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BAOFENG UV-17H

BAOFENG UV-17H Two Way Radio User Manual

Model: UV-17H

1. Introduction

This manual provides detailed instructions for the operation and maintenance of your BAOFENG UV-17H Two Way Radio. Please read this manual thoroughly before using the radio to ensure proper function and safety.
The BAOFENG UV-17H is a versatile six-band walkie-talkie featuring GPS functionality, a 1.77-inch color LCD screen, 999 memory channels, and NOAA weather channel access. It is designed for reliable communication in various environments.

2. Safety Information

Always observe the following safety precautions to reduce the risk of fire, electric shock, or personal injury:

- Do not operate the radio in explosive atmospheres (e.g., flammable gases, dust particles, metallic powders).
- Do not charge the battery in wet environments.
- Use only BAOFENG approved batteries and chargers.
- Do not disassemble or modify the radio.
- Keep the radio away from medical devices.
- Avoid prolonged exposure to direct sunlight or extreme temperatures.

3. Package Contents

Verify that all items are present 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 Programming Cable
- 1x Shoulder Speaker Microphone



Image: Complete package contents of the BAOFENG UV-17H Two Way Radio.

4. Product Overview

Familiarize yourself with the components and controls of your UV-17H radio.



Image: Front view of the BAOFENG UV-17H radio with labeled parts.

Key Features:

- **1.77-inch Color Screen:** Provides clear display of channels, frequencies, and settings.
- **999 Memory Channels:** Ample storage for various frequencies.
- **5W Output Power:** Ensures strong signal transmission.
- **Dual Watch, Dual Standby:** Monitor two frequencies simultaneously.
- **Three Scan Modes:** Time, Carrier, and Search for efficient channel scanning.
- **VOX (Voice Operated Transmission):** Hands-free operation.
- **Alarm Mode:** Site/Code/Tone for emergency alerts.
- **Frequency Hopping & Scramble Functions:** Enhances communication privacy.
- **CTCSS/DCS Scan:** For selective calling.

- **Roger Beep:** Audible tone indicating end of transmission.
- **DTMF:** Dual-Tone Multi-Frequency signaling.
- **Two Lamp Beads Torch / Flashlight:** Built-in illumination.
- **FM Radio Broadcast:** For entertainment.
- **GPS Functionality:** For accurate real-time positioning.
- **Type-C Charging:** Convenient charging via USB-C.
- **10 NOAA Weather Channels:** Access to real-time weather alerts.



Image: The BAOFENG UV-17H highlighting its GPS capabilities.

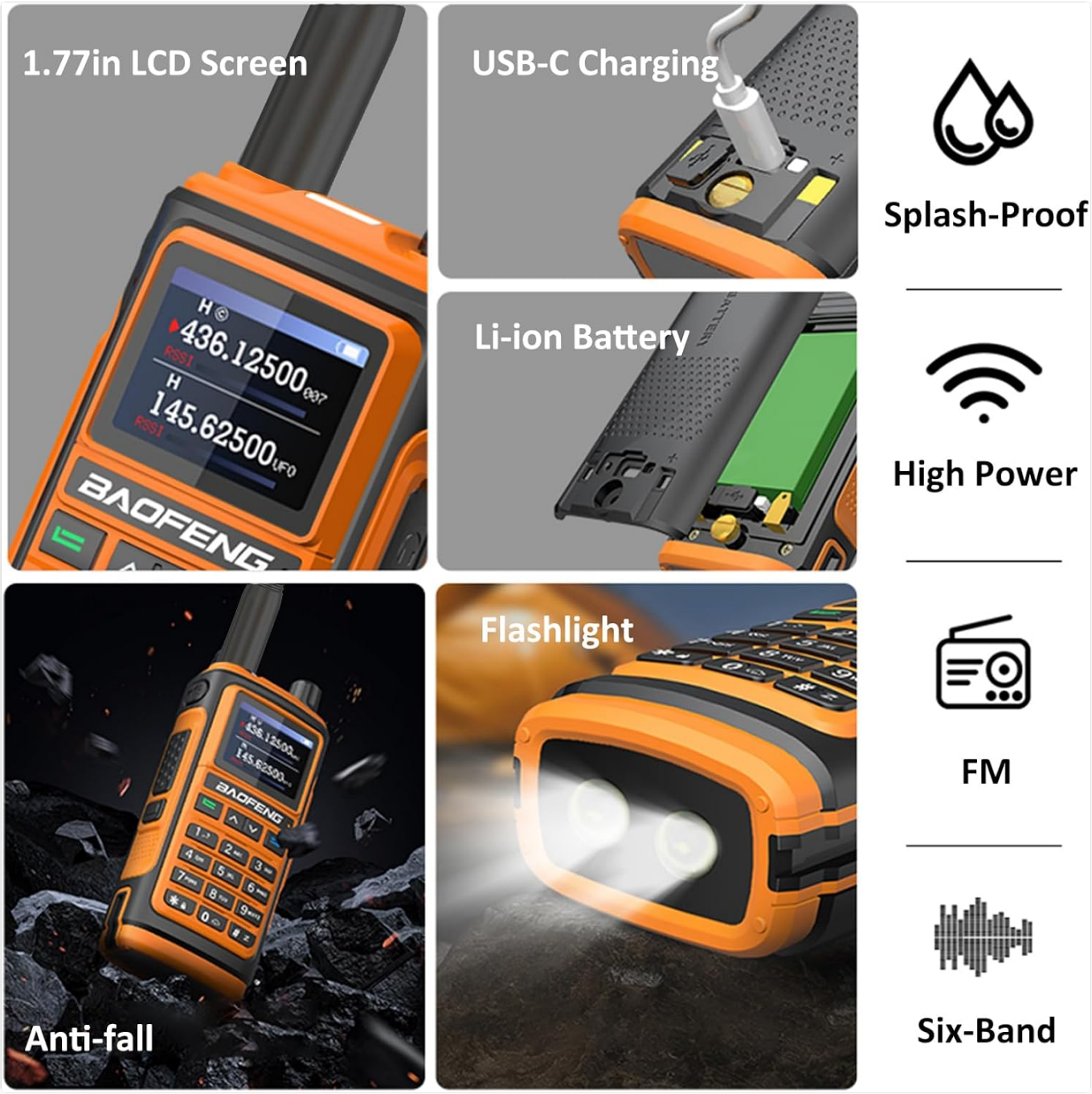


Image: Visual representation of key features like LCD screen, USB-C charging, and flashlight.

5. Setup

5.1. Battery Installation and Charging

The UV-17H uses a Lithium-Ion battery. Ensure the battery is fully charged before first use.

1. **Install Battery:** Align the battery with the grooves on the back of the radio and slide it upwards until it clicks into place.
2. **Charge Battery:**
    - **Using Charger Dock:** Place the radio with the battery installed into the charger dock. Ensure the charging indicator light on the dock illuminates.
    - **Using USB-C Cable:** Connect the USB-C cable to the radio's USB-C port and to a compatible USB power source (e.g., wall adapter, car charger, power bank).
3. **Charging Indicator:** The indicator light on the radio or charger will show charging status (e.g., red for charging,

green for fully charged).



Image: USB-C charging options and battery life estimates for the BAOFENG UV-17H.

5.2. Antenna Installation

Screw the high gain antenna clockwise into the antenna connector on top of the radio until it is firmly seated.

5.3. Attaching Accessories

Attach the belt clip to the back of the radio using the provided screws and screwdriver. The strap can be attached to the designated loop for added security.
The shoulder speaker microphone connects to the audio jack on the side of the radio.

6. Operating Instructions

6.1. Power On/Off and Volume Control

To power on the radio, rotate the power/volume knob clockwise. Continue rotating to adjust the volume. Rotate counter-

clockwise until a click is heard to power off.

6.2. Basic Communication

1. **Select Channel/Frequency:** Use the keypad or navigation buttons to select your desired channel or input a frequency.
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 channel/frequency.

6.3. Menu Navigation

The UV-17H features a comprehensive menu system accessible via the menu button. Use the up/down arrows to navigate through options and the menu button again to confirm selections.

6.4. Advanced Features

- **GPS Functionality:** The radio's GPS feature provides location data. Refer to the on-screen display for coordinates and navigation information.
- **NOAA Weather Channels:** Access dedicated NOAA channels for real-time weather forecasts and alerts. Consult the menu for NOAA channel selection.
- **VOX (Voice Operated Transmission):** Enable VOX in the menu to transmit automatically when you speak, without pressing the PTT button. Adjust VOX sensitivity as needed.
- **Scanning:** Use the scan function to find active channels. The radio supports Time, Carrier, and Search scan modes.
- **FM Radio:** Activate the FM radio function to listen to broadcast radio stations.
- **Flashlight:** Press the dedicated flashlight key to turn the built-in torch on or off.

7. Maintenance

7.1. Cleaning

Wipe the radio's surface with a soft, damp cloth. Do not use harsh chemicals or abrasive cleaners. Ensure the USB-C port cover is closed to prevent dust and moisture ingress.

7.2. Battery Care

- Store batteries in a cool, dry place when not in use.
- Avoid fully discharging the battery frequently to prolong its lifespan.
- If the radio will not be used for an extended period, remove the battery.

7.3. Antenna Care

Ensure the antenna is securely attached. Avoid bending or forcing the antenna, as this can damage the connector.

8. Troubleshooting

Problem	Possible Cause	Solution

Problem	Possible Cause	Solution
Radio does not power on.	Battery is low or not installed correctly.	Charge the battery or re-install it.
Cannot transmit or receive.	Incorrect frequency/channel, antenna loose, or battery low.	Verify frequency/channel, check antenna connection, charge battery.
Poor audio quality.	Volume too low/high, squelch level too high, or interference.	Adjust volume, lower squelch level, move away from interference sources.
GPS not acquiring signal.	Operating indoors or in an area with poor satellite visibility.	Move to an open outdoor area with clear sky view.

9. Specifications

Feature	Detail
Model Number	UV-17H
Display	1.77-inch Color LCD Screen
Channels	999 Memory Channels
Output Power	5W
Frequency Range	144-148MHz, 420-450MHz (Six-Band)
Battery Type	Lithium Ion
Charging	USB-C, Charger Dock
Special Features	GPS, 10 NOAA Weather Channels, Dual Watch, Dual Standby, VOX, Frequency Hopping, Scramble, Flashlight, FM Radio
Water Resistance Level	Water Repellent
Voltage	7.4 Volts (DC)

10. Warranty and Support

10.1. Warranty Information

The BAOFENG UV-17H radio comes with a **1-year warranty** provided only through "Shiqun Electronics Co., Ltd." Please retain your proof of purchase for warranty claims.

10.2. Customer Support

For technical assistance, troubleshooting, or warranty inquiries, please contact your retailer or the manufacturer directly. Refer to the contact information provided with your purchase or visit the official BAOFENG website.
For additional resources, you may visit the BAOFENG Store on Amazon.

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