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BAOFENG UV-9R Pro

BAOFENG UV-9R Pro Two-Way Radio User Manual

Model: UV-9R Pro
Brand: BAOFENG

1. Introduction and Overview

The BAOFENG UV-9R Pro is an upgraded, robust, and versatile two-way radio designed for reliable communication in various environments. Featuring IP67 waterproof and dustproof capabilities, it is suitable for outdoor activities and demanding conditions. This manual provides essential information for setting up, operating, and maintaining your UV-9R Pro radio to ensure optimal performance and longevity.



Image: The BAOFENG UV-9R Pro radio along with its complete set of accessories, including antennas, battery, and charging cables.

2. What's in the Box

Upon unboxing your BAOFENG UV-9R Pro, please verify that all the following components are included:

- 1 x Portable UV-9R Pro Radio
- 1 x 701 Waterproof Antenna
- 1 x AR-771 Antenna
- 1 x 2800mAh Li-ion Battery
- 1 x Desktop Charger
- 1 x Type-C Charger Cable
- 1 x Programming Cable
- 1 x Belt Clip
- 1 x User Manual

- 1 x BAOFENG Rope (Lanyard)

3. Key Features

The BAOFENG UV-9R Pro offers a range of features designed for enhanced communication and durability:

- **IP67 Waterproof and Dustproof:** Engineered to withstand immersion in 1.5 meters of water for up to 30 minutes, making it ideal for harsh weather and outdoor use.
- **Dual Charging Options:** Supports both traditional desktop charging and convenient Type-C direct charging for the 2800mAh Li-ion battery.
- **Multiple Power Modes:** Adjustable High/Mid/Low power settings to optimize battery life and communication range.
- **CHIRP & Windows Programming:** Compatible with CHIRP software for easy programming across Mac, Windows XP/7/8/8.1/10/11 systems.
- **Enhanced Antenna Performance:** Includes an AR-771 antenna (approx. 15.35 inches/39cm) for improved signal reception and transmission distance.
- **Long Range Communication:** Capable of reaching communication distances up to 5 miles in open areas, with effective ranges of 3-4 miles in forests and 2-3 miles in urban environments, depending on conditions.
- **Dual Display & Dual Standby:** Monitor two frequencies simultaneously.
- **CTCSS/DCS Codes:** 50 CTCSS and 104 DCS codes for private communication.
- **Built-in LED Flashlight:** Provides illumination in low-light conditions.



Image: Visual representation of the radio's key functionalities, such as 128 channels, 8 Watts of power, dual-band operation, 2800mAh battery, LED display, and a built-in flashlight.

Video: This video demonstrates the IP67 waterproof capabilities of the BAOFENG UV-9R Pro radio, showing it being submerged and functioning correctly after exposure to water.

4. Setup

4.1 Battery Installation and Charging

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



Image: The radio's battery, highlighting its Type-C charging port and IP67 waterproof design, allowing for charging even after exposure to water.

The UV-9R Pro supports two charging methods:

- **Desktop Charger:** Place the radio (with battery installed) into the provided desktop charging cradle. Ensure the charging contacts align. The indicator light will show charging status.
- **Type-C Direct Charging:** Connect the Type-C cable directly to the port on the battery pack. This allows for convenient charging from power banks or other Type-C compatible sources.



Image: Illustration of the two available charging methods: using the desktop charging base and direct charging via a Type-C cable connected to the battery.

4.2 Antenna Attachment

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



Image: The radio equipped with a high-gain antenna, demonstrating its capability to extend communication distance by up to 30%.

4.3 Programming the Radio

The UV-9R Pro can be programmed using the included programming cable and CHIRP software. This allows for customization of channels, frequencies, and other settings.

- Install the necessary drivers for the programming cable on your computer.
- Download and install CHIRP software (compatible with Mac, Windows XP/7/8/8.1/10/11).
- Connect the programming cable to your radio and computer.
- Follow the instructions within the CHIRP software to read from and write to your radio.



Image: The radio connected to a computer using the programming cable, illustrating its compatibility with both Mac and Windows operating systems for channel management.

5. Operating Instructions

5.1 Power On/Off

To power on the radio, rotate the volume knob clockwise until you hear a click. To power off, rotate it counter-clockwise until it clicks.

5.2 Channel Selection

Use the UP/DOWN arrow keys to navigate through the programmed channels. Alternatively, you can directly input the frequency using the numeric keypad if in VFO (Frequency) mode.

5.3 Adjusting Power Levels

The UV-9R Pro allows you to select between High, Mid, and Low power output. This can be adjusted via the menu

settings to conserve battery life or extend range as needed.



Image: The radio's display showing the selectable power output levels: High, Mid, and Low, allowing users to optimize power consumption and range.

5.4 Transmitting and Receiving

- To transmit, press and hold the PTT (Push-To-Talk) button on the side of the radio. Speak clearly into the microphone.
- Release the PTT button to receive.
- Ensure you are on the same frequency or channel as the party you wish to communicate with.

5.5 Dual Watch and Dual Standby

The radio can monitor two different frequencies (A and B) simultaneously. When a signal is detected on either frequency, the radio will automatically switch to that frequency. You can set the priority for which frequency to

transmit on.

6. Maintenance

Proper maintenance ensures the longevity and reliable operation of your BAOFENG UV-9R Pro radio.

- **Cleaning:** Due to its IP67 rating, the radio can be rinsed with fresh water to remove dirt or debris. Ensure the battery cover is securely closed before rinsing. Use a soft, damp cloth for general cleaning. Avoid harsh chemicals.
- **Battery Care:** Charge the battery fully before first use. Avoid overcharging or completely draining the battery. Store the battery in a cool, dry place when not in use for extended periods.
- **Storage:** Store the radio in a dry, cool environment away from direct sunlight and extreme temperatures.
- **Antenna:** Periodically check the antenna connection for tightness.

7. Troubleshooting

If you encounter issues with your radio, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Radio does not power on	Low or dead battery; Incorrect battery installation	Charge the battery; Reinstall the battery correctly
Cannot transmit or receive	Incorrect frequency/channel; Antenna not connected; Low battery; Squelch level too high	Verify frequency/channel; Attach antenna securely; Charge battery; Adjust squelch level
Poor audio quality	Weak signal; Obstructions; Antenna issue	Move to an open area; Check antenna connection; Ensure clear line of sight
Keypad unresponsive	Keypad lock activated	Press the '#' key to unlock the keypad

If the problem persists after attempting these solutions, please contact BAOFENG customer support for further assistance.

8. Specifications

Specification	Value
Model Number	UV-9R Pro
Water Resistance Level	IP67 (Waterproof)
Battery Capacity	2800mAh Li-ion
Number of Channels	154
Frequency Range	136-174 MHz / 400-470 MHz

Specification	Value
Talking Range Maximum	5 Miles
Item Weight	1.37 pounds
Package Dimensions	7.48 x 5.94 x 4.09 inches
FCC ID	2AJGM-UV9RPRO

9. Warranty and Support

The BAOFENG UV-9R Pro is FCC Part 15 Part 97 Certified. For warranty information and technical support, please refer to the documentation provided with your purchase or visit the official BAOFENG website. Keep your purchase receipt as proof of purchase for warranty claims.

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