



Manuals.plus /

› BAOFENG /

› BAOFENG UV-17 PRO GPS Ham Radio User Manual

BAOFENG UV-17 PRO GPS

BAOFENG UV-17 PRO GPS Ham Radio User Manual

Model: UV-17 PRO GPS

INTRODUCTION

This manual provides comprehensive instructions for the operation, maintenance, and troubleshooting of your BAOFENG UV-17 PRO GPS Ham Radio. Please read this manual thoroughly before using the device to ensure safe and optimal performance.



Image: The BAOFENG UV-17 PRO GPS Ham Radio package contents, showing two radios and included accessories.

PACKAGE CONTENTS

Upon opening the package, verify that all items listed below are present and in good condition:

- 2 x BAOFENG UV-17 PRO GPS Radios
- 2 x 771 High Gain Antennas
- 2 x Lithium Ion Batteries
- 2 x USB-C Chargers
- 2 x Base Chargers
- 2 x Headsets

KEY FEATURES

- **Multi-Band Operation:** Capable of transmitting across VHF, 1.25M, and UHF frequencies.

- **999 Channel Capacity:** Organize channels into 10 groups, each with 99 channels.
- **Integrated GPS Function:** View your current location and that of teammates for improved navigation and communication.
- **Quick Copy Frequency:** Easily copy frequencies from other radios without manual input.
- **NOAA Weather Receiver:** Access real-time weather updates for enhanced safety and planning.
- **Multiple Charging Methods:** Supports both USB-C direct charging and traditional base charging.
- **High Gain Antenna:** Enhances signal strength for clear and reliable transmission.
- **Additional Features:** Emergency alarm, integrated flashlight, long-range capability, rechargeable battery.



Image: Overview of the BAOFENG UV-17 PRO GPS's primary features.

SETUP

1. Battery Installation and Charging

1. **Install Battery:** Align the battery with the grooves on the back of the radio and slide it into place until it clicks securely.

2. Charge Battery:

- **Using Base Charger:** Place the radio into the charging cradle. Ensure the charging contacts align. The indicator light will show charging status.
- **Using USB-C Charger:** Connect the USB-C cable directly to the radio's USB-C port and to a compatible power source (e.g., wall adapter, power bank, computer USB port).



Image: Illustration of the multiple charging options available for the radio.

3. **Initial Charge:** For first use, charge the battery completely (approximately 4-5 hours) before operation.

2. Antenna Attachment

Screw the provided 771 High Gain Antenna clockwise onto the antenna connector at the top of the radio until it is finger-tight. Do not overtighten.

High Gain 771 Antenna

In addition to the antenna equipped on the walkie talkie itself, we also have high gain 771 antenna that can improve signal and distance, meeting your needs in different situations.



Image: The high gain 771 antenna, designed to improve signal strength and range.

3. Powering On/Off

Rotate the power/volume knob clockwise to turn on the radio. Continue rotating to adjust the volume. Rotate counter-clockwise until a click is heard to turn off the radio.

OPERATING INSTRUCTIONS

1. Channel Selection and Frequency Input

Use the keypad to directly input frequencies or navigate through pre-programmed channels. The radio supports 999 channels, organized into 10 groups.

2. Transmitting and Receiving

- **To Transmit:** Press and hold the Push-To-Talk (PTT) button on the side of the radio. Speak clearly into the microphone. Release the PTT button to stop transmitting.

- **To Receive:** The radio will automatically receive signals on the selected frequency/channel. Adjust volume for clarity.

3. GPS Functionality

The integrated GPS allows you to view your current coordinates and the location of other GPS-enabled BAOFENG radios in your group. Access the GPS menu through the radio's interface to view location data and facilitate direction confirmation.



GPS mode allows viewing the current location and easier confirmation of direction.

Image: The GPS display on the radio, showing location information.

4. Copy Frequency Feature

This feature allows for rapid frequency replication from another radio without manual programming. Consult the on-screen prompts or specific menu options to initiate the frequency copy process.

Quick Copy Frequency

No programming Required



Image: Visual representation of the quick frequency copy function.

5. NOAA Weather Radio

Activate the NOAA Weather Receiver function to receive real-time weather alerts and forecasts from the National Weather Service. This feature is crucial for outdoor activities and emergency preparedness.



Image: The NOAA Weather Radio feature, providing access to weather channels.

6. Emergency Alarm and Flashlight

The radio includes an emergency alarm function for distress signaling and an integrated flashlight for illumination in low-light conditions. Refer to the radio's menu for activation procedures.

MAINTENANCE

- **Cleaning:** Use a soft, damp cloth to clean the radio's exterior. Do not use harsh chemicals or abrasive cleaners.
- **Battery Care:** Store batteries in a cool, dry place when not in use. Avoid overcharging or completely draining the battery frequently to prolong its lifespan.
- **Storage:** When storing the radio for extended periods, remove the battery and store the radio in a dry, dust-free environment.
- **Water Resistance:** This radio is *Not Water Resistant*. Avoid exposure to water or high humidity.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Radio does not power on.	Battery is low or not installed correctly.	Charge the battery. Reinstall the battery, ensuring it clicks into place.
Cannot transmit or receive.	Incorrect frequency/channel, antenna not attached, or out of range.	Verify frequency/channel. Ensure antenna is securely attached. Move closer to the other radio.
Poor audio quality.	Low battery, weak signal, or incorrect volume.	Charge battery. Adjust antenna position. Increase volume.
GPS not acquiring signal.	Obstructed view of sky, indoors.	Move to an open outdoor area with clear sky visibility.

SPECIFICATIONS

Feature	Detail
Model Number	UV-17 PRO GPS
Frequency Range	VHF, 1.25M, UHF
Number of Channels	999
Battery Type	Lithium Ion (2 included)
Charging Methods	USB-C, Base Charger
Special Features	GPS, NOAA Weather Receiver, Copy Frequency, Emergency Alarm, Integrated Flashlight, Long Range
Talking Range Maximum	1 Mile
Water Resistance Level	Not Water Resistant
FCC ID	2AJGM-UV17

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: Feature comparison between UV-17 PRO GPS and UV-5R models.

WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the official BAOFENG website or contact their customer service. Keep your purchase receipt as proof of purchase.

Manufacturer: BAOFENG

Date First Available: November 5, 2024

For further assistance, you may visit the BAOFENG Store on Amazon.

APPLICATION SCENARIOS

The BAOFENG UV-17 PRO GPS Ham Radio is designed for a variety of uses, including but not limited to:

- Camping and Outdoor Adventures
- Rock Climbing

- Cycling
- Mountaineering
- Hunting
- Survival Gear

APPLICATION



Camping



Rock Climbing



Cycling



Mountaineering

Image: Common application scenarios for the BAOFENG UV-17 PRO GPS radio.