

BAOFENG UV-17H

BAOFENG UV-17H Two Way Radio User Manual

Model: UV-17H | Brand: BAOFENG

INTRODUCTION

The BAOFENG UV-17H is an advanced two-way radio designed for reliable communication in various environments. This device features integrated GPS functionality for navigation, a 1.77-inch color LCD screen, and support for 999 memory channels. It operates across six bands and includes NOAA weather channels for real-time alerts. The UV-17H is equipped with USB-C charging for convenience and incorporates security features such as frequency hopping and scramble functions to maintain communication privacy. This manual provides detailed instructions for the proper setup, operation, and maintenance of your UV-17H radio.

PACKAGE CONTENTS

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

- 1x BAOFENG UV-17H Radio Unit
- 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



Figure 1: BAOFENG UV-17H radio unit with all standard accessories, including the radio, battery, antenna, charging dock, cables, and shoulder microphone.

PRODUCT OVERVIEW

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



Figure 2: Front and side view of the UV-17H radio with key components labeled, including the antenna, indicator light, power switch, flashlight key, Push-to-Talk (PTT) button, squelch key, numeric keypads, 1.77-inch LCD screen, microphone connector, speaker, and bottom flashlight.



Figure 3: Visual representation of key features: 1.77-inch LCD screen, USB-C charging, Li-ion battery, splash-proof construction, high power output, FM radio, six-band operation, anti-fall design, and integrated flashlight.

SETUP

1. Battery Installation

The BAOFENG UV-17H uses a rechargeable Lithium-Ion battery. To install the battery:

1. Ensure the radio is powered off.
2. Align the battery pack with the battery compartment on the back of the radio.
3. Gently slide the battery into place until it clicks securely.
4. To remove, press the battery release latch (if present) and slide the battery out.

2. Charging the Battery

The UV-17H supports convenient USB-C charging. There are two primary methods for charging:

- **Using the Charger Dock:** Place the radio with the battery installed into the provided charger dock. Connect the

AC adapter to the dock and a power outlet. The indicator light on the dock will show charging status.

- **Direct USB-C Charging:** Connect the supplied USB-C cable directly to the USB-C port on the radio's battery pack and to a compatible USB power source (e.g., car charger, PC USB port, power bank).

A full charge typically takes approximately 3 hours. The radio offers an approximate battery life of 2 days and a standby time of 3 days.

USB-C Charging



Car Charger



PC USB



Charger Bank



Battery Life
2 Days
Approx

Stand-by
3 Days
Approx

Charging time
3hrs
Approx

Figure 4: USB-C charging options for the UV-17H, including car charger, PC USB, and power bank, along with estimated battery performance metrics.

3. Attaching the Antenna and Belt Clip

- **Antenna:** Screw the high-gain antenna clockwise onto the connector at the top of the radio until it is finger-tight. Do not overtighten.
- **Belt Clip:** Use the provided screwdriver to attach the belt clip to the designated screw holes on the back of the radio.

OPERATING INSTRUCTIONS

1. Power On/Off and Volume Control

- **Power On:** Rotate the power/volume knob (located at the top of the radio) clockwise until you hear a click. The LCD screen will illuminate.
- **Power Off:** Rotate the power/volume knob counter-clockwise until you hear a click and the screen turns off.
- **Volume Adjustment:** Continue rotating the power/volume knob clockwise to increase volume, and counter-clockwise to decrease volume.

2. Channel Selection and Frequency Mode

The UV-17H supports 999 memory channels and direct frequency input.

- **Channel Mode:** Use the UP/DOWN arrow keys to navigate through programmed channels.
- **Frequency Mode:** Enter frequencies directly using the numeric keypad. Press the appropriate function key to switch between Channel and Frequency modes.

3. Dual Watch and Dual Standby

The radio can monitor two different frequencies or channels simultaneously. Refer to the full user manual for detailed instructions on activating and configuring Dual Watch/Dual Standby.

4. Transmitting and Receiving

- **Receiving:** When a signal is detected on the active frequency/channel, the radio will automatically open the squelch and output audio.
- **Transmitting:** 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 return to receive mode.

5. Advanced Features

- **NOAA Weather Channels:** Access 10 NOAA weather channels for real-time weather alerts. Consult the full manual for channel access and weather alarm setup.
- **GPS Functionality:** The integrated GPS provides positioning capabilities. Refer to the full manual for GPS activation, data display, and potential sharing features.
- **Frequency Hopping & Scramble:** These features enhance communication privacy. Activation and configuration details are in the comprehensive manual.
- **Scanning Modes:** The radio offers Time, Carrier, and Search scan modes.
- **VOX (Voice Operated Transmission):** Allows hands-free transmission when voice is detected.
- **Flashlight:** Activate the built-in flashlight using the dedicated flashlight key.
- **FM Radio Broadcast:** Tune into standard FM radio stations for entertainment.



Figure 5: The UV-17H's GPS feature, enabling accurate real-time positioning and location sharing.

UV-17H



GPS

6-Band

- ✓ FM
- ✓ NOAA
- ✓ Flashlight
- ✓ USB-C Charging



Figure 6: Key features of the UV-17H, including GPS, six-band operation, FM radio, NOAA weather alerts, built-in flashlight, and USB-C charging.

MAINTENANCE

- **Cleaning:** Use a soft, damp cloth to clean the radio's exterior. Do not use harsh chemicals or abrasive cleaners.
- **Battery Care:** To prolong battery life, avoid fully discharging the battery frequently. Store the radio and battery in a cool, dry place when not in use for extended periods.
- **Antenna:** Ensure the antenna is securely attached but do not overtighten. Avoid bending or stressing the antenna.
- **Water Resistance:** The radio is water repellent. Avoid submerging the device in water. If exposed to moisture, wipe it dry immediately.

TROUBLESHOOTING

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
Radio does not power on.	Battery is not installed correctly or is discharged.	Ensure battery is securely installed. Charge the battery fully.
Cannot transmit or receive.	Incorrect frequency/channel selected; antenna not connected; low battery.	Verify frequency/channel. Check antenna connection. Recharge battery.
Poor audio quality.	Weak signal; incorrect squelch setting; speaker/microphone obstruction.	Move closer to transmitting radio. Adjust squelch level. Clear any obstructions.
Battery not charging.	Charger/cable faulty; improper connection.	Check charger and USB-C cable. Ensure secure connection to radio and power source.

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 (UHF/VHF)
Special Features	10 NOAA Channels, GPS, One Key Match Frequency, USB-C Charging, Dual Watch, Dual Standby, Three Scan Modes, VOX, Alarm Mode, Frequency Hopping, CTCSS/DCS Scan, Roger Beep, DTMF, Two Lamp Beads Torch, FM Radio Broadcast
Battery	1 Lithium Ion battery required
Voltage	7.4 Volts (DC)
Water Resistance	Water Repellent
Country of Origin	China
Manufacturer	BAOFENG Electronics CO., Ltd

WARRANTY AND SUPPORT

The BAOFENG UV-17H radio comes with a 1-year warranty provided exclusively through "Shiqun Electronics Co., Ltd". For warranty claims, technical support, or service inquiries, please contact the seller directly or refer to the contact information provided with your purchase documentation.

For additional resources and frequently asked questions, you may visit the official BAOFENG website or the BAOFENG Store on Amazon.

Manufacturer: BAOFENG Electronics CO., Ltd