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BAOFENG UV-10R Pro

BAOFENG UV-10R PRO Ham Radio User Manual

Model: UV-10R Pro

INTRODUCTION

This manual provides comprehensive instructions for the operation and maintenance of your BAOFENG UV-10R PRO Ham Radio. Please read this manual thoroughly before using the device to ensure proper function and safety.



Figure 1: BAOFENG UV-10R PRO Ham Radio Full Kit. This image displays the complete package contents, including two UV-10R PRO radios, two 771 high-gain antennas, two standard antennas, two USB-C charging cables, two batteries, two desktop chargers, two headsets, and two belt clips.

Product Features

- **Dual Band Operation:** Supports both VHF and UHF frequencies for versatile communication.
- **Extensive Channel Capacity:** Features 999 programmable channels for various communication needs.
- **NOAA Weather Receiver:** Integrated NOAA functionality for emergency weather alerts.
- **USB-C Charging:** Convenient and modern USB-C port for flexible charging options.
- **One-Key Frequency Copy:** Simplifies frequency sharing between radios without PC programming.
- **Large Color Screen:** 1.44-inch display for clear visibility of settings and information.
- **VOX Function:** Voice-activated transmission for hands-free operation.
- **FM Radio & LED Flashlight:** Additional utility features for convenience and emergencies.

- **Emergency Alarm:** Built-in alarm for critical situations.
- **Durable Design:** Sturdy construction suitable for various outdoor and demanding environments.



Figure 2: Key Features of the UV-10R PRO. This image highlights the main functionalities of the radio, including dual-band capability, frequency copying, 999 channels, USB-C charging, a large display, NOAA weather alerts, VOX, FM radio, and an LED flashlight.

Package Contents

Verify that all items listed below are included in your package:

- 2 x BAOFENG UV-10R PRO Radios
- 2 x High Gain 771 Antennas
- 2 x Original Antennas
- 2 x Rechargeable Batteries (9V)
- 2 x USB-C Charging Cables

- 2 x Desktop Chargers
- 2 x Headsets
- 2 x Belt Clips

Setup Guide

1. Battery Installation and Charging

1. Ensure the radio is powered off.
2. Align the battery pack with the grooves on the back of the radio and slide it upwards until it clicks into place.
3. To charge, connect the USB-C cable directly to the radio's USB-C port or place the radio in the desktop charger. Connect the charger to a power source (USB wall adapter, PC, or power bank).
4. The charging indicator light on the radio or desktop charger will show charging status. Charge fully before first use.



Figure 3: Multiple Charging Methods. This image illustrates the versatility of charging the UV-10R PRO, showing connections to a USB wall

adapter, vehicle charging port, PC, and a portable power bank.

2. Antenna Attachment

1. Screw the desired antenna (either the original or the high-gain 771 antenna) clockwise onto the antenna connector on top of the radio until it is finger-tight. Do not overtighten.



Figure 4: High Gain 771 Antenna. This image shows the extended length and design of the high-gain 771 antenna, which can improve signal reception and transmission range. A close-up of the antenna's screw-on base is also visible.

Operating Instructions

1. Power On/Off

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

2. Basic Communication

1. **Select Frequency/Channel:** Use the keypad to enter a frequency or navigate through channels. The UV-10R PRO supports 999 channels.
2. **Transmit:** Press and hold the PTT (Push-To-Talk) button on the side of the radio to transmit. Speak clearly into the microphone. Release the PTT button to receive.
3. **Receive:** The radio will automatically receive signals on the selected frequency/channel when the PTT button is not pressed.



Figure 5: Radio Controls and Ports. This image provides a detailed view of the UV-10R PRO's side, highlighting the PTT (Push-To-Talk) button, programmable side keys (Sk-side key1, Sk-side key 2/FM radio), the external speaker/microphone jack, and the battery compartment.

3. One-Key Frequency Copy

This feature allows for quick replication of frequencies from another radio.

1. **Step 1:** Power on your UV-10R PRO and press the designated "Copy" button (often marked with a specific icon or function key). The display may show "SEEK".
2. **Step 2:** Have the other radio transmit on the desired frequency. Your UV-10R PRO will search for and detect the

frequency. Once detected, press the "MENU" button to confirm and save the frequency.

3. **Step 3:** Switch to channel mode. The display will show the newly copied frequency, and you can begin communicating.



Figure 6: One-Key Frequency Copy Process. This diagram visually explains how to use the one-key frequency copy feature, detailing the steps from initiating the scan to confirming the copied frequency for immediate communication.

4. NOAA Weather Alert

The radio can receive NOAA weather alerts to keep you informed of severe weather conditions.

- Refer to the radio's menu settings to activate NOAA weather scan or select a specific NOAA weather channel.
- The radio will alert you to local weather advisories, including hurricanes, fires, snowstorms, rainstorms, earthquakes, and tsunamis.



Figure 7: NOAA Weather Radio Functionality. This image highlights the radio's capability to receive NOAA weather forecasts and alerts, displaying icons for different types of natural disasters it can warn about.

Maintenance

- **Cleaning:** Use a soft, damp cloth to clean the radio's exterior. Do not use harsh chemicals or abrasive cleaners.
- **Storage:** Store the radio in a cool, dry place when not in use. Remove the battery if storing for extended periods.
- **Battery Care:** Avoid overcharging or completely draining the battery. Recharge regularly to maintain battery health.
- **Antenna Care:** Handle antennas carefully to prevent bending or damage.

Troubleshooting

Problem	Possible Cause	Solution

Problem	Possible Cause	Solution
Radio does not power on.	Battery is low or not installed correctly.	Charge the battery or re-install it securely.
Cannot transmit or receive.	Incorrect frequency/channel, antenna not attached, or out of range.	Verify frequency, ensure antenna is attached, move closer to other radios.
Poor audio quality.	Low signal strength, incorrect squelch setting, or damaged speaker/mic.	Adjust squelch level, move to an area with better signal, check for physical damage.
Battery life is short.	Battery is old or not fully charged.	Ensure full charge before use. Consider replacing the battery if it's old.

Specifications

- **Model:** UV-10R Pro
- **Brand:** BAOFENG
- **Frequency Range:** VHF/UHF
- **Number of Channels:** 999
- **Display:** 1.44-inch Color Screen
- **Battery Type:** 9V (included)
- **Charging:** USB-C, Desktop Charger
- **Dimensions:** 1.5 x 2.5 x 6 inches
- **Weight:** 1.2 pounds
- **Special Features:** NOAA Emergency Receiver, DTMF, VOX, FM Radio, LED Flashlight, Dual Standby, Emergency Alarm, CTCSS & DCS, One Key Frequency Copy.
- **Talking Range Maximum:** 3 Kilometers (approximate, depends on terrain and conditions)
- **Water Resistance Level:** Not Water Resistant

Warranty and Support

For warranty information and technical support, please refer to the official BAOFENG website or contact your authorized dealer. Keep your purchase receipt as proof of purchase for warranty claims.
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