BAOFENG 2698812324

Baofeng Pofung UV-6R Dual-Band Two-Way Radio Transceiver User Manual

Model: 2698812324

Product Overview

The Baofeng Pofung UV-6R is a versatile dual-band two-way radio transceiver designed for both licensed amateur radio enthusiasts and commercial users. This robust device operates across VHF and UHF frequencies, offering flexibility with narrowband (12.5 KHz) and wideband (25 KHz) operation. It supports channel steps as low as 2.5KHz, includes CTCSS and DCS tones for enhanced communication privacy, and can be programmed manually or via PC. With an output power of up to 8 watts, the UV-6R provides reliable communication for various applications.

Setup Guide

Follow these steps to prepare your Baofeng UV-6R for first use.

1. Battery Installation

To install the battery, align the battery pack with the grooves on the back of the radio. Slide the battery upwards until it clicks into place securely. To remove, press the battery release latch located at the bottom of the battery pack and slide it downwards.



Figure 1: Battery installation on the Baofeng UV-6R. The battery pack slides into the rear of the radio body.

2. Antenna Attachment

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



Figure 2: The Baofeng UV-6R with its antenna and battery installed, showing the complete assembly.

3. Initial Charging

Before first use, fully charge the battery. Connect the charger base to a power outlet and place the radio (with battery installed) into the charging cradle. The indicator light on the charger will show the charging status. A full charge typically takes several hours.

Operating Instructions

Familiarize yourself with the controls and basic operations of your UV-6R radio.

Radio Components



Figure 3: Key components of the Baofeng UV-6R radio, including the antenna, flashlight, ON/OFF/volume knob, speaker, microphone, Push-to-Talk (PTT) key, and side keys (CALL/MONI).

- **Antenna:** Transmits and receives radio signals.
- **Flashlight:** Integrated LED light for illumination.
- **Knob (ON/OFF, Volume):** Rotates to turn the radio on/off and adjust volume.
- **Speaker:** Outputs received audio.
- **Microphone:** Captures your voice for transmission.
- **PTT Key (Push-to-Talk):** Press and hold to transmit, release to receive.
- **Sk-side key 1/CALL:** Programmable side key, often used for Call function.
- **Sk-side key 2/MONI:** Programmable side key, often used for Monitor function (opens squelch).

Basic Operation

1. **Power On/Off:** Rotate the top knob clockwise to turn on, counter-clockwise to turn off.
2. **Volume Adjustment:** Rotate the top knob to adjust the listening volume.

3. **Channel/Frequency Selection:** Use the UP/DOWN arrow keys on the keypad to change channels or frequencies.
4. **Transmitting:** Press and hold the PTT key on the left side of the radio to transmit. Speak clearly into the microphone. Release the PTT key to stop transmitting and return to receive mode.
5. **Receiving:** The radio will automatically receive signals on the selected channel/frequency when the PTT key is not pressed.

Keypad Functions



Figure 4: Detailed views of the Baofeng UV-6R's accessory jack, PTT button, side keys, and keypad for precise operation.

- **Numeric Keys (0-9):** Used for direct frequency input or selecting menu options.
- **MENU:** Enters the menu system for advanced settings.
- **EXIT/AB:** Exits menu or switches between A/B VFOs.
- **V/M:** Toggles between Frequency (VFO) mode and Channel (Memory) mode.
- **#SCAN:** Initiates scanning function.
- ***A/B:** Toggles between upper and lower display frequencies.
- **SQL:** Adjusts squelch level.

- **BEEP:** Toggles keypad beep sound.
- **TOT:** Sets Transmission Over Time.
- **SAVE:** Saves current settings.
- **TXP:** Adjusts transmit power (High/Low).
- **WN:** Toggles between Wide and Narrow band.
- **VOX:** Activates Voice Operated Transmit.
- **TDR:** Activates Dual Watch/Dual Receive.

Maintenance

Proper maintenance ensures the longevity and optimal performance of your radio.

- **Cleaning:** Use a soft, damp cloth to wipe the radio's surface. Do not use harsh chemicals or abrasive cleaners. Ensure all ports are dry before use.
- **Battery Care:**
  - Avoid overcharging or completely draining the battery.
  - Store the battery in a cool, dry place when not in use.
  - If storing for extended periods, charge the battery to about 50% capacity.
- **Antenna:** Regularly check the antenna connection for tightness. Avoid bending or stressing the antenna.
- **Storage:** Store the radio in a dry, dust-free environment away from direct sunlight and extreme temperatures.

Troubleshooting

If you encounter issues with your UV-6R, refer to the following common problems and solutions.

Problem	Possible Cause	Solution
Radio does not power on.	Low or dead battery; improperly installed battery.	Charge the battery fully. Ensure the battery is correctly installed and locked into place.
Cannot transmit or receive.	Incorrect frequency/channel; squelch level too high; antenna not connected.	Verify frequency/channel settings. Adjust squelch level (SQL). Ensure antenna is securely attached.
Poor audio quality (static, low volume).	Weak signal; incorrect volume; antenna issue.	Move to an area with better signal. Adjust volume. Check antenna connection.
Keypad unresponsive.	Keypad lock activated.	Press and hold the '#' key to unlock the keypad.

Specifications

Detailed technical specifications for the Baofeng Pofung UV-6R Transceiver.

Feature	Detail
Brand	BAOFENG
Model Number	2698812324
UPC	602045806274

Feature	Detail
Package Dimensions	7.05 x 4.88 x 3.78 inches
Item Weight	1.04 Pounds
Number of Channels	40
Special Feature	UHF
Tuner Technology	UHF, VHF
Water Resistance Level	Water Resistant

Warranty and Support

Warranty information for your Baofeng Pofung UV-6R radio is typically provided with the product packaging or can be found on the official BAOFENG website. Please retain your proof of purchase for warranty claims.
For technical support, troubleshooting assistance beyond this manual, or service inquiries, please visit the official BAOFENG support page or contact their customer service directly. Refer to the contact information provided with your product or on the manufacturer's website.
Note: Unauthorized modifications or repairs may void your warranty.

© 2024 BAOFENG. 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