

## BAOFENG UV 9R

# BAOFENG UV-9R Pro Instruction Manual

Model: UV-9R Pro

## INTRODUCTION

This manual provides comprehensive instructions for the safe and effective use of your BAOFENG UV-9R Pro Ham Radio. The UV-9R Pro is a robust, dual-band, waterproof handheld transceiver designed for reliable communication in various environments. Please read this manual thoroughly before operating the device.

## SAFETY INFORMATION

Always observe the following safety precautions to prevent injury or damage to the radio:

- Do not disassemble or modify the radio. Unauthorized modifications can void your warranty and may cause damage.
- Keep the radio away from extreme temperatures, direct sunlight, and corrosive substances.
- Ensure the battery is correctly installed and charged using only the provided charger or a compatible Type-C charger.
- Do not operate the radio in explosive atmospheres or near flammable materials.
- While the radio is IP67 waterproof, ensure all ports are securely sealed before exposure to water. Do not intentionally submerge the radio with open ports.
- Avoid prolonged exposure to high RF energy. Maintain a safe distance from the antenna during transmission.

## PACKAGE CONTENTS

Verify that all items are present in your package:

- BAOFENG UV-9R Pro Portable Radio
- Li-ion Battery Pack (2800mAh)
- Desktop Charger
- Belt Clip

- Hand Strap
- User Manual
- Type-C Charging Cable
- Antenna (Standard)
- High Gain Antenna (Optional, may vary by package)



Image: Contents of the BAOFENG UV-9R Pro package, including the radio, battery, chargers, and antennas.

## PRODUCT OVERVIEW

The BAOFENG UV-9R Pro is engineered for durability and performance. Key features include:

- **IP67 Waterproof and Dustproof:** Designed to withstand harsh outdoor conditions.
- **Dual Band Operation:** Supports both VHF (136-174 MHz) and UHF (400-470 MHz) frequencies.
- **High Power Output:** Up to 8 Watts for extended communication range.
- **Large Battery Capacity:** 2800mAh Li-ion battery for prolonged use.

- **Multiple Charging Options:** Supports both desktop charger and direct Type-C charging.
- **128 Channels:** Ample memory for storing your preferred frequencies.
- **Built-in LED Flashlight:** Provides illumination in low-light conditions.
- **Emergency Alarm:** For critical situations.
- **CTCSS/DCS Codes:** 50 CTCSS and 104 DCS codes for private communication.



		
128 Channels	8Watts Power	Dual Band
		
2800mAh Battery	LED Display	Flash light
		
Emergency Alarm	Call experience	Call experience
		
50 CTCSS 104 DCS CODES	Waterproof Headset Jack	Power Adjustable

**Built in LED-Flashlight and bold back lit LCD screen provides high visibility at night.**

Image: Visual representation of the UV-9R Pro's main features, including channel capacity, power, battery, and waterproof rating.



Image: The BAOFENG UV-9R Pro highlighting its IP67 waterproof capability with water droplets on its surface.

## SETUP

### 1. Battery Installation and Charging

Before first use, fully charge the battery. The UV-9R Pro supports two charging methods:

1. **Desktop Charger:** Place the radio with the battery attached into the charging cradle. Ensure the charging



contacts align. The indicator light will show charging status.

2. **Type-C Direct Charging:** Connect the provided Type-C cable directly to the port on the battery pack. This allows for convenient charging from power banks or other USB-C sources.

## UV-9R Pro/GMRS-9R

LED indicator



Support  
Type-C charging

 **IP67**  
waterproof



Image: The Li-ion battery pack for the UV-9R Pro, showing its Type-C charging port and waterproof design.

# SUPPORT 2-WAY CHARGING



Support  
Type-C Charging

Support  
Base Charging



Image: Illustration of the two charging methods for the UV-9R Pro: via the desktop charging base and direct Type-C cable connection to the battery.

## 2. Attaching the Antenna

Screw the antenna clockwise into the antenna connector on the top of the radio until it is firmly seated. Do not overtighten.



Image: The BAOFENG UV-9R Pro with an extended high-gain antenna, illustrating improved communication distance.

## OPERATING INSTRUCTIONS

### 1. Power On/Off and Volume

Rotate the power/volume knob (top-left knob) clockwise to turn on the radio and adjust the volume. Rotate counter-clockwise until a click is heard to turn off the radio.

### 2. Channel Selection

Use the UP/DOWN arrow keys to navigate through channels or frequencies. You can also directly input frequencies using the keypad.

### 3. Transmitting (PTT)

Press and hold the Push-To-Talk (PTT) button on the left side of the radio to transmit. Speak clearly into the microphone. Release the PTT button to receive.



## 4. Power Level Adjustment

The UV-9R Pro supports High, Mid, and Low power output settings. Adjusting the power level can conserve battery life or extend range as needed.



Image: The UV-9R Pro display showing options for High, Mid, and Low transmit power settings.

## 5. Keypad Functions

The keypad provides access to various functions and direct frequency input. Refer to the on-screen menu for specific function assignments.

- **MENU:** Access the radio's settings menu.
- **EXIT:** Exit current menu or function.
- **VFO/MR:** Switch between Frequency Mode (VFO) and Channel Mode (MR).
- **SCAN:** Initiate channel or frequency scanning.
- **SQL:** Adjust squelch level.



## MAINTENANCE

Proper maintenance ensures the longevity and performance of your UV-9R Pro:

- **Cleaning:** Use a soft, damp cloth to clean the radio's exterior. Do not use harsh chemicals or abrasive cleaners.
- **Battery Care:**
  - Avoid overcharging or completely discharging 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.
- **Waterproof Seals:** Regularly inspect the rubber seals around the battery compartment and accessory ports for any signs of wear or damage. Ensure they are clean and properly seated before exposing the radio to water.

## TROUBLESHOOTING

Problem	Possible Cause	Solution
Radio does not power on.	Battery is dead or not properly installed.	Charge the battery. Reinstall the battery, ensuring it clicks into place.
Cannot transmit or receive.	Incorrect frequency/channel, squelch too high, antenna loose.	Verify frequency/channel. Adjust squelch (SQL). Check antenna connection.
Poor audio quality.	Low battery, antenna issue, interference.	Charge battery. Check antenna. Move away from sources of interference.
Water ingress after exposure.	Ports not sealed, damaged seals.	Ensure all port covers are securely closed before water exposure. Inspect seals for damage. If water enters, power off immediately and allow to dry completely before use.

## SPECIFICATIONS

- **Model:** UV-9R Pro
- **Frequency Range:** 136-174 MHz (VHF), 400-470 MHz (UHF)
- **Number of Channels:** 128
- **Power Output:** 8W (High/Mid/Low selectable)
- **Battery:** 2800mAh Li-ion (DC 7.4V)
- **Water Resistance Level:** IP67 (Waterproof and Dustproof)
- **Dimensions:** Approximately 55 x 36 x 135 mm (excluding antenna)
- **Weight:** Approximately 1.43 pounds (with battery and antenna)
- **Charging:** Desktop Charger, Type-C Direct Charging

## WATERPROOF TESTING (DEMONSTRATION)

The BAOFENG UV-9R Pro is designed with IP67 waterproofing. The following video demonstrates the radio's ability to withstand water immersion, as tested in a laboratory and outdoor environment. This feature ensures reliable operation even in challenging weather conditions.

Your browser does not support the video tag.

Video: Official demonstration of the BAOFENG UV-9R Pro undergoing waterproof testing in both laboratory and outdoor settings, showcasing its IP67 rating.

## 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.

For additional resources and community support, consider visiting amateur radio forums and groups dedicated to BAOFENG products.

