

[Manuals.plus](#) /

> [BAOFENG](#) /

> BAOFENG UV-5R 8W Ham Radio Handheld Instruction Manual

BAOFENG UV-5R

BAOFENG UV-5R 8W Ham Radio Handheld Instruction Manual

Model: UV-5R

1. INTRODUCTION

This instruction manual provides essential information for the safe and effective use of your BAOFENG UV-5R 8W Ham Radio Handheld. Please read this manual thoroughly before operating the device to ensure proper functionality and to prevent damage. This radio is designed for outdoor work, emergency operations, tactical training, and outdoor group activities, offering reliable communication in various scenarios.

2. WHAT'S IN THE BOX

Your BAOFENG UV-5R package includes the following components:

- 4 x BAOFENG UV-5R 8W Ham Radios
- 4 x 1800mAh Rechargeable Batteries
- 4 x Handheld Speaker Microphones
- 4 x 771 Antennas
- 4 x USB Charging Cables
- 1 x CH340 USB Programming Cable
- 4 x Headsets for Private Communication



Figure 2.1: Included components in the BAOFENG UV-5R 4-pack kit.

3. PRODUCT FEATURES

The BAOFENG UV-5R 8W Ham Radio Handheld offers a range of features for versatile communication:

- **High Power Output:** 8W for extended communication range.
- **Dual Band Operation:** Supports VHF (144-148MHz) and UHF (420-450MHz) for transmission, and VHF (136-174 MHz) and UHF (400-480 MHz) for reception.
- **Dual Display & Dual Standby:** Monitor two frequencies simultaneously.
- **128 Channels:** Ample storage for your preferred frequencies.
- **Enhanced Audio:** High-quality speaker microphone for clear voice transmission, even in noisy environments.
- **Multiple Functions:** Includes Battery Saver Mode, Call Alert, Emergency Alarm, VOX (Voice Operated Exchange), Scan, Monitor, Squelch, and a built-in Flashlight.
- **Programming Capability:** Easily program channels and settings via a Windows computer using the included CH340 USB programming cable and software.
- **USB Charging:** Convenient charging via power bank, car charger, or laptop.
- **Compatibility:** Fully compatible with other BAOFENG models such as BF-F8HP, BF-UV82, BF UV-9R PRO, and TP-8Plus.
- **Water Resistance:** IP54 rated for water resistance.



Figure 3.1: Key features of the BAOFENG UV-5R.



8 Watt High Power Farther Talking Range



Figure 3.2: 8W high power for farther talking range.



Figure 3.3: Long antenna for improved signal range and distance.

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 into place.
3. To remove, press the battery release latch (located at the bottom of the battery) and slide the battery downwards.



Figure 4.1: BAOFENG UV-5R 1800mAh battery.

4.2 Antenna Attachment

Screw the 771 antenna clockwise into the connector on the top of the radio until it is finger-tight. Do not overtighten.



Figure 4.2: BAOFENG 771 antenna.

4.3 Speaker Microphone Connection

Insert the two-pin plug of the handheld speaker microphone into the accessory jack on the side of the radio. Ensure a secure connection.

Clear Voice Transmission

Microphone & Speaker Transmits
High Quality Sound Even in Loud
Environments and Helps to Provide
a Perfect Communication

Figure 4.3: Handheld speaker microphone for clear voice transmission.

4.4 Charging the Battery

The BAOFENG UV-5R battery can be charged using the included USB charging cable. Connect the USB cable to a power source such as:

- A standard power socket adapter.
- A car charger.
- A portable power bank.
- A laptop or computer USB port.

The LED indicator on the USB charging cable will show the charging status.



Figure 4.4: Multiple USB charging methods.

4.5 Programming the Radio

To customize settings, add channels, and program frequencies, use the included CH340 USB programming cable with a Windows computer and compatible programming software (e.g., CHIRP).

1. Install the necessary drivers for the CH340 cable on your Windows computer.
2. Connect the programming cable to your radio's accessory jack and to a USB port on your computer.

3. Open the programming software and follow the on-screen instructions to read from or write to the radio.



Figure 4.5: CH340 USB Programming Cable.

5. OPERATING INSTRUCTIONS

5.1 Power On/Off and Volume Control

To power on the radio, rotate the volume knob clockwise. Continue rotating to adjust the volume. Rotate counter-clockwise until a click is heard to power off the radio.

5.2 Frequency/Channel Selection

Use the keypad to directly enter frequencies or navigate through programmed channels. The A/B button switches between the upper and lower frequency displays for dual-band operation.

5.3 Push-to-Talk (PTT) Button

Press and hold the PTT button on the side of the radio to transmit. Release it to receive.

5.4 Flashlight

Press the dedicated flashlight button (usually located on the side or top) to turn the flashlight on or off. Some models may require a long press or a specific menu function.



Figure 5.1: High brightness flashlight feature.

5.5 Keypad Lock

To prevent accidental key presses, activate the keypad lock function. Refer to the radio's on-screen menu or a combination of key presses (often the '#' key) for activation and deactivation.

5.6 VOX Function

VOX (Voice Operated Exchange) allows for hands-free transmission. When enabled, the radio will transmit automatically when it detects your voice. Adjust the VOX sensitivity in the menu settings.

5.7 Scan Function

The scan function allows the radio to automatically search for active signals across programmed channels or a specified frequency range. Activate scan via the menu or a dedicated button.

5.8 Monitor Function

The monitor function temporarily disables the squelch, allowing you to listen to very weak signals or background noise. This is useful for checking if a channel is clear before transmitting.

5.9 Squelch Adjustment

Squelch suppresses background noise when no signal is present. Adjust the squelch level in the menu. A higher level requires a stronger signal to open the squelch, reducing unwanted noise.

6. MAINTENANCE

- **Cleaning:** Use a soft, damp cloth to clean the radio's exterior. Do not use harsh chemicals or solvents.
- **Battery Care:** Store batteries in a cool, dry place. Avoid overcharging or fully discharging the battery frequently to prolong its lifespan.
- **Storage:** When not in use for extended periods, remove the battery and store the radio in a dry, dust-free environment.

7. TROUBLESHOOTING

If you encounter issues with your BAOFENG UV-5R radio, consider the following common solutions:

- **No Power:** Ensure the battery is correctly installed and fully charged. Check the power/volume knob.
- **Cannot Transmit/Receive:** Verify the antenna is securely attached. Check the selected frequency/channel and ensure it's within the radio's operating range. Confirm the PTT button is functioning.
- **Poor Audio Quality:** Check the speaker microphone connection. Adjust the squelch level. Ensure you are within range of other radios.
- **Keypad Unresponsive:** Check if the keypad lock is enabled.
- **Programming Issues:** Ensure the CH340 driver is correctly installed and the programming software is compatible and up-to-date.

For further assistance, please refer to the Warranty and Support section.

8. SPECIFICATIONS

Feature	Specification
Brand	BAOFENG
Model Number	UV-5R
Color	Black
Number of Channels	128
Transmit Frequency Range	VHF 144-148MHz, UHF 420-450MHz
Receive Frequency Range	VHF 136-174 MHz, UHF 400-480 MHz
Talking Range Maximum	10 Kilometer (line-of-sight, ideal conditions)

Feature	Specification
Voltage	7.4 Volts
Battery Capacity	1800mAh (Lithium Polymer)
Water Resistance Level	IP54 (Water Resistant)
Tuner Type	VHF/UHF/FM
Connectivity Protocol	Analog Voice (VHF/UHF)
FCC ID	2AJGM-UV5R

9. WARRANTY AND SUPPORT

Your BAOFENG UV-5R Ham Radio Handheld comes with a 30-day return and exchange policy, and a 12-month service warranty for your peace of mind.

If you encounter any problems or have questions regarding your walkie-talkie, please contact us via Amazon for support.