

BAOFENG

BAOFENG UV-17R Two Way Radio Instruction Manual

Model: UV-17R

1. PRODUCT OVERVIEW

The BAOFENG UV-17R is an upgraded dual-band handheld ham radio designed for reliable communication across various frequency ranges. It features a color screen, 999 channels, and advanced functions like DTMF, VOX, and wireless frequency copy. This manual provides essential information for setup, operation, and maintenance.





Figure 1: Front view of the BAOFENG UV-17R Two Way Radio.

2. INCLUDED COMPONENTS

Verify that all the following items are included in your package:

- 1 x UV-17R Two Way Radio
- 1 x Li-ion Battery (1800mAh, with one screw)
- 1 x Belt Clip
- 1 x Lanyard
- 1 x Headset
- 1 x Desktop Charger
- 1 x User Manual



Figure 2: All components included with the BAOFENG UV-17R radio.

3. SETUP GUIDE

3.1 Battery Installation

1. Align the battery with the battery compartment on the back of the radio.
2. Gently slide the battery into place until it clicks securely.
3. Use the provided screw to fasten the battery to the radio for added security.



Figure 3: Battery installation process for the UV-17R.

3.2 Antenna Installation

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

3.3 Charging the Battery

1. Place the radio with the battery installed into the desktop charger.
2. Ensure the charging contacts on the radio align with those on the charger.
3. Connect the desktop charger to a power outlet. The indicator light on the charger will show the charging status (usually red for charging, green for fully charged).

4. OPERATING INSTRUCTIONS

4.1 Basic Controls

- **Power/Volume Knob:** Located on the top of the radio. Rotate clockwise to power on and increase volume; counter-clockwise to decrease volume and power off.

- **Push-to-Talk (PTT) Button:** Located on the left side. Press and hold to transmit; release to receive.
- **Side Keys:** The UV-17R features programmable side keys for quick access to functions like flashlight, alarm, or FM radio.



Figure 4: Key components and controls of the UV-17R.

4.2 Display and Menu Navigation

The 1.77" TFT color display shows frequencies, channel numbers, and menu options. Use the up/down arrow keys to navigate menus and adjust settings. The 'MENU' button (green) accesses the main menu, and the 'EXIT' button (blue) returns to the previous screen or exits the menu.

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Video 1: Detailed overview of the BAOFENG UV-17R's features and operation by Radioddity.

4.3 Frequency Bands and Channels

- **TX:** 144-148MHz (VHF) and 420-450MHz (UHF)
- **RX:** 136-174MHz (VHF) and 400-519.995MHz (UHF)

- The radio supports 999 channels for ample storage of your preferred frequencies.
- Select between 12.5KHz (narrow band) and 25KHz (wide band) bandwidth options for compatibility.

4.4 Wireless Frequency Copy

This feature allows you to quickly clone frequency configurations from one UV-17R radio to another nearby. Refer to the user manual for detailed steps on initiating and completing the wireless frequency copy process.



Figure 5: Wireless frequency copy in action between two UV-17R units.

4.5 DTMF Customization

Edit DTMF settings directly by pressing the '#' key on the keypad. This provides greater control over dual-tone multi-frequency signals for various communication needs.

4.6 VOX (Voice Operated Transmit)

The VOX function allows for hands-free transmission. Adjust the VOX level from 1-9 in the menu to set the sensitivity of voice activation.

4.7 Squelch Level

Adjust the squelch level from 0-5 to filter out weak signals and background noise. A higher squelch level requires a stronger signal to open the receiver.

4.8 FM Radio and NOAA Reception

The UV-17R supports FM radio reception and NOAA weather channels. Use the dedicated side key or menu options to access these features.

5. MAINTENANCE AND CARE

- **Cleaning:** Use a soft, damp cloth to clean the radio's exterior. Do not use harsh chemicals or abrasive cleaners.
- **Battery Care:** To prolong battery life, avoid overcharging and fully discharging the battery. Store the battery in a cool, dry place when not in use.
- **Antenna Care:** Ensure the antenna is securely attached. Avoid bending or twisting the antenna excessively, as this can damage the connector.
- **Storage:** Store the radio in a dry, dust-free environment away from extreme temperatures.

6. TROUBLESHOOTING

Problem	Possible Cause	Solution
Radio does not power on.	Low or no battery charge; improperly installed battery.	Charge the battery fully. Ensure battery is correctly installed and secured.
No signal reception or poor audio quality.	Antenna not properly connected; incorrect frequency/channel; high squelch level; out of range.	Check antenna connection. Verify frequency/channel settings. Lower squelch level. Move closer to transmitting station.

Problem	Possible Cause	Solution
Cannot transmit.	Incorrect frequency; PTT button malfunction; battery low.	Verify transmit frequency is within allowed range. Ensure PTT button is fully pressed. Charge battery.
Programming issues with CHIRP.	Incorrect programming cable; outdated CHIRP software; driver issues.	Ensure you are using a compatible BAOFENG programming cable. Update CHIRP to the latest version. Install/update USB drivers for the cable.

7. SPECIFICATIONS

Feature	Detail
Item Weight	1.28 pounds
Package Dimensions	7.87 x 4.69 x 4.29 inches
Country of Origin	China
Item Model Number	UV-17R
Batteries	1 Lithium Ion batteries required (included)
Number of Channels	999
Frequency Range	TX: 144-148MHz, 420-450MHz; RX: 136-174MHz, 400-519.995MHz
Tuner Technology	UHF/VHF
Voltage	7.4 Volts
Water Resistance Level	Not Water Resistant
FCC ID	2AJGM-UV17

8. WARRANTY AND SUPPORT

The BAOFENG UV-17R comes with a 1 Year and 6 months Manufacturer's Warranty. For warranty claims, technical support, or any inquiries, please contact BAOFENG customer service through their official channels or the retailer from whom you purchased the product.