

radtel RT-910

Radtel RT-910 User Manual

Model: RT-910

1. INTRODUCTION

The Radtel RT-910 is a versatile 5W multi-band handheld ham radio and walkie-talkie, designed for reliable communication across various frequencies. It features 960 programmable channels, AM/FM reception, and a spectrum scan function, making it suitable for a wide range of applications from amateur radio use to outdoor activities and professional environments. This manual provides essential information for setting up, operating, and maintaining your RT-910 radio.





Figure 1: Front view of the Radtel RT-910 Multi-Band Ham Radio.

2. WHAT'S IN THE BOX

Upon opening your Radtel RT-910 package, please verify that all the following items are included:

- 1x RT-910 Main unit
- 1x 2200mAh Li-ion Battery
- 1x Dual band antenna
- 1x Belt Clip
- 1x Type C charging Cable
- 1x Power supply with USB port
- 1x English User Manual (this document)

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3. SETUP

3.1 Battery Installation

1. Ensure the radio is powered off.
2. Align the battery pack with the battery compartment on the back of the radio.
3. Gently slide the battery into place until it clicks securely.
4. To remove, press the battery release latch (if present) and slide the battery downwards.





Figure 2: Rear view of the Radtel RT-910 showing the battery attachment area.

3.2 Antenna Attachment

1. Locate the antenna connector on the top of the radio.
2. Screw the dual-band antenna clockwise onto the connector until it is finger-tight. Do not overtighten.





Figure 3: Top view of the Radtel RT-910, illustrating antenna connection point.

4. OPERATING INSTRUCTIONS

4.1 Power On/Off and Volume

To power on the radio, rotate the top knob clockwise. Continue rotating to increase the volume. Rotate counter-clockwise to decrease volume and power off the device.

4.2 Frequency Tuning and Channel Selection

The RT-910 supports both VFO (Variable Frequency Oscillator) mode for direct frequency input and MR (Memory Recall) mode for channel selection. Use the VFO/MR button to switch between modes. In VFO mode, use the keypad to enter frequencies directly. In MR mode, use the up/down arrow keys to navigate through saved channels.

RT-910



AM/FM RX
5W Power
960 Channel

50-59Mhz TX/RX
65-108Mhz RX
108-136Mhz AM RX
136-260Mhz TX/RX
260-299Mhz RX
300-520Mhz TX/RX



AM



Frequency Copy



960 Channel

Figure 4: Display showing various frequency ranges and key features of the RT-910.

4.3 Channel Grouping & One-Key Copy

The radio allows for quick organization of presets and synchronization of settings across multiple units using the one-key copy function. This feature is particularly useful for quickly setting up multiple radios with the same configuration.

One - Click Copy Frequency

Two or more intercoms Functions for quick search, match and connect operations



Figure 5: Visual representation of the One-Click Copy Frequency feature.



Figure 6: The dedicated buttons for One-Click Copy Frequency on the side of the radio.

4.4 VOX Hands-Free Operation

The Voice-Operated Exchange (VOX) function allows for hands-free transmission. When enabled, the radio will automatically transmit when it detects your voice, eliminating the need to press the Push-To-Talk (PTT) button. This is ideal for situations where your hands are occupied.



Figure 7: The VOX function enables hands-free communication, useful in various scenarios.

4.5 Power Level Adjustment

The RT-910 allows you to switch between High, Medium, and Low power output settings (up to 5W). Adjusting the power level can help conserve battery life when long-range communication is not required.



High/Medium /Low Power Switchable



5W



Figure 8: Power level settings and their impact on communication range in different environments.

4.6 Spectrum Scan and NOAA Weather Alerts

Utilize the spectrum scan feature to identify active frequencies. The radio also supports NOAA weather alerts, providing timely notifications for severe weather conditions, enhancing safety during outdoor activities.

5. MAINTENANCE

5.1 Charging the Battery

The RT-910 features convenient Type-C charging. Connect the provided Type-C charging cable to the radio and a power source (USB wall adapter, vehicle charger, power bank, or PC USB port). The charging indicator will show the charging status.

USB Type-C Charging /Programming



Higher charging efficiency
Support reverse insertion



USB wall adapter



Vehicle charging



Power bank



PC charging

Figure 9: USB Type-C charging options for the Radtel RT-910.



Microphone/Headset

Microphone and Headphones are compatible with RT-910



USB Type-C Charging /Programming

Higher Charging efficiency Support reverse insertion

Figure 10: Detailed view of the microphone/headset and USB Type-C ports.

5.2 Power Save Mode

The radio features adjustable power-saving modes (Normal, Super, Deep) to optimize battery life. These modes control the ratio of sleep and awake cycles during standby. Refer to the radio's menu for specific settings.



Figure 11: Power Save Mode settings to extend battery life.

5.3 General Care

- Keep the radio dry. Avoid exposure to rain, moisture, or liquids.
- Clean the radio with a soft, damp cloth. Do not use harsh chemicals or solvents.
- Store the radio in a cool, dry place when not in use.
- Avoid dropping or subjecting the radio to severe impacts.

6. TROUBLESHOOTING

6.1 Common Issues

Problem	Possible Cause	Solution
Radio does not power on	Low or dead battery; improperly installed battery	Charge the battery; ensure battery is correctly installed.
Poor reception/transmission	Antenna not properly attached; low power setting; obstructions; out of range	Check antenna connection; switch to High power; move to an open area; reduce distance to other radio.
No audio from speaker	Volume too low; external accessory connected	Increase volume; disconnect external speaker/mic.
Keypad unresponsive	Keypad lock enabled	Disable keypad lock (refer to specific key combination in radio's on-screen menu).

6.2 Firmware Update

Periodically, firmware updates may be released to improve performance or add new features. Follow the instructions in the video below to update your RT-910B firmware.

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7. SPECIFICATIONS

Feature	Detail
Brand	radtel
Model Number	RT-910
Item Weight	2.2 pounds
Product Dimensions	1.57 x 2 x 10.62 inches
Batteries	1 9V batteries required (included)
Number of Channels	1024
Frequency Range	144-148Mhz/420-450Mhz
Talking Range Maximum	6 Kilometer
Tuner Technology	UHF/VHF
Voltage	7.4 Volts
Water Resistance Level	Not Water Resistant
Special Feature	Type-C, AM/FM Reception, Spectrum Scan

8. WARRANTY AND SUPPORT

8.1 Warranty Information

The Radtel RT-910 comes with a 1-year manufacturer's warranty. This warranty covers defects in materials and workmanship under normal use. Please retain your proof of purchase for warranty claims.

8.2 Customer Support

For technical assistance, troubleshooting beyond this manual, or warranty inquiries, please contact Radtel customer support. Refer to the contact information provided on the product packaging or the official Radtel website for the most up-to-date support channels.

You can also visit the official Radtel Store on Amazon for more information and product updates[Radtel Store](#).

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page’s manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question