BAOFENG UV-5R Pro

BaoFeng UV-5R Pro 8W High Power Radio Instruction Manual

Model: UV-5R Pro

Introduction

Welcome to the instruction manual for your new BaoFeng UV-5R Pro 8W High Power Radio. This handheld two-way radio is designed for reliable communication across 144-148Mhz and 420-450Mhz frequencies, making it suitable for various applications including off-roading, security, project management, restaurant operations, and transport. This manual provides essential information for setup, operation, maintenance, and troubleshooting to ensure optimal performance and longevity of your device.

What's in the Box

Your BaoFeng UV-5R Pro package includes the following components:



Figure 1: All included components in the BaoFeng UV-5R Pro kit.

- 5 x BaoFeng UV-5R Pro Radios
- 5 x 1800 mAh Batteries
- 5 x Standard Antennas
- 5 x Belt Clips
- 5 x Hand Straps
- 5 x TIDRADIO-771 High Gain Antennas
- 5 x User Manuals
- 5 x Chargers
- 5 x Headsets
- 1 x Program Cable

Product Features

- **Long Range & Upgraded Antenna:** High power radio with TD-771 high gain antenna enhances signal reception and transmission distance.
- **Rugged Shell:** Completed with a hard case outside, supports using for years, especially for business and outdoor using, like at the construction field, security work, survival rescue.
- **Manual Programming & Channels:** Convenient manual programming of most settings via the keypad, with 128 customizable channels.
- **Additional Features:** Includes a built-in LED flashlight, VOX (Voice Operated Exchange), scan function, emergency alarm, and monitor. Designed for ease of operation, even for non-experts.
- **Wide Compatibility:** The BF-UV5R Pro ham radio offers wide compatibility, covering commonly used frequency ranges and is compatible with other handheld radios such as the Baofeng UV-5R series, Baofeng BF-F8HP series, and Baofeng UV-82 series.
- **Certifications:** FCC Part 15 and Part 97 Certified; FCC ID: 2AJGM-UV5RPRO. Frequency is 144-148 mhz and 420-450mhz.

PACKING DETAILS



Walkie Talkie × 5



1800 mAh Battery × 5



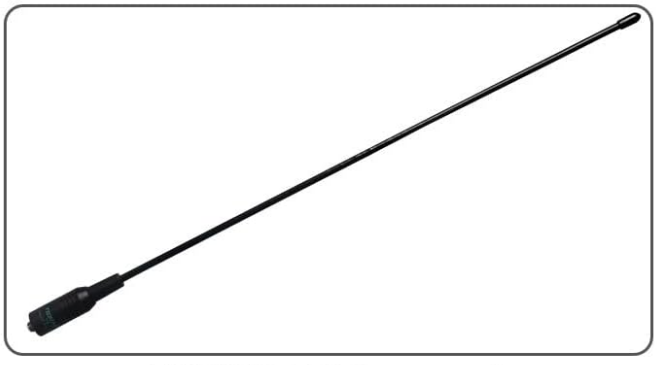
Antenna × 5



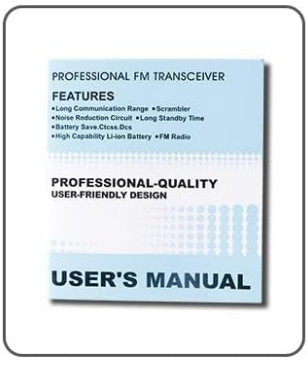
Belt Clip × 5



Hand Strap × 5



TIDRADIO-771 Antenna × 5



Manual × 5



Charger × 5



Headset × 5



Program Cable × 1

Figure 2: Versatile applications of the UV-5R Pro radio.

Setup Guide

1. **Charge the Battery:** Before first use, fully charge the included Lithium Polymer battery using the provided charger. Place the radio (with battery attached) into the charging cradle. The indicator light on the charger will show charging status.
2. **Attach the Antenna:** Screw the desired antenna (standard or TIDRADIO-771 high gain antenna) clockwise onto the antenna connector at the top of the radio until it is finger-tight. Do not overtighten.
3. **Attach Belt Clip and Hand Strap:** Secure the belt clip to the back of the radio using the provided screws. Attach the hand strap to the designated loop for added security.
4. **Power On:** Rotate the ON/OFF/Volume knob clockwise to power on the radio and adjust the volume.



Figure 3: Key components and features of the UV-5R Pro radio.

Operating Instructions

Basic Operation

- **Power On/Off & Volume:** Use the top-mounted knob to turn the radio on/off and adjust the audio volume.
- **Channel/Frequency Selection:** Use the UP/DOWN arrow keys on the keypad to navigate through channels or frequencies.
- **Transmit (PTT):** Press and hold the Push-To-Talk (PTT) button on the left side of the radio to transmit. Release to receive.
- **VFO/MR Mode:** Press the **VFO/MR** button to switch between Frequency Mode (VFO) for direct frequency input and Channel Mode (MR) for stored channels.
- **A/B Band Switch:** Press the **A/B** button to switch between the upper and lower frequency displays.

Setting Transmit Power

You can adjust the transmit power level (High, Mid, Low) for optimal performance and battery life:

1. Press the **MENU** key to enter the menu mode.
2. Use the **UP** and **DOWN** keys to find option 2 (TXP).
3. Press the **MENU** key again to confirm.
4. Use the **UP** and **DOWN** keys to select the desired power level (High, Mid, Low).
5. Press the **MENU** key to confirm your selection.



Figure 4: Steps to adjust transmit power.

Programming Your Radio

The BaoFeng UV-5R Pro can be programmed manually via the keypad for basic settings. For advanced programming, such as managing multiple channels and frequencies, it is highly recommended to use a programming cable and compatible software (e.g., CHIRP).

Using the Programming Cable

The included programming cable allows you to connect your radio to a computer for easier management of frequencies and

settings. This process typically involves:

1. Installing the necessary drivers for the programming cable on your computer.
2. Installing a compatible radio programming software (e.g., CHIRP).
3. Connecting the programming cable to your radio's accessory port and to a USB port on your computer.
4. Using the software to read the radio's current settings, modify channels, frequencies, and other parameters, and then write the new settings back to the radio.



Figure 5: Programming cable and quick start guide for software programming.

Programming Demonstration (User-Generated Video)

The following user-generated video provides a visual guide on how to program a similar BaoFeng radio model using a programming cable and CHIRP software. While the model shown is BF-F8GP, the programming process is largely identical for the UV-5R Pro, especially when using the BF-F8HP settings in CHIRP.

Video 1: User-generated guide on programming a BaoFeng radio with CHIRP software. (Note: This video is user-generated and not an official product video.)

Maintenance

- **Cleaning:** Wipe the radio with a soft, damp cloth. Do not use harsh chemicals or abrasive cleaners.
- **Battery Care:** Avoid overcharging or completely draining the battery. Store the battery in a cool, dry place when not in use for extended periods.
- **Antenna Care:** Ensure the antenna is securely attached. Avoid bending or stressing the antenna excessively.
- **Storage:** Store the radio in a dry, dust-free environment away from extreme temperatures.

Troubleshooting

Problem	Possible Cause	Solution
Radio does not power on	Low or uncharged battery; Battery not properly installed	Charge the battery; Reinstall battery correctly
Cannot transmit or receive	Incorrect frequency/channel; Antenna not attached; Low battery; Squelch level too high	Verify frequency/channel; Attach antenna; Charge battery; Adjust squelch level
Poor audio quality	Weak signal; Antenna issue; Volume too low/high	Move closer to other radio; Check antenna connection; Adjust volume
Programming issues	Incorrect software settings; Driver issues; Cable not connected properly	Ensure correct radio model selected in software (BF-F8HP for UV-5R Pro); Reinstall drivers; Check cable connections

Specifications

Feature	Detail
Brand	BAOFENG
Model Number	UV-5R Pro
Item Weight	6.04 pounds
Package Dimensions	19.5 x 7.75 x 5.65 inches
Country of Origin	China
Batteries	5 Lithium Polymer batteries required (included)
Color	Black
Number of Channels	128
Special Features	Long Range, Dual Band, Emergency Alarm

Feature	Detail
Frequency Range	144-148 Mhz / 420-450Mhz
Tuner Technology	VHF, UHF
Voltage	3.7 Volts
Water Resistance Level	Water Resistant
Included Components	5-pack of BaoFeng UV-5R Pro radios

Safety Information

FCC Compliance

This device complies with part 15 of the FCC Rules, FCC ID: 2AJGM-UV5RPRO. Operation is subject to the condition that this device does not cause harmful interference.

Legal Disclaimer

Restricted to occupational use to satisfy FCC RF exposure limits. Refer to the user manual for specific operating requirements. Modification of this device to receive cellular radiotelephone service signals is prohibited under FCC rules and federal law.





Figure 6: Back of the radio with FCC ID and compliance information.

Support & Additional Resources

For further assistance or detailed information, please refer to the following resources:

- **User Guide (PDF):** Download User Guide
- **Certificate of Compliance (PDF):** Download Certificate

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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