Saved from manuals.plus.
Open the live page for links to other documents and user manuals.

BAOFENG UV-16R

BAOFENG UV-16R Walkie Talkie User Manual

Model: UV-16R

Introduction

The BAOFENG UV-16R is a robust and versatile 10W dual-band two-way radio designed for reliable long-range communication. Featuring USB-C charging, IP45 water resistance, and a programming cable for customization, it is suitable for various outdoor and professional applications. This manual provides essential information for the proper setup, operation, and maintenance of your UV-16R walkie talkie.

What's in the Box

Upon unboxing your BAOFENG UV-16R, please verify that all the following components are included:

- Portable Radio
- Type-C Charger Cable
- Programming Cable
- Original Antenna
- Li-ion Battery
- Belt Clip
- Sling
- Charger (Charging Base)
- User's Manual



Image: The BAOFENG UV-16R walkie talkie shown with its complete set of accessories, including the radio unit, antenna, battery, charging cable, programming cable, belt clip, and sling.

Key Features

- **USB-C/Type-C Charging:** Convenient direct charging via a Type-C cable from various power sources like power banks, PCs, or car chargers. Also supports charging via the included charger base.
- **Repeater Capable:** Features customizable repeater channels to extend communication range and enhance signal strength.
- **Excellent Audio:** Equipped with a professional audio decoder chip for clear, loud treble and strong bass, providing an immersive intercom experience.
- **Long Range Communication:** Achieves a communication range of 4-5 miles in open areas, 3-4 miles in forests, and 2-3 miles in urban environments.
- **Dual Watch and Sync Switchable:** Allows users to monitor one channel while displaying both channel name and frequency information.

- **IP45 Water Resistance:** Designed to withstand splashes and light rain, offering protection against dust and water ingress.
- **High Gain Antenna:** Includes an upgraded 20cm antenna with a pure copper coil for improved signal reception and transmission.



Image: The BAOFENG UV-16R highlighting its outdoor design, dual band capability, high power output, FM radio, flashlight, waterproof rating, and clear audio features.



Image: The BAOFENG UV-16R demonstrating its Type-C charging capability, showing the radio connected to a USB power source.



Image: Visual representation of the BAOFENG UV-16R's IP45 waterproof rating, showing water splashing around the device.



Image: Close-up of the BAOFENG UV-16R's high gain 20cm antenna, emphasizing its flexible design and pure copper coil.

Setup

1. Battery Installation

1. Ensure the radio is powered off.
2. Align the battery pack with the grooves on the back of the radio.
3. Slide the battery upwards until it clicks into place.
4. Secure the battery with the fixing screw located at the bottom of the battery compartment, if applicable.



Image: A detailed view of the fixing screw mechanism on the BAOFENG UV-16R, designed to ensure the battery remains firmly attached.

2. Antenna Attachment

1. Screw the original antenna clockwise into the antenna connector on top of the radio until it is finger-tight. Do not overtighten.

3. Charging the Battery

Before first use, fully charge the battery.

- **Using the Charger Base:** Place the radio (with battery installed) into the charger base. Ensure the charging contacts align. The indicator light will show charging status.
- **Using USB-C Cable:** Connect the Type-C charger cable directly to the USB-C port on the side of the radio and plug the other end into a compatible USB power source (e.g., wall adapter, power bank, computer USB port).

4. Programming (Optional)

The included programming cable allows for advanced customization of channels, frequencies, and other settings using compatible software on a computer. Refer to the software's instructions for detailed programming procedures.

Operating Instructions

1. Power On/Off

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

2. Volume Adjustment

- Rotate the power/volume knob clockwise to increase volume and counter-clockwise to decrease volume.

3. Channel Selection

- Use the UP/DOWN arrow keys to navigate through the 128 available channels.
- Alternatively, enter the desired channel number directly using the keypad.

4. Transmitting and Receiving

- To transmit, 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 receive.

5. Dual Watch and Sync Function

- The Dual Watch function allows monitoring of two different frequencies simultaneously.
- The Sync function displays both the channel name and frequency information for the monitored channel, which is useful for quick reference. Consult the full user manual for specific button presses to activate these modes.

6. FM Radio and Flashlight

- The UV-16R includes an FM radio function for entertainment.
- A built-in flashlight provides illumination in low-light conditions. Refer to the device's on-screen menu or physical buttons for activation.

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 when not in use to maintain water resistance.

2. Battery Care

- Avoid fully discharging the Li-ion battery frequently to prolong its lifespan.
- Store the radio and battery in a cool, dry place when not in use for extended periods.

3. Water Resistance (IP45)

The UV-16R is rated IP45, meaning it is protected against solid objects larger than 1mm and against water jets from any direction. While it offers protection against splashes and light rain, it is not designed for submersion. Avoid exposing the radio to heavy downpours or direct water streams.

Troubleshooting

Problem	Possible Cause	Solution
Radio does not power on	Battery is low or not installed correctly.	Charge the battery or re-install it securely.
Cannot transmit or receive	Incorrect frequency/channel, antenna not attached, or radio is out of range.	Verify frequency/channel settings. Ensure antenna is securely attached. Move closer to the other radio or a repeater.
Poor audio quality	Low battery, weak signal, or microphone/speaker obstruction.	Charge battery. Move to an area with better signal. Check for obstructions on microphone/speaker.
Battery drains quickly	Frequent transmission, high power setting, or aging battery.	Reduce transmission time. Use lower power setting if possible. Consider replacing the battery if it's old.

Specifications

Feature	Detail
Brand	BAOFENG
Model Number	UV-16R
Output Power	10W
Battery Capacity	1800mAh Li-ion battery
Number of Channels	128
Frequency Range	144 - 148 MHz, 420 - 450 MHz
Water Resistance Level	IP45
Dimensions (Product)	2.44 x 1.46 x 4.72 inches
Item Weight	1.26 pounds
Country of Origin	China

Warranty and Support

The BAOFENG UV-16R Walkie Talkie comes with a**1-year warranty**. This warranty is provided exclusively through "Shiqun Electronics Co., Ltd". For any warranty claims, technical support, or product inquiries, please contact Shiqun Electronics Co., Ltd. directly through their official channels or the retailer from whom the product was purchased. Please retain your proof of purchase for warranty validation.

Ask a question about this manual

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. Privacy details.

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question

Open the live page

https://manuals.plus/asin/B0CB5Z859G

More documents and user manuals: **https://manuals.plus/**