Cert) to display "Certification information"

About Harmonic Current Regulations

The product complies with the Harmonic Current Regulations JIS C 61000-3-2.

* Compliant because power consumption is less than 75 W.

Export Administration Regulations

The product and accessories may be subject to the application of the Foreign Exchange and Foreign Trade Act and other related laws and regulations in Japan. In addition, the Export Administration Regulations (EAR) of the United States may be applicable. In cases of exporting or re-exporting the product and accessories, customers are requested to follow the necessary procedures at their own responsibility and cost. Please contact the Ministry of Economy, Trade and Industry of Japan or the Department of Commerce of the United States for details about procedures.

Trademark Notice

Wi-Fi®, Wi-Fi Alliance®, Wi-Fi CERTIFIED®, WPA™, WPA2™, WPA3™, Wi-Fi Protected Setup™ and their logos are trademarks or registered trademarks of Wi-Fi Alliance. The Bluetooth word mark and logo are registered trademarks owned by the Bluetooth SIG, INC., and any use of such trademarks is under license.

Other company names, brand names, service names and so on are trademarks or registered trademarks of their respective owners. TM and the ® mark may be omitted in this manual.

Contact

For au contracts

au Support

 Apps / websites	 Message
<ul style="list-style-type: none">My au app <ul style="list-style-type: none">You can confirm fees, points, contracts, etc., and do various procedures. For customers that use povo, use povo 2.0 app/povo.1.0 app.	<ul style="list-style-type: none">Consultations are easy anyplace at anytime via chat! AI responds quickly 24 hours a day and advisors have detailed information.
 My au Download here	 URL <i>http://kddi.jp/8d6</i> (Japanese)
 URL <i>http://kddi.jp/mFH</i> (Japanese)	
 au Support (web)	 Telephone
<ul style="list-style-type: none">Provides guidance to various support information that is helpful if you have a problem.	<ul style="list-style-type: none">Operations / settings (open year round/toll free calls) (open: 9:00 to 22:00)
 URL <i>http://kddi.jp/G9</i> (Japanese)	 0077-7058
	* If you cannot transmit, call 0120-977-033.

Services for members of Repair and Delivery Support

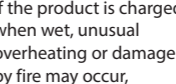
Repair and Delivery Support Center (open year round/toll free)	From au mobile phones/landline phones
Advice on malfunctions and replacement phone delivery services (open 9:00 to 20:00)	 0120-925-919

For contracts with WiMAX operators other than au

Please contact the WiMAX operator to whom you are subscribed.



モバイルリサイクルネットワークの推進を図るための取組み。



Mobile phone and PHS operators collect and recycle unneeded telephones, batteries a n d battery chargers at stores bearing the mobile recycle network logo regardless of brand and manufacturer to protect the environment and reuse valuable resources.

If the product is charged when wet, unusual overheating or damage by fire may occur, which is extremely dangerous.

Subjecting the battery to impact or extreme external pressure is very dangerous and may rupture or deform it and cause it to emit smoke or ignite.