

Manuals+

[Q & A](#) | [Deep Search](#) | [Upload](#)

manuals.plus /

› [Radtel](#) /

› [Radtel RT16 FRS Two Way Radio Instruction Manual](#)

Radtel RT16

Radtel RT16 FRS Two Way Radio Instruction Manual

Model: RT16

1. INTRODUCTION

The Radtel RT16 FRS Two Way Radio is designed for reliable, license-free communication across 16 channels. Featuring a durable build, USB-C charging, and VOX functionality, it is suitable for various environments from outdoor activities to commercial settings.

Package Contents

Your Radtel RT16 package includes:

- 2x Radtel RT16 Two Way Radios
- 2x Rechargeable Lithium-Ion Batteries (2000mAh)
- 2x Belt Clips
- 2x USB-C Charger Cables
- 2x Earpieces
- 1x User Manual



Image 1.1: Radtel RT16 Two Way Radios and included accessories.

2. SETUP

2.1 Battery Installation

1. Ensure the radio is powered off.
2. Locate the battery compartment on the back of the radio.
3. Slide the battery into the compartment until it clicks securely into place.



Image 2.1: Battery compartment and belt clip attachment.

2.2 Belt Clip Attachment

1. Align the belt clip with the designated slots on the back of the radio.
2. Push the clip firmly until it locks into position.

2.3 Charging the Battery

The RT16 radios feature convenient USB-C charging. Use the provided USB-C cable to charge the radio. The charging port is located at the bottom of the radio.

1. Connect the USB-C cable to the charging port on the radio.
2. Connect the other end of the cable to a compatible USB power source (e.g., phone charger, power bank, car adapter).
3. The indicator light on the radio will show charging status (refer to the LED indicator section for details).



Image 2.2: USB-C charging options for the RT16.

3. OPERATING INSTRUCTIONS

3.1 Power On/Off and Volume Control

To power on the radio, rotate the top-left knob clockwise until you hear a click and a voice prompt indicating the current channel. Continue rotating to adjust the volume. To power off, rotate the knob counter-clockwise until it clicks off.

3.2 Channel Selection

The RT16 has 16 available channels. To select a channel, rotate the top-right knob. The radio will announce the selected channel number.

USAGE SCENARIO



Image 3.1: Top view of the RT16 showing power/volume and channel knobs.

3.3 Push-to-Talk (PTT) Button

To transmit your voice, press and hold the large button on the side of the radio. Release the button to listen.

3.4 Headset Connection

The radio supports a 2-pin K-connector headset for hands-free operation. Open the rubber cover on the side of the radio and plug in the headset connectors.



Image 3.2: Headset connection port on the RT16.

3.5 Voice Operated Exchange (VOX) Function

The VOX function allows for hands-free transmission without pressing the PTT button. The radio will automatically transmit when it detects your voice. This feature requires software activation for first use and offers 9 adjustable levels.



Image 3.3: Illustration of VOX function for hands-free use.

Activating VOX Mode

To activate VOX mode, hold down the small side button while powering on the radio. Continue holding until you hear a beep indicating activation.



Video 3.1: Demonstrates how to activate the voice control (VOX) mode on the Radtel RT16 radio.

Deactivating VOX Mode

To deactivate VOX mode, hold down the small side button while powering on the radio. Continue holding until you hear two beeps, confirming deactivation.



Video 3.2: Demonstrates how to deactivate the voice control (VOX) mode on the Radtel RT16 radio.

3.6 Language Switch Operation

The radio supports both Chinese and English voice prompts. To switch the language, turn the channel knob to channel 16. Then, power off the radio. While powering on, hold down the small side button until you hear a beep. This will switch the language mode.

Video 3.3: Instructions for switching between Chinese and English voice prompts on the Radtel RT16 radio.

4. MAINTENANCE

- Keep the radio clean by wiping it with a soft, damp cloth. Avoid using harsh chemicals or solvents.
- Do not immerse the radio in water as it is not water resistant.
- Store the radio in a cool, dry place when not in use.
- Ensure the USB-C port cover is securely closed to prevent dust and moisture ingress.

5. TROUBLESHOOTING

Problem	Possible Cause	Solution
No power	Battery low or not installed correctly.	Charge the battery or re-install it securely.
Cannot communicate with other radios	Radios are on different channels or out of range.	Ensure both radios are on the same channel. Move closer to the other radio. Check for obstructions.
Poor audio quality	Weak signal, interference, or low volume.	Adjust volume. Move to an area with fewer obstructions. Change channel if interference is present.
VOX not working	VOX not activated or sensitivity too low.	Activate VOX mode (see Section 3.5). Adjust VOX sensitivity level via programming software.

6. SPECIFICATIONS

Feature	Detail
Brand	Radtel
Model Number	RT16
Number of Channels	16
Frequency Range	462/467 MHz (FRS Band)
Talking Range Maximum	Up to 5 Kilometers (open outdoor areas)
Output Power	2W
Battery Type	Lithium Ion (2000mAh)
Charging	USB-C
Special Features	Long Range, Type-C rechargeable battery, VOX Function, Channel Scan

Feature	Detail
Water Resistance Level	Not Water Resistant
Product Dimensions	1.37"D x 2.16"W x 5.9"H
Item Weight	0.39 Pounds
Compatible Devices	Other FRS two-way radios, Standard earpieces

7. WARRANTY

The Radtel RT16 FRS Two Way Radio comes with a 1-Year Warranty from the manufacturer, Xiamen Radtel Electronics Co.,Ltd.

8. SUPPORT

For further assistance or to explore other Radtel products, please visit the official Radtel Store:

[Radtel Official Store](#)

