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› BAOFENG UV-32 Walkie Talkie User Manual

BAOFENG UV-32

BAOFENG UV-32 Walkie Talkie User Manual

Model: UV-32

INTRODUCTION

Thank you for choosing the BAOFENG UV-32 Walkie Talkie. This advanced two-way radio is designed for versatile communication across various environments, featuring multi-band support, GPS, Bluetooth APP programming, and robust performance. This manual provides detailed instructions to help you set up, operate, and maintain your UV-32 radio effectively and safely.



Image: The BAOFENG UV-32 radio with its antenna, battery, charging base, power adapter, wrist strap, and belt clip pouch.

SAFETY INFORMATION

Please read and understand all safety precautions before using your radio. Failure to do so may result in injury or damage to the device.

- **Battery Safety:** Use only BAOFENG approved batteries and chargers. Do not short-circuit, incinerate, or disassemble the battery pack.
- **Antenna Care:** Do not touch the antenna during transmission. Avoid using the radio with a damaged antenna, as it may cause minor burns.
- **Interference:** Turn off the radio in areas where two-way radios are prohibited, such as hospitals, aircraft, or near blasting sites.
- **Water Exposure:** The UV-32 is not water-resistant. Avoid exposure to rain, moisture, or submersion in water.
- **Cleaning:** Use a soft, dry cloth for cleaning. Do not use harsh chemicals or solvents.

PACKAGE CONTENTS

Upon opening your BAOFENG UV-32 package, please verify that all the following items are included:

- BAOFENG UV-32 Radio Unit
- Antenna
- 2500mAh Li-ion Battery Pack
- Desktop Charger
- Power Adapter (Type-C compatible)
- Belt Clip
- Hand Strap
- User Manual (this document)



Image: All components included in the BAOFENG UV-32 package.

PRODUCT OVERVIEW

Familiarize yourself with the various parts of your BAOFENG UV-32 radio:



Image: Detailed diagram of the UV-32 radio with labels for each component.

- **Antenna:** For transmitting and receiving signals.
- **Channel Knob:** Rotates to select channels.
- **Volume Knob/Switch:** Turns the radio on/off and adjusts volume.
- **LCD Display Screen:** Shows frequency, channel, battery status, and menu options. (2.00" screen display)
- **Headphone Jack:** For external audio accessories.
- **PTT Emission Key A/B:** Push-to-Talk buttons for transmitting on selected frequency.
- **Menu/Confirm Button:** Accesses the menu and confirms selections.
- **Side Key One/Two:** Customizable function keys.
- **Digital Keyboard:** For direct frequency input and menu navigation.
- **Home Key:** Returns to the main display.
- **Select Key:** Used for navigation and selection.
- **Type-C Interface:** For charging and data connection.



Image: Front, side, and back views of the BAOFENG UV-32 radio.



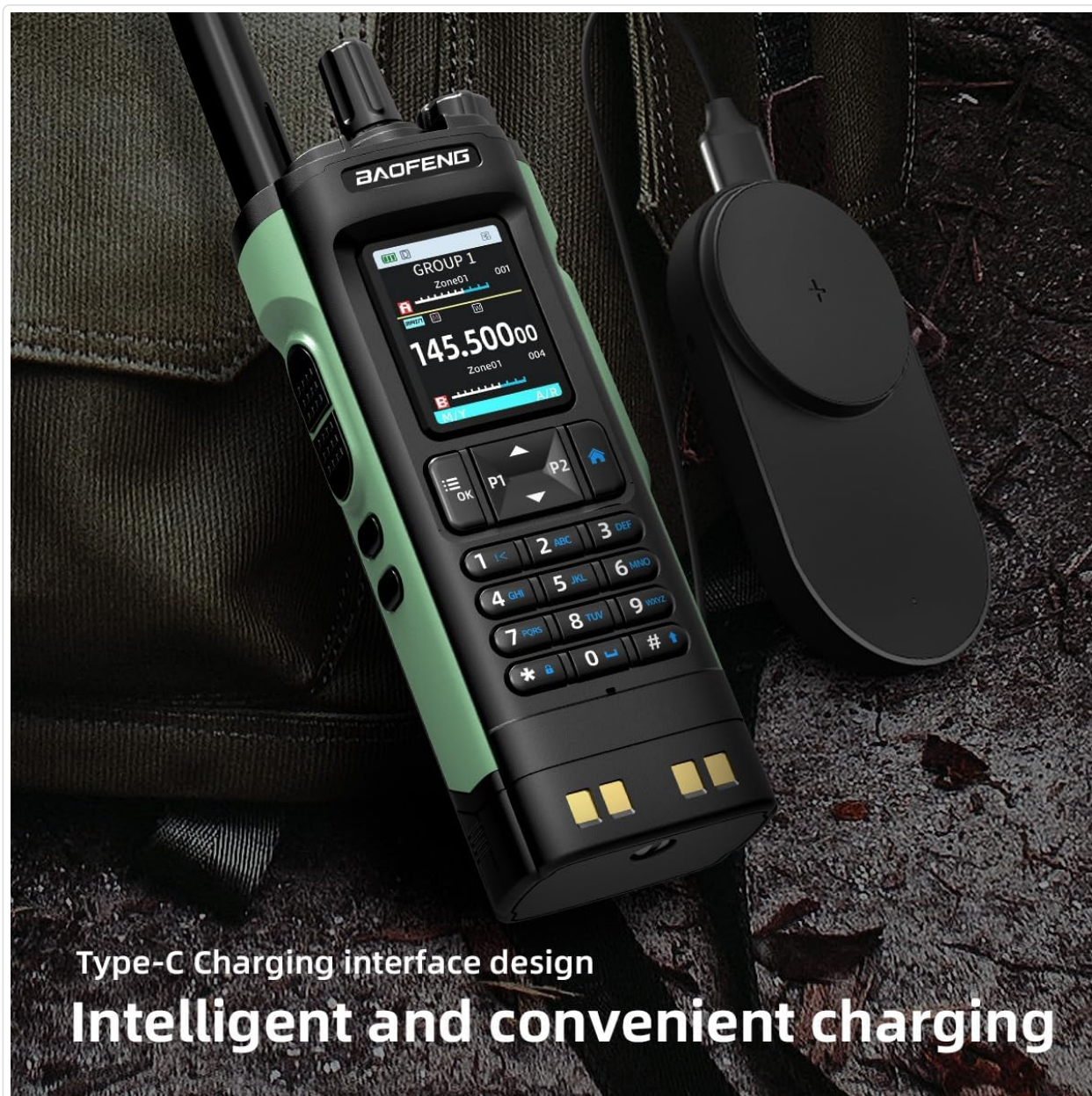
2.00"
Screen display
Full keyboard design

Image: A close-up view of the radio's 2.00-inch screen and full keyboard.

SETUP

1. Battery Installation and Charging

Before first use, fully charge the battery. Insert the battery pack into the radio until it clicks into place. To charge, place the radio (with battery installed) into the desktop charger. Connect the power adapter to the charger and a power outlet. The charging indicator light will show charging status.



Type-C Charging interface design
Intelligent and convenient charging

Image: The BAOFENG UV-32 radio demonstrating its Type-C charging interface.

2. Antenna Attachment

Screw the antenna clockwise into the connector on the top of the radio until it is firmly seated. Do not overtighten.

3. Initial Power-On

Rotate the Volume Knob/Switch clockwise to turn on the radio. Adjust the volume to a comfortable level.

4. Bluetooth APP Programming

The UV-32 supports Bluetooth programming via a mobile application, allowing for easy management of frequencies and channels.

1. **Enable Bluetooth:** On the radio, navigate to the menu and enable the Bluetooth function. A Bluetooth icon will appear on the status bar.
2. **Device Pairing:** On your mobile phone or computer, turn on Bluetooth and open the dedicated programming APP. Ensure the radio is in discoverable mode. Select the UV-32 from the list of available

devices to pair.

3. **Read/Write Configuration:** Once connected, use the APP interface to edit frequency parameters, channel groups, sub-tone settings, and other configurations. Write the new settings to the radio. You can also back up existing configurations from the device.



Image: Illustration of the Bluetooth APP programming feature for the UV-32 radio.

OPERATING INSTRUCTIONS

1. Basic Operation

- **Power On/Off:** Rotate the Volume Knob/Switch.
- **Volume Adjustment:** Rotate the Volume Knob/Switch.
- **Channel Selection:** Use the Channel Knob or the Digital Keyboard to input frequencies/channels directly.
- **Transmitting (PTT):** Press and hold the PTT Emission Key (A or B) to transmit. Speak clearly into the microphone. Release to receive.

2. Channel Management

The UV-32 supports up to 1000 channels. Channels can be programmed manually or via the Bluetooth APP. Use the Channel Knob to cycle through programmed channels or enter frequencies directly in VFO mode.

3. Advanced Features

The BAOFENG UV-32 is equipped with a range of advanced communication and safety features:

POWERFUL FUNCTION

Numerical and Analog Compatibility
U/V dual frequency band
TDMA dual time slot
AMBE+2 TM Speech Coding
2.00 "screen display
Full keyboard design
Digital monitoring
Digital analog hybrid scanning
Simulate signaling
Support wide and narrow bandwidth
AM aviation frequency band reception
FM FM radio function
Single call group call group call
128 word SMS function
Digital encryption
Digital alarm
Call records
GPS positioning
10 hour digital recording
50000 CSV imports and exports



Image: The UV-32 radio highlighting its powerful functions and capabilities.

- **Multi-Band Support:** Operates on both UHF and VHF bands for versatile communication.
- **NOAA FM and AM Reception:** Receive NOAA weather broadcasts and emergency alerts.
- **GPS and APRS Location Tracking:** Built-in GPS and APRS (Automatic Packet Reporting System) for accurate location tracking.
- **TDMA Dual Time Slot Technology:** Direct dual capacity mode communication enables two groups of calls simultaneously on the same frequency, optimizing frequency resources.



Image: Explanation of TDMA Dual Time Slot Technology.

- **Contact Storage and SMS Functionality:** Store contacts and send text messages.
- **One-Touch Frequency Matching:** Quickly match frequencies with other radios for seamless communication.
- **Single Call / Group Call:** Supports individual, group, and all calls for flexible communication.



Single call/ group call

Stable transmission of digital signals

Freely create groups with diverse calling methods Support individual calls, group calls, all calls, one click calls, and emergency calls.

Image: The UV-32 radio's support for single and group calls.

- **Power Output Settings:** Choose between 10W, 5W, and 1W to suit communication needs and conserve battery.
- **Customizable Side Keys:** Personalize the functions of the side keys for quick access to frequently used features.

MAINTENANCE

- **Cleaning:** Wipe the radio's surface with a soft, damp cloth. Do not use abrasive cleaners or solvents.
- **Battery Care:** To prolong battery life, avoid fully discharging the battery frequently. Store the radio and battery in a cool, dry place when not in use for extended periods.
- **Antenna:** Ensure the antenna is securely attached. Do not bend or force the antenna.
- **Storage:** Store the radio in a dry, dust-free environment away from direct sunlight and extreme temperatures.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Radio does not power on.	Battery is low or not installed correctly.	Charge the battery or re-install it.
Cannot transmit or receive.	Incorrect frequency/channel; out of range; antenna loose.	Verify frequency/channel; move closer to other radios; check antenna connection.
Poor audio quality.	Low battery; interference; volume too low/high.	Charge battery; move away from interference sources; adjust volume.
Bluetooth APP connection fails.	Bluetooth not enabled on radio/phone; radio not in discoverable mode.	Ensure Bluetooth is on for both devices; check radio's Bluetooth settings.

SPECIFICATIONS

Feature	Detail
Model Number	UV-32
Item Weight	1.64 pounds
Package Dimensions	10.43 x 8.54 x 2.36 inches
Batteries	1 Lithium Ion battery required (included)
Number of Channels	1000
Special Feature	Dual Band, GPS, Bluetooth APP Programming
Frequency Range	136-174 MHz, 450-470 MHz
Talking Range Maximum	12 Kilometer
Tuner Technology	UHF
Water Resistance Level	Not Water Resistant
Color	Green
Manufacturer	Fujian Baofeng Electronics Co.,Ltd.
Country of Origin	China

WARRANTY AND SUPPORT

The BAOFENG UV-32 Walkie Talkie comes with a 2-year warranty from the date of purchase. This warranty covers manufacturing defects and malfunctions under normal use. It does not cover damage caused by misuse, accidents, unauthorized modifications, or exposure to water.

For technical support, warranty claims, or service inquiries, please contact your authorized BAOFENG dealer or visit the official BAOFENG website for contact information.