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BAOFENG UV-16R

BAOFENG UV-16R Walkie Talkie User Manual

Model: UV-16R

INTRODUCTION

This manual provides detailed instructions for the proper use and maintenance of your BAOFENG UV-16R Walkie Talkie. Please read this manual thoroughly before operating the device to ensure optimal performance and safety.

PACKAGE CONTENTS

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

- Portable Radio
- Type-C Charger Cable
- 48cm/18.89in Tactical Antenna
- Single PTT Waterproof Microphone
- Original Antenna
- Li-ion Battery
- Belt Clip
- Sling
- Charger Base
- User's Manual (this document)

PRODUCT OVERVIEW

The BAOFENG UV-16R is a robust two-way radio designed for reliable communication. Familiarize yourself with its main components:



Image: The BAOFENG UV-16R Walkie Talkie with its main components, including the radio body, antenna, and an attached PTT microphone.

- **Antenna:** For transmitting and receiving radio signals.
- **Display Screen:** Shows channel, frequency, and status information.
- **PTT (Push-to-Talk) Button:** Press to transmit, release to receive.
- **Keypad:** For entering frequencies, channel numbers, and accessing functions.
- **Volume/Power Knob:** Controls power on/off and audio volume.
- **USB-C Port:** For direct charging.
- **Accessory Jack:** For connecting external microphone/headset.

SETUP

1. Battery Installation

Insert the provided Li-ion battery into the compartment on the back of the radio. Ensure it clicks securely into place. To remove, slide the release latch and gently pull the battery out.

Fixing Screw

Ensure firmness without dropping off!



Image: The battery compartment with a fixing screw to ensure secure attachment of the battery.

2. Antenna Attachment

Screw the desired antenna (either the original or the 48cm tactical antenna) clockwise onto the connector at the top of the radio until it is finger-tight. Do not overtighten.

High Gain Antenna

20cm upgraded length
Pure copper coil, high-quality metal jack
increases gain and reduces standing waves
The communication distance is
longer and more stable



Image: The BAOFENG UV-16R radio shown with a high gain tactical antenna, highlighting its length and connection point.

3. Charging the Battery

The UV-16R offers two charging methods:

- **USB-C Direct Charging:** Connect the provided Type-C charger cable directly to the USB-C port on the side of the radio. You can use a power bank, PC, car charger, or any USB adapter.
- **Charger Base:** Place the radio into the provided charger base. Ensure the charging contacts align. The indicator light on the charger will show the charging status.

Reappear Original Voice

Built-in professional audio decoder chip

Loud treble and strong bass

comparable to the original voice

Bring you an immersive outdoor radio experience



Image: The BAOFENG UV-16R radio connected via its USB-C port to a power source for convenient charging.

4. Attaching the PTT Microphone

Connect the single PTT waterproof microphone to the accessory jack on the side of the radio. Ensure a firm connection for proper operation.

OPERATING INSTRUCTIONS

1. Power On/Off and Volume Control

Rotate the top knob clockwise to power on the radio and increase volume. Rotate counter-clockwise to decrease volume and power off.

2. Channel Selection and Frequency Input

Use the keypad to directly input frequencies or navigate through the 128 available channels. Refer to the radio's on-screen menu for specific channel programming instructions.

3. Transmitting and Receiving

To transmit, press and hold the PTT (Push-to-Talk) button on the side of the radio or the external microphone. Speak clearly into the microphone. Release the PTT button to switch to receive mode.

4. Dual Watch and Sync Switchable Function

The Dual Watch function allows monitoring two different frequencies or channels simultaneously. The Sync function displays both the channel name and frequency information on the screen, which is useful for monitoring a single channel with full details.

5. FM Radio Function

The radio includes a built-in FM radio function for entertainment. Consult the radio's menu for activation and tuning instructions.

6. LED High Power Torch

Activate the integrated LED torch for illumination. It supports both constant light and flash light modes, providing utility in low-light conditions.



Image: The BAOFENG UV-16R radio demonstrating its LED high power torch function, useful for night vision and outdoor activities.

MAINTENANCE

1. Water Resistance

The UV-16R is rated IP45 for water resistance, meaning it is protected against water jets from any

direction. While it can withstand splashes and light rain, it is not designed for submersion. Avoid prolonged exposure to heavy rain or accidental soaking.

Waterproof

*Equipped with waterproof protective structure,
no fear of dust and rain.*

*Regardless of accidental soaking/heavy rain/light rain...
All can be easily coped*

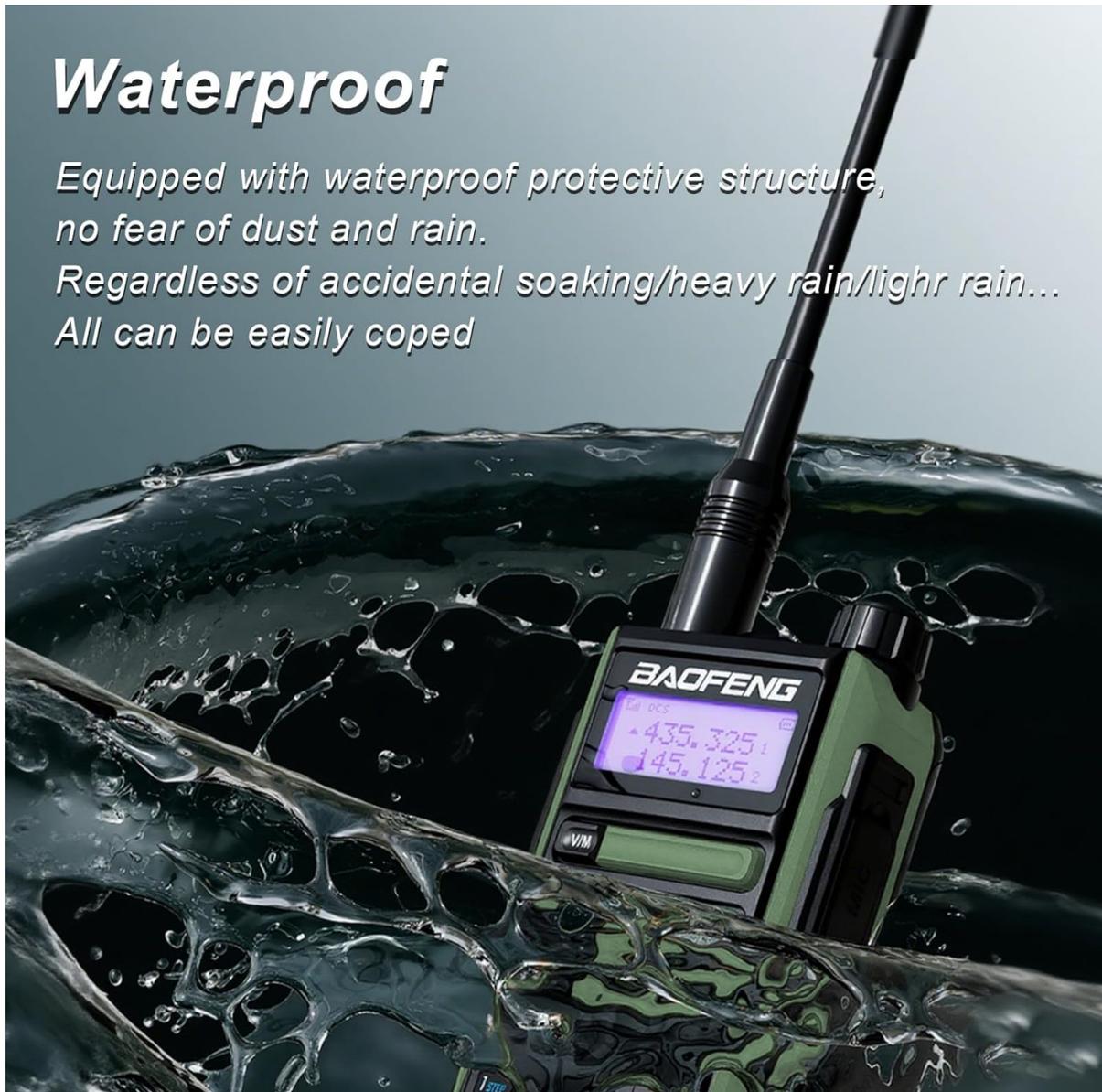


Image: The BAOFENG UV-16R radio being splashed with water, illustrating its waterproof capabilities.

2. 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.

Fall Resistance

The housing is made of high hardness
ABS+PC material

Heat resistance, fall resistance, wear resistance

Just so durable



Image: The BAOFENG UV-16R radio depicted in a rugged environment, emphasizing its fall resistance and durable construction.

3. Cleaning

Clean the radio with a soft, damp cloth. Do not use harsh chemicals or abrasive cleaners. Ensure all ports are dry before charging or connecting accessories.

4. Battery Care

To prolong battery life, avoid fully discharging the battery frequently. Charge the battery regularly, even if the radio is not in use for extended periods. Store the battery in a cool, dry place.

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 PTT button malfunction.	Verify frequency/channel settings. Ensure antenna is securely attached. Check PTT button functionality.

Problem	Possible Cause	Solution
Poor audio quality	Low battery, antenna issue, or interference.	Charge battery. Check antenna connection. Move to an area with less interference.
Short communication range	Obstructions, low power setting, or antenna issue.	Ensure clear line of sight. Check power settings. Verify antenna is correct and attached properly.

SPECIFICATIONS

Feature	Detail
Model Number	UV-16R
Output Power	10W
Number of Channels	128
Frequency Range	144 - 148 MHz, 420 - 450 MHz
Battery Type	Li-ion Battery
Battery Capacity	1800mAh
Voltage	7.4 Volts (DC)
Charging Method	USB-C / Charger Base
Water Resistance Level	IP45 (Waterproof)
Antenna Type	SMA-Male
Material	Sturdy ABS+PC Plastic
Typical Communication Range	4-5 miles (open areas), 3-4 miles (forest), 2-3 miles (city)
Item Weight	26.28 Ounces (approx. 745g)
Package Dimensions	7.1 x 4.33 x 3.74 inches

WARRANTY AND SUPPORT

Warranty Information

A 1-year warranty is provided exclusively through "Shiqun Electronics Co., Ltd." Please retain your proof of purchase for warranty claims.

Customer Support

For technical assistance, troubleshooting, or warranty inquiries, please contact Shiqun Electronics Co., Ltd. directly. Refer to your purchase documentation for specific contact details or visit their official support channels.

