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BAOFENG UV-5G PRO

BAOFENG UV-5G PRO GMRS Handheld Radio Instruction Manual

Model: UV-5G PRO

Introduction

The BAOFENG UV-5G PRO GMRS Handheld Radio is an advanced communication device designed for versatile use. It features an expanded range of receiving frequencies, including GMRS, UHF, VHF, FM, NOAA, Airband, 1.25m (220MHz), and 1m (350MHz). This upgraded model offers enhanced functionality for various communication needs, from recreational activities to emergency preparedness. Its robust design and comprehensive features ensure reliable performance.

Setup Guide

What's in the Box

Your BAOFENG UV-5G PRO package includes the following components:

- 2 x UV-5G Pro Radios
- 2 x 15.5" High-Gain Antennas
- 2 x Standard Antennas
- 2 x Desktop Chargers with Adapters
- 2 x Li-ion Batteries
- 2 x Hand Straps
- 2 x Belt Clips
- 1 x Programming Cable
- 2 x Earpieces



Figure 1: Complete package contents of the BAOFENG UV-5G PRO GMRS Radio.

Battery Installation and Charging

Each radio requires a Lithium Ion battery for operation. To install, align the battery with the back of the radio and slide it into place until it clicks securely. To charge, place the radio (with battery installed) into the provided desktop charger. Connect the charger adapter to a power outlet. The indicator light on the charger will show the charging status. Batteries charge quickly and hold their charge for extended periods.



Figure 2: The radio is compatible with all UV-5R series accessories, including the battery and charger.

Antenna Attachment

The UV-5G PRO comes with two types of antennas: a standard antenna and a 15.5-inch high-gain antenna. For optimal long-range performance, attach the 15.5-inch high-gain antenna by screwing it clockwise onto the top connector of the radio until it is firm. The high-gain antenna can extend your communication range significantly.



Figure 3: The 15.5-inch high-gain antenna provides stable signal and further distance.

Programming the Radio

The UV-5G PRO supports Chirp programming. To program new channels or modify settings, connect the provided programming cable to your computer and the radio. Select "UV-5X" under BAOFENG in the Chirp software. This allows for easy customization of the 128 memory channels, including 30 default channels, 22 pre-programmed GMRS channels, and 8 modifiable GMRS repeater channels. It also supports 50 CTCSS codes and 104 DCS codes for reduced interference.

Operating Instructions

Power On/Off and Volume Control

To power on the radio, rotate the top knob clockwise. Continue rotating to adjust the volume. To power off, rotate the knob counter-clockwise until it clicks.

Channel Selection and Modes

The radio features a digital keypad for direct frequency input and channel selection. Use the 'MENU' button to access settings and navigate through options. The 'A/B' button allows switching between the upper and lower display frequencies (Channel A and Channel B) for dual watch functionality.



Figure 4: The radio supports dual watch, allowing monitoring of two frequencies simultaneously.

Receiving Frequencies and Bands

The UV-5G PRO is an 8-band receiver, significantly expanded from its predecessor. It can receive communications across a wide spectrum:

- GMRS (General Mobile Radio Service)
- UHF (Ultra High Frequency)
- VHF (Very High Frequency)
- FM (Frequency Modulation)
- NOAA Weather Radio (WX band: 162.400-162.550 MHz)
- Airband (108-136 MHz)
- 1.25m (220-225 MHz)
- 1m (350-400 MHz)



Figure 5: The UV-5G PRO offers expanded 8-band receiving capabilities.

GMRS Repeater Capability

The radio is GMRS repeater capable, allowing it to utilize GMRS repeater channels to extend communication range significantly. This feature is crucial for long-distance communication, especially in challenging terrains or large areas.



Figure 6: GMRS Repeater capability extends communication range.

NOAA Scan & Receiver

Stay informed about weather conditions with the integrated NOAA feature. The radio can automatically scan and receive weather reports from NOAA channels, providing timely alerts for severe weather events. This serves as a vital emergency communication option when other networks may be unavailable.



Figure 7: The radio provides access to 11 NOAA Weather Channels for emergency preparedness.

Flashlight Function

The radio includes an integrated flashlight feature. This can be activated for steady illumination or set to a blinking emergency light mode, providing utility in low-light conditions or during emergencies.

Audio Quality and Earpiece Use

The radio offers clear sound quality for effective communication. For private conversations or hands-free operation, connect the included earpiece to the dedicated port on the side of the radio.

Maintenance

To ensure the longevity and optimal performance of your BAOFENG UV-5G PRO radio, follow these maintenance guidelines:

- **Cleaning:** Use a soft, damp cloth to clean the radio's exterior. Avoid using harsh chemicals or abrasive cleaners.
- **Battery Care:** Fully charge the batteries before first use. Store the radio and batteries in a cool, dry place when not in use for extended periods. Avoid overcharging or completely draining the battery to prolong its lifespan.
- **Antenna Care:** Ensure the antenna is securely attached but do not overtighten. Avoid bending or stressing the antenna, as this can affect signal quality.
- **Storage:** Keep the radio away from extreme temperatures, direct sunlight, and moisture.

Troubleshooting

If you encounter issues with your BAOFENG UV-5G PRO radio, consider the following common troubleshooting steps:

- **No Power:** Check if the battery is properly installed and fully charged. Ensure the power/volume knob is turned sufficiently clockwise.
- **Poor Reception/Transmission:** Verify the antenna is securely attached. Check if you are on the correct frequency or channel. Ensure you are within the effective communication range. Obstacles like buildings or dense foliage can reduce range.
- **Static or Interference:** Adjust the squelch level. Ensure CTCSS/DCS codes are correctly set if used. Move to an area with less electromagnetic interference.
- **Buttons Unresponsive:** Power cycle the radio (turn off, then on). If issues persist, a factory reset might be necessary (refer to the programming section or detailed manual for instructions).
- **Programming Issues:** Ensure the programming cable is correctly connected and drivers are installed. Verify the correct radio model is selected in the programming software (e.g., Chirp).

For more complex issues, consult the full owner's manual or contact customer support.

Specifications

Feature	Detail
Model Number	UV-5G PRO
Brand	BAOFENG
Item Weight	2.18 pounds
Package Dimensions	8.78 x 7.95 x 4.09 inches
Country of Origin	China
Batteries	2 Lithium Ion batteries required (included)
Number of Channels	128
Special Features	Voice Operated Transmission, Integrated Flashlight, 8-band receiver, Chirp Programmable
Frequency Range	25-1300 MHz (GMRS, UHF, VHF), 108-136 MHz (Airband), 220-225 MHz (1.25m), 350-400 MHz (1m), and NOAA Weather (WX) band (162.400-162.550 MHz)
Talking Range Maximum	15 Miles
Tuner Technology	GMRS
Voltage	12 Volts (DC)
Water Resistance Level	Water Repellent

Warranty and Support

Warranty Information

The BAOFENG UV-5G PRO GMRS Handheld Radio comes with an 18-month warranty from the date of purchase. Please retain your proof of purchase for warranty claims.

Customer Support

For any technical assistance, troubleshooting, or warranty inquiries, please refer to the contact information provided on the BAOFENG official website or your retailer's support channels. Always provide your product model number and purchase details when seeking support.

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