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BAOFENG P15UV

BAOFENG P15UV Two Way Radio User Manual

Model: P15UV

1. Introduction

The BAOFENG P15UV is a versatile and robust dual-band two-way radio designed for reliable communication. It features USB-C charging, 999 channels, a large LED screen, and a full keypad, making it suitable for various applications. This manual provides comprehensive instructions for the proper setup, operation, and maintenance of your P15UV radio.



Image: The BAOFENG P15UV radio with its high-gain antenna, battery, USB-C charging cable, belt clip, hand strap, and programming cable.

2. Package Contents

Please verify that all items are present in your package:

- Portable Radio
- High Gain Antenna
- 1500mAh Li-ion Battery
- USB-C Cable
- Belt Clip

- Hand Strap
- User's Manual (this document)
- Programming Cable

3. Product Overview

Familiarize yourself with the components and features of your BAOFENG P15UV radio:



Image: Labeled diagram showing the Indicator Light, Antenna, Flashlight, Power/Volume Switch, PTT button, Speaker, MIC, Display, Keypad, and Charging Port.

Key Features:

- **Multi-function Ham Radio:** Includes Type-C charging, 999 channels, channel/frequency mode, scan function, large

LED screen, full keypad, H/M/L tri-mode power, CTCSS DCS, SOS function, VOX, squelch adjustable, and 1500mAh long-term stand-by.

- **USB-C Charging:** Conveniently charge the radio directly with a Type-C cable from various power sources like power banks, PCs, or car chargers.
- **Portable Dual Monitoring and Synchronization:** Allows monitoring of one channel while simultaneously displaying channel name and frequency information.
- **High Power Output:** Delivers 5W maximum power for strong signal penetration and long-distance communication.
- **IPX4 Waterproof:** Provides splash waterproof protection for use in various environments.
- **LED Flashlight:** Integrated flashlight for illumination in low-light conditions.



Image: Visual representation of key features including 999 Channels, Channel Mode, Frequency Mode, Scan Function, Large Screen, Full Keyboard, Open Menu, H/M/L Power, CTCSS DCS, SOS Function, VOX Function, Squelch Adjustable, Power Save, Type-C Charging, and Long Standby.

4. Setup

4.1 Battery Installation

1. Ensure the radio is powered off.
2. Locate the battery compartment on the back of the radio.
3. Align the battery with the grooves and gently push it into place until it clicks securely.

4.2 Antenna Attachment

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

4.3 Initial Charging

Before first use, fully charge the battery. The P15UV supports convenient USB-C charging.

1. Connect the USB-C cable to the charging port on the radio.
2. Connect the other end of the USB-C cable to a compatible USB power source (e.g., wall adapter, power bank, computer USB port).
3. The charging indicator light will illuminate. Once charging is complete, the light may change color or turn off depending on the battery status.



Image: The BAOFENG P15UV radio being charged via its USB-C port, illustrating compatibility with various USB power sources.

5. Operating Instructions

5.1 Power On/Off and Volume Control

- To power on the radio, rotate the Power/Volume knob clockwise. You will hear a click and the display will light up.
- Continue rotating the knob clockwise to increase the volume; rotate counter-clockwise to decrease it.
- To power off, rotate the knob counter-clockwise until you hear a click.

5.2 Channel Selection and Frequency Mode

- Use the UP/DOWN arrow keys on the keypad to navigate through the 999 available channels.
- Press the 'MENU' button to access the main menu. From here, you can switch between Channel Mode and

Frequency Mode.

- In Frequency Mode, you can directly input desired frequencies using the numeric keypad.

5.3 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 stop transmitting and return to receive mode.
- Ensure you are on the same frequency/channel as the party you wish to communicate with.



Image: The BAOFENG P15UV radio demonstrating its high power output and long-distance communication capabilities with a high-gain antenna.

5.4 VOX Function (Voice Operated Transmit)

- The VOX function allows for hands-free transmission. When enabled, the radio will automatically transmit when it detects your voice.
- Access the 'MENU' and navigate to the VOX setting to enable or disable it and adjust its sensitivity level.

5.5 SOS Function

- The SOS function can be activated in emergencies to send an alert signal.
- Refer to the radio's menu for specific instructions on how to activate and configure the SOS feature.

5.6 Scan Function

- The scan function allows the radio to automatically scan through programmed channels or frequencies to detect active transmissions.
- Press the '#' (SCAN) button on the keypad to initiate scanning. Press it again to stop.

5.7 LED Flashlight

- The P15UV includes a built-in LED flashlight for convenience.
- Locate the dedicated flashlight button (often near the top or side of the radio) and press it to turn the flashlight on or off.



Image: A close-up view of the BAOFENG P15UV radio highlighting its integrated LED flashlight, useful for low-light situations.

6. Maintenance

6.1 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 securely closed to maintain its IPX4 waterproof rating.

6.2 Storage

- Store the radio in a cool, dry place away from direct sunlight and extreme temperatures.
- If storing for an extended period, remove the battery.

6.3 Battery Care

- Avoid fully discharging the battery frequently.
- Charge the battery regularly, even if the radio is not in use, to maintain battery health.
- Use only the provided or approved charging accessories.



Image: The BAOFENG P15UV radio being exposed to water splashes, illustrating its IPX4 splash waterproof protection.

7. Troubleshooting

If you encounter issues with your radio, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Radio does not power on.	Battery is low or not installed correctly.	Charge the battery fully. Reinstall the battery, ensuring it clicks into place.
Cannot transmit or receive.	Incorrect frequency/channel. Antenna not attached. Battery low.	Verify frequency/channel settings. Ensure antenna is securely attached. Charge the battery.

Problem	Possible Cause	Solution
Poor audio quality.	Low signal strength. Volume too low/high. Squelch level too high.	Move closer to the other radio. Adjust volume. Adjust squelch level in the menu.
Battery drains quickly.	Frequent transmission. Power save mode off.	Limit long transmissions. Enable power save mode in the menu.

8. Specifications

Feature	Specification
Brand	BAOFENG
Model Number	P15UV
Frequency Range	144-148MHz, 420-450MHz
RF Output Power	5W
Number of Channels	999
Battery Capacity	1500mAh (Li-ion)
Voltage	7.4 Volts (DC)
Antenna Resistance	50ohm
Frequency Stability	± 2.5ppm
Operation Mode	Simplex
Water Resistance Level	IPX4 (Splash Waterproof)
Item Weight	14.5 ounces (412g)
Package Dimensions	7.2 x 4.25 x 2.1 inches

9. Warranty and Support

9.1 Warranty Information

A **1-year warranty** is provided for the BAOFENG P15UV radio. This warranty is exclusively provided through "Shiqun Electronics Co., Ltd." Please retain your proof of purchase for warranty claims.

9.2 Customer Support

For technical assistance, troubleshooting beyond this manual, or warranty inquiries, please contact the seller or manufacturer directly. Refer to your purchase documentation for specific contact details.

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