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› [BAOFENG UV-18L Two-Way Radio Instruction Manual](#)

BAOFENG UV-18L

BAOFENG UV-18L Two-Way Radio Instruction Manual

Model: UV-18L

1. INTRODUCTION

This manual provides detailed instructions for the operation and maintenance of your BAOFENG UV-18L Two-Way Radio. The UV-18L is a versatile 4-band ham radio featuring a 1.77-inch LCD screen, 999 channels, USB-C charging, and NOAA weather alert capabilities. Please read this manual thoroughly before using the device to ensure proper function and safety.

2. PACKAGE CONTENTS

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

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

3. SETUP

3.1 Battery Installation

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

3.2 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.

3.3 Charging the Battery

The UV-18L offers two charging methods:

- **USB-C 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).
- **Charger Base:** Place the radio into the provided charging dock. Connect the US adapter to the dock and plug it into a wall outlet. The charging indicator light will show the charging status.



Strong Power

Provide longer distance

Long distance ham radio is clear and suitable for more call scenarios

USB-C Charger

Faster and safer charging
longer service life

Car USB-C

Laptop Power Bank

Figure 3.3: USB-C Charging options for the UV-18L.

4. OPERATING INSTRUCTIONS

4.1 Power On/Off

To power on the radio, rotate the volume knob clockwise until you hear a click. To power off, rotate it counter-clockwise until it clicks.

4.2 Channel and Frequency Selection

The UV-18L supports 999 channels and operates on four bands: FM, VHF (144-148MHz), and UHF (420-450MHz). Use the keypad to directly input frequencies or navigate through stored channels. The 1.77-inch LCD screen displays current frequency and channel information.



Figure 4.2: UV-18L display showing four-band frequency ranges.

4.3 Dual Watch and Dual Standby

The radio supports dual watch and dual standby functions, allowing you to monitor two different frequencies or channels simultaneously. Refer to the on-screen indicators for active monitoring.

4.4 Scanning Functions

The UV-18L features three scan modes:

- **Time Scan:** Scans channels for a set duration.
- **Carrier Scan:** Stops scanning when a signal is detected.
- **Search Scan:** Continuously scans until a signal is found.
- Additional scanning features include VFO scan range setting, channel scan, CTCSS/DCS scan, and the ability

to add or remove channels from scan lists.

4.5 VOX Function

Voice Operated Exchange (VOX) allows for hands-free transmission. When enabled, the radio will transmit automatically when it detects your voice. Adjust VOX sensitivity in the menu.

4.6 CTCSS/DCS and DTMF

CTCSS/DCS (Continuous Tone-Coded Squelch System / Digital Coded Squelch): These functions help filter out unwanted signals, allowing you to hear only transmissions from radios using the same tone/code.

DTMF (Dual-Tone Multi-Frequency): Used for various control functions, such as remote control of repeaters or selective calling.



Figure 4.6: Frequency Hopping and DTMF capabilities.

4.7 NOAA Weather Alarm

The UV-18L includes a NOAA weather alarm function, providing alerts for severe weather conditions. Refer to the menu for enabling and configuring NOAA channels.

4.8 FM Radio

The radio can also function as an FM broadcast receiver. Activate the FM radio mode through the menu to listen to local FM stations.

5. KEY FEATURES

- **Display:** 1.77-inch LCD screen for clear information display.
- **Bands:** 4-band operation (FM, VHF: 144-148MHz, UHF: 420-450MHz).
- **Channels:** 999 programmable memory channels.
- **Charging:** Convenient USB-C direct charging and traditional charger base.
- **Power Output:** 5 Watts for extended range.
- **Battery:** 1800mAh large capacity battery.
- **Weather Alert:** NOAA weather alarm function.
- **Durability:** Waterproof design.
- **Advanced Functions:** Dual watch, three scan modes (time/carrier/SEARCH), VOX, alarm mode, CTCSS/DCS scan, DTMF, FM radio.
- **Audio Quality:** Upgraded listening experience for clearer calls in noisy environments.

Main Features /

1.77inch LCD Screen	USB-C Charger	999 CHS
NOAA Weather Alarm	Waterproof 	Four Bands

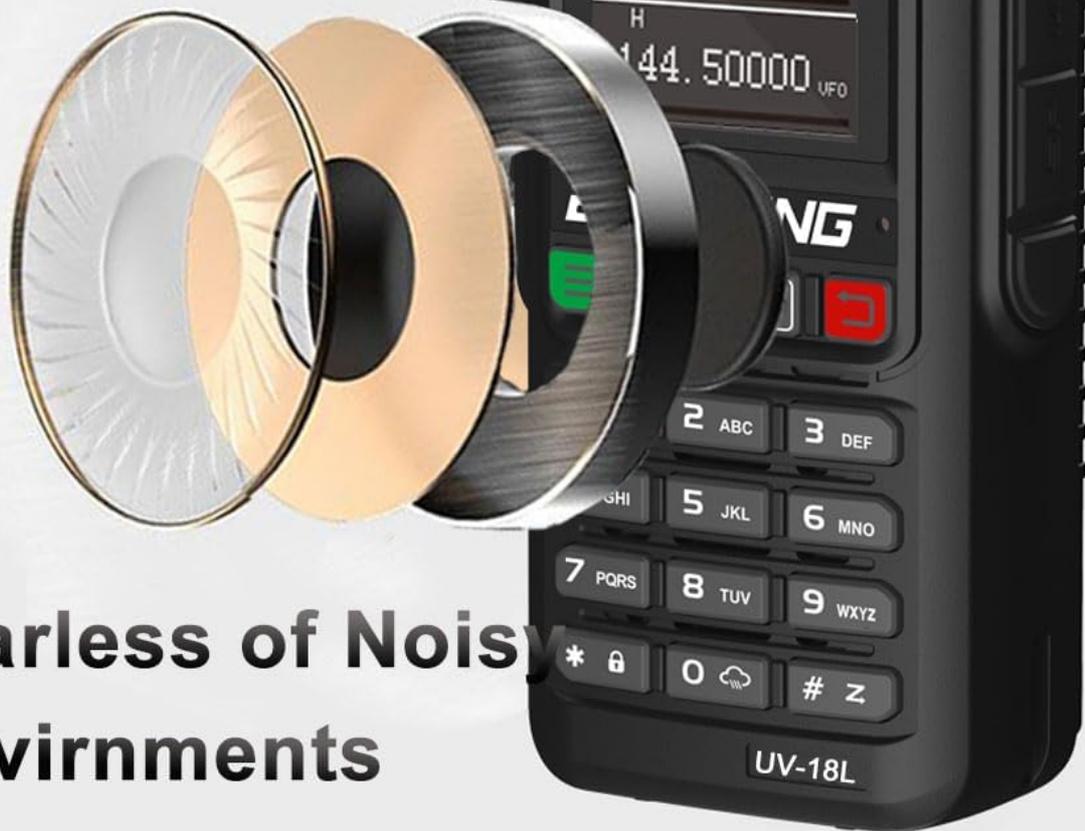
Figure 5.1: Overview of BAOFENG UV-18L main features.



Figure 5.2: The 1.77-inch full LCD screen of the UV-18L.

Comprehensively Upgraded Listening Experience

CLEARER CALLS



Fearless of Noisy Environments

Figure 5.3: Enhanced audio components for clear communication.

6. MAINTENANCE

6.1 Cleaning

Wipe the radio's exterior with a soft, damp cloth. Do not use harsh chemicals or abrasive cleaners. While the radio is waterproof, avoid submerging it unnecessarily.

6.2 Battery Care

- Charge the battery fully before first use.
- Avoid overcharging or completely draining the battery to prolong its lifespan.
- Store the radio and battery in a cool, dry place when not in use for extended periods.

6.3 Storage

When storing the radio for a long time, remove the battery and store it separately. Keep the radio away from extreme temperatures and direct sunlight.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Radio does not power on.	Battery not installed correctly or discharged.	Ensure battery is properly seated. Charge the battery fully.
Cannot transmit or receive.	Incorrect frequency/channel, antenna loose, low battery, or squelch too high.	Verify frequency/channel settings. Check antenna connection. Recharge battery. Adjust squelch level.
Poor audio quality.	Weak signal, interference, or volume too low/high.	Move to an area with better signal. Check for sources of interference. Adjust volume.
USB-C charging not working.	Cable or power source issue.	Try a different USB-C cable or power adapter. Ensure the connection is secure.

8. SPECIFICATIONS

Feature	Detail
Model Number	UV-18L
Power Output	5 Watts
Number of Channels	999
Battery Capacity	1800mAh Lithium Ion
Frequency Range	VHF: 144-148MHz, UHF: 420-450MHz, FM Broadcast
Display Type	1.77-inch LCD
Charging	USB-C, Charger Base
Water Resistance Level	Waterproof
Item Weight	22.04 Ounces (approx. 625g)
Working Temperature	-20°C to +60°C
Special Features	DTMF, Four-Band, NOAA Weather Alarm, VOX, Dual Watch, Multiple Scan Modes

9. WARRANTY AND SUPPORT

9.1 Warranty Information

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

9.2 Customer Support

For technical assistance, troubleshooting, or warranty inquiries, please contact the seller or refer to the official

BAOFENG website for support resources.

[Visit the BAOFENG Store on Amazon](#)