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BAOFENG UV-18H

BAOFENG UV-18H 6 Band Ham Radio User Manual

Model: UV-18H

Introduction

This manual provides comprehensive instructions for the setup, operation, and maintenance of your BAOFENG UV-18H 6 Band Ham Radio. Please read this manual thoroughly before using the device to ensure proper functionality and safety. The UV-18H is a versatile two-way radio featuring GPS, USB-C charging, a 1.77-inch LCD screen, and extensive frequency capabilities.

What's in the Box

Upon unboxing, please verify that all the following components are included:

- UV-18H Portable Radio
- USB-C Cable
- Headset
- High Gain Antenna
- 1800mAh Large Capacity Battery
- Belt Clip
- Battery Charger (Dock and US Adapter)
- Hand Strap
- User's Manual (this document)
- 771 Antenna
- Programming Cable



Image: All components included with the BAOFENG UV-18H radio, laid out for inspection.

Setup

1. Battery Installation

1. Ensure the radio is powered off.
2. Align the 1800mAh Lithium-Ion battery with the battery compartment on the back of the radio.
3. Slide the battery into place until it clicks securely.

2. Antenna Attachment

1. Carefully screw the High Gain Antenna or the 771 Antenna onto the antenna connector at the top of the radio.
2. Tighten clockwise until snug, but do not overtighten.

3. Charging the Battery

The UV-18H offers two charging methods:

- **USB-C Direct Charging:** Connect the provided USB-C cable directly to the radio's USB-C port and to a power source (e.g., power bank, PC, car charger, laptop, or any USB jack).
- **Charging Stand:** Place the radio into the charging dock, ensuring proper contact with the charging terminals. Connect the US adapter to the charging dock and plug it into a wall outlet.

The charging indicator light will show the charging status. A full charge typically takes several hours.



Image: The UV-18H radio highlighting its USB-C charging capability from multiple power sources.

Operating Instructions

Basic Operation

- **Power On/Off:** Rotate the volume knob clockwise to power on the radio. Rotate counter-clockwise until it clicks to power off.

- **Volume Adjustment:** Rotate the volume knob to adjust the audio output level.
- **Display:** The 1.77-inch TFT large screen provides clear information. Navigate menus using the full keyboard and dedicated menu buttons.



Image: The 1.77-inch full LCD screen of the UV-18H radio.

Frequency and Channel Management

- **Frequency Bands:** The UV-18H supports six bands, including FM, AM, VHF (144-148MHz), and UHF (420-450MHz).
- **Memory Channels:** Store up to 999 named memory channels across 10 zones. The built-in input method allows for editing channel names directly on the device.
- **Frequency Step:** Selectable steps include 2.5K, 5.0K, 6.25K, 10.0K, 12.5K, 20.0K, 25.0K, and 50.0K.
- **CTCSS/DCS Tones:** Utilize 50 CTCSS tones and 105 DCS codes for selective signaling.
- **Dual Watch/Reception:** Monitor two different frequencies simultaneously.
- **Programmable Repeater Offset:** Configure offset for repeater operations.



Image: The UV-18H radio highlighting its six-band frequency capabilities.

Advanced Features

- **GPS Functionality:** The integrated GPS provides a simple compass on the screen to show your location. Note that GPS does not require an APRS cable. For detailed operation steps, refer to supplementary video tutorials if available from the manufacturer.
- **Scanner Function:** Features VFO scan range setting, three scan recovery methods, channel scan, CTC/DCS scan, and options for adding/removing scan channels.
- **DTMF Encoder and Manual Dial:** Use DTMF for various signaling purposes.
- **Broadcast FM Radio:** Listen to standard FM radio broadcasts.
- **Alarm Function:** Activate an alarm for emergency situations.
- **High or Low Power Selectable:** Adjust transmission power to conserve battery or extend range.
- **Display Illumination:** Programmable via the keypad.
- **Function Beep:** Enable or disable keypad beeps.
- **Transmission Time-Out Timer (TOT):** Prevents excessively long transmissions.

- **Busy Channel Lock Out (BCLO):** Prevents transmission on an occupied channel.
- **10 Levels of Squelch Adjustment:** Adjust squelch to filter out weak signals or noise.
- **Cross Band Reception:** Receive signals on one band while transmitting on another.
- **Keypad Lock:** Prevent accidental key presses.
- **Frequency Hopping Function:** Provides anti-interference and anti-crosstalk capabilities.



Image: The UV-18H radio demonstrating its GPS functionality for accurate positioning.



Image: The UV-18H radio illustrating its Frequency Hopping Function and DTMF capabilities.

Maintenance

Battery Care

- To maximize battery life, fully charge the battery before first use.
- Avoid overcharging or completely draining the battery.
- Store the battery in a cool, dry place when not in use for extended periods.

Cleaning

- Wipe the radio's surface with a soft, damp cloth.
- Do not use harsh chemicals or abrasive cleaners.

Storage

- Store the radio in a dry environment, away from extreme temperatures and direct sunlight.
- **Important Note:** The UV-18H is *Not Water Resistant*. Avoid exposure to water or high humidity.

Troubleshooting

If you encounter issues with your BAOFENG UV-18H, consider the following common solutions:

Problem	Possible Cause / Solution
Radio does not power on.	Battery is not installed correctly or is depleted. Ensure battery is fully charged and properly seated.
Cannot transmit or receive.	Antenna not attached or loose. Incorrect frequency/channel selected. Squelch level too high. Check antenna connection and frequency settings. Adjust squelch.
Poor audio quality.	Low battery. Interference. Distance from other radio. Ensure battery is charged. Move away from sources of interference.
Keypad is unresponsive.	Keypad lock is enabled. Disable keypad lock as per operating instructions.
GPS not showing location.	Ensure you are in an open area with clear sky view. GPS functionality provides a compass, not detailed mapping.

For advanced configuration or persistent issues, the radio is PC programmable. Refer to the programming software documentation for detailed instructions. If problems persist, contact customer support.

Specifications

Feature	Detail
Model Number	UV-18H
Item Weight	1.61 pounds (730g)
Package Dimensions	8.07 x 4.64 x 4.13 inches
Country of Origin	China
Batteries	1 Lithium Ion battery required (included)
Number of Channels	999
Special Features	Six Bands, NOAA, GPS, 1.77inch Screen, USB-C Charging
Frequency Range	FM, 144-148MHz, 420-450Mhz
Talking Range Maximum	6 Mile
Tuner Technology	UHF/VHF
Voltage	7.4 Volts (DC)

Feature	Detail
Water Resistance Level	Not Water Resistant

Warranty Information

The BAOFENG UV-18H comes with a **1-year warranty**. This warranty is provided exclusively through "Shiqun Electronics Co., Ltd." Please retain your proof of purchase for warranty claims.

Customer Support

For further assistance, technical support, or warranty inquiries, please contact the seller or manufacturer directly. Refer to your purchase documentation for specific contact details.

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