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› [radtel](#) /

› [Radtel RT-518 FRS Two-Way Radio Instruction Manual](#)

## radtel RT518

# Radtel RT-518 FRS Two-Way Radio Instruction Manual

This manual provides detailed instructions for the setup, operation, and maintenance of your Radtel RT-518 FRS Two-Way Radios. Learn how to use its 22 channels, VOX function, and rechargeable features for effective communication.

## 1. INTRODUCTION

The Radtel RT-518 is a compact and rechargeable FRS (Family Radio Service) two-way radio designed for reliable communication. Featuring 22 channels and hands-free VOX operation, it is suitable for various outdoor activities and professional use. This manual will guide you through its features and proper usage.

## 2. PACKAGE CONTENTS

Verify that all items are present in your package:

- Radtel RT-518 Two-Way Radios (quantity as purchased, e.g., 8-pack)
- Rechargeable Lithium-Ion Batteries
- USB Charging Cables
- Belt Clips
- Earpieces with Push-to-Talk (PTT) button
- User Manual

# RT518 22CH FRS Walkie Talkies

License free, Support team communication



Always  
Connected



Mountain to Valley: Up to 12 miles



Open air: Up to 4 miles



City or town: Up to 2 miles

Image: Contents of the Radtel RT-518 package, showing multiple radios and accessories.

## 3. PRODUCT OVERVIEW

The Radtel RT-518 features a compact design with essential controls for easy operation.



Image: Detailed side view of the RT-518 radio, highlighting its buttons and ports.

## Key Features:

- **22 FRS Channels:** Provides a wide range of communication options.
- **Hands-free VOX Function:** Allows voice-activated transmission without pressing the PTT button.
- **Rechargeable via USB:** Convenient charging using standard USB power sources.
- **Durable Construction:** Made from PC+ABS material for drop-protection.
- **Water Resistance:** Designed to be water-resistant for outdoor use.
- **Compact Size:** Small and lightweight for easy portability.

## PC+ABS MATERIAL MAKE IT HARD AND DURABLE



Image: Visual representation of the RT-518's durability and key functions.

## 4. SETUP

### 4.1. Battery Installation and Charging

1. Open the battery compartment cover on the back of the radio.
2. Insert the Lithium-Ion battery, ensuring correct polarity as indicated inside the compartment.
3. Close the battery compartment cover securely.
4. Connect the USB charging cable to the radio's charging port (USB-C) and to a power source (e.g., USB wall adapter, power bank, computer USB port).
5. The indicator light will show charging status (e.g., red for charging, green for fully charged).



Image: Battery compartment of the RT-518, illustrating battery insertion.



Image: The RT-518 radio being charged via a USB-C cable connected to a laptop.

## 4.2. Attaching the Earpiece

For private communication or hands-free operation, connect the provided earpiece to the audio jack on the side of the radio. Ensure it is securely plugged in.

Your browser does not support the video tag.

Video: Demonstrates the physical features of the Radtel RT-518 radio, including button functions, ports, and battery compartment. It also shows how to connect the earpiece and charge the device.

## 5. OPERATING INSTRUCTIONS

### 5.1. Power On/Off

To power on the radio, press and hold the power button (usually the top button on the side) until you hear a voice prompt or see the indicator light. To power off, press and hold the same button.

### 5.2. Channel Selection

The RT-518 has 22 FRS channels. Use the Up/Down arrow buttons on the side to change channels. The radio will announce the channel number.

### 5.3. Adjusting Volume

Use the Up/Down arrow buttons to adjust the listening volume. The volume level will be indicated by a voice prompt.

### 5.4. Transmitting and Receiving

- **To Transmit:** Press and hold the large Push-to-Talk (PTT) button on the front of the radio. Speak clearly into the microphone. Release the PTT button to stop transmitting.
- **To Receive:** Ensure the PTT button is not pressed. The radio will automatically receive transmissions on the selected channel.

### 5.5. VOX Function (Hands-Free Operation)

The VOX function allows you to transmit without pressing the PTT button. When activated, the radio will transmit when it detects your voice. This feature may require programming for specific sensitivity levels.



Image: Illustration of the VOX function, showing a user communicating hands-free while cycling.

### 5.6. Communication Range

The communication range varies based on terrain and obstructions:

- **Open Air (without obstruction):** Up to 10 miles.
- **Woods:** 4-5 miles.
- **Town or City:** 2-3 miles.



Image: Diagram illustrating the effective communication range of the RT-518 in various environments.

## 6. MAINTENANCE

- Keep the radio clean by wiping it with a soft, damp cloth. Do not use harsh chemicals or solvents.
- Ensure the charging port cover is securely closed when not charging to maintain water resistance.
- Store the radio in a cool, dry place when not in use.
- Charge batteries regularly to maintain optimal performance, even if not used frequently.

## 7. TROUBLESHOOTING

Problem	Possible Cause	Solution
No power	Battery depleted or incorrectly installed.	Charge the battery or re-install it with correct polarity.
Cannot transmit or receive	Different channels, out of range, or low battery.	Ensure all radios are on the same channel. Move closer to other radios. Charge battery.
Poor audio quality	Weak signal, interference, or earpiece issue.	Move to an area with fewer obstructions. Check earpiece connection. Adjust volume.

## 8. SPECIFICATIONS

Feature	Detail
Model Number	RT518
Number of Channels	22 FRS Channels
Frequency Range	462/467 MHz
Power Source	Lithium Ion batteries (included)
Charging	USB-C
Special Features	Handsfree VOX, Water-resistant, Dustproof
Item Weight	4.2 pounds (for 8-pack)
Package Dimensions	12.4 x 10.67 x 6.65 inches
FCC ID	2AZSA-RT518

## 9. WARRANTY AND SUPPORT

For warranty information and customer support, please refer to the documentation included with your purchase or visit the official Radtel website. Keep your proof of purchase for warranty claims.

**FCC Compliance:** This device complies with Part 95 of the FCC Rules. Operation is subject to the condition that this device does not cause harmful interference.