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BAOFENG UV-18L

BAOFENG UV-18L Multi-Band Two-Way Radio User Manual

Model: UV-18L

Introduction

This manual provides detailed instructions for the safe and effective operation of your BAOFENG UV-18L Multi-Band Two-Way Radio. Please read this manual thoroughly before using the device to ensure proper functionality and to prevent damage.

Package Contents

Verify that all items are present in your package:

- UV-18L Portable Radio Unit
- USB-C Cable
- High Gain Antenna
- 1800mAh Large Capacity Battery
- Belt Clip
- Battery Charger (Dock and US Adapter)
- Hand Strap
- User's Manual
- Shoulder Speaker Microphone
- Programming Cable
- 771 Antenna



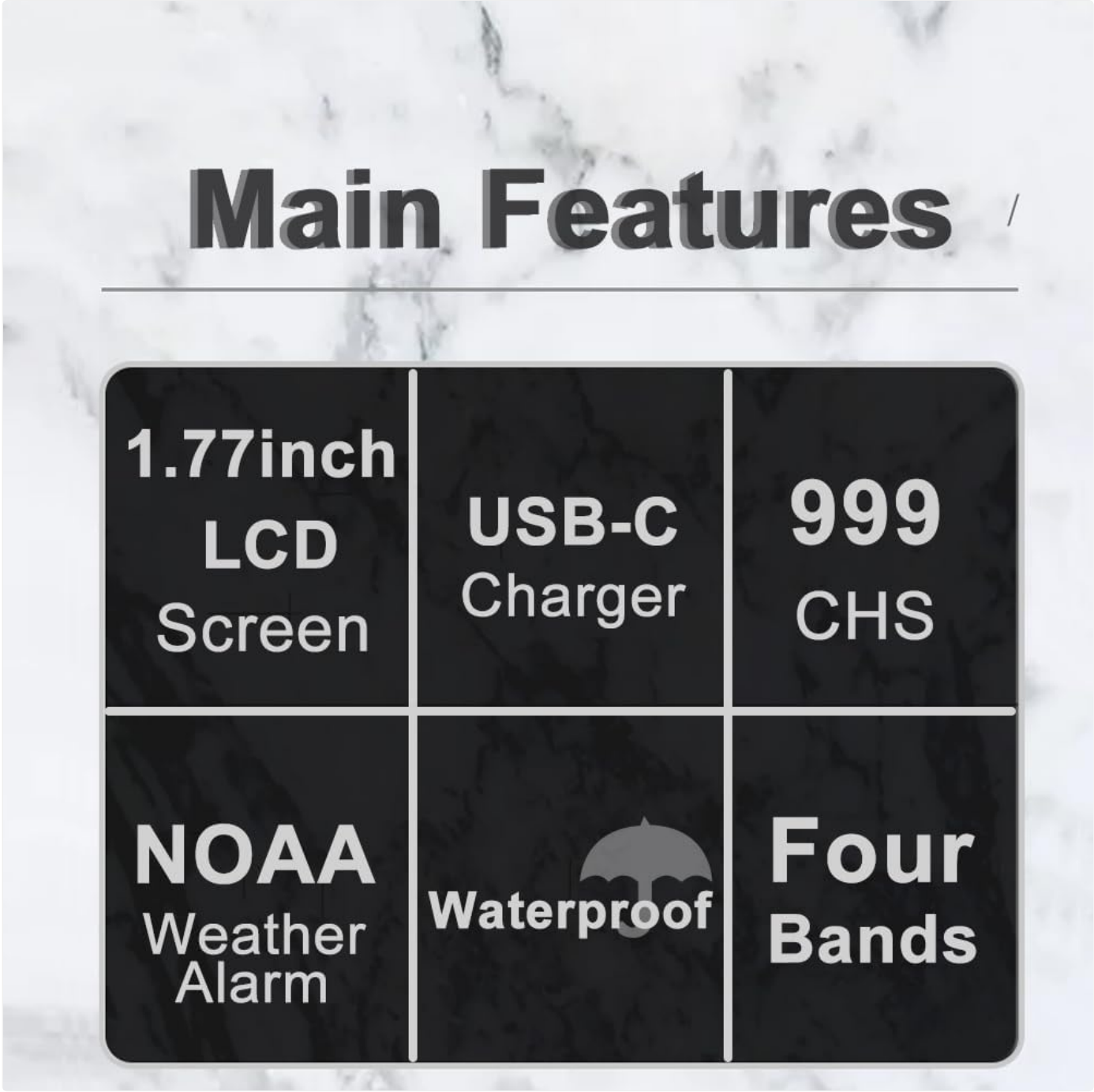
This image displays the BAOFENG UV-18L radio unit along with its complete set of accessories, including the antenna, battery, charging dock, USB-C cable, belt clip, hand strap, speaker microphone, and programming cable.

Product Overview

The BAOFENG UV-18L is a robust multi-band two-way radio designed for reliable communication. It features a 1.77-inch LCD screen, 999 programmable channels, and supports four frequency bands. Key functionalities include wireless frequency and sub-tone copy, dual watch, three scanning modes (time, carrier, search), VOX (Voice Operated Exchange), alarm mode, CTCSS/DCS scanning, NOAA weather alerts, DTMF, and FM radio. The device is powered by an 1800mAh battery, offers 5 Watts of power, and is waterproof for enhanced durability.



The radio features a clear 1.77-inch Full LCD Screen, providing easy readability of frequencies, channels, and operational status.



This graphic summarizes the key features of the UV-18L, including its 1.77-inch LCD screen, USB-C charging, 999 channels, NOAA Weather Alarm, waterproof rating, and four-band operation.

Setup

1. Battery Installation

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

2. Antenna Attachment

1. Screw the high-gain antenna clockwise onto the antenna connector at the top of the radio until it is finger-tight. Do not overtighten.

3. Charging the Battery

The UV-18L offers flexible charging options:

- **USB-C Direct Charging:** Connect the provided USB-C cable directly to the radio's USB-C port. This allows charging from various sources such as power banks, PCs, car chargers, or laptops.
- **Charging Dock:** Place the radio (with battery installed) into the charging dock. Connect the US adapter to the charging dock and plug it into a wall outlet. The indicator light on the dock will show charging status.



This image illustrates the convenience of USB-C charging for the BAOFENG UV-18L, showing it can be powered from various sources like car chargers, laptops, and power banks, in addition to the standard charging base.

Operating Instructions

1. Power On/Off

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

2. Channel Selection and Frequency Bands

The UV-18L supports 999 channels and operates across four bands:

- **FM Radio**
- **VHF:** 144-148MHz (Amateur)
- **UHF:** 420-450MHz (Amateur)

Use the keypad to directly input frequencies in VFO mode or navigate through programmed channels in Memory mode. Press the VFO/MR button to switch between modes.



The radio's display shows the four-band frequency ranges: FM, VHF (144-148MHz), and UHF (420-450MHz), indicating its versatile communication capabilities.

3. Scanning Functions

The radio offers three scan modes:

- **Time Scan:** Scans channels for a set duration before moving to the next.

- **Carrier Scan:** Stops scanning when a carrier signal is detected.
- **Search Scan:** Continuously scans until a signal is found.

Refer to the menu settings for detailed configuration of scan parameters, including VFO scan range and CTCSS/DCS scan.

4. VOX (Voice Operated Exchange)

Activate VOX mode to enable voice-activated transmission, allowing hands-free operation. Adjust VOX sensitivity in the menu to suit your environment.

5. NOAA Weather Alarm

The UV-18L can receive NOAA weather alerts. Access the NOAA channels through the menu to stay informed about severe weather conditions.

6. DTMF (Dual-Tone Multi-Frequency)

DTMF functionality provides enhanced anti-interference and anti-crosstalk capabilities, contributing to clearer and more secure communications.



A visual representation of the Frequency Hopping Function and DTMF (Dual-Tone Multi-Frequency) capabilities, which enhance anti-interference and anti-crosstalk performance for clearer communication.

7. Dual Watch

The dual watch feature allows the radio to monitor two different frequencies or channels simultaneously, ensuring you don't miss important transmissions on either.

Maintenance

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 properly sealed to maintain waterproofing.

2. 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. Recharge the battery regularly, even if not in active use.

3. Water Resistance

The UV-18L is designed to be waterproof. However, ensure all port covers and the battery compartment are securely closed before exposing the radio to water or moisture.

Troubleshooting

Problem	Possible Cause	Solution
Radio does not power on	Battery is low or not installed correctly.	Charge the battery or ensure it is properly seated.
Cannot transmit or receive	Incorrect frequency/channel, antenna not attached, or out of range.	Verify frequency/channel settings. Ensure antenna is securely attached. Move closer to the other radio.
Poor audio quality	Low signal strength, interference, or volume too low.	Adjust volume. Check for obstructions. Move to a clearer area.
Battery drains quickly	High power transmission, frequent use, or aging battery.	Reduce transmit power if possible. Consider replacing the battery if it's old.

Specifications

- **Power:** 5-Watt
- **Channels:** 999
- **Battery Capacity:** 1800mAh Lithium-Ion
- **Frequency Ranges:**
  - FM Radio
  - VHF: 144-148MHz
  - UHF: 420-450MHz
- **NOAA Channel Support:** 10 channels
- **Net Weight:** Approximately 705g (24.86 Ounces / 1.69 Pounds)
- **Working Temperature:** -20℃ to +60℃
- **Special Features:** DTMF, Four-Band, NOAA Weather Alarm, USB-C Charger, Waterproof, 1.77-inch LCD Screen, Dual Watch, VOX, Multiple Scan Modes.
- **Modulation Distortion:** ≤5%
- **Audio Distortion:** ≤10%

Warranty and Support

This BAOFENG UV-18L radio comes with a **1-year warranty**. The warranty is 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 by Shiqun Electronics Co., Ltd.

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