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BAOFENG UV-17H

BAOFENG UV-17H GPS Walkie Talkie User Manual

Model: UV-17H
Brand: BAOFENG

1. Introduction

This manual provides detailed instructions for the operation and maintenance of your BAOFENG UV-17H GPS Walkie Talkie. Please read this manual thoroughly before using the device to ensure proper function and safety.
The BAOFENG UV-17H is a high-power handheld radio featuring GPS functionality, a 1.77-inch LCD screen, USB-C charging, and support for 999 memory channels. It is designed for reliable communication in various environments.

2. Package Contents

Verify that all items listed below are included in your package:

- 1x BAOFENG UV-17H Radio
- 1x USB-C Charging Battery
- 1x High Gain Antenna
- 1x Charger Dock
- 1x Belt Clip
- 1x Strap
- 1x USB-C Cable
- 1x Screwdriver
- 1x 771 Antenna
- 1x Headset



Image: All components included in the BAOFENG UV-17H GPS Walkie Talkie package, including the radio unit, two antennas, battery, charger, USB-C cable, belt clip, strap, screwdriver, and earpiece.

3. Product Overview

The BAOFENG UV-17H features a robust design with a 1.77-inch color LCD screen and a full keypad for intuitive operation. Key features include GPS, NOAA weather channels, FM radio, and a built-in flashlight.



Image: Front view of the BAOFENG UV-17H radio, highlighting key components such as the antenna, indicator light, switch, flashlight key, PTT key, squelch key, keypad, 1.77in LCD screen, connector for microphone, speaker, and flashlight.

Key Features:

- **1.77" Color Screen:** Provides clear display of operational information.
- **999 Memory Channels:** Ample storage for various frequencies.
- **5W Output Power:** Ensures strong signal transmission.
- **Dual Watch, Dual Standby:** Monitor two frequencies simultaneously.
- **GPS Functionality:** For accurate real-time positioning and sharing.
- **USB-C Charging:** Convenient and versatile charging option.
- **10 NOAA Weather Channels:** Access to weather alerts.
- **Frequency Hopping & Scramble Functions:** Enhanced communication privacy.
- **Built-in Flashlight:** For illumination in low-light conditions.

- **FM Radio Broadcast:** For entertainment and information.

4. Setup

4.1. Battery Installation and Charging

1. **Install the Battery:** Align the battery with the grooves on the back of the radio and slide it into place until it clicks securely.
2. **Charge the Battery:**
    - Connect the USB-C cable to the radio's USB-C port or place the radio in the charging dock.
    - Connect the other end of the USB-C cable to a compatible USB power source (e.g., car charger, PC USB port, power bank) or plug the charger dock into a power outlet.
    - The charging indicator light will typically show red during charging and turn green when fully charged. Charging time is approximately 3 hours.



Image: The BAOFENG UV-17H radio connected to a USB-C cable for charging, illustrating compatibility with car chargers, PC USB ports, and power banks. Battery life is approximately 2 days, standby 3 days, and charging time is around 3 hours.

4.2. Antenna Attachment

Screw the desired antenna (High Gain or 771 Antenna) clockwise onto the antenna connector on top of the radio until it is finger-tight. Do not overtighten.

4.3. Earpiece/Headset Connection

Plug the earpiece into the audio jack located on the side of the radio. Ensure it is fully inserted for proper audio transmission and reception.

5. Operating Instructions

5.1. Power On/Off and Volume Control

- **Power On:** Rotate the power/volume knob clockwise until you hear a click. The screen will illuminate.
- **Power Off:** Rotate the power/volume knob counter-clockwise until you hear a click and the screen turns off.
- **Volume Adjustment:** Rotate the power/volume knob to adjust the audio output level.

5.2. Basic Communication

1. **Select Frequency/Channel:** Use the keypad to enter a frequency or navigate through memory channels using the UP/DOWN arrow keys.
2. **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 listen.
3. **Receive:** The radio will automatically receive signals on the selected frequency/channel when the PTT button is not pressed.

5.3. GPS Functionality

The integrated GPS module provides real-time positioning. Access GPS features through the radio's menu system. Refer to the on-screen prompts for specific GPS operations such as viewing coordinates or sharing location data.



Image: The BAOFENG UV-17H radio screen showing GPS functionality, with a map icon and text indicating "Global Positioning System" and "Ensure more accurate real-time positioning and sharing."

5.4. NOAA Weather Channels

To access NOAA weather channels and receive alerts, navigate to the weather channel function in the radio's menu. The radio supports 10 NOAA weather channels and features a weather alarm function.

5.5. Other Functions

- **Flashlight:** Activate the built-in flashlight using the dedicated flashlight key or through the menu.
- **FM Radio:** Tune into FM radio broadcasts via the menu.
- **VOX (Voice Operated Transmission):** Enable VOX for hands-free transmission. Adjust sensitivity in the menu.
- **Scan Modes:** Utilize Time, Carrier, or Search scan modes to find active frequencies.
- **CTCSS/DCS Scan:** Scan for CTCSS/DCS tones/codes.
- **DTMF:** Use Dual-Tone Multi-Frequency signaling for various applications.

6. Maintenance

- **Cleaning:** Use a soft, damp cloth to clean the radio's exterior. Do not use harsh chemicals or solvents.
- **Battery Care:**
  - Avoid fully discharging the battery frequently.
  - Store the radio and battery in a cool, dry place when not in use for extended periods.
- **Antenna Care:** Ensure the antenna is securely attached but not overtightened. Avoid bending or stressing the antenna.
- **Water Resistance:** The device is water repellent. Avoid submerging the radio in water.

7. Troubleshooting

Problem	Possible Cause	Solution
Radio does not power on.	Battery is dead or not properly installed.	Charge the battery or re-install it correctly.
Cannot transmit or receive.	Incorrect frequency/channel, antenna not connected, or low battery.	Verify frequency, check antenna connection, charge battery.
Poor audio quality.	Low volume, weak signal, or earpiece issue.	Adjust volume, move to an area with better signal, check earpiece connection.
GPS not acquiring signal.	Operating indoors or in an area with obstructed sky view.	Move to an open outdoor area with a clear view of the sky.

8. Specifications

Feature	Detail
Model Number	UV-17H
Screen	1.77" Color LCD
Memory Channels	999
Output Power	5W
Frequency Range	144-148MHz, 420-450MHz
Talking Range Maximum	10 Kilometer
Battery Type	Lithium Ion (1 required)
Voltage	7.4 Volts (DC)
Charging	USB-C, Charger Dock
Special Features	GPS, 10 NOAA Channels, One Key Match Frequency, Frequency Hopping, Scramble Function, Flashlight, FM Radio
Water Resistance Level	Water Repellent

Feature	Detail

9. Warranty and Support

The BAOFENG UV-17H GPS Walkie Talkie comes with a**1-year warranty** provided exclusively through "Shiqun Electronics Co., Ltd". For warranty claims or technical support, please contact your point of purchase or refer to the contact information provided with your product documentation.

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