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BAOFENG P15UV

BAOFENG P15UV Two-Way Radio User Manual

Model: P15UV

1. Introduction

This manual provides comprehensive instructions for the safe and efficient operation of your BAOFENG P15UV Two-Way Radio. The P15UV is a robust, dual-band, 5W portable radio designed for reliable communication. It features USB-C charging, 999 channels, and an IPX4 waterproof rating, making it suitable for various environments. Please read this manual thoroughly before using the device to ensure proper functionality and to prevent damage.

2. Package Contents

Verify that all items listed below are present in your package. If any items are missing or damaged, please contact your retailer.

- BAOFENG P15UV Portable Radio
- High Gain Antenna
- 1500mAh Li-ion Battery
- USB-C Charging Cable
- Belt Clip
- Hand Strap
- User's Manual (this document)
- 18.89-inch Tactical Antenna



Image: The BAOFENG P15UV radio displayed with its standard high-gain antenna, 18.89-inch tactical antenna, battery, USB-C cable, belt clip, and hand strap.

3. Product Overview

Familiarize yourself with the various parts of your BAOFENG P15UV radio.



Image: A diagram highlighting key components of the BAOFENG P15UV radio, including the antenna, indicator light, flashlight, power/volume switch, PTT button, speaker, microphone, display, keypad, and USB-C charging port.

- **Antenna:** For transmitting and receiving signals.
- **Indicator Light:** Shows radio status (e.g., transmitting, receiving, charging).
- **Flashlight:** Built-in light for illumination.
- **Power/Volume Switch:** Turns the radio on/off and adjusts volume.
- **PTT (Push-to-Talk) Button:** Press to transmit, release to receive.
- **Speaker:** Outputs received audio.
- **Microphone (MIC):** For voice input during transmission.
- **Display:** Shows channel, frequency, battery status, and other information.
- **Keypad:** For entering frequencies, channel numbers, and accessing menu functions.
- **USB-C Charging Port:** For direct charging of the radio.

4. Setup

4.1 Battery Installation and Charging

1. **Install Battery:** Align the 1500mAh Li-ion battery with the battery compartment on the back of the radio. Slide it into place until it clicks securely.
2. **Charge Battery:**
    - Connect the provided USB-C charging cable to the USB-C port on the side of the radio.
    - Connect the other end of the USB-C cable to a compatible USB power source (e.g., wall adapter, power bank, PC, car USB port).
    - The indicator light will typically show red during charging and turn green when fully charged.



Image: The BAOFENG P15UV radio being charged via its USB-C port, demonstrating the convenience of direct USB-C charging from various power sources.

4.2 Antenna Installation

1. Select either the standard high-gain antenna or the 18.89-inch tactical antenna.
2. Screw the chosen antenna clockwise onto the antenna connector at the top of the radio until it is finger-tight. Do not overtighten.



Image: The BAOFENG P15UV radio shown with the SMA-Male tactical antenna attached, illustrating the antenna connection point.

4.3 Attaching Belt Clip and Hand Strap

- **Belt Clip:** Secure the belt clip to the designated screws on the back of the radio.
- **Hand Strap:** Thread the hand strap through the loop on the top or side of the radio for added security.

5. Operating Instructions

5.1 Power On/Off and Volume Adjustment

- **Power On:** Rotate the Power/Volume switch clockwise until you hear a click.
- **Volume Adjustment:** Continue rotating the Power/Volume switch to adjust the listening volume.
- **Power Off:** Rotate the Power/Volume switch counter-clockwise until you hear a click.

5.2 Basic Communication

1. Ensure the radio is powered on and the antenna is securely attached.
2. Select the desired channel or frequency using the keypad or menu.
3. To transmit, press and hold the PTT button. Speak clearly into the microphone.
4. Release the PTT button to receive.

5.3 Key Features and Functions



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

- **999 Channels:** The radio supports up to 999 programmable memory channels.
- **Channel/Frequency Mode:** Switch between channel mode (pre-programmed channels) and frequency mode (direct frequency input).
- **Scan Function:** Allows the radio to automatically scan through channels or frequencies to detect active transmissions.
- **H/M/L Power:** Adjust transmit power output (High, Medium, Low) to conserve battery or extend range.
- **CTCSS/DCS:** Continuous Tone-Coded Squelch System / Digital Coded Squelch for filtering unwanted signals and private group communication.

- **SOS Function:** Activates an emergency alarm signal.
- **VOX (Voice Operated Transmit):** Enables hands-free transmission when voice is detected. Adjust VOX sensitivity in the menu.
- **Squelch Adjustable:** Adjust the squelch level to suppress background noise when no signal is present.
- **Dual Monitoring and Synchronization:** The radio can monitor two channels simultaneously. The synchronization function allows displaying both channel name and frequency information for a single monitored channel.

6. Maintenance

- **Cleaning:** Use a soft, damp cloth to clean the radio's exterior. Do not use harsh chemicals or abrasive cleaners.
- **Battery Care:**
  - Avoid fully discharging the battery frequently.
  - Store the radio and battery in a cool, dry place when not in use for extended periods.
  - Do not expose the battery to extreme temperatures.
- **Antenna:** Ensure the antenna is always securely attached during operation. Never operate the radio without an antenna.
- **Water Resistance:** The radio has an IPX4 splash waterproof protection rating. While it can withstand splashes, avoid submerging it in water. Ensure the USB-C port cover is properly sealed.



Image: The BAOFENG P15UV radio being used in light rain, demonstrating its IPX4 splash waterproof protection.

7. Troubleshooting

If you encounter issues with your radio, refer to the table below for common problems and solutions.

Problem	Possible Cause	Solution
No power	Battery discharged or not installed correctly.	Charge the battery. Ensure the battery is properly installed.
Cannot transmit or receive	Incorrect frequency/channel, antenna not connected, out of range.	Verify frequency/channel settings. Check antenna connection. Move closer to other radios.
Poor audio quality	Low battery, weak signal, squelch level too high.	Charge battery. Adjust squelch level. Ensure antenna is secure.

Problem	Possible Cause	Solution
Radio continuously transmits (stuck PTT)	PTT button stuck or malfunction.	Check PTT button for physical obstruction. If issue persists, contact support.

8. Specifications

Feature	Detail
Brand	BAOFENG
Model	P15UV
Frequency Range	144-148MHz, 420-450MHz
RF Output Power	5W
Number of Channels	999
Battery Capacity	1500mAh (Li-ion)
Charging Type	USB-C
Water Resistance Level	IPX4 (Splash Waterproof)
Operation Mode	Simplex
Antenna Resistance	50ohm
Frequency Stability	± 2.5ppm
Talking Range Maximum	4.97 Miles (approx. 8 km, dependent on terrain and conditions)
Item Weight	16.12 Ounces (approx. 457g)
Voltage	7.4 Volts (DC)



Image: The BAOFENG P15UV radio demonstrating its 5W maximum power output and high gain antenna for extended range communication.

9. Warranty and Support

9.1 Warranty Information

The BAOFENG P15UV radio comes with a **1-year warranty** provided exclusively 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 Shiqun Electronics Co., Ltd. through their official channels. Refer to your purchase documentation for specific contact details.

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