

[Manuals.plus](#) /

› [BAOFENG](#) /

› BAOFENG DM32 DM-32UV DMR Radio Instruction Manual

## BAOFENG DM32UV

# BAOFENG DM32 DM-32UV DMR Radio Instruction Manual

*Model: DM32UV*

## INTRODUCTION

---

This manual provides detailed instructions for the safe and efficient operation of your BAOFENG DM32 DM-32UV DMR Radio. Please read this manual thoroughly before using the device to ensure proper functionality and to prevent damage. This radio operates in both advanced DMR digital mode and traditional analog mode, offering versatile communication capabilities.

## WHAT'S IN THE BOX

---

Upon opening the package, verify that all items listed below are present:

- 1 X Radio
- 1 X Type-C Cable
- 1 X Base Charger
- 1 X Earpiece
- 1 X Radio Case
- 7 X Antenna Silicone Cover
- 1 X Battery (2500mAh)
- 1 X SRH-805S Antenna
- 1 X 33cm Antenna
- 1 X 21cm Gooseneck Antenna

## SETUP

---

### 1.1 Charging the Battery

The BAOFENG DM32 DM-32UV radio comes with a 2500mAh high-capacity battery. Ensure the battery is fully charged before first use.

- **Using the Base Charger:** Place the radio into the provided base charger. Ensure the charging contacts align. The indicator light on the charger will show the charging status.
- **Using the Type-C Port:** Connect the provided Type-C cable to the radio's Type-C port and to a compatible power source (e.g., wall adapter, power bank, laptop, car charger). The Type-C port supports convenient charging and data transfer.



Image: The BAOFENG DM32 DM-32UV radio demonstrating both Type-C cable charging and charging via the included base charger. Various power sources like power banks, laptops, and car chargers are shown as compatible with Type-C charging.

## 1.2 Attaching the Antenna

The radio comes with two types of antennas: a 33cm antenna and a 21cm gooseneck antenna. Select the appropriate antenna for your communication needs.

1. Carefully screw the chosen antenna onto the antenna connector at the top of the radio.

2. Ensure it is securely fastened but do not overtighten.



Image: A BAOFENG DM32 DM-32UV radio with an antenna attached, illustrating the overall form factor and key controls.

### 1.3 Installing Programming Software

To program the radio with custom frequencies and settings, you need to download and install the official software.

1. Turn on the walkie-talkie and ensure the programming cable is securely connected to both the radio and your computer.
2. Visit the official Baofeng website ([www.baofengradio.com](http://www.baofengradio.com)).
3. Navigate to the "Support" or "Download" section.
4. Search for the software compatible with the DM-32UV model (e.g., "Baofeng DM-32UV CPS").
5. Download and install the software following the on-screen instructions.

Your browser does not support the video tag.

Video: This video demonstrates the process of downloading and installing the programming software for Baofeng walkie-talkies from the official website. It shows how to connect the radio, find the correct software, and complete the installation steps.

## 1.4 Programming the Radio

After installing the software, you can program channels and other settings.

1. Launch the installed CPS (Customer Programming Software).
2. Select the correct communication port (COM port) for your connected radio within the software settings.
3. Read the existing data from the radio to ensure compatibility and to back up current settings.
4. Edit the channel frequencies, power levels, CTCSS/DCS codes, and other parameters as needed. The radio supports up to 4,000 channels.
5. Once editing is complete, write the new data back to the radio.

Your browser does not support the video tag.

Video: This video demonstrates how to program the Baofeng DM-32UV radio using the CPS software. It covers selecting the communication port, reading data from the radio, editing channel settings, and writing the updated configuration back to the device.

## OPERATING INSTRUCTIONS

### 2.1 Power On/Off and Volume Control

To power on the radio, rotate the Volume knob/switch (04 in diagram) clockwise. Continue rotating to adjust the volume. Rotate counter-clockwise until a click is heard to power off.



**DM32**  
(DMR walkie-talkie)

**\* 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
- 128 word SMS function
- Digital encryption
- Digital alarm
- Call records
- GPS positioning
- 10 hour digital recording
- 50000 CSV imports and exports

**New-Gen Digital Performance:**  
Ultra clear audio, optimized for interference-free communication.

Image: A detailed diagram of the BAOFENG DM32 DM-32UV radio, highlighting and numbering its various components including the antenna, channel knob, indication light, volume knob/switch, LCD screen, PTT key, side keys, digital keyboard, accessory port, built-in microphone, charging contact, and Type-C interface.

### 2.2 Digital & Analog Dual-Mode

The DM32 DM-32UV supports both advanced DMR digital mode and traditional analog mode. This allows for compatibility with existing analog systems while providing access to digital features like text messaging, call recording, and enhanced encryption. The radio can seamlessly switch between these modes.



Image: The BAOFENG DM32 DM-32UV radio displayed with text emphasizing its capability for seamless switching between digital and analog modes, ensuring compatibility and efficient communication.

### 2.3 High Power & Crystal-Clear Audio

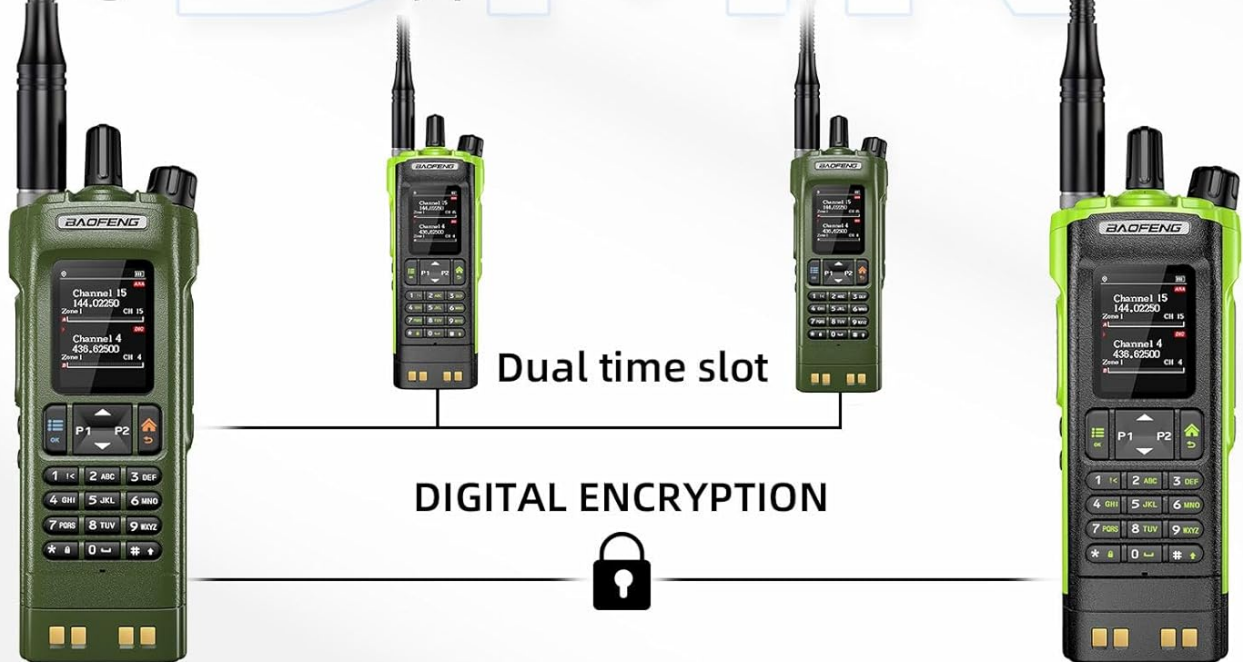
The radio offers 10W maximum output power, which can be switched to Mid/Low to conserve battery. Advanced voice coding technology and anti-interference algorithms ensure exceptionally clear and loud audio, even in noisy environments or over long distances.

### 2.4 Advanced GPS & Safety Features

The built-in GPS and APRS (Automatic Packet Reporting System) allow for real-time location tracking and reporting. In emergencies, the emergency alarm function can be used to send distress signals. Digital encryption (ARC4/AES128/AES256) provides secure and private communications.

# Digital Walkie-Talkie

Digital encryption anti-interference



Dual time slot

DIGITAL ENCRYPTION



## Multi call mode



Individual

If you have 20 walkie talkies in your hand, you can choose one of them



Group calling

If you have 20 walkie talkies in your hand, You can set up small groups where several people can talk to each other independently



Group call

If you have 20 walkie talkies in your hand, one person is speaking, the rest can be heard and multiple groups can be set up

*Image: Multiple BAOFENG DM32 DM-32UV radios shown in an urban landscape with a GPS positioning icon, illustrating the device's advanced GPS and APRS capabilities for real-time location tracking.*

## 2.5 Channel Management & Programming Flexibility

The radio supports up to 4,000 channels and utilizes TDMA dual-time slot technology for efficient frequency use. Manual programming is possible directly on the device using the full keyboard and 2.0-inch screen. Side keys can be customized for quick access to frequently used functions.

# Best Choice



FM Radio



Alarm



Multi-band

# BAOFENG

## 2.0" LCD

2.0" large screen



## Fast frequency

Faster and easier



## TYPE-C

Fast charging jack



## KEYPAD

Numeric keypad



## Message

Support text editing



## BATTERY

lithium battery



## 4000channel



## Flagship chip



## Hard core



## High power



Image: A BAOFENG DM32 DM-32UV radio with text emphasizing its 4000-channel capacity and various features like 2.0" LCD, Type-C charging, numeric keypad, message support, lithium battery, and high power.

## 2.6 One-Click Frequency Copying

The radio features a one-click frequency copying function for convenience:

1. **Step 1:** Long press the P1 button to enter frequency scanning mode.
2. **Step 2:** The screen will display "search" as it scans. If sub-tones are present, their values will be displayed.
3. **Step 3:** Once a frequency is found, the screen will show the frequency, and you can save it to a channel.

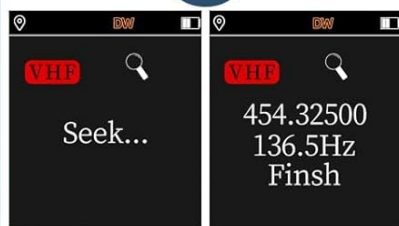
## One Click Copying Frequency

01



step1:  
Long press   
to enter the frequency scanning

02



step2:  
screen display "search "  
\* If there are sub tones, the sub tone value will be displayed  
\* If there are no sub sounds, display None

03



step3:  
Screen appearance  
frequency, to save channel



Image: A visual guide on the BAOFENG DM32 DM-32UV radio screen showing the three steps for one-click frequency copying: long-pressing P1 for scanning, displaying search results, and saving the found frequency to a channel.

## 2.7 Multi-Band Transmission and Reception

The radio supports a wide range of frequencies for various applications:

- **Civilian:** 400-470MHz
- **Marine:** 136-174MHz
- **FM Radio:** 65-108MHz
- **Aviation:** 108-136MHz (receive only)

# UV Dual Band MULTI-BAND TRANSMITTER AND RECEIVER



Civilian:

400-470MHz

Marine:

136-174MHz

FM Radio:

65-108MHz

Aviation:

108-136MHz receive

Image: The BAOFENG DM32 DM-32UV radio highlighting its UV Dual Band capabilities, specifying frequency ranges for Civilian, Marine, FM Radio, and Aviation (receive) use.

## 2.8 Multi-Call Modes

The radio supports various call modes for flexible communication:

- **Individual Call:** Communicate directly with a specific radio.
- **Group Call:** Set up small groups for communication among specific team members.
- **All Call:** Broadcast to all radios within range.



*Image: An illustration showing multiple BAOFENG DM32 DM-32UV radios and the concept of multi-call modes, including individual, group, and all calls, along with digital encryption.*

## 2.9 Text Messaging and Contacts

Utilize the radio's text messaging function (supporting CN/EN, 128 characters) and contacts function for efficient communication beyond voice.

# Seamless switching between digital and analog

Support DMR digital mode and traditional analog mode, compatible with existing devices, smooth transition to efficient digital communication



Image: Two BAOFENG DM32 DM-32UV radios depicted with speech bubbles, emphasizing the contacts and SMS (text messaging) functions available on the device.

## MAINTENANCE

---

- **Cleaning:** Use a soft, damp cloth to clean the radio's exterior. Avoid using harsh chemicals or abrasive cleaners.
- **Battery Care:** To prolong battery life, avoid overcharging and fully discharging the battery frequently. Store the radio and battery in a cool, dry place when not in use for extended periods.
- **Antenna Care:** Ensure antennas are securely attached and not bent or damaged. Replace damaged antennas to maintain optimal performance.
- **Software Updates:** Periodically check the official Baofeng website for firmware updates to ensure your radio has the latest features and bug fixes.

## TROUBLESHOOTING

---

- **No Power:** Ensure the battery is fully charged and correctly installed. Check the power knob for proper rotation.
- **Cannot Transmit/Receive:** Verify the antenna is securely attached. Check channel settings and ensure you are on an active frequency. Confirm the radio is in the correct mode (digital/analog).
- **Poor Audio Quality:** Check antenna connection. Ensure you are within range of other radios or repeaters. Adjust volume.
- **Programming Issues:** Ensure the programming cable is correctly connected and the software is installed properly. Verify the correct COM port is selected in the software.
- **GPS Not Working:** Ensure the radio has a clear view of the sky for satellite acquisition.

## SPECIFICATIONS

---

Feature	Detail
Brand	BAOFENG
Model Number	DM32UV
Number of Channels	4000
Frequency Range	108-136 MHz (AM), 65-108 MHz (FM), UHF 400.000-470.000 MHz (RX, TX), VHF 136.000-174.000 MHz (RX, TX)
Talking Range Maximum	10 Kilometer
Voltage	9 Volts
Waterproof Rating	IP67 (Dust tight and protected against immersion in water up to 1 meter for 30 minutes)
Product Dimensions	8.87"D x 2.84"W x 10.88"H
Number of Batteries	1 9V battery (included)
Connectivity Protocol	USB (Type-C)
Temperature Range	-10°C to +55°C Degrees Celsius
Impedance	50 Ohms
GTIN	755745220700

## WARRANTY INFORMATION

---

For detailed warranty information, please refer to the documentation provided with your purchase or contact BAOFENG customer support directly. Protection plans may be available for extended coverage.

## CUSTOMER SUPPORT

---

If you encounter any issues or have questions regarding your BAOFENG DM32 DM-32UV radio, please visit the official BAOFENG website for support resources, FAQs, and contact information:

[www.baofengradio.com](http://www.baofengradio.com)