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BAOFENG P15UV

BAOFENG P15UV Two-Way Radio User Manual

Model: P15UV

Brand: BAOFENG

Product Overview

The BAOFENG P15UV is a versatile and robust dual-band two-way radio designed for reliable communication. Featuring USB-C charging, a large LED screen, and a full keypad, it offers extensive functionality including 999 channels, channel/frequency mode, scan function, VOX, and SOS capabilities. Its waterproof design ensures durability in various environments.

Package Contents

- Portable Radio
- High Gain Antenna
- 1500mAh Battery
- USB-C Cable
- Belt Clip
- Hand Strap
- User's Manual
- Headset



Image: The BAOFENG P15UV radio shown with its complete set of accessories, including the headset, antenna, battery, USB-C cable, belt clip, and hand strap.

Getting Started

Charging the Battery

The P15UV radio is equipped with a 1500mAh Li-ion battery and supports convenient USB-C charging. To charge, connect the provided USB-C cable to the radio's charging port and a compatible USB power source (e.g., wall adapter, power bank, PC, car charger). The indicator light will show charging status.



Image: Close-up view of the BAOFENG P15UV radio highlighting the USB-C charging port and the charging cable connected.

Attaching Accessories

Before first use, ensure the high gain antenna is securely screwed onto the top of the radio. Attach the belt clip to the back of the radio if desired. The included headset can be plugged into the MIC/SP port on the side of the radio for hands-free operation.



Image: Diagram illustrating the various parts of the BAOFENG P15UV radio, including the antenna, indicator light, flashlight, power/volume switch, PTT button, speaker, microphone, display, keypad, and charging port.

Operation

Basic Operation

Power On/Off: Rotate the Power/Volume switch clockwise to turn the radio on and counter-clockwise to turn it off. Adjust the volume by continuing to rotate the switch.

Channel/Frequency Mode: The P15UV supports both channel mode and frequency mode. Use the keypad and menu options to switch between these modes. In channel mode, you select from pre-programmed channels. In frequency mode, you can manually input frequencies.

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. Ensure you are on the correct channel or frequency for communication.

Advanced Functions

- **Dual Monitoring and Synchronization:** The radio can monitor two channels simultaneously. The synchronization function allows the display to show both the channel name and frequency information for a single monitored channel, enhancing usability.
- **Scan Function:** Activate the scan function to automatically search for active channels or frequencies within the programmed range.
- **VOX (Voice Operated Transmit):** When VOX is enabled, the radio will automatically transmit when it detects your voice, eliminating the need to press the PTT button. Adjust VOX sensitivity as needed.
- **Squelch Adjustment:** Squelch filters out weak signals and background noise. Adjust the squelch level to optimize reception clarity.
- **SOS Function:** In an emergency, activate the SOS function to emit an alarm signal.
- **LED Flashlight:** The radio includes a built-in LED flashlight for illumination in low-light conditions.



Image: Visual representation of the BAOFENG P15UV's various functions, including 999 channels, channel mode, frequency mode, scan, large screen, full keypad, menu, H/M/L power, CTCSS DCS, SOS, VOX, squelch, power save, Type-C charging, and long standby.



Image: Close-up of the BAOFENG P15UV radio demonstrating the integrated LED flashlight illuminating a dark area.

Maintenance

Cleaning

Regularly clean the radio's exterior with a soft, damp cloth. Avoid using harsh chemicals or abrasive cleaners. Ensure the charging port and other openings are free of dust and debris.

Battery Care

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

Storage

When storing the radio for extended periods, remove the battery. Store the radio in a dry, dust-free environment away

from direct sunlight and extreme temperatures.

Water Resistance

The BAOFENG P15UV features IPX4 splash waterproof protection. While it can withstand splashes, it is not designed for submersion. Avoid exposing the radio to heavy rain or direct water jets.



Image: The BAOFENG P15UV radio being splashed with water, illustrating its IPX4 life waterproof capability.

Troubleshooting

Problem	Possible Cause	Solution
Radio does not power on.	Battery is low or not installed correctly.	Charge the battery. Ensure the battery is securely attached.

Problem	Possible Cause	Solution
Cannot transmit or receive.	Incorrect frequency/channel. Antenna not connected. Squelch level too high.	Verify frequency/channel settings. Ensure antenna is securely attached. Adjust squelch level.
Poor audio quality.	Low battery. Interference. Incorrect squelch.	Charge battery. Move away from sources of interference. Adjust squelch.
Battery drains quickly.	Frequent transmission. High power setting. Old battery.	Reduce transmission time. Use lower power setting if possible. Consider replacing battery if old.

Specifications

Feature	Detail
Model Number	P15UV
Frequency Range	144-148MHz, 420-450MHz
RF Output Power	8W (Max)
Number of Channels	999
Battery Capacity	1500mAh (Li-ion)
Voltage	7.4 Volts (DC)
Water Resistance Level	IPX4 (Splash Waterproof)
Operation Mode	Simplex
Antenna Resistance	50ohm
Frequency Stability	± 2.5ppm
Talking Range Maximum	4.97 Miles
Tuner Technology	UHF/VHF
Item Weight	13.82 ounces (392g)
Country of Origin	China
Manufacturer	Shiqun Electronics Co., Ltd



Image: Illustration emphasizing the BAOFENG P15UV's high power (8W Max) and long-distance communication capabilities, featuring the high gain antenna.

Warranty and Support

A 1-year warranty is provided for the BAOFENG P15UV radio. This warranty is exclusively offered through "Shiqun Electronics Co., Ltd". For warranty claims or technical support, please contact the manufacturer directly or the authorized seller from whom the product was purchased.

For further assistance, refer to the official BAOFENG website or contact their customer service department.

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