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Retevis RB58

Retevis RB58 Flagship Business Walkie Talkies User Manual

Model: RB58 | Brand: Retevis

1. INTRODUCTION

This manual provides detailed instructions for the operation, maintenance, and troubleshooting of your Retevis RB58 Flagship Business Walkie Talkies. The RB58 is designed for reliable and efficient communication in various business environments, featuring IP54 water resistance, noise cancellation, Bluetooth connectivity, and a customizable APP for settings management.



Figure 1.1: Retevis RB58 Walkie Talkies (4-Pack)

2. What's Included

The Retevis RB58 package typically includes the following components:

- 4 x RB58 Two-Way Radios
- 4 x 1800mAh Lithium-Ion Batteries
- 4 x Type-C Charging Cables
- 4 x Hand Straps
- 4 x Belt Clips
- 1 x User Manual

Package Includes



			
RB58 walkie talkie x4	Battery x4	Hand strap x4	Belt clip x4
			
	Type-C charging cable x4	User manual x4	Adapter x4

Figure 2.1: Package Contents

3. SETUP

3.1 Battery Installation and Charging

The RB58 walkie talkies come with 1800mAh Lithium-Ion batteries. Before first use, ensure the batteries are fully charged.

1. Align the battery with the battery compartment on the back of the radio.
2. Gently push the battery into place until it clicks securely.
3. To charge, connect the provided Type-C charging cable to the radio's charging port and then to a compatible USB power adapter.
4. The charging indicator on the radio will show the charging status. A full charge typically takes 4-5 hours.



Figure 3.1: Type-C Charging

3.2 Initial Power On

After installing and charging the battery, turn the power/volume knob clockwise to power on the radio. Adjust the knob to set the desired volume level.

3.3 APP Customization

The RB58 supports customization via an Android application. This allows for flexible channel settings and compatibility adjustments.

- Download the official RETEVIS APP from the Android app store.
- Connect your RB58 radio to your Android device via Bluetooth.
- Use the APP to configure channel settings, adjust parameters, and manage compatibility issues.

APP Control



Use the Android phone to edit the radio setting easily



Android



Figure 3.2: APP Control Interface

4. OPERATING INSTRUCTIONS

4.1 Basic Communication

To transmit, press and hold the Push-to-Talk (PTT) button on the side of the radio. Speak clearly into the microphone. Release the PTT button to receive.

4.2 Channel Selection

The RB58 features 256 customizable channels. Use the radio's menu or the RETEVIS APP to select and manage channels. Ensure all radios in your group are on the same channel for communication.

4.3 Group Call

The one-key group call feature allows for instant team-wide alerts and enhanced coordination. Refer to the APP customization section for setting up group call functions.



Figure 4.1: Group Communication

4.4 VOX (Voice-Activated Transmission)

The VOX function enables hands-free communication. When activated, the radio transmits automatically when it detects your voice, eliminating the need to press the PTT button.

4.5 NOAA Weather Alerts

Stay informed about weather conditions with integrated NOAA weather alerts. This feature provides timely notifications of storms and other critical weather events.



Figure 4.2: Weather Alert Feature

4.6 Emergency Features

The RB58 includes safety features such as remote/local alarm and lone worker mode to ensure quick response in emergencies. Consult the user manual for detailed activation and usage of these features.

5. KEY FEATURES OVERVIEW

- **Wireless Connectivity (Bluetooth 5.0):** Offers faster transmission speed and lower delay, supporting connections with mobile phones and wireless headphones.

Wireless 5.0



Compatible with mobile phones and wireless headphones



Figure 5.1: Wireless 5.0 Connectivity

- **High Power Output & Long Range:** 2W high power output with UHF frequency support and repeater compatibility ensures stable, long-distance communication, reaching up to 300,000 sq. ft or 25 floors under ideal conditions.

Long Range Communication

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High power makes communication smooth over a distance



Figure 5.2: Long Range Communication

- **AI Noise Cancellation:** Two-way noise reduction (transmit & receive) filters out background noise, delivering clear voice communication even in loud environments.

Two-way Noise Reduction

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Recognize the human voice to communicate clearly in noisy environments



Figure 5.3: Two-way Noise Reduction

- **Longer Battery Life:** The 1800mAh battery provides up to 18 hours of continuous use and up to 4 days of standby time. It fully recharges in 4-5 hours.



Figure 5.4: Battery Life and Charging

- **Durable & Reliable Build:** IP54 waterproof and shock-resistant ABS casing ensures the radio can withstand drops, rain, and rough handling.
- **1.77-inch LCD Display:** Provides clear information and features 15-level brightness adjustment for optimal visibility in various lighting conditions.



Figure 5.5: Easy to Operate LCD

6. MAINTENANCE

6.1 Cleaning

Regularly clean the radio's exterior with a soft, damp cloth. Do not use harsh chemicals or abrasive cleaners. Ensure the charging port and battery contacts are free of dust and debris.

6.2 Battery Care

To prolong battery life, avoid fully discharging the battery frequently. Store the radio and batteries in a cool, dry place when not in use for extended periods. Recharge batteries periodically if stored for a long time.

6.3 Storage

When storing the radio, especially for long durations, remove the battery. Store the radio in a dry, dust-free environment away from direct sunlight and extreme temperatures.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Radio does not power on.	Battery is not installed correctly or is discharged.	Ensure battery is securely installed. Charge the battery fully.
Cannot communicate with other radios.	Radios are on different channels or out of range.	Verify all radios are on the same channel. Move closer to other radios. Check for obstructions.
Poor audio quality or static.	Weak signal, interference, or high background noise.	Move to an area with better signal. Utilize AI noise cancellation feature. Adjust volume.
Battery life is shorter than expected.	Frequent transmission, high volume, or aging battery.	Reduce transmission time. Lower volume. Consider replacing the battery if it's old.

8. SPECIFICATIONS

Feature	Detail
Model Number	RB58
Item Weight	3.16 pounds (for 4-pack)
Product Dimensions	1.1 x 2.2 x 4.5 inches (per radio)
Battery Type	1800mAh Lithium Ion (included)
Number of Channels	256
Frequency Range	UHF
Water Resistance Level	IP54 Water Resistant
Special Feature	APP setting, Bluetooth 5.0, AI Noise Cancellation, NOAA Weather Alert, VOX
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. Additionally, a 30-day no-reason return policy is offered. For service beyond the warranty period, maintenance services are available, with buyers responsible for associated costs.

9.2 Customer Support

For any inquiries, technical assistance, or warranty claims, please contact Retevis customer support directly through Amazon. Responses are typically provided within 12 hours.

For more information, visit the official Retevis store on Amazon:[Retevis Store](#)

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