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› [BAOFENG](#) /

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

BAOFENG UV-9R Pro

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Model: UV-9R Pro

1. INTRODUCTION

This manual provides comprehensive instructions for the operation and maintenance of your BAOFENG UV-9R Pro Two-Way Radio. The UV-9R Pro is a robust, waterproof, dual-band handheld transceiver designed for reliable communication in various environments, including outdoor sports, camping, mountaineering, and professional use.

Practical Application



Hotel reception



Mountaineering



Construction site



Hunting



Self-driving tour



Fishing

Image: The BAOFENG UV-9R Pro radio is suitable for diverse applications such as hotel reception, mountaineering, construction sites, hunting, self-driving tours, and fishing, demonstrating its versatility.

2. PACKAGE CONTENTS

Upon unpacking, please verify that all items listed below are present and in good condition:

- 2 x BAOFENG UV-9R Pro Portable Radios
- 2 x 2800mAh Li-ion Battery Packs
- 2 x Speaker Microphones
- 2 x AR-771 Antennas
- 1 x Programming Cable
- 2 x US Plug Chargers (Desktop Chargers)
- 2 x Type-C Charger Cables
- 2 x Belt Clips
- 2 x Hand Straps
- 2 x User Manuals

- 2 x Baofeng Ropes



Image: A visual representation of the complete package contents, including two UV-9R Pro radios, batteries, antennas, speaker mics, chargers, and a programming cable.

3. PRODUCT FEATURES

- **IP67 Waterproof and Dustproof:** Enhanced protection against water immersion (not for diving) and dust ingress, suitable for harsh outdoor conditions.
- **Dual Band Operation:** Supports both VHF and UHF frequency ranges.
- **High Power Output:** Up to 8W for extended communication range.
- **Long Range Communication:** Effective communication up to 5 miles in open areas, 3-4 miles in forests, and 2-3 miles in urban environments.
- **2800mAh Li-ion Battery:** Provides extended operating time.
- **Dual Charging Options:** Supports both Type-C direct charging and desktop charging.
- **Dual Display and Dual Standby:** Monitor two frequencies simultaneously.
- **128 Channels:** Ample capacity for various communication needs.

- **CTCSS/DCS Codes:** 50 CTCSS and 104 DCS codes for privacy and interference reduction.
- **Built-in LED Flashlight:** For illumination in low-light conditions.
- **Emergency Alarm:** For urgent situations.
- **Power Adjustable:** Three power modes (High/Mid/Low) for optimized battery usage and range.
- **Waterproof Headset Jack:** Ensures accessory compatibility without compromising water resistance.



The infographic highlights the following features:

- 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.

The image shows a green Baofeng UV-9R PRO waterproof radio with its LED flashlight illuminated. The LCD screen displays the frequency 144.500 and 145.125. The radio has a keypad with buttons for STEP, TXP, SAVE, VOX, WIN, ABR, TDR, BEEP, TOT, SOL, and a power button. The model name UV-9R PRO is visible at the bottom of the keypad area.

Image: An infographic highlighting key features such as 128 channels, 8 watts power, dual band, 2800mAh battery, LED display, flashlight, emergency alarm, 50 CTCSS and 104 DCS codes, waterproof headset jack, and adjustable power.

Factory Measurement 8 WATT

CT ▲ TXP HIGH

CT ▲ TXP MID

CT ▲ TXP LOW



Low/Medium/High three section TX power adjustable.

This item is ideal for long distance communication



In the sea area
(5-8miles)

In the plain area
(4-6miles)

In the building
(8-15 floors)

Image: Demonstrates the radio's 8.12W power output and provides estimated communication ranges: 5-8 miles in sea areas, 4-6 miles in plain areas, and 8-15 floors in buildings.

4. SETUP

4.1. Battery Installation and Charging

The UV-9R Pro uses a 2800mAh Li-ion battery. Ensure the battery is fully charged before first use.

1. Align the battery pack with the battery compartment on the back of the radio.
2. Slide the battery into place until it clicks securely.
3. To charge, connect the Type-C cable directly to the battery's Type-C port or place the radio with the battery installed into the desktop charger.
4. The LED indicator on the battery or charger will show charging status (typically red for charging, green for fully charged).

UV-9R Pro/GMRS-9R

LED indicator



Support
Type-C charging



IP67
waterproof



Image: Close-up of the 2800mAh Li-ion battery for the UV-9R Pro, showing its Type-C charging port and LED indicator, emphasizing its IP67 waterproof rating.

4.2. Antenna Attachment

Attach the AR-771 antenna to the top of the radio by screwing it clockwise until it is finger-tight. Do not overtighten.



Image: Illustration of the long, flexible antenna designed to strengthen signal and increase talking distance by up to 30% for the UV-9R Pro.

ORIGINAL UV-9R PRO 701 ANTENNA

The UV-9R Pro 701 antenna has a longer distance and is more waterproof



Image: A comparison showing the UV-9R Pro's 701 antenna (21cm/8.27") which is longer and more waterproof, next to a shorter, ordinary antenna (17cm/6.69").

4.3. Speaker Microphone Connection

Connect the speaker microphone to the dedicated port on the side of the radio. Ensure a secure connection to maintain the radio's waterproof integrity.

4.4. Programming Cable Usage

The included programming cable allows for advanced customization of your radio's settings, such as frequencies, channels, and special functions, using compatible software on a computer. The cable supports both Mac and Windows operating systems.

1. Install the necessary driver and programming software on your computer.
2. Connect the programming cable to your computer's USB port and to the radio's accessory port.
3. Follow the software instructions to read from or write to the radio.

Baofeng Waterproof Two Way Radio Programming Cable



Image: The BAOFENG UV-9R Pro radio connected to its programming cable, indicating support for both Mac and Windows operating systems for channel and feature customization.

5. OPERATING INSTRUCTIONS

5.1. 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 the radio off.

5.2. Channel Selection

Use the up/down arrow keys or the keypad to select one of the 128 available channels. The selected channel will be displayed on the LCD screen.

5.3. Transmit Power Adjustment

The UV-9R Pro offers three power levels: High, Mid, and Low. Adjusting the power level can conserve battery life or extend communication range as needed. Refer to your radio's menu for power setting options.

5.4. Dual Display and Dual Standby

The radio can display two frequencies simultaneously and monitor both. This allows you to keep track of two different communication channels without manually switching.

5.5. CTCSS/DCS Codes

Continuous Tone-Coded Squelch System (CTCSS) and Digital Coded Squelch (DCS) codes are used to filter out unwanted signals. When a CTCSS/DCS code is set, your radio will only open its squelch and receive audio from transmissions that use the same code. This helps reduce interference from other users on the same frequency.

5.6. Emergency Alarm

The emergency alarm function can be activated to send out an alert signal. Consult the radio's menu or quick guide for specific instructions on how to activate and configure this feature.

5.7. Built-in LED Flashlight

The radio includes a built-in LED flashlight for convenience in dark environments. Typically, a dedicated button or a combination of keys activates this feature.

6. MAINTENANCE

6.1. Cleaning

Wipe the radio's exterior with a soft, damp cloth. Do not use harsh chemicals or abrasive cleaners. Ensure all ports are closed when cleaning to maintain waterproof integrity.

6.2. Battery Care

- Avoid fully discharging the battery frequently.
- Store the battery in a cool, dry place when not in use.
- Do not disassemble, short-circuit, or expose the battery to extreme temperatures or fire.
- Use only the specified charger for the battery pack.

6.3. Waterproof Considerations

The UV-9R Pro is IP67 rated, meaning it is protected from dust and can withstand immersion in water up to 1 meter for 30 minutes. It is **not** designed for diving or prolonged underwater use. Always ensure the battery cover, accessory port cover, and antenna are securely fastened to maintain its waterproof capabilities.

7. TROUBLESHOOTING

If you encounter issues with your UV-9R Pro radio, consider the following common solutions:

- **No Power:** Check if the battery is properly installed and charged. Ensure the power/volume knob is turned on.
- **Cannot Transmit or Receive:**
 - Verify the antenna is securely attached.
 - Check if the battery is low.
 - Ensure you are on the correct frequency/channel.
 - Confirm that CTCSS/DCS settings match the other radio.
 - Adjust the squelch level.

- **Poor Audio Quality:**

- Check antenna connection.
- Ensure you are within range of the other radio.
- Adjust volume.
- Check for obstructions between radios.

- **Programming Issues:**

- Ensure the programming cable is correctly connected to both the radio and the computer.
- Verify that the correct driver for the programming cable is installed.
- Use the appropriate programming software version for your radio model.

If problems persist, consult the BAOFENG website or contact customer support for further assistance.

8. SPECIFICATIONS



Image: Technical drawing showing the dimensions of the BAOFENG UV-9R Pro radio, including height (135mm/5.3"), width (55mm/2.17"), and depth (36mm/1.42"), with the antenna extending to 315mm/12.40".

Feature	Specification
Model Number	UV-9R Pro
Brand	BAOFENG
Frequency Range	VHF UHF
Number of Channels	128
Output Power	Up to 8W (High/Mid/Low selectable)
Battery Type	2800mAh Lithium Ion (included)
Water Resistance Level	IP67 Waterproof
Talking Range Maximum	5 Miles (environment dependent)
Special Features	Dual Band, Emergency Alarm, Long Range, Rechargeable, Dual Display, Dual Standby, Built-in LED Flashlight, CTCSS/DCS Codes
Item Weight	~3.1 pounds (package weight)
Package Dimensions	11.57 x 7.56 x 4.65 inches
Compatible Devices	BAOFENG UV-9R Pro, Speaker Mic

9. WARRANTY AND SUPPORT

According to product information, there is no explicit warranty provided for this product. For technical support, programming assistance, or any operational queries, please refer to the official BAOFENG website or contact your retailer.

It is recommended to register your product if an option is available, and keep your purchase receipt for any potential service needs.