

Retevis RT76P

Retevis RT76P GMRS Two-Way Radio User Manual

Model: RT76P

1. INTRODUCTION

The Retevis RT76P is a high-power GMRS two-way radio designed for reliable long-range communication. Featuring an LCD display, NOAA weather alert, VOX functionality, and a robust design, it is suitable for various outdoor activities such as camping and hiking, as well as professional use. This manual provides detailed instructions for the proper setup, operation, and maintenance of your RT76P radio.

2. WHAT'S IN THE BOX

Upon unpacking your Retevis RT76P, please ensure all the following components are present:

- 1 x RT76P GMRS Two-Way Radio
- 1 x Rechargeable Lithium-Ion Battery (1400 mAh)
- 1 x Belt Clip
- 1 x Hand Strap
- 1 x User's Manual
- 1 x Desktop Charger with USB Charging Port



Figure 2.1: Package Contents of the Retevis RT76P

3. PRODUCT OVERVIEW

Familiarize yourself with the physical components of your Retevis RT76P radio.

3.1 Radio Components





Figure 3.1: Front View of Retevis RT76P in Charging Base

- **Antenna:** For transmitting and receiving signals.
- **Volume Knob:** Controls the audio output level.
- **Channel Selector Knob:** Used to change communication channels.

- **PTT (Push-to-Talk) Button:** Press and hold to transmit, release to receive.
- **LCD Display:** Shows channel number, frequency, battery status, and other settings.
- **Keypad:** For direct channel entry, menu navigation, and function activation.
- **Accessory Port:** For connecting external audio accessories like headsets or programming cables.



Figure 3.2: Multiple Views of the RT76P Radio



Q: How to set wide mode on gmrs channels?

A: For RT76P GMRs walkie talkie, you can set wide mode on gmrs channels by software

Q: Is the antenna removable?

A: The antenna of RT76P GMRs radio is fixed, not removable.

Q: Can RT76P talk to other walkie-talkies?

A: Retevis RT76P 2 Way Radio is GMRs Radio with 30channels, they can communicate with each other on the same channel and CTCSS/DCS out of box

Figure 3.3: RT76P Radio Dimensions

4. SETUP

4.1 Battery Installation

1. Align the battery pack with the grooves on the back of the radio.
2. Slide the battery pack upwards until it clicks securely into place.
3. To remove, press the release latch (if present) and slide the battery downwards.

4.2 Charging the Battery

Before first use, fully charge the battery. The RT76P uses a 1400 mAh Lithium-Ion battery.

1. Connect the USB charging cable to the desktop charger and a compatible USB power source.
2. Place the radio (with battery installed) into the charging slot of the desktop charger.
3. The charging indicator light will typically show red during charging and turn green when fully charged.
4. A full charge usually takes several hours.



Figure 4.1: RT76P with Key Features Highlighted

5. OPERATING INSTRUCTIONS

5.1 Power On/Off and Volume

1. To power on, rotate the Volume knob clockwise until you hear a click.
2. Continue rotating to adjust the listening volume.
3. To power off, rotate the Volume knob counter-clockwise until you hear a click.

5.2 Channel Selection

The RT76P has 30 GMRS channels. You can select channels using the Channel Selector knob or by entering the

channel number directly via the keypad.



Figure 5.1: RT76P Keypad and Display

5.3 Transmitting and Receiving

1. Ensure the radio is powered on and on the desired channel.
2. To transmit, press and hold the PTT button. Speak clearly into the microphone.
3. Release the PTT button to stop transmitting and return to receive mode.

5.4 NOAA Weather Alert

The RT76P includes NOAA weather alert functionality. You can activate and select NOAA channels directly from the radio's menu.

1. Press the **MENU** button to access the radio's menu.
2. Navigate through the menu options to find the NOAA setting.
3. Select the desired NOAA channel for weather alerts.

5.5 VOX Function (Voice Operated Exchange)

VOX allows for hands-free operation, transmitting automatically when it detects your voice. You can adjust the sensitivity from 0-10 levels.

1. Press the **MENU** button.
2. Navigate to the VOX setting.
3. Use the arrow keys or keypad to select a sensitivity level (0 for off, 10 for highest sensitivity).
4. Confirm your selection.

5.6 CTCSS and DCS Tones

CTCSS (Continuous Tone-Coded Squelch System) and DCS (Digitally Coded Squelch) tones help filter out unwanted conversations on a channel. You can enable or disable these for each channel via the screen and buttons.

1. Select the desired channel.
2. Press the **MENU** button.
3. Navigate to the CTCSS or DCS settings for the current channel.
4. Select the desired tone or disable it.

Note: To cancel all preset CTCSS tones, press and hold "PTT + 9" together while turning on the radio. You will hear "off" indicating the tones are canceled.

5.7 Squelch Levels

The RT76P offers 0-9 levels of squelch to filter out background noise. Level 0 means no squelch (all noise heard), and level 9 is the highest squelch (only strong signals heard).

1. Press the **MENU** button.
2. Navigate to the Squelch (SQL) setting.
3. Adjust the level using the arrow keys or keypad.

6. MAINTENANCE

- **Cleaning:** Use a soft, damp cloth to clean the radio's exterior. Do not use harsh chemicals or solvents.
- **Battery Care:** Avoid fully discharging the battery frequently. Store the radio and battery in a cool, dry place when not in use for extended periods.
- **Antenna:** The antenna is fixed and not removable. Do not attempt to forcibly remove or replace it.
- **Water Resistance:** The RT76P is not water-resistant. Avoid exposure to rain or moisture.

7. TROUBLESHOOTING

If you encounter issues with your RT76P radio, refer to the following common problems and solutions:

Problem	Possible Cause / Solution
Radio does not power on.	Battery is not installed correctly or is discharged. Ensure battery is securely attached and fully charged.
Cannot communicate with other radios.	Ensure both radios are on the same channel and have matching CTCSS/DCS tones (if enabled). Check battery levels.

Problem	Possible Cause / Solution
Poor audio quality or static.	Adjust squelch level. Ensure you are within range. Check for obstructions.
Low battery alarm sounds.	Recharge the battery immediately.
Cannot change certain settings (e.g., bandwidth).	Some advanced settings, like bandwidth (Narrow/Wide), may require programming software. Contact Retevis support for the latest software and firmware updates.
Unwanted conversations on a channel.	Enable CTCSS/DCS tones for your channel. If preset tones are causing issues, perform the "PTT + 9" reset to cancel them.

8. SPECIFICATIONS

Feature	Specification
Model Number	FA9180B-C9034A
Item Weight	10.6 ounces (300 Grams)
Product Dimensions	10.43 x 6.69 x 2.08 inches
Batteries	1 Lithium Ion battery required (included)
Display Type	LCD
Number of Channels	30
Special Feature	3 Colors Backlight, High Power
Frequency Range	GMRS
Voltage	7.4 Volts
Water Resistance Level	Not Water Resistant
Manufacturer	Retevis

9. WARRANTY AND SUPPORT

9.1 Warranty Information

Retevis provides a 2-year warranty for the radio body and a 1-year warranty for accessories. A 30-day return policy is also offered. For issues beyond the warranty period, maintenance services are available, with corresponding costs to be afforded by the buyer.

9.2 Customer Support

For any questions, technical assistance, or warranty claims, please contact Retevis customer support on Amazon. They aim to reply within 12 hours.

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