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› Radtel RT-920 Walkie Talkie User Manual

radtel RT-920

Radtel RT-920 Walkie Talkie User Manual

Model: RT-920

INTRODUCTION

The Radtel RT-920 Walkie Talkie is a powerful and versatile handheld two-way radio designed for reliable long-range communication and multi-band performance. This manual provides essential information for the proper setup, operation, and maintenance of your RT-920.

PACKAGE CONTENTS

Upon opening the package, please verify that all items are present:

- 1x RT-920 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)



Image: Radtel RT-920 radio unit, programming cable, and a smartphone displaying the programming app. This image illustrates the main components included with the radio.

SETUP

1. Battery Installation and Charging

1. Align the 2200mAh Li-ion battery with the battery compartment on the back of the RT-920 unit.
2. Gently slide the battery into place until it clicks securely.
3. Connect the Type-C charging cable to the radio's charging port and the other end to the provided power supply with a USB port.
4. Plug the power supply into a standard electrical outlet. The charging indicator on the radio will illuminate.
5. Allow the battery to fully charge before first use.

2. Antenna Attachment

1. Screw the dual-band antenna clockwise onto the antenna connector at the top of the RT-920 unit until it is finger-tight. Do not overtighten.

3. Belt Clip Attachment

1. Align the belt clip with the two screw holes on the back of the radio unit.
2. Secure the belt clip using the provided screws.

OPERATING INSTRUCTIONS

Power On/Off and Volume Control

- To power on the radio, rotate the top-left knob clockwise. Continue rotating to adjust the volume.
- To power off, rotate the knob counter-clockwise until it clicks.

Channel and Frequency Selection

- The RT-920 supports both Channel Mode and Frequency Mode. Use the **Band V/M** button to switch between modes.
- In Channel Mode, use the up/down arrow keys to navigate through programmed channels.
- In Frequency Mode, use the keypad to directly input frequencies or the up/down arrow keys to scan.

Push-to-Talk (PTT) Button

- Press and hold the large button on the left side of the radio to transmit. Release to receive.

Bluetooth Programming

The RT-920 features smart Bluetooth phone programming, allowing for convenient channel setup and customization without a PC or additional cables.

1. Download the official Radtel programming application from your smartphone's app store.
2. Ensure Bluetooth is enabled on your smartphone and the RT-920.
3. Open the app and follow the on-screen instructions to pair with your radio.
4. Once connected, you can manage channels, frequencies, and other settings directly from your phone.



Image: Radtel RT-920 radio next to a smartphone displaying the mobile app programming interface. This highlights the Bluetooth programming capability.

Noise Reduction Feature

The RT-920 incorporates noise reduction technology to filter background interference, ensuring clearer audio even in challenging environments.

NOISE REDUCTION

Noise Environment Noise Reduction



Image: Radel RT-920 radio with sound waves indicating noise reduction in a construction environment. This visualizes the noise reduction capability.

NOAA Weather Alerts

The radio can receive automatic NOAA weather updates and emergency alerts. Refer to the radio's menu for enabling and configuring NOAA weather alert reception.



Image: Radtel RT-920 radio with a lightning storm background and NOAA logo, indicating weather reception. This illustrates the NOAA weather alert feature.

Frequency Replication (Cloning)

This function allows the RT-920 to seek and replicate frequencies and sub-tones from nearby radios for immediate communication. This is useful for quickly matching settings with other radios in your group.

FREQUENCY REPLICATION



(Define PF2/PF3 buttons as
SEARCH from Menu 24-26)



This function is used to seek the frequencies and sub-tones of nearby radios for immediate communication.

Image: Two Radtel RT-920 radios in a mountain setting, illustrating frequency replication. This shows the ability to clone frequencies from other radios.

Air Band Reception

The RT-920 is capable of receiving air band frequencies, providing real-time access to tower commands and aviation communications.

AIR BAND RECEPTION

Real-Time Access To Tower Commands



Image: Radtel RT-920 radio with an airplane in the background, symbolizing air band reception. This highlights the radio's capability to receive aviation communications.

MAINTENANCE

- Keep the radio clean by wiping it with a soft, damp cloth. Do not use harsh chemicals or solvents.
- Ensure the charging port is free of dust and debris.
- Store the radio in a cool, dry place when not in use.
- Avoid exposing the radio to extreme temperatures, direct sunlight, or moisture. The radio is not water resistant.
- Regularly check the antenna and battery connections for secure fit.

TROUBLESHOOTING

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
Radio does not power on.	Battery is not charged or not installed correctly.	Ensure battery is fully charged and properly seated.
Poor audio quality / Static.	Weak signal, antenna loose, or high interference.	Check antenna connection. Move to an area with better signal. Enable noise reduction feature.
Cannot transmit.	Incorrect frequency/channel, PTT button not pressed, or battery low.	Verify frequency/channel settings. Ensure PTT is fully pressed. Charge battery.
Bluetooth programming fails.	Bluetooth not enabled, app issue, or radio not in pairing mode.	Ensure Bluetooth is on for both devices. Restart app and radio. Consult app instructions for pairing mode.

SPECIFICATIONS

Feature	Detail
Model Number	RT-920
Item Weight	1.21 pounds
Product Dimensions	1.57 x 2 x 10.62 inches
Batteries	1 9V batteries required (included)
Number of Channels	960
Frequency Range	144-148Mhz / 420-450Mhz (UHF/VHF)
Multi-Band Reception	SW, MW, LW, CB 27MHz (18-65MHz RX at -121/20dB)
Modulation Modes	AM, FM, SSB
Talking Range Maximum	10 Kilometer
Special Features	Bluetooth programming, Noise Reduction, Type-C charging, AM/FM Reception, Spectrum Analyzer, NOAA Weather Alerts
Voltage	7.4 Volts
Water Resistance Level	Not Water Resistant
Manufacturer	Xiamen Radtel Electronics Co.,Ltd

WARRANTY INFORMATION

The Radtel RT-920 Walkie Talkie comes with a **1-Year Warranty** from the date of purchase. This warranty covers manufacturing defects and malfunctions under normal use. It does not cover damage caused by misuse, accidents, unauthorized modifications, or exposure to water. Please retain your proof of purchase for warranty claims.

SUPPORT

For technical support, troubleshooting assistance, or warranty inquiries, please contact Radtel customer service. Refer to the official Radtel website or your purchase documentation for the most current contact information. You may also visit the [Radtel Store on Amazon](#) for additional product information and resources.

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