

[Manuals.plus](#) /

› [Retevis](#) /

› Retevis B63H Two-Way Radio User Manual

Retevis B63H

Retevis B63H Two-Way Radio User Manual

Model: B63H

1. INTRODUCTION

This manual provides detailed instructions for the safe and efficient operation of your Retevis B63H two-way radio. Please read this manual thoroughly before using the device to ensure proper functionality and to prevent damage.

2. PACKAGE CONTENTS

Verify that all items are present in your package:

- 2 x Retevis B63H Walkie Talkies
- 2 x Earpieces
- 2 x Belt Clips
- 1 x USB Type-C Charging Cable
- User Manual (this document)

PACKAGE DETAILS



Image: Package contents including two B63H walkie talkies, two belt clips, and one charging cable.

3. PRODUCT OVERVIEW

The Retevis B63H is a compact and lightweight two-way radio designed for reliable communication. Key features include a hidden display, 1620mAh battery, VOX hands-free operation, and Type-C charging.

3.1. Key Features

- **Ultra-Slim Design:** 15mm thickness and 103g weight for easy portability.
- **Shatterproof Hidden Display:** Provides clear channel and battery information while protecting the screen.
- **1620mAh Battery:** Offers 18-24 hours of working time and 49 hours of standby time.
- **Type-C Charging:** Convenient and widely compatible charging interface.
- **VOX Hands-Free:** Allows transmission without pressing the PTT button.
- **Emergency Alarm:** Activates an alarm function for urgent situations.
- **CTCSS/DCS Codes:** 260 codes ensure secure communication.
- **PMR446 License-Free:** Compatible with other PMR446 two-way radios.

3.2. Physical Components

SHATTERPROOF HIDDEN DISPLAY

Easy to get the current channel and function operations



Image: The Retevis B63H walkie talkie featuring its hidden display, which becomes visible when active.

The hidden display is integrated into the device's front panel, becoming visible only when active, protecting it from scratches and wear.

LIGHTWEIGHT AND ULTRA-SLIM

15mm thickness and 103g weight is easy to carry around

15 mm



Image: The compact and ultra-slim design of the B63H, shown next to a smartphone for scale, highlighting its portability.

The radio measures 15mm in thickness and weighs 103g, making it easy to carry.

4. SETUP

4.1. Charging the Battery

The Retevis B63H is equipped with a 1620mAh lithium-ion battery. Before first use, fully charge the device.

1. Locate the Type-C charging port on the side of the radio.
2. Connect the provided USB Type-C charging cable to the radio and a compatible USB power source (e.g., wall adapter, computer USB port).
3. The battery indicator on the hidden display will show charging status. A full charge typically takes 3-4 hours.

1620MAH BATTERY



Working Time: 24h (5-5-90)



Standby Time: 49h



Image: Charging the B63H walkie talkies using the Type-C port. The battery icon indicates charging progress.

A fully charged battery provides approximately 18-24 hours of working time and up to 49 hours of standby time.

4.2. Attaching the Belt Clip

To attach the belt clip, align it with the designated slot on the back of the radio and slide it into place until it clicks securely.

4.3. Connecting Earpieces

Insert the earpiece plug into the audio jack located next to the Type-C charging port for private listening and hands-free communication.

5. OPERATING INSTRUCTIONS

The Retevis B63H is designed for straightforward operation.

5.1. Power On/Off and Volume Control

1. To power on the radio, rotate the top knob clockwise. You will hear an audible confirmation.
2. To power off, rotate the knob counter-clockwise until it clicks.

3. Adjust the volume by rotating the same knob clockwise to increase and counter-clockwise to decrease.

5.2. Channel Selection

The radio supports 16 channels within the 446.0-446.2MHz frequency range.

1. Use the channel up/down buttons (typically located below the PTT button) to select your desired channel.
2. The selected channel number will be displayed on the hidden screen.
3. Ensure all radios in your group are set to the same channel for communication.

EASY TO OPERATE

No license and complex settings, use walkie talkie out of box



Image: Overview of the radio's controls, including power, channel selection, PTT, and battery indicator.

5.3. Transmitting and Receiving

1. To transmit, press and hold the Push-To-Talk (PTT) button located on the side of the radio.
2. Speak clearly into the microphone (located near the bottom of the radio).
3. Release the PTT button to stop transmitting and listen for a response.
4. When receiving, the radio will automatically play the incoming audio.

5.4. VOX (Voice Operated Exchange) Function

The VOX function allows for hands-free transmission, activating the microphone when it detects your voice.

1. To activate/deactivate VOX, refer to the specific button combination or menu option in the full programming guide (if applicable).
2. When VOX is active, speak into the microphone to transmit without pressing PTT.
3. Adjust VOX sensitivity if needed to prevent accidental transmissions or missed voice activations.



Image: The VOX hands-free feature allows voice-activated transmission without manual button presses.

5.5. Emergency Alarm Function

The emergency alarm can be activated to signal for help in urgent situations.

1. Long press the designated emergency alarm button (refer to your device's specific button layout, often a 'down' key or a dedicated function button) for approximately 3 seconds.
2. The radio will emit an alarm sound and/or transmit an alert signal to other radios on the same channel.

EMERGENCY ALARM

Long press the down key about 3s to turn on the function



Image: Activating the emergency alarm function on the B63H radio to signal for assistance.

5.6. CTCSS/DCS Codes

CTCSS (Continuous Tone-Coded Squelch System) and DCS (Digitally Coded Squelch) codes help filter out unwanted conversations from other users on the same channel, enhancing communication privacy.

- Your radio supports 260 CTCSS/DCS codes.
- To communicate privately with a group, all radios must be set to the same channel and the same CTCSS/DCS code.
- Refer to the full programming guide for instructions on setting CTCSS/DCS codes.

CTCSS/DCS

260 CTCSS/DCS codes ensures communication security



Image: CTCSS/DCS codes enhance communication security and privacy by filtering unwanted signals.

6. MAINTENANCE

6.1. Cleaning

Wipe the radio with a soft, damp cloth. Do not use harsh chemicals or abrasive cleaners. Ensure the charging port cover is closed when not charging to prevent dust and moisture ingress.

6.2. Battery Care

- Avoid fully discharging the battery frequently.
- Store the radio in a cool, dry place when not in use for extended periods.
- Charge the battery at least once every three months to maintain its lifespan.

6.3. Environmental Conditions

The Retevis B63H is not waterproof. Avoid exposing it to rain, splashes, or high humidity. Operate within the specified temperature range of -20°C to 60°C.

7. TROUBLESHOOTING

Common Issues and Solutions

Problem	Possible Cause	Solution
No power	Low battery; Radio not turned on.	Charge the battery; Rotate the power/volume knob clockwise to turn on.
Cannot transmit or receive	Incorrect channel; Out of range; Low battery.	Verify both radios are on the same channel; Move closer to the other radio; Charge the battery.
Poor audio quality	Weak signal; Obstructions; Volume too low/high.	Move to an open area; Adjust volume.
VOX not activating	VOX sensitivity too low; VOX off.	Adjust VOX sensitivity; Ensure VOX is enabled.

If you encounter issues not listed here, please contact Retevis customer support.

8. SPECIFICATIONS

- **Model:** B63H
- **Brand:** Retevis
- **Color:** Black
- **Number of Channels:** 16
- **Frequency Range:** 446.0-446.2MHz (PMR446)
- **Maximum Communication Range:** 2.5 Kilometers (under optimal conditions)
- **Battery Capacity:** 1620mAh Lithium-ion
- **Working Time:** 18-24 hours
- **Standby Time:** 49 hours
- **Charging Type:** USB Type-C
- **Special Features:** Hidden display, VOX, Emergency Alarm
- **Dimensions (D x W x H):** 15D x 15W x 55H millimeters
- **Item Weight:** 103 Grams
- **Voltage:** 3.7V
- **Water Resistance Level:** Not water resistant
- **Noise Level:** 40 Decibels
- **Operating Temperature:** -20°C to 60°C
- **Included Components:** 2 x Walkie Talkie, 2 x Earpiece

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, there is a 30-day return policy without specific reason required.

After the warranty period, maintenance services are still offered, with corresponding costs to be covered by the buyer.

9.2. Customer Support

For any questions, issues, or support needs, please contact Retevis customer service via Amazon. Responses are typically provided within 12 hours.

You can visit the official Retevis store for more information:[Retevis Store on Amazon](#)

10. IMPORTANT SAFETY INFORMATION

- Do not operate the radio in explosive atmospheres (e.g., flammable gases, dust, vapors).
- Do not disassemble or modify the radio. Repairs should only be performed by authorized personnel.
- Keep the radio away from medical devices, as it may interfere with their operation.
- Use only approved batteries and chargers.
- Avoid prolonged exposure to direct sunlight or extreme temperatures.

© 2024 Retevis. All rights reserved.

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