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BAOFENG UV-16R

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1. PRODUCT OVERVIEW

The BAOFENG UV-16R is a professional handheld dual-band two-way radio designed for reliable long-range communication. It features USB-C charging, IP45 waterproof rating, and a robust build for various environments.



Figure 1: BAOFENG UV-16R Walkie Talkie, Red with Programming Cable.

2. GETTING STARTED

2.1 Package Contents

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

2.2 Battery Installation and Charging

Install the provided Li-ion battery into the radio. The UV-16R supports direct charging via a Type-C cable, offering convenience from various power sources like power banks, PCs, or car chargers. It can also be charged using the included charger base.

Convenient Charging

Provide type-c Charging port

Computer USB/car charger/power bank/adaptor...

All can be safely adaptable

Convenient and fast charging anytime and anywhere



Adaptor



Power Bank



USB



Figure 2: The UV-16R supports convenient USB-C charging from various sources.

2.3 Antenna and Accessories Attachment

Attach the original antenna by screwing it clockwise onto the top connector until secure. The belt clip can be screwed onto the back of the radio for easy carrying. Attach the sling for additional portability.



Figure 3: The radio with its high gain antenna, designed for longer and more stable communication.

3. BASIC OPERATION

3.1 Power On/Off and Volume

To power on the radio, rotate the top knob clockwise. Continue rotating to adjust the volume. To power off, rotate the knob counter-clockwise until it clicks.

3.2 Channel Selection and Dual Watch

The radio features 128 channels. Use the up/down arrow keys to navigate through channels. The Dual Watch and Sync Switchable function allows monitoring two channels simultaneously. This is particularly useful for users who wish to see both channel name and frequency information on the display.

3.3 Push-to-Talk (PTT)

Press and hold the large button on the left side of the radio to transmit. Release the button to receive.

3.4 Flashlight and FM Radio

The UV-16R includes an LED high-power torch with constant light and flash light modes for night vision. It also has a built-in FM radio function for entertainment.



Figure 4: The radio's integrated LED flashlight provides illumination in low-light conditions.

4. ADVANCED FEATURES

4.1 Programming

The UV-16R is compatible with CHIRP software for programming custom frequencies and settings. A programming cable is included for this purpose.

4.2 Repeater Capable

The radio supports customizable repeater channels, allowing for expanded communication range and enhanced signal strength.

4.3 Audio Quality

Equipped with a professional audio decoder chip, the UV-16R delivers loud treble and strong bass, providing clear audio comparable to original voice.

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

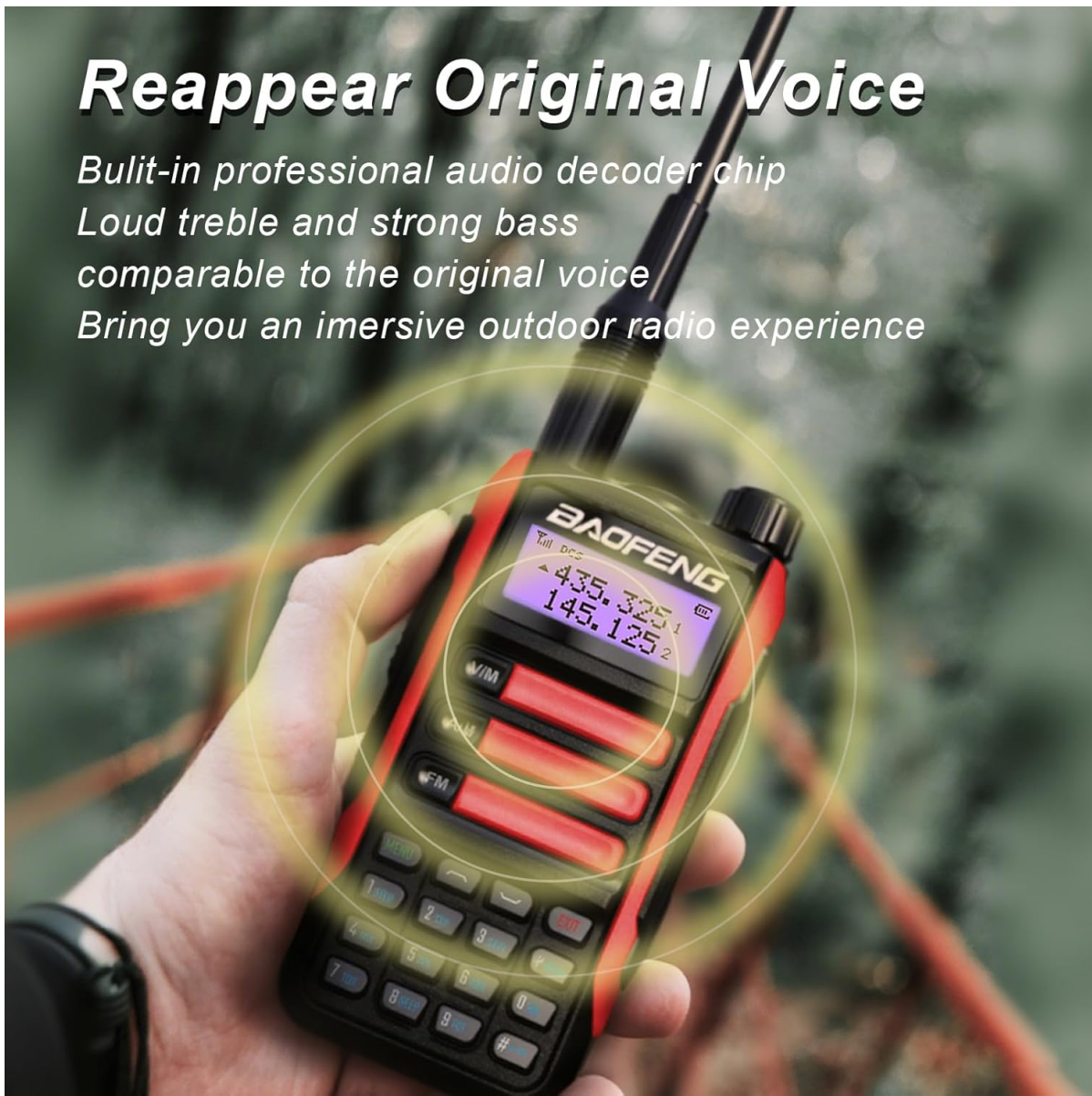


Figure 5: The radio's audio system ensures clear and robust sound output.

4.4 Long Range Communication

The radio can achieve a communication range of 4-5 miles in open, flat, or suburban areas. In forested environments, the range is typically 3-4 miles, and in urban settings, 2-3 miles.

5. MAINTENANCE

5.1 Water Resistance

The UV-16R has an IP45 waterproof/water-resistant rating, providing protection against dust and rain. While designed to withstand accidental splashes and light rain, it is not recommended for submersion.

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*



Figure 6: The radio is equipped with a waterproof protective structure, suitable for use in various weather conditions.

5.2 Durability

The radio's housing is constructed from high-hardness ABS+PC material, offering 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



Figure 7: The robust housing material provides excellent fall and wear resistance.

6. TROUBLESHOOTING

6.1 Common Issues

- **No Power:** Ensure the battery is fully charged and correctly installed. Check the power knob is turned on.
- **Poor Reception/Transmission:** Verify the antenna is securely attached. Check the selected frequency/channel. Ensure you are within the effective communication range.
- **Audio Issues:** Adjust the volume. Ensure the speaker is not obstructed.
- **Programming Problems:** Ensure the programming cable is correctly connected and the CHIRP software is properly configured.

7. SPECIFICATIONS

Feature	Specification
Brand	BAOFENG
Model Number	UV-16R
Output Power	10W
Battery Capacity	1800mAh Li-ion
Number of Channels	128
Frequency Range	144 - 148 MHz, 420 - 450 MHz
Water Resistance Level	IP45
Special Features	Type-C Charger, Waterproof, Dual Watch, FM Radio, LED Torch

8. OFFICIAL PRODUCT VIDEOS

BAOFENG UV-28 Plus Ham Radio Handheld Overview

This video provides a brief overview of the BAOFENG UV-28 Plus, showcasing its features and general operation, including programming capabilities.

BAOFENG UV-5RM Plus GPS Ham Radio Handheld Features

A short video demonstrating key features of the BAOFENG UV-5RM Plus, such as GPS navigation, multi-band reception, and easy frequency copying.

K5 Plus Function Demonstration

This video highlights various functions of the K5 Plus, including one-key frequency match, Type-C charging, adjustable power levels (H/M/L), NOAA weather channel access, high luminous flashlight, and CHIRP software support.

9. WARRANTY & SUPPORT

A 1-year warranty is provided exclusively through "Shiqun Electronics Co., Ltd." For support or warranty claims, please contact the manufacturer directly.