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BAOFENG UV-32

BAOFENG UV32 Ham Radio Instruction Manual

Comprehensive instruction manual for the BAOFENG UV32 Ham Radio, covering setup, operation, features like 10W power, GPS, APP programming, NOAA weather, and USB-C charging.

1. Introduction to BAOFENG UV32

The BAOFENG UV32 is a professional 10W handheld ham radio designed for long-range communication. It features up to 1000 channels, high/mid/low tri-power switching, built-in GPS, frequency duplication, stopwatch, FM radio, VOX, DTMF, and NOAA weather reception. This device is engineered for robust performance in various environments, offering enhanced communication capabilities and user convenience.



Image: Front view of the BAOFENG UV32 Ham Radio displaying its screen and keypad, surrounded by icons representing its key features such as 2-inch color screen, GPS, wireless APP programming, NOAA, tri-power, multi-band, wireless copy frequency, and USB-C charging.

2. Package Contents

Ensure all items are present in your package:

- 1 x BAOFENG UV32 Radio Unit
- 1 x 2500mAh Battery
- 1 x 21CM Antenna
- 1 x 21CM Gooseneck Antenna
- 1 x Headset
- 1 x USB-C Charging Cable
- 1 x Base Charger
- 1 x Radio Case

- 1 x User Manual

3. Product Overview

Familiarize yourself with the physical components of your BAOFENG UV32 radio.



Image: Detailed diagram of the BAOFENG UV32 radio from multiple angles, labeling key components such as the antenna, encoder/channel selector switch, power/volume knob, 2-inch color LCD screen, PTT key, side keys (SK1, SK2), numeric keypad, speaker, built-in microphone, accessory port, charge contact, and Type-C charging port.

4. Setup and Charging

4.1 Battery Installation

1. Align the 2500mAh battery with the back of the radio unit.
2. Slide the battery into place until it clicks securely.

3. Use the provided screwdriver to fasten the battery screw at the bottom for added security.

4.2 Antenna Attachment

1. Screw the desired antenna (standard or gooseneck) clockwise onto the antenna connector at the top of the radio until it is finger-tight. Do not overtighten.

4.3 Charging the Battery

The BAOFENG UV32 offers multiple charging options:

- **Using the Base Charger:** Place the radio with the battery installed into the desktop base charger. Ensure the charging contacts align. The indicator light on the charger will show charging status.
- **Using USB-C Direct Charging:** Connect the provided USB-C cable to the Type-C port on the back of the battery (when installed) and to a compatible USB power source (e.g., car charger, power bank, laptop, wall adapter).



Image: A collage showing the BAOFENG UV32 radio being charged via its USB-C port (connected to a laptop) and also placed in its desktop base charger, highlighting the convenience of multiple charging methods.

5. Basic Operation

5.1 Power On/Off and Volume

To power on or off the radio, rotate the Power/Volume knob located at the top of the unit. Turn clockwise to power on and increase volume; turn counter-clockwise to decrease volume and power off.

5.2 Channel Selection and Frequency Adjustment

Use the numeric keypad to directly input frequencies or channel numbers. The up/down arrow keys can be used to navigate through channels or adjust frequencies in VFO (Variable Frequency Oscillator) mode. The encoder/channel selector switch can also be rotated to change channels.

5.3 Transmitting and Receiving

To transmit, press and hold the PTT (Push-To-Talk) button on the side of the radio. Speak clearly into the microphone. Release the PTT button to receive. Ensure you are on an appropriate frequency or channel for communication.

6. Advanced Features

6.1 Wireless Phone APP Programming

The BAOFENG UV32 supports wireless programming via a mobile application. This feature allows for easy input and

adjustment of frequencies without the need for complex cables.

1. Enable Bluetooth on your UV32 radio via the menu settings.
2. Download and install the recommended walkie-talkie tool APP on your mobile device (available for iOS and Android).
3. Open the APP, connect to your UV32 via Bluetooth, and follow the on-screen instructions to read/write frequencies and customize settings.

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Video: A demonstration of how to program the BAOFENG UV-32 radio using a mobile application via Bluetooth, showing the steps to connect and modify settings.

6.2 One-Click Frequency Copy

This feature allows you to quickly copy the frequency of another ham walkie-talkie without computer programming.

1. Turn on the radio and long-press the appropriate key (refer to your radio's specific key mapping in the settings) to activate the frequency search mode.
2. When "SEARCH" appears on the screen, press the designated key to switch bands if necessary.
3. Once the frequency appears, press the save channel key to store it.



Image: A step-by-step visual guide on the BAOFENG UV32 screen showing how to use the one-click frequency copying function, from initiating search to saving a channel.

6.3 Built-in GPS Function

The integrated GPS function allows for location tracking and communication in emergency situations, enhancing safety and coordination.

1. Navigate to the GNSS menu in the radio settings.
2. Enable GPS functionality.
3. You can view your current coordinates, speed, altitude, and time.



Image: Two BAOFENG UV32 radios in an outdoor setting, illustrating the GPS positioning feature with location pins on a map, emphasizing its utility for teamwork and navigation.

6.4 NOAA Weather Radio

Receive weather forecasts and emergency alerts for extreme weather conditions through NOAA, ensuring your safety in adverse weather.



Image: A BAOFENG UV32 radio with the NOAA Weather Radio logo and various weather condition icons (snowstorm, hurricane, flood, earthquake), indicating its capability to receive weather alerts.

6.5 FM/AM Radio Reception

The radio supports both FM and AM reception, allowing you to tune into broadcast radio stations.



Image: A BAOFENG UV32 radio displaying the AM Band Receiving feature, with an airplane graphic in the background, suggesting its capability for airband reception.

6.6 Digital Recording and Text Messaging

The UV32 features digital recording capabilities for up to 10 hours of audio. It also supports text messaging with 500,000 DMR digital contacts.

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Video: A demonstration of various functions of the BAOFENG DM-32, including TDMA Dual Time Slot, text messaging, and one-click frequency copy.

7. Maintenance

- **Cleaning:** Use a soft, damp cloth to clean the radio's exterior. Avoid harsh chemicals or abrasive cleaners.
- **Battery Care:** Store the battery in a cool, dry place when not in use. Avoid fully discharging the battery frequently to prolong its lifespan.
- **Antenna Care:** Ensure the antenna is securely attached. Avoid bending or stressing the antenna excessively.
- **Storage:** When storing the radio for extended periods, remove the battery and store it separately.

8. Troubleshooting

- **Radio not powering on:** Ensure the battery is fully charged and correctly installed. Check the power/volume knob.
- **No signal/poor reception:** Check antenna connection. Ensure you are within range of another radio or repeater. Adjust squelch level.
- **Cannot transmit:** Verify the PTT button is functioning. Ensure you are on a valid transmit frequency and not in receive-only mode.
- **APP connection issues:** Ensure Bluetooth is enabled on both the radio and your mobile device. Restart both devices and try reconnecting.

9. Specifications

Feature	Detail
Item Weight	1.85 pounds
Package Dimensions	10.52 x 8.67 x 2.75 inches
Item Model Number	UV-32
Batteries	1 12V batteries required (included)
Brand	BAOFENG
Number of Channels	1000
Special Feature	Copy Frequency, Long Range, NOAA Weather Receiver
Frequency Range	VHF UHF
Talking Range Maximum	1000 Meter (optimal conditions)
Water Resistance Level	Not Water Resistant
Included Components	1 X Radio, Battery, 1X Type-c Cable & 1 X Base Charger, 1 X Earpiece & 1 X Radio Case, 1 X 21cm Antenna & 1X 21cm Gooseneck Antenna

10. Warranty and Support

Warranty: The product specifications indicate "NO" warranty. Please refer to your retailer's return policy for details on returns or exchanges.
Support: For programming software or any technical assistance, please contact the seller's after-sales service. They will actively cooperate to provide support.

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