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BAOFENG UV-16R

BAOFENG UV-16R Walkie Talkie User Manual

Professional Handheld Two-Way Radio

Introduction

This manual provides comprehensive instructions for the operation, maintenance, and troubleshooting of your BAOFENG UV-16R Walkie Talkie. Please read this manual thoroughly before using the device to ensure proper functionality and safety.
The BAOFENG UV-16R is a robust and versatile two-way radio designed for reliable communication. Key features include USB-C charging, repeater capability, excellent audio quality, and long-range communication.

Package Contents

Upon opening the package, verify that all components are present:

- Portable Radio
- Original Antenna
- Type-C Charger Cable
- Li-ion Battery
- Belt Clip
- Sling
- Charger
- User’s Manual (this document)



Image: Contents of the BAOFENG UV-16R package, including the radio unit, antenna, battery, charger, USB-C cable, belt clip, and sling.

Setup

1. Battery Installation

1. Ensure the radio is powered off.
2. Align the Li-ion battery 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 release latch (if present) and slide the battery out.

2. Antenna Attachment

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

overtighten.



Image: The BAOFENG UV-16R radio with its high gain antenna attached, illustrating the extended length for improved signal.

3. Charging the Battery

The UV-16R offers flexible charging options:

- **USB-C Charging:** Connect the provided Type-C charger cable directly to the radio's USB-C port. This allows charging from a power bank, PC, car charger, or any USB power source.
- **Charger Base:** Place the radio (with battery installed) into the charging cradle. Ensure the charging contacts align. The indicator light on the charger will show charging status.



Image: The BAOFENG UV-16R being charged via its USB-C port, demonstrating compatibility with various power sources like adapters, power banks, and USB ports.

Operating Instructions

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.

Channel Selection

Use the Up/Down arrow keys or the numeric keypad to select desired channels. The display will show the current channel number and frequency.

Transmitting and Receiving

1. To transmit, press and hold the Push-to-Talk (PTT) button on the side of the radio. Speak clearly into the microphone.
2. Release the PTT button to receive.
3. Ensure you are on the same frequency/channel as the party you wish to communicate with.

Dual Watch and Sync Function

The UV-16R supports Dual Watch, allowing you to monitor two different frequencies simultaneously. The Sync function enables users to view both the channel name and frequency information on the display for a single monitored channel.

FM Radio Function

The radio includes a built-in FM radio function for entertainment. Refer to the on-screen menu for specific controls to activate and tune the FM radio.



Image: The BAOFENG UV-16R displaying its screen with frequency information, highlighting its integrated LED high power torch and FM

radio function for outdoor activities.

Maintenance

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 securely closed to maintain water resistance.

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.

Water Resistance (IP45)

The UV-16R is rated IP45 waterproof/water-resistant, meaning it is protected against water jets from any direction. While it can withstand splashes and light rain, it is not designed for submersion. Ensure all port covers are sealed properly.



Image: The BAOFENG UV-16R partially submerged in water, illustrating its waterproof protective structure designed to withstand dust and rain.

Durability and Fall Resistance

The radio's housing is constructed from high-hardness ABS+PC material, providing heat resistance, fall resistance, and wear resistance for enhanced durability.



Image: The BAOFENG UV-16R with debris around it, symbolizing its fall resistance and durable ABS+PC material construction.

Troubleshooting

Problem	Possible Cause	Solution
Radio does not power on.	Battery is not installed correctly or is depleted.	Ensure battery is securely installed. Charge the battery fully.
Cannot transmit or receive.	Incorrect frequency/channel, antenna not attached, or PTT button issue.	Verify frequency/channel. Ensure antenna is securely attached. Check PTT button functionality.

Problem	Possible Cause	Solution
Poor audio quality.	Low battery, interference, or volume setting.	Charge battery. Move away from sources of interference. Adjust volume.
Battery drains quickly.	Frequent transmission, high power setting, or aging battery.	Reduce transmission time. Use lower power setting if possible. Consider replacing battery if old.

Specifications

Feature	Detail
Brand	BAOFENG
Model	UV-16R
Color	Black
Net Weight	530g (18.7 ounces)
Dimensions	1.44 x 2.44 x 4.72 inches
Waterproof / Water-Resistant	IP45
Output Power	10W
Battery Capacity	1800mAh
Battery Type	Li-ion battery
Antenna Type	SMA-Male
Channels	128
Material	Sturdy Plastic (ABS+PC)
Frequency Range	144-148MHz, 420-450MHz
Talking Range Maximum	6.1 Miles (open areas)

Warranty and Support

The BAOFENG UV-16R Walkie Talkie comes with a **1-year warranty** provided exclusively through "Shiqun Electronics Co., Ltd". Please retain your proof of purchase for warranty claims.
For technical support or warranty inquiries, please contact Shiqun Electronics Co., Ltd. directly. Contact information may be found on their official website or through your purchase platform.
For additional resources and product information, you may visit the official BAOFENG store on AmazonBAOFENG Store

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