BAOFENG UV-32

BAOFENG UV-32 Ham Radio Handheld Instruction Manual

Model: UV-32 | Brand: BAOFENG

1. INTRODUCTION

The BAOFENG UV-32 is a feature-rich dual-band walkie-talkie designed for versatile communication. It integrates high-power transmission, GPS real-time positioning, and Bluetooth wireless programming. This device is suitable for various applications including outdoor adventures, project scheduling, security patrols, and team collaboration, providing stable, clear, and secure communication in diverse environments.

Figure 1: BAOFENG UV-32 Ham Radio Handheld and included accessories.

The UV-32 operates on both UHF and VHF bands, offering flexibility across different scenarios. It also includes NOAA FM and AM reception for weather broadcasts and emergency alerts. Key features include a built-in GPS and APRS for location tracking, Bluetooth APP programming for easy customization, 1000 channel storage, and customizable side keys for operational efficiency. The device delivers a 10-watt power output with High/Medium/Low settings and is powered by a 2500mAh rechargeable battery.

2. SETUP

2.1 Unpacking and Initial Inspection

Carefully unpack all components. Ensure the following items are present:

- Main Unit (BAOFENG UV-32)
- Antenna
- 2500mAh Lithium Ion Battery
- Charging Base
- Power Adapter
- Belt Clip
- Lanyard

Figure 2: Included components of the BAOFENG UV-32.

2.2 Battery Installation and Charging

1. Align the battery pack with the grooves on the back of the radio and slide it upwards until it clicks into place.

2. To charge, connect the Type-C USB cable to the charging port on the radio or place the radio in the charging base. Connect the power adapter to the charging base and a power outlet.

3. The charging indicator will show the charging status. A full charge typically takes several hours.
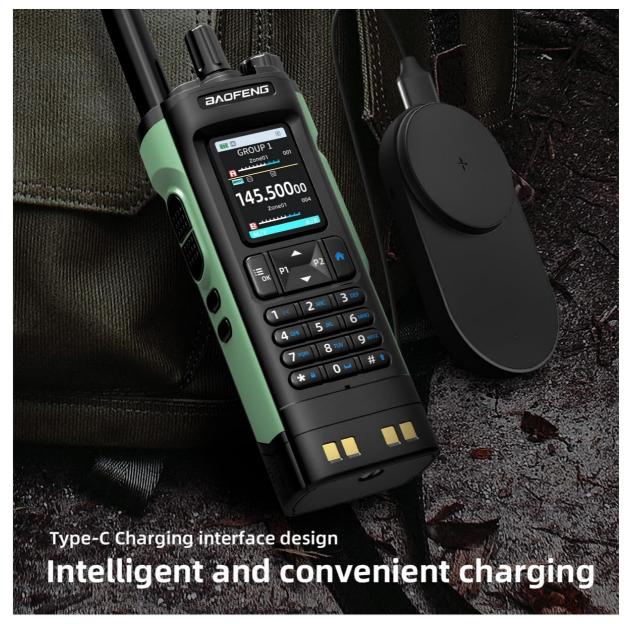

Figure 3: The Type-C charging interface on the BAOFENG UV-32.

The Type-C charging port offers convenient charging, similar to a smartphone, eliminating the need for proprietary charging methods.

2.3 Antenna Attachment

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

3. OPERATING INSTRUCTIONS

3.1 Basic Controls and Display

Figure 4: Labeled diagram of the BAOFENG UV-32 controls and features.

The radio features a 2.00-inch screen display and a full keyboard design for easy navigation and operation. Key controls include:

- **Channel Knob:** Selects channels.
- **Volume Knob/Switch:** Turns the radio on/off and adjusts volume.
- **PTT Emission Key A/B:** Push-to-Talk buttons for transmitting on selected bands.
- **Menu/Confirm Button:** Accesses the menu and confirms selections.
- **Side Key One/Two:** Customizable function buttons.
- **Digital Keyboard:** For frequency input and menu navigation.
- **LCD Display Screen:** Shows frequency, channel, battery status, and other information.
- **Headphone Jack:** For external audio accessories.
- **Home Key:** Returns to the main screen.
- **Select Key:** Used for selection in menus.

3.2 Bluetooth APP Programming

The UV-32 supports Bluetooth APP programming for convenient management of frequencies and channels.

1. Navigate to the menu on the radio and enable the Bluetooth function.
2. On your mobile device, open the dedicated BAOFENG programming app.
3. Scan for nearby devices and connect to your UV-32 radio.
4. Once connected, you can read and write frequencies, adjust settings, and manage channels directly from the app.

Figure 5: Bluetooth APP programming interface for the UV-32.

3.3 GPS and APRS Location Tracking

The built-in GPS and APRS (Automatic Packet Reporting System) allow for accurate location tracking.

1. Access the menu and navigate to the GNSS settings.
2. Enable the GPS function.
3. Press and hold the designated side key (e.g., P2) to activate the GPS function and display your current location coordinates.

3.4 Communication Features

- **Multi-Band Support:** Operates on UHF and VHF bands.
- **NOAA FM and AM Reception:** Tune in to weather broadcasts and emergency alerts.
- **1000 Channel Storage:** Store a large number of channels for quick access.
- **Customizable Side Keys:** Assign frequently used functions to P1 and P2 keys.
- **One-Touch Frequency Matching:** Quickly match frequencies with other compatible radios.
- **Contact Storage and SMS:** Store contacts and send messages for enhanced communication.
- **Quick Scan:** Short press a designated side key (e.g., P1) to initiate a quick scan for active frequencies.
- **Alarm Function:** Press and hold a designated side key (e.g., P1) to activate an alarm.
- **Monitor Function:** Press and hold a designated side key (e.g., P2) to activate the monitor function, allowing you to listen to weak signals.
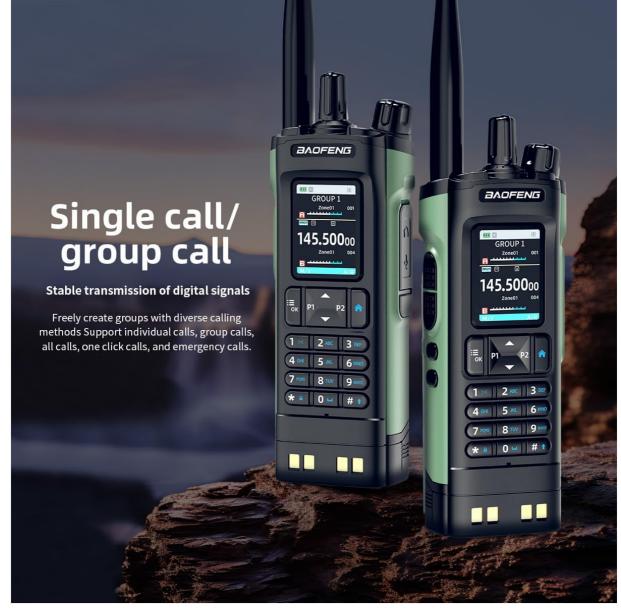
Figure 6: The UV-32 supports single and group calls with stable digital signal transmission.

3.5 Power Output

The UV-32 offers High, Medium, and Low power settings. It delivers a rated stable output power of 14 watts on the UHF band and 10 watts on the VHF band, providing an excellent communication range.

Figure 7: Overview of key features including 10W multi-band capability.

4. MAINTENANCE

4.1 General Care

- Keep the radio clean and dry. Use a soft, damp cloth for cleaning. Avoid harsh chemicals.
- Protect the radio from extreme temperatures, direct sunlight, and moisture.
- Avoid dropping the radio or subjecting it to strong impacts.

4.2 Battery Care

- Charge the battery fully before first use.
- Do not overcharge or deep discharge the battery.
- Store the battery in a cool, dry place when not in use for extended periods.

4.3 Charging Port

Ensure the Type-C charging port is free from dust and debris to maintain proper connection and charging efficiency.

5. TROUBLESHOOTING

If you encounter issues with your BAOFENG UV-32, refer to the following common troubleshooting steps:

- **No Power:** Ensure the battery is correctly installed and fully charged. Check the power switch.
- **Cannot Transmit/Receive:** Verify that the antenna is securely attached. Check the selected frequency/channel and ensure it is within the radio's operating range. Confirm that the squelch level is not set too high.
- **Bluetooth Connection Issues:** Ensure Bluetooth is enabled on both the radio and your mobile device. Make sure the radio is in discoverable mode. Try restarting both devices.
- **GPS Not Locating:** Ensure GPS is enabled in the radio's menu. Move to an open area with a clear view of the sky.
- **Poor Audio Quality:** Check the volume level. Ensure the microphone and speaker are not obstructed.

For persistent issues, consult the official BAOFENG support resources or contact customer service.

6. SPECIFICATIONS

Feature	Specification
Item Weight	1.68 pounds
Package Dimensions	10.51 x 8.66 x 2.52 inches
Item Model Number	UV-TK11(8)
Batteries	1 Lithium Ion battery required (included)
Brand	BAOFENG
Number of Channels	999
Special Feature	Dual Band
Frequency Range	136-174 MHz, 144-148 MHz
Talking Range Maximum	10 Kilometer
Water Resistance Level	Not Water Resistant
Included Components	Antenna
Compatible Devices	Other two-way radios, Bluetooth-enabled devices
Unit Count	1.0 Count

7. WARRANTY INFORMATION

The BAOFENG UV-32 comes with a **2-year warranty**. Please retain your proof of purchase for warranty claims. For detailed terms and conditions, refer to the warranty card included with your product or contact BAOFENG customer support.

8. CUSTOMER SUPPORT

For further assistance, technical support, or inquiries regarding your BAOFENG UV-32, please visit the official BAOFENG website or contact their customer service department. You may also find helpful resources and FAQs on the product's Amazon page or the BAOFENG store page.
BAOFENG Store: Visit the BAOFENG Store on Amazon

9. PRODUCT FEATURES AND OPERATION VIDEO

Video 1: A comprehensive demonstration of the BAOFENG UV-32's features, including app download, Bluetooth operation, GPS functionality, radio activation, quick scan, alarm, monitor functions, USB-C charging, and power output capabilities. This video is provided by the seller, AMSOsprey store.

Related Documents - UV-32

BAOFENG Amateur Radio UV-5RM PLUS (GPS) **USER'S MANUAL**	[BAOFENG UV-5RM PLUS (GPS) Multi-Band Amateur Radio User Manual](#) Explore the BAOFENG UV-5RM PLUS (GPS) Multi-Band Amateur Radio with this comprehensive user manual. Learn about its advanced features, including GPS, APRS, DTMF, and multi-band scanning, designed for reliable communication for both professional and recreational users. This guide covers operation, safety, battery information, and FCC compliance.
Baofeng UV-5R Series FAQs Page	[BaoFeng UV-5R Series FAQs: Your Comprehensive Guide](#) Frequently asked questions (FAQs) for the BaoFeng UV-5R, UV-5RA, UV-5RE, and UV-5R+ series radios. Covers firmware, FCC certification, transmitter/receiver, programming, scanning, tone access, accessories, software, audio, antennas, display, and general troubleshooting.
Baofeng BF-UV5R Programming Guide	[BaoFeng BF-UV5R Programming Guide](#) A comprehensive guide to programming the BaoFeng BF-UV5R dual-band amateur radio using both the manufacturer's software and CHIRP. Covers system requirements, cable setup, software installation, and detailed parameter explanations for radio customization.
Baofeng UV-82 Step-by-Step Programming Guide	[Baofeng UV-82 Step-by-Step Programming Guide](#) This guide provides step-by-step instructions for programming Baofeng UV-82 series radios, covering repeater communication and simplex settings, including frequency, offset, tone, and memory storage.
BAOFENG RADIO YOUR SECRET WEAPON FOR SAFETY AND CONNECTIVITY BRADLEY PRESTON	[Baofeng Radio: Comprehensive Guide to Safety, Connectivity, and Emergency Communication](#) This document provides a comprehensive guide to Baofeng radios, including the popular UV-5RA model. It covers understanding the Baofeng brand, basic operations, programming, advanced features, antenna optimization, maintenance, and emergency use scenarios. Learn how Baofeng radios serve as essential tools for amateur radio operators, outdoor enthusiasts, and preparedness advocates.
Kabel USB do Baofeng UV-5R, UV-82, UV-6R, BF-888s	[Programowanie Radiotelefonów Baofeng za pomocą Oprogramowania CHIRP](#) Przewodnik krok po kroku dotyczący programowania radiotelefonów Baofeng UV-5R, UV-82, UV-6R, BF-888s przy użyciu kabla USB i oprogramowania CHIRP. Zawiera instrukcje instalacji sterowników, podłączania, konfiguracji pamięci i ustawień zaawansowanych.