

## BAOFENG DM32UV

# BAOFENG UV-32 Ham Radio Instruction Manual

## 1. INTRODUCTION

The BAOFENG UV-32 is a powerful, multi-band amateur two-way radio designed for reliable long-range communication and advanced field operation. This manual provides detailed instructions for the proper setup, operation, and maintenance of your UV-32 radio, ensuring optimal performance and user safety. Please read this manual thoroughly before using the device.

## 2. PRODUCT OVERVIEW AND KEY FEATURES

The BAOFENG UV-32 Ham Radio integrates several advanced features to enhance your communication experience:

- **Bluetooth APP Programming:** Configure frequencies, channels, and parameters wirelessly via a smartphone app, eliminating the need for a programming cable.
- **Built-in GPS Positioning & Location Sharing:** Utilize dual-mode GPS/Beidou for real-time latitude, longitude, altitude, and direction. Share or request location information with other radios.
- **10W High Power Dual Band Communication:** Offers adjustable high/mid/low power settings up to 10 watts, covering VHF 136-174 MHz and UHF 400-520 MHz for extended range and signal quality.
- **Advanced Scanning & Wireless Frequency Copy:** Quickly scan active signals and CTCSS/DCS codes. The one-touch frequency copy function allows for rapid cloning of frequencies in the field.
- **Type-C Fast Charging & Long Battery Life:** Equipped with a large-capacity Li-ion battery and dual charging options (Type-C direct charge or charging dock). Provides up to 18 hours of runtime.
- **Rich Features:** Includes NOAA weather alerts, FM radio, VOX voice-activated transmission, emergency alarm, encryption, dual watch, and automatic keypad lock.
- **Large Color Display & 1000-Channel Storage:** Features a 2.0-inch full-color screen and a full keypad for intuitive operation. Store up to 1000 channels across 10 zones with editable names.

# 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 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



The image showcases the BAOFENG UV-32 radio alongside a list of its powerful functions, such as numerical and analog compatibility, U/V dual frequency band, TDMA dual time slot, 2.0-inch screen, full keypad, digital monitoring, GPS positioning, and 10-hour recording.

## 3. PACKAGE CONTENTS

Upon unpacking your BAOFENG UV-32, please verify that all standard components are present:

- BAOFENG UV-32 Radio Unit
- Li-ion Battery Pack
- Antenna
- Desktop Charger with AC Adapter
- Belt Clip
- Hand Strap
- User Manual

## 4. SETUP

## 4.1 Battery Installation

1. Align the battery pack with the grooves on the back of the radio.
2. Slide the battery pack upwards until it clicks securely into place.
3. To remove, press the battery release latch (usually at the bottom of the battery) and slide the battery downwards.

## 4.2 Antenna Attachment

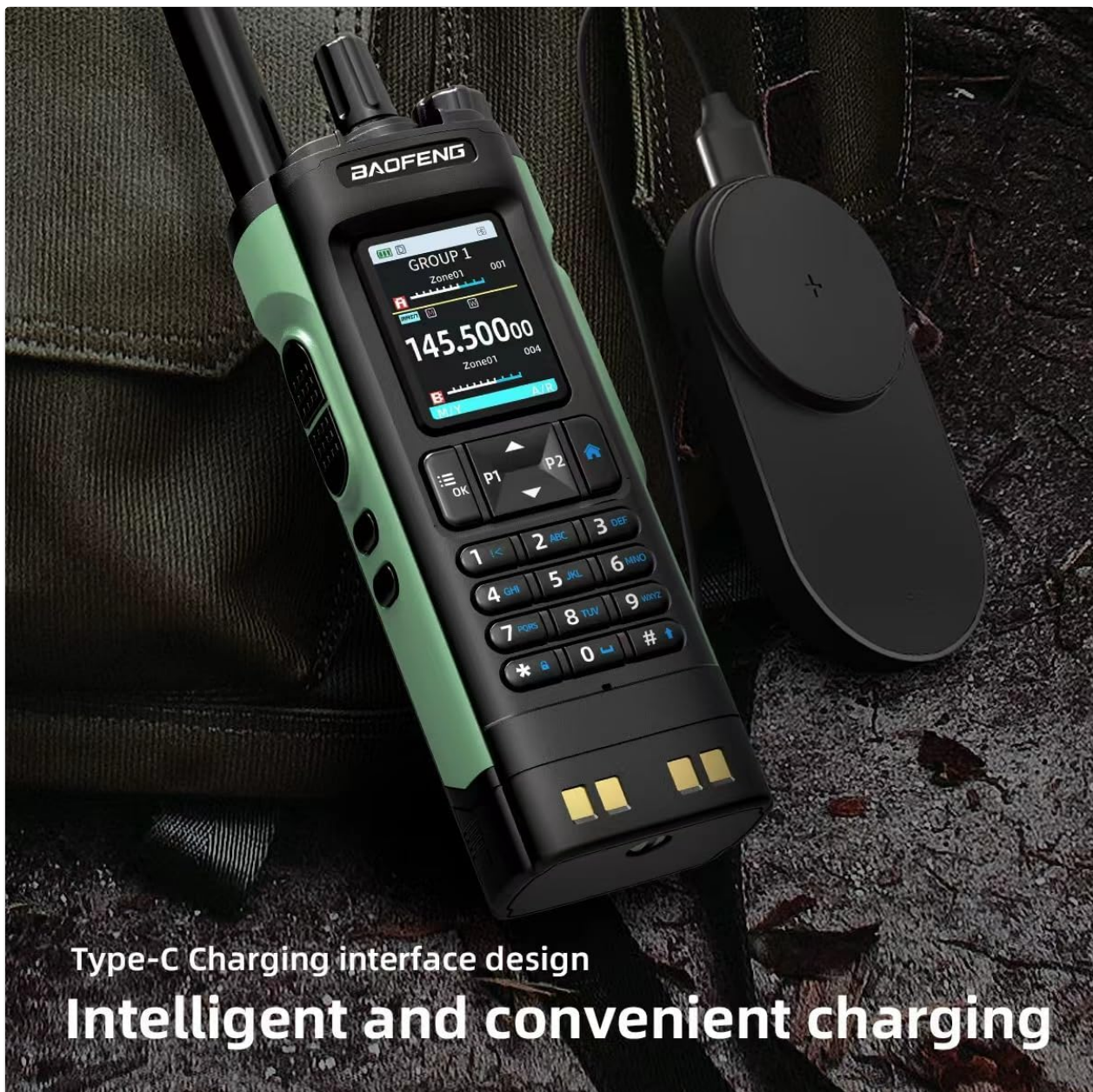
1. Screw the antenna into the connector on the top of the radio by turning it clockwise until it is firmly seated. Do not overtighten.
2. Ensure the antenna is properly attached for optimal signal reception and transmission.

## 4.3 Initial Charging

Before first use, fully charge the battery. The UV-32 supports two charging methods:

- **Type-C Direct Charging:** Connect a Type-C USB cable directly to the radio's charging port.
- **Charging Dock:** Place the radio (with battery installed) into the provided desktop charging dock. Ensure the charging indicator light illuminates.

A full charge typically takes several hours. The charging indicator will change color or turn off when charging is complete.



## Type-C Charging interface design Intelligent and convenient charging

This image highlights the Type-C charging interface of the BAOFENG UV-32 radio, demonstrating its modern and convenient charging capabilities. A wireless charging pad is also visible, suggesting versatile charging options.

### 4.4 Bluetooth APP Programming

The BAOFENG UV-32 can be programmed wirelessly via a smartphone application:

1. Download the official BAOFENG programming app from your smartphone's app store.
2. Ensure Bluetooth is enabled on your smartphone and the UV-32 radio.
3. Open the app and follow the on-screen instructions to search for and connect to your UV-32 radio.
4. Once connected, you can read and write frequencies, set channels, and configure various radio parameters directly from your phone.



The image shows the BAOFENG UV-32 radio next to a smartphone screen, illustrating the Bluetooth app programming feature. The app allows for wireless frequency and channel configuration.

## 5. OPERATING INSTRUCTIONS

### 5.1 Power On/Off and Volume Adjustment

- **Power On:** Rotate the Power/Volume knob clockwise until you hear a click. The display will illuminate.
- **Power Off:** Rotate the Power/Volume knob counter-clockwise until you hear a click.
- **Volume Adjustment:** Rotate the Power/Volume knob clockwise to increase volume and counter-clockwise to decrease it.

### 5.2 Channel and Frequency Selection

The UV-32 features a 2.0-inch full-color display and a full keypad for easy navigation:



**2.00"**  
**Screen display**  
**Full keyboard design**

A detailed view of the BAOFENG UV-32 radio's 2.0-inch full-color screen and comprehensive keypad. The screen displays frequency information and menu options, while the keypad provides intuitive control.

- **Channel Mode:** Use the keypad to directly enter a channel number or use the UP/DOWN arrow buttons to scroll through stored channels.
- **Frequency Mode (VFO):** Enter frequencies directly using the numeric keypad.
- **Dual Watch:** Press the dedicated dual watch button (if available) or navigate through the menu to enable monitoring of two frequencies simultaneously.



This image emphasizes the BAOFENG UV-32's dual-frequency capability (UHF/VHF) and its support for AM aviation frequency band reception and FM radio, offering versatile communication and entertainment options.

### 5.3 Transmit and Receive

- **Receiving:** When a signal is detected on the selected frequency/channel, the radio will automatically open the squelch and output audio.
- **Transmitting:** 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 return to receive mode.



# 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.

The image features two BAOFENG UV-32 radios, both showing 'GROUP 1' on their displays. This illustrates the radio's capability for both individual and group calls, ensuring stable digital signal transmission.

## 5.4 GPS Functionality

The UV-32 features built-in GPS/Beidou positioning:

- Access the GPS menu to view your current latitude, longitude, altitude, and direction.
- Use the location sharing feature to transmit your coordinates to other compatible radios or request their location.

## 5.5 Wireless Frequency Copy

To quickly copy a frequency from another radio:

- Activate the one-touch frequency copy function (refer to your radio's menu for specific steps).
- Place the UV-32 near the transmitting radio. The UV-32 will scan and copy the active frequency and CTCSS/DCS codes.

## 5.6 NOAA Weather Alert and FM Radio

- **NOAA Weather Alert:** Enable this feature through the menu to receive real-time weather alerts from

NOAA broadcasts.

- **FM Radio:** Activate the built-in FM broadcast receiver to listen to commercial FM radio stations.

## 5.7 VOX Function (Voice-Activated Transmission)

The VOX function allows for hands-free transmission:

- Enable VOX through the radio's menu and adjust the sensitivity level.
- When VOX is active, the radio will automatically transmit when it detects your voice, without needing to press the PTT button.



This image explains the TDMA (Time Division Multiple Access) dual time slot technology of the BAOFENG UV-32 radio, which allows two groups of calls to be conducted simultaneously on the same frequency, optimizing resource usage.

## 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 charging port and antenna connector are free from dust and debris.

## 6.2 Battery Care

- Avoid fully discharging the battery frequently to prolong its lifespan.
- 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 or direct sunlight.

## 7. TROUBLESHOOTING

If you encounter issues with your BAOFENG UV-32, refer to the following common problems and solutions:

- **Radio does not power on:** Ensure the battery is fully charged and correctly installed. Check the Power/Volume knob.
- **Cannot transmit or receive:** Verify the antenna is securely attached. Check that you are on the correct frequency/channel and that the squelch level is not set too high. Ensure the battery has sufficient charge.
- **Charging issues:** Confirm the Type-C cable or charging dock is properly connected and the power source is active. Check for any debris in the charging port.
- **Poor audio quality:** Adjust the volume. Ensure the antenna is properly connected. Move to an area with better signal reception.
- **Bluetooth APP connection failure:** Ensure Bluetooth is enabled on both the radio and smartphone. Restart both devices and try reconnecting.

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

## 8. SPECIFICATIONS

Feature	Specification
Brand	BAOFENG
Model Number	DM32UV
Color	Green
Number of Channels	1000
Frequency Range	VHF 136-174 MHz, UHF 400-520 MHz
Output Power	Up to 10W
Battery Life	18 Hours (Average)
Connectivity Protocol	Bluetooth
Display	2.0 inch Full-Color Screen
Special Feature	Dual Band, GPS, Bluetooth APP Programming, Wireless Frequency Copy, NOAA Weather Alert, VOX
Charging Type	Type-C, Charging Dock

## 9. WARRANTY INFORMATION

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Warranty information for the BAOFENG UV-32 Ham Radio is typically included with your product packaging. Please refer to the documentation provided at the time of purchase for specific terms and conditions, or contact BAOFENG customer support for detailed warranty coverage.

## 10. SUPPORT

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For further assistance, technical support, or to download the latest software and firmware updates, please visit the official BAOFENG website. You may also contact their customer support team directly using the contact information provided on their website or in your product documentation.