BAOFENG UV-17 PRO GPS

BAOFENG UV-17 PRO GPS Ham Radio User Manual

Model: UV-17 PRO GPS

1. Introduction

The BAOFENG UV-17 PRO GPS is an advanced amateur radio designed for long-range communication, offering a robust set of features including GPS functionality, frequency copying, and NOAA weather reception. This handheld two-way radio is an upgraded version of the UV-17R, providing enhanced capabilities and user convenience. It supports VHF/1.25M/UHF bands and boasts an impressive 999 channel capacity, organized into 10 groups, each with 99 channels. Multiple charging methods, including USB and base charging, ensure flexibility for various environments.

2. What's in the Box

Upon unboxing your BAOFENG UV-17 PRO GPS Ham Radio, please verify that all the following components are included:

- 2 x UV-17 PRO GPS Radios
- 2 x 771 High Gain Antennas
- 2 x Rechargeable Lithium Ion Batteries
- 2 x Headsets
- 2 x USB Chargers
- 2 x Desktop Chargers (Base Chargers)
- 2 x Original Antennas
- 2 x Belt Clips



Image: All components included in the BAOFENG UV-17 PRO GPS Ham Radio package.

3. Setup Guide

3.1 Battery Installation

1. Ensure the radio is powered off.
2. Locate the battery compartment on the back of the radio.
3. Align the battery with the compartment, ensuring the contacts match.
4. Gently push the battery into place until it clicks securely.

3.2 Antenna Attachment

1. Locate the antenna connector on the top of the radio.
2. Screw the desired antenna (either the original or the 771 high gain antenna) clockwise onto the connector until it is finger-tight. Do not overtighten.

3.3 Charging the Radio

The UV-17 PRO GPS supports both USB Type-C direct charging and traditional base charging.

- **Base Charging:** Place the radio into the desktop charger cradle. Ensure the charging contacts align. The indicator light on the charger will typically show charging status.
- **USB Type-C Charging:** Connect a USB Type-C cable to the port on the side of the radio and to a compatible USB power source (e.g., car charger, PC, power bank, or wall adapter).



Image: Illustration of the multi-charging methods available for the UV-17 PRO GPS radio.

4. Operating Instructions

4.1 Power On/Off

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

4.2 Channel Selection and Communication

The radio features 999 channels, which can be organized into 10 groups. Use the up/down arrow keys or the keypad to navigate and select desired channels. Press the PTT (Push-To-Talk) button on the side of the radio to transmit, and release to receive.

4.3 GPS Functionality

The integrated GPS function allows you to view your current location coordinates and the location of your teammates (if they also have GPS-enabled radios and are sharing their location). This feature aids in navigation and coordination, especially in outdoor environments.



Image: The radio's display showing GPS mode, indicating current location and direction confirmation.

4.4 Copy Frequency Feature

The quick copy frequency feature allows the radio to rapidly acquire and replicate frequencies from other radios without manual input or complex programming. This simplifies setting up communication with other devices.



VHF/1.25M/UHF	Frequency(TX)	VHF/UHF
✓	AM(RX)	X
✓	GPS	X
✓	Copy Frequency	X
✓	NOAA Weather	X
999CH (Need to set up grouping, one group has 99CH)	Channels	128CH
Type-C & Base Charging	Charger	Base Charging

Image: Visual representation of the quick copy frequency function, requiring no programming.

4.5 NOAA Weather Receiver

The built-in NOAA weather receiver provides real-time weather updates and alerts from 10 NOAA weather channels. This feature is crucial for planning outdoor activities and ensuring safety by staying informed about changing weather conditions.



Image: The radio's interface showing access to 10 NOAA Weather Channels and various weather conditions.

4.6 High Gain 771 Antenna

The included high gain 771 antenna is lightweight and flexible, designed to improve signal reception and transmission range. It is particularly beneficial for outdoor activities where signal strength is critical.



Image: Detailed view of the high gain 771 antenna, emphasizing its ability to improve signal and distance.

5. Maintenance

Proper maintenance ensures the longevity and optimal performance of your BAOFENG UV-17 PRO GPS radio.

- **Cleaning:** Use a soft, damp cloth to clean the radio's exterior. Avoid using harsh chemicals or abrasive cleaners.
- **Battery Care:** Store batteries in a cool, dry place. If not using the radio for an extended period, remove the batteries. Avoid overcharging or completely draining the batteries frequently.
- **Water Resistance:** Please note that this radio is **Not Water Resistant**. Avoid exposure to water or high humidity to prevent damage.
- **Antenna Care:** Handle the antenna carefully. Do not bend it excessively or use the antenna to carry the radio.

6. Troubleshooting

If you encounter issues with your radio, refer to the following common troubleshooting steps:

- **Radio not powering on:** Ensure the battery is properly installed and charged. Check the power/volume knob position.
- **Cannot transmit or receive:** Verify that the radio is on the correct channel and frequency. Check antenna connection. Ensure the battery has sufficient charge.
- **Poor audio quality:** Check the volume level. Ensure the antenna is securely attached. Move to an area with less interference.
- **GPS not acquiring signal:** Ensure you are in an open area with a clear view of the sky. It may take a few minutes for the GPS to acquire satellites.
- **Copy Frequency not working:** Ensure the transmitting radio is within range and actively transmitting. Follow the specific steps in the radio's on-screen menu for the copy function.

For more complex issues or if troubleshooting steps do not resolve the problem, please refer to online resources or contact BAOFENG customer support.

7. Specifications

Feature	Description
Model Number	UV-17 PRO GPS
Brand	BAOFENG
Frequency Range	VHF UHF (VHF/1.25M/UHF capable of transmitting)
Number of Channels	999 (divided into 10 groups, 99 channels per group)
Special Features	Long Range, Rechargeable, Weather Alert (NOAA), Keypad Lock, GPS, Copy Frequency
Battery Type	Lithium Ion (2 included)
Charging Methods	USB Type-C, Desktop Base Charger
Color	Orange
Water Resistance Level	Not Water Resistant
FCC ID	2AJGM-UV17
Item Weight	Approximately 2.79 pounds (for the package)
Package Dimensions	9.17 x 8.43 x 4.65 inches

8. Warranty and Support

For information regarding product warranty, returns, or technical support, please refer to the documentation provided with your purchase or contact the seller directly. Additional protection plans may be available for purchase separately to extend coverage.

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