

RZ-H271

Regulatory Guide

This section explains the precautions that must be taken to prevent harm to the user or other persons, or damage to property. This section describes the hazards that may occur if the product is handled improperly and the degree of danger in the following categories.



Caution: Indicates a risk of injury or damage to property.



Warning: Indicates a potentially hazardous situation which may result in death or serious injury.

Regulatory Information

This guide applies to the following model number: RZ-H271

Any changes or modifications to Sharp equipment could void unwarrantable or unserviceable and Sharp cannot be held responsible for any failure or damage caused by any changes or modifications.

Declared maximum operating temperature: 50°C

For use only with Zebra/Sharp approved and UL Listed mobile devices, Zebra/Sharp approved, and UL Listed/Recognized battery packs.



CAUTION: Only use Sharp approved accessories, battery packs, and battery chargers. Do NOT attempt to charge damp/wet mobile computers, printers or batteries. All components must be dry before connecting to an external power source.

Bluetooth® Wireless Technology

This is an approved Bluetooth® product. For more information on the Bluetooth SIG listing, please visit [bluetooth.com](https://www.bluetooth.com).

Regulatory Markings

The regulatory marks specific to this device (MIC and Type Approval ID) are available on the screen of the device by following these instructions:

Go to **Settings > Regulatory**.

Warranty

For the complete Sharp hardware product warranty statement, go to: <https://smj.jp.sharp/bs/ht/rzh270/>.

SHARP Marketing Japan Corporation
Business Solution Company
1-9-2, NAKASE, MIHAMA-KU, CHIBA-SHI, CHIBA 261-8520 JAPAN



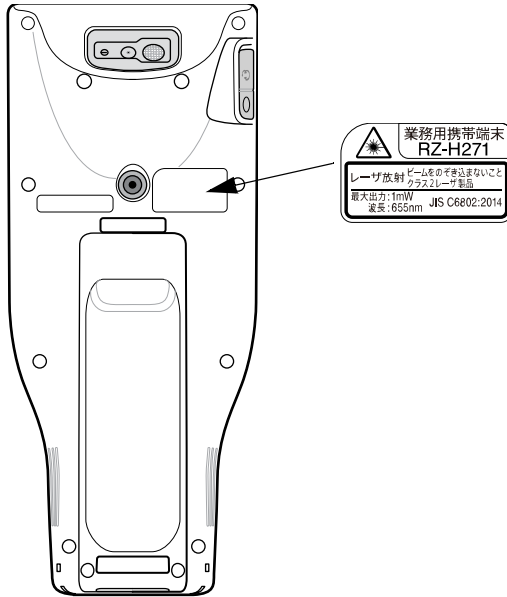
Laser Devices

Class 2 laser scanners use a low power, visible light diode.



CAUTION: Use of controls, adjustments, or the performance of procedures other than those specified in the supplied product documentation may result in hazardous laser light exposure. As with any very bright light source such as the sun, the user should avoid staring directly into the light beam. The laser light may cause eye damage.

Scanner Labeling



Labels read:

1. Laser Light — do not stare into beam Class 2 Laser product. 630-680nm, 1mW

LED Devices

Classified as 'EXEMPT RISK GROUP' according to IEC 62471:2006 and EN 62471:2008.

Pulse Duration: 17.6 ms

AC adapter and AC cord

Use only the AC adapter and AC cord (EA-70S) manufactured by SHARP corporation.



WARNING ELECTRICAL SHOCK: Use of alternative power supply will invalidate any approvals given to this unit and may be dangerous.

Batteries

Battery Information

The battery pack approved by SHARP is following model manufactured by Zebra Technologies.

- BTRY-MC20-35MA-01 (3.6 VDC, 3300 mAh)

Use only the following cradles approved by SHARP for charging batteries.

- RZ-2CH9/RZ-2CH9B/RZ-2CH10



CAUTION: Risk of explosion if battery is replaced by an incorrect type.

Zebra approved rechargeable battery packs are designed and constructed to the highest standards within the industry.

However, there are limitations as to how long a battery can operate or be stored before needing replacement. Many factors affect the actual life cycle of a battery pack such as heat, cold, harsh environmental conditions, and severe drops.

When batteries are stored over six months, some irreversible deterioration in overall battery quality may occur. Store batteries at half charge in a dry, under normal temperature (25°C), removed from the equipment to prevent loss of capacity, rusting of metallic parts, and electrolyte leakage. When storing batteries for one year or longer, the charge level should be verified at least once a year and charged to half charge.

Replace the battery when a significant loss of run time is detected.

- Standard warranty period for all Zebra batteries is one year, regardless if the battery was purchased separately or included as part of the host device. For more information on Zebra batteries, please visit: zebra.com/batterydocumentation and select the Battery Best Practices link.

Battery Safety Guidelines



IMPORTANT – SAFETY INSTRUCTIONS – SAVE THESE INSTRUCTIONS



WARNING – When using this product basic safety precautions should always be followed, including the following:

The area in which the units are charged should be clear of debris and combustible materials or chemicals. Do not use this battery for any purpose other than commercial environment.

- Follow battery usage, storage, and charging guidelines found in the user's guide.
- Improper battery use may result in a fire, explosion, or other hazard.
- When charging the battery pack, do so in an ambient temperature range of 0 °C to 40 °C.
- Do not use incompatible batteries and chargers. Use of an incompatible battery or charger may present a risk of fire, explosion, leakage, or other hazard. If you have any questions about the compatibility of a battery or a charger, contact SHARP support.
- Do not disassemble or open, crush, bend or deform, puncture, or shred. Damaged or modified batteries may exhibit unpredictable behavior resulting in fire, explosion, or risk of injury.
- Severe impact to battery or battery-operated device can cause the battery to overheat or leakage. Such battery packs should not be used.
- Do not short circuit a battery or allow metallic or conductive objects to contact the battery terminals.
- Do not modify, disassemble, or remanufacture, attempt to insert foreign objects into the battery, immerse or expose to water, rain, snow or other liquids, or expose to fire, explosion, or other hazard.
- Do not leave or store the equipment in or near areas that might get very hot, such as in a parked vehicle or near a radiator or other heat source. Do not place battery into a microwave oven or dryer.
- Keep the battery pack out of the reach of children.
- Do not dispose of batteries in fire. Exposure to high temperature may cause explosion.
- Seek medical advice immediately if a battery has been swallowed.

- If the battery pack leaks, avoid contact of the leaking liquid with the skin or eyes. In the event of contact, flush the contact area with plenty of water and seek medical advice.
- If you suspect damage to your equipment or battery, contact Zebra support to arrange for inspection.
- Do not use a power pack in excess of its output rating. Overload outputs may result in risk of fire or injury to persons.
- Have service performed by a qualified Sharp service center. This will insure safety of the product is maintained.



WARNING – Indicates a potentially hazardous situation that could result in death or serious injury.

- Do not attempt to disassemble, repair or modify the product.
If the product malfunctions, turn off the power immediately, remove the battery pack, and ask the dealer from whom you purchased the product or Sharp's service company to repair it. If the battery pack is installed in a charging cradle (RZ-2CH9/RZ-2CH9B) or communication cradle (RZ-2CH10), remove it from those cradles immediately.
- Do not use the product outdoors when thunderstorms are occurring.
- Do not use the product outdoors during lightning storms, as lightning and electric shock may result.
- Do not short-circuit between terminals.
It may cause fire or electric shock.
- Do not install the product in the charging cradle (RZ-2CH9/RZ-2CH9B) or communication cradle (RZ-2CH10) while it is wet.
If water gets into the connection part, it may cause fire or electric shock. It may also cause charging failure or malfunction.
- When installing or removing peripheral devices or battery packs, do not handle the terminal cover or battery pack cover while they are wet.
If water gets into the product, it may cause fire, electric shock or burns. Before opening the covers, wipe them gently with a soft, dry, clean cloth.
- Do not touch the part with high temperature for a long time.
Prolonged contact with parts of the product where the temperature is high may cause low-temperature burns. Be careful not to touch the part with high temperature for a long time.
- If you notice any abnormalities such as fever, smoke, strange smell, or foreign objects (metal fragments, water, liquid) entering the product, turn off the power immediately and remove the battery pack immediately. If the product is installed in a charging cradle (RZ-2CH9/RZ-2CH9B) or communication cradle (RZ-2CH10), remove it from those cradles immediately.
Doing so may result in fire or electric shock. Please contact your dealer or Sharp service company.
- Turn off the power in areas where use is prohibited, such as airplanes.
Use of this product in an aircraft is prohibited. However, the built-in wireless LAN can be activated in an aircraft with a wireless LAN system, except during take-off and landing, when the product is connected to the corresponding wireless LAN system. When using this product, please follow the instructions of the airline you are using.

- Carry and use the product well away from implantable cardiac pacemakers, implantable cardioverter defibrillators, hearing aids, and other sensitive electronic devices.

Turn off the power of this product in crowded places such as crowded trains and near priority seating areas, where there is a possibility of people wearing implantable cardiac pacemakers or implantable cardioverter-defibrillators.

- Do not bring this product into the operating room, intensive care unit (ICU), or coronary care unit (CCU) of a medical institution, or any other place where the use of electronic devices is prohibited or prohibited by the institution.

Radio waves may cause malfunctions or other effects on electronic devices. If you are using precision electronic equipment for medical purposes in a medical institution or at home, please obtain instructions from the medical institution about the effects of radio waves, or check with the manufacturer or distributor of the equipment.

- Please use our charging cradle (RZ-2CH9/RZ-2CH9B) or communication cradle (RZ-2CH10) for charging.

Use of other chargers may result in fire.

- Use the product in an ambient temperature range of -10°C to 50°C and humidity of 20% to 90%RH (non-condensing).

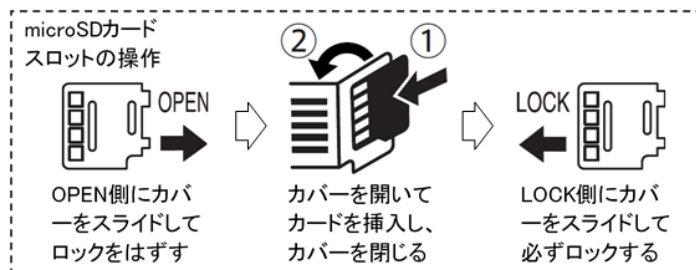
Use of the product in an extreme temperature environment may cause fire or electric shock.



CAUTION – Indicates a potentially hazardous situation that may result in injury or property damage.

- The power plug must be easily plugged and unplugged from the power outlet.
- Do not place the product on an unstable surface such as a wobbly table or a tilted surface.
If the product falls, it may cause injury or malfunction.
- Do not drop or shock the product when headphones are connected to it.
Doing so may result in injury, internal damage, or malfunction.
- When carrying the product, hold it firmly and do not drop it. When using this product, it is recommended to use a hand belt to prevent it from falling.
If the product is dropped, it may cause injury or malfunction.
- Do not insert an out-of-specification card, a different type of card, a deformed card, a card with a dirty surface, or a card with corrosion into the micro SD card slot.
- Do not touch the micro SD card slot contact terminal or switch part with your fingers or other foreign objects.
Doing so may cause a read error. Doing so may result in damage or read errors.
- Be sure to insert the micro SD card into the rail of the cover for inserting the card, and rotate the cover in place to lock or remove the card.

If you do not follow the proper procedure, or if you insert the battery pack with the cover open without locking it, the contact terminal may be damaged or the card may be deformed.



- Do not leave the micro SD card in the reach of children.
It may be swallowed by mistake and cause injury.

For your health, please observe the following:

- When using the product continuously, take a break of 10 to 15 minutes every hour to rest your eyes.
- Use it in a place where the light is bright enough to read a newspaper comfortably. (Approximate brightness of the operating area: 500 lux)
- Do not use the product in places where there is a large difference between light and dark.
- Do not use in places where the screen is exposed to direct sunlight.
- If you feel fatigue or pain while using this product, please stop using it immediately.
- If you continue to feel fatigue or pain after discontinuing use, seek medical attention.

Precautions for use:

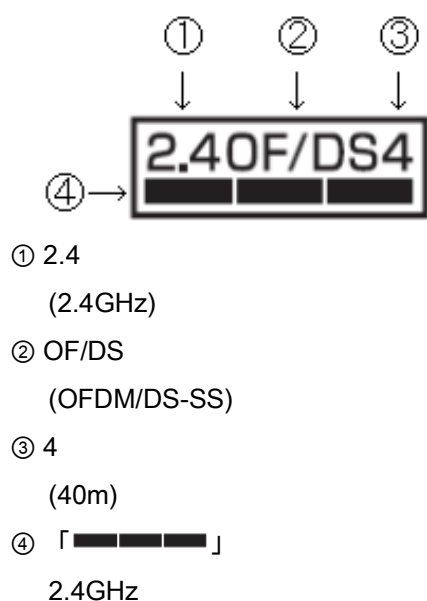
- If the product gets wet, wipe it gently with a soft, dry, clean cloth immediately.
Do not continue to use the product while it is wet, or remove the battery pack cover or headphone terminal cover while it is wet. Failure to do so may result in malfunction or failure of the product.
- Do not touch the charging contact terminals of this product with your hands or other objects.
If the terminals become dirty, contact with the charging cradle or communication cradle will be poor, resulting in poor charging or communication. If the terminals are dirty, wipe them lightly with a soft, dry, clean cloth. Do not use volatile liquids such as thinner or benzene, strong chemicals, detergents, or wet cloths. They may alter the quality or color of the product, make it impossible to charge, and may cause malfunction.
- The display is easily scratched, so be sure to use your fingertips to operate it when it is free of dust and dirt. When using your fingertips, wipe your fingertips with a soft, dry, clean cloth before operating the product. Do not operate the display unit with fingernails or sharp objects (mechanical pencils, ballpoint pens, etc.).
Doing so may damage the display unit, resulting in malfunction.

- Conformity certification based on the Radio Law

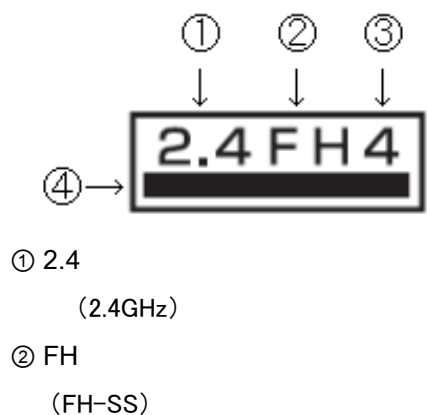
This product has received certification of conformity to technical standards, etc., as radio equipment for low-power data communication system radio stations based on the Radio Law. Therefore, there is no need to obtain a radio station license when using this product. This product has received certification of conformity to technical standards, etc., but disassembly or modification of this product may be punishable by law.

This product has been type-designated as an inductive reading/writing communication facility for high-frequency use based on the Radio Law. Therefore, there is no need to obtain permission for the installation of high-frequency equipment when using this product. This product can be used only in Japan.

2.4GHz



Bluetooth®



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Cautions on Radio Interference

Precautions for using 2.4 GH equipment

In the frequency band where this product is used, on-site radio stations (radio stations that require a license), specified low-power radio stations (radio stations that do not require a license), and amateur radio stations (radio stations that require a license) for mobile identification, which are used in industrial, scientific, and medical equipment such as microwave ovens, as well as in factory production lines, are in operation.

1. Before using this product, make sure that there are no premises radio stations for mobile identification, specified low power radio stations, or amateur radio stations in operation nearby.
2. In the unlikely event that this product causes harmful interference to a mobile identification radio station, immediately change the frequency of use or cease emission of radio waves, and contact your dealer for advice on how to avoid interference (for example, by installing partitions). Please contact your dealer and ask about measures to avoid interference (such as installing partitions).
3. If any other problems occur, such as cases of harmful radio interference from this product to specified low power radio stations for mobile identification or amateur radio stations, please contact the dealer where you purchased the product.

5GHz

- IEEE802.11a/n/ac

5.2GHz, 5.3GHz


Notes on the use of 5GHz devices:

- When using IEEE802.11a/n communication, this product uses radio waves in the 5GHz band.
- The 5.2GHz and 5.3GHz bands are prohibited by the Radio Law for outdoor use.
- IEEE802.11n (5GHz), IEEE802.11a/c, 36,40,44,48ch (W52) 52,56,60,64ch (W53)
100,104,108,112,116,120,124,128,132,136,140ch (W56) .

W52 (5.2GHz/36,40,44,48ch)

W53 (5.3GHz/52,56,60,64ch)

W56 (5.6GHz/100,104,108,112,116,120,124,128,132,136,140ch).

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

Handling of this product

If this product is repeatedly subjected to a strong shock or force from being dropped, and malfunctions, it will be repaired for a fee.

Care and Maintenance

To clean the display and other parts of the product, wipe lightly with a soft, dry cloth. Do not use volatile liquids such as thinner or benzine, detergent, or wet cloth. Doing so may result in deterioration of the product or color change.

Barcode Scanner Filter Care

Make sure that there is no dust or sand on the surface of the barcode scanner filter, and then wipe it off with a synthetic non-woven cloth for wiping glasses. If there is dust or sand on the surface, wipe it off with a synthetic non-woven cloth for wiping glasses, taking care not to scratch the barcode scanner filter. Do not use alkaline liquids, strong chemicals, detergents, wet cloths, or tap water as they may damage the surface coating. If the product gets wet, wipe it off immediately with a soft, dry, clean cloth. If it is difficult to remove oil stains, etc., use a commercially available eyeglass cleaner solution.

Recycle Used Lithium-Ion Rechargeable Batteries

The rechargeable battery sold with this device contains valuable metals and other materials that can be collected, processed and recycled. Please contact your local recycling center for further information on how to safely dispose of the rechargeable battery pack. When recycling, note the following:

- Taping of the (+) and (-) terminals will prevent the battery from short-circuiting during the transportation process
- Do NOT remove the outer cover of the battery pack (coating, tube, etc.)
- Do NOT disassemble the battery pack.

Battery Type

Battery Pack (Model BTRY-MC20-35MA-01) (3.6 VDC, 3300 mAh) lithium-ion rechargeable battery.