

Two Way Radio

RT22

USER'S MANUAL

- IS channel
- Super sensitive
- Strong interference
- The radio easy
- signal output
- Scanning
- Sound
- Durable

**Warning**

- CHOKING HAZARD – Small Parts. Not for children under 3 years.

**Achtung**

- ERSTICKUNGSGEFÄHR – Kleinteile. Nicht für Kinder unter 3 Jahren geeignet.

**Waarschuwing**

- VERSTIKKINGSGEVAAR – Bevat kleine onderdelen. Niet geschikt voor kinderen jonger dan 3 jaar.

**Aviso**

- RIESGO DE ASFIXIA – Pequeños objetos. No es recomendado para crianças com menos de 3 años.

**More Optional Accessories**

**Technical Parameters (US)**

Model	Frequency	Power	Weight
RT22	151.400-151.450	1W	100g
RT22	151.450-151.500	1W	100g
RT22	151.500-151.550	1W	100g
RT22	151.550-151.600	1W	100g
RT22	151.600-151.650	1W	100g
RT22	151.650-151.700	1W	100g
RT22	151.700-151.750	1W	100g
RT22	151.750-151.800	1W	100g
RT22	151.800-151.850	1W	100g
RT22	151.850-151.900	1W	100g
RT22	151.900-151.950	1W	100g
RT22	151.950-152.000	1W	100g

Note: Above channels are PTT channel frequency.

**Warning**

The antenna in the packing is unique, please do not optional change.

- For safe operation, the antenna for the product shall be used 25mm away from your face, when speaking.
- Switching to other antennas is prohibited and will affect the radio performance.
- Do NOT use any portable radio that has a damaged antenna. If a damaged antenna comes into contact with your skin, a minor burn can result.

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**Warning (CAN)**

Call appareil est conforme aux limites d'exposition SAR conformes pour la norme CEM-102 d'Industrie Canada et a été testé en conformité avec les méthodes de mesure et procédures spécifiées dans l'IEEE 1528 et l'IEEE 8205.

Call appareil doit être installé et utilisé avec une distance minimale de 20 mm entre l'émission et votre corps. Call appareil et sa ou ses antennes ne doivent pas être co-localisés ou fonctionner en conjonction avec tout autre appareil ou transmetteur.

**CAUTION**

Please refer the following websites and Guidance documents for more information on what RF energy exposure is and how to control your exposure to assure compliance with established RF exposure limits (IEEE 1528, Safety Code 6 and www.ic.gc.ca).

**Get Acquainted**

- The battery is not charged in a factory. Please charge the battery before initial use or after long time storage.
- Repeat charging and discharging the battery 2 or 3 times and the battery will reach its maximum capacity, please reduce or charge the battery when it is in low power.
- The quick consume of the power after normal charge shows exhaustion of the battery. Please contact your dealer and buy new approved battery.

**Warning (US)**

- If you do not use any accessories supplied or approved by Retain, ensure the radio and its antenna are at least 1 inch (2.5cm) from your body when transmitting.
- **Advertencia**
- **RISQUE DE ASFIXIA** – Contiene partes pequeñas. No conviene para niños menores de 3 años.
- **Attention**
- **RISQUE D'ÉTOUFFEMENT** – Contient de petits éléments. Ne convient pas aux enfants de moins de 3 ans.
- **Attenzione**
- **RISCHIO DI SOFFOCAMENTO** – Contiene parti di piccole dimensioni. Non adatto a bambini di età inferiore a 3 anni.

**Warning**

**WARNING**

Do not use the radio in areas where there is a risk of explosion or fire. Do not use the radio in areas where there is a risk of explosion or fire. Do not use the radio in areas where there is a risk of explosion or fire.

**Technical Parameters (US)**

General	
Model Name	RT22
Frequency	151.400-151.950
Power	1W
Weight	100g
Dimensions	100x50x20mm
Operating Temperature	-20°C to 60°C
Storage Temperature	-30°C to 70°C
Humidity	10% to 90%
Shock	1000g
Vibration	1000g
EMC	CEM-102
CE Mark	CE
RoHS	RoHS
REACH	REACH
WEEE	WEEE
Recycling	Recycling

**Warning (CAN)**

- International Commission on Non-Ionizing Radiation Protection (ICNIRP) is.
- International Electrotechnical Commission (IEC)2209-2-2010

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**Function Operations**

**Warning (US)**

- Component (crystal, semiconductor, etc) not authorized by the FCC equipment authorization for this radio could violate FCC rules.
- If you wear the radio on your body when transmitting always use Retain approved or approved belt clip, holster, case, or body harness for this product.

**Optional Functions**

- **Time-out timer**
- **Low Battery Warning**
- **Low Battery Warning**

**Warning**

- Do not disassemble, crush, puncture, shred or otherwise attempt to change the form of your battery.
- Do not dry a wet battery or damp battery with an appliance or heat source, such as a hair dryer or microwave oven.
- If the radio battery contact area has been submerged in water, dry and clean the battery contacts before attaching the battery to the radio.

**CAUTION**

- Turn the radio off when charging the battery.
- Do not expose the charger to outside temperatures. Chargers should only be used indoors.
- Do not operate or disassemble the charger. Do not use a charger that has been dropped or damaged in any way.

**Function Operations**

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**Optional Functions**

- **Monitor**
- **PTT and PTT**

**Warning (US)**

- To control your exposure and ensure compliance with the general population or uncontrolled environmental exposure limits, handheld use of this radio should be limited to no more than 50% of the time. This radio generates measurable RF energy exposure when transmitting.
- **WARNING**
- If you wear the radio on your body when transmitting always use Retain approved or approved belt clip, holster, case, or body harness for this product.

**Warning**

- Never alter the AC cord or plug provided with the unit. If the plug will not fit the outlet, have the proper outlet installed by a qualified electrician. An improper outlet can result in a risk of electric shock.
- To reduce the risk of damage to the cord or plug, pull the plug rather than the cord when disconnecting the charger from the AC receptacle.
- To reduce the risk of electric shock, unplug the charger from the outlet before attempting any repairs.
- Use of an attachment not recommended or sold by Echow Solutions may result in a risk of fire, electric shock or personal injury.
- Make sure the cord is located so it will not be stepped on or subjected to damage or stress.

**Warning**

- An extension cord should not be used unless absolutely necessary. Use of an improper extension cord could result in a risk of fire and/or electric shock. If an extension cord must be used, make sure it is a three-pronged cord with the ground prong in the correct position.
- The supply cord of the AC adaptor cannot be replaced if the cord is damaged, call customer service.
- **WARNING**
- The information listed below provides the user with the information needed to make him or her aware of RF exposure, and what to do to be sure that this radio operates within the FCC RF exposure limits of this radio.

**Warning (CAN)**

- This device complies with Industry Canada (Interference) (ICNIRP) is.
- This device may not cause interference, and
- This device must accept any interference, including interference that may cause undesired operation of the device.

**Standard Accessories**

**Warning (US)**

- This product is compliance to FCC RF exposure requirements and refers to FCC method to test the radio for SAR. The radio has been tested and found to comply with the FCC RF exposure limits.
- **WARNING**
- If you wear the radio on your body when transmitting always use Retain approved or approved belt clip, holster, case, or body harness for this product.

**Attaching & Removing**

**Warning**

- Some digital wireless radios may interfere with some hearing aids. In the event of such interference, you may want to consult your hearing aid manufacturer to discuss alternatives.
- If you use any other personal medical device, consult the manufacturer of your device to determine if it is adequately shielded from RF energy. Your physician may be able to assist you in obtaining this information.
- Always check the laws and regulations on the use of mobile phones in the area where you drive. Do not talk on a mobile phone while driving. Do not use a mobile phone while driving. Do not use a mobile phone while driving. Do not use a mobile phone while driving.

**Warning**

- An extension cord should not be used unless absolutely necessary. Use of an improper extension cord could result in a risk of fire and/or electric shock. If an extension cord must be used, make sure it is a three-pronged cord with the ground prong in the correct position.
- The supply cord of the AC adaptor cannot be replaced if the cord is damaged, call customer service.
- **WARNING**
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**Optional Accessories**

**Warnings**

- Before using this two way radio, please read the instructions for use. Do not use the radio if you are not familiar with the instructions for use. Do not use the radio if you are not familiar with the instructions for use. Do not use the radio if you are not familiar with the instructions for use.

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