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**BAOFENG UV-10R**

# BAOFENG UV-10R Two Way Radio Instruction Manual

Model: UV-10R

Brand: BAOFENG

## 1. PRODUCT OVERVIEW

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The BAOFENG UV-10R is a portable multi-band two-way radio designed for reliable long-range communication. It features a USB-C charging port, NOAA weather alert, and supports 999 channels for versatile use.



Image: BAOFENG UV-10R Two Way Radio, showcasing its long-term stand-by and multimode scanning capabilities.

## Package Contents

Verify that all items are present in the package:

- Portable Radio (UV-10R)
- 18.89-inch Tactical Antenna
- Programming Cable
- Type-C USB Cable
- Battery
- High Gain Antenna
- Charger Base
- Belt Clip
- Hand Strap
- User's Manual

## 2. SETUP

### 2.1 Attaching the Antenna

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

## 2.2 Installing the Battery

Align the battery pack with the grooves on the back of the radio. Slide the battery upwards until it clicks into place. To remove, press the release latch and slide the battery downwards.

## 2.3 Charging the Radio

The UV-10R supports two charging methods:

- **USB-C Direct Charging:** Connect the provided Type-C USB cable to the USB-C port on the side of the radio and to a compatible USB power source (e.g., power bank, PC, car charger, laptop, or wall adapter).
- **Charger Base:** Place the radio into the charger base. Ensure the charging contacts on the radio align with those on the base. The indicator light on the charger will show the charging status.



Image: BAOFENG UV-10R radio demonstrating USB-C direct charging capability.

## 3. OPERATING INSTRUCTIONS

### 3.1 Radio Components



Image: Labeled diagram of the BAOFENG UV-10R radio's external components.

- **Power/Volume Knob:** Rotate clockwise to power on and increase volume; counter-clockwise to decrease volume and power off.
- **Antenna:** For transmitting and receiving signals.
- **Indicator Light:** Illuminates for various statuses (e.g., red for transmit, green for receive).
- **Flashlight:** Activates the LED flashlight.
- **PTT (Push-to-Talk) Button:** Press and hold to transmit; release to receive.
- **Mic:** Microphone for voice input.
- **2-pin K Jack:** For connecting external audio accessories like headsets or microphones.
- **LED Screen:** Displays channel, frequency, and other radio information.
- **Menu Button:** Accesses the radio's menu settings.
- **Exit Button:** Exits menu or cancels current operation.
- **Keypad:** For entering frequencies, channel numbers, and navigating menus.

### 3.2 Power On/Off and Volume Adjustment

To power on the radio, rotate the Power/Volume knob clockwise. Continue rotating to adjust the volume

level. To power off, rotate the knob counter-clockwise until it clicks.

### 3.3 Channel Selection and Frequency Range

The UV-10R supports 999 channels. Use the keypad to enter desired channel numbers or navigate through channels using the up/down arrow buttons. The radio operates on dual bands with a frequency range of 144-148MHz and 420-450MHz.



Image: BAOFENG UV-10R highlighting dual band operation, 999 channels, NOAA weather alert, and DTMF.

### 3.4 Transmitting and Receiving

To transmit, press and hold the PTT button on the side of the radio and speak clearly into the microphone. Release the PTT button to switch to receive mode.

### 3.5 Special Functions

- **NOAA Weather Alert:** Activates alerts for severe weather conditions. Refer to the full user manual for specific activation steps.
- **Multimode Scanning:** Allows the radio to scan through channels or frequencies to detect active transmissions.
- **VOX (Voice Operated Exchange):** Enables hands-free transmission when voice is detected, eliminating the need to press the PTT button.

- **DTMF (Dual-Tone Multi-Frequency):** Used for signaling and control functions.
- **LED Strong Flashlight:** The built-in flashlight can be activated for illumination.



Image: The BAOFENG UV-10R's LED flashlight providing illumination in a low-light environment.

## 4. MAINTENANCE

### 4.1 Cleaning

Wipe the radio's exterior with a soft, damp cloth. Do not use harsh chemicals or abrasive cleaners. Ensure the USB-C port and accessory jacks are free of dust and debris.

### 4.2 Battery Care

To prolong battery life, avoid fully discharging the battery frequently. Store the radio and battery in a cool, dry place when not in use for extended periods. Do not expose the battery to extreme temperatures.

### 4.3 Storage

Store the radio in a dry, dust-free environment away from direct sunlight and extreme temperatures. Remove the battery if storing for more than a month.

## 5. TROUBLESHOOTING

### 5.1 No Power

- Check if the battery is properly installed and charged.
- Ensure the Power/Volume knob is rotated clockwise past the 'off' position.

### 5.2 Cannot Transmit or Receive

- Verify the antenna is securely attached.
- Ensure you are on the correct channel or frequency.
- Check if the battery level is sufficient for transmission.
- Confirm that the PTT button is being pressed correctly.

### 5.3 Poor Audio Quality

- Adjust the volume level.
- Check for obstructions between radios if communicating with another device.
- Ensure the microphone and speaker are not blocked or dirty.

## 6. SPECIFICATIONS

Feature	Specification
Model Number	BF-UV10 / UV-10R
Frequency Range	144-148MHz, 420-450MHz
Number of Channels	999
Input Voltage	DC 7.4V
Antenna Impedance	50 $\Omega$
Talking Range Maximum	3.1 Miles
Item Weight	25.04 Ounces (approx. 1.56 pounds)
Product Dimensions	1.1"D x 1.96"W x 4.72"H
Battery Type	1 Lithium Ion battery (required)
Special Features	Long Range, Portable, USB-C Charger, NOAA Weather Alert, Multimode Scanning, VOX, DTMF, LED Flashlight



Image: Dimensions of the BAOFENG UV-10R Two Way Radio.

## 7. WARRANTY AND SUPPORT

### 7.1 Warranty Information

A 1-year warranty is provided exclusively through "Shiqun Electronics Co., Ltd." Please retain your proof of

purchase for warranty claims.

## **7.2 Customer Support**

For further assistance, technical support, or service inquiries, please contact the manufacturer or your authorized dealer. Refer to the contact information provided in your purchase documentation.