BAOFENG DM-32UV

BAOFENG DM32 DMR Radio User Manual

Model: DM-32UV

1. Introduction

The BAOFENG DM32 is a professional handheld DMR (Digital Mobile Radio) and analog two-way radio designed for reliable long-range communication. It features dual-mode compatibility, GPS functionality, NOAA weather radio reception, and flexible charging options, making it suitable for various environments and communication needs.



Image 1.1: BAOFENG DM32 DMR Radio with all included accessories, showcasing the radio, two antennas, USB-C charging cable, base charger, battery, and radio holster.

2. Package Contents

Please verify that all items listed below are included in your package:

- 1 x BAOFENG DM32 Radio
- 1 x 2500mAh Battery
- 1 x 21CM Antenna
- 1 x 38CM Antenna
- 1 x Headset
- 1 x USB-C Charging Cable
- 1 x Base Charger

- 1 x Back Clip
- 1 x User Manual



Image 2.1: The included radio holster, designed for secure, convenient, and protective carrying of the BAOFENG DM32 radio.

3. Key Features

- **Dual-Mode Compatibility:** Supports both DMR digital mode and traditional analog mode.
- **Extended Range:** Signal waves penetrate wood, steel, and concrete for improved performance in urban environments.
- **High Channel Capacity:** Up to 4000 programmable channels.
- **GPS Functionality:** Built-in GPS for location tracking and APRS support.
- **NOAA Weather Radio:** Receives weather forecasts and emergency alerts.
- **TDMA Dual Time Slot:** Allows two communications on a single frequency resource.
- **Flexible Charging:** Supports USB-C direct charging and base charger.
- **SMS Function:** Supports text messages up to 128 characters.
- **Customizable Keys:** Side keys can be configured for various functions (e.g., SOS, location info).
- **Tri-Power Switching:** High/Mid/Low power output options.



Image 3.1: Visual representation of the BAOFENG DM32's key features, including DMR+Analog, GPS, frequency ranges, TDMA Dual Time Slot, 2.0" TFT Large Screen, Wireless Copy Frequency, 4000 Channels, Digital Call, Tri Power, NOAA, and VOX.

4. Setup

4.1 Battery Installation and Charging

The BAOFENG DM32 comes with a 2500mAh rechargeable battery. Ensure the battery is fully charged before first use.

1. Align the battery with the battery compartment on the back of the radio.
2. Slide the battery into place until it clicks securely.
3. To charge, you have two options:
    - **USB-C Direct Charging:** Connect the provided USB-C cable to the Type-C port on the back of the battery and to a compatible USB power source (e.g., wall adapter, power bank, car charger, laptop).
    - **Base Charger:** Place the radio with the battery installed into the charging cradle. Ensure the charging contacts align. The indicator light on the base charger will show charging status.



Image 4.1: Illustration of the two available charging methods for the BAOFENG DM32: Type-C fast charging directly to the battery and traditional base charging.

4.2 Antenna Attachment

Select the appropriate antenna (21CM or 38CM) based on your communication needs and frequency band. Screw the antenna clockwise onto the antenna connector on top of the radio until it is finger-tight.

4.3 Powering On/Off

To power on the radio, rotate the power/volume knob clockwise. To power off, rotate it counter-clockwise until it clicks.

5. Operating Instructions

5.1 Dual-Mode Operation (DMR & Analog)

The DM32 supports both digital (DMR) and analog communication. The radio automatically detects the mode of the incoming signal. For transmitting, ensure your channel is configured for the desired mode.



Image 5.1: Diagram illustrating the TDMA Dual Time Slot technology and the seamless transition between Digital and Analog modes for both transmission and reception.

5.2 Channel Management

The radio supports up to 4000 channels. You can manually set channel parameters and communication lists using the 2.0-inch screen and full keyboard. Refer to the programming software for advanced channel configuration.

5.3 GPS and SMS Functions

The built-in GPS function allows for real-time location tracking and APRS (Automatic Packet Reporting System) capabilities. The radio also supports sending and receiving text messages up to 128 characters, with text editing and draft storage features.



Image 5.2: Visual representation of the global positioning feature, showing the radio's ability to display location information and support APRS and NOAA functions.



Image 5.3: Depiction of the SMS function, highlighting its compatibility with Motorola, Hytera, and DMR Alliance message formats.

5.4 NOAA Weather Radio

Utilize the NOAA reception feature to obtain weather forecasts and receive emergency alerts for severe weather conditions, ensuring your safety.



Image 5.4: The NOAA Weather Radio feature, providing alerts for various weather events like snowstorms, hurricanes, floods, and earthquakes.

5.5 TDMA Dual Time Slot

The TDMA dual slot technology allows the device to carry two simultaneous communications on a single frequency, optimizing frequency utilization.

5.6 Digital Call Types

The radio supports multiple calling methods in digital mode:

- **Single Call:** Direct communication with a specific radio.
- **Group Call:** Communication with a predefined group of radios.
- **All Call:** Broadcast communication to all radios within range.



Image 5.5: Overview of digital call options including All Call, Group Call, Private Call, and One-Touch Call.

5.7 One-Touch Search Frequency

The radio features a one-touch search frequency function, allowing for quick frequency acquisition without complex programming.



Image 5.6: Step-by-step guide for using the One Touch Search Frequency feature, demonstrating how to activate search, view results, and save channels.

6. Maintenance

6.1 Battery Care

- Avoid fully discharging the battery frequently.
- Store the battery in a cool, dry place when not in use for extended periods.
- Do not expose the battery to extreme temperatures.

6.2 Cleaning

Wipe the radio with a soft, damp cloth. Do not use harsh chemicals or abrasive cleaners. Ensure the radio is dry before use.

6.3 General Handling

- Avoid dropping the radio or subjecting it to strong impacts.
- Keep the radio away from excessive dust and moisture. Note that the radio is not water resistant.
- Do not attempt to disassemble the radio, as this will void any potential warranty.

7. Troubleshooting

If you encounter issues with programming the radio or require programming software, please contact BAOFENG's after-sales service for assistance. Many operational issues can be resolved by ensuring proper channel configuration and battery charge.

8. Specifications

Feature	Specification
Model Number	DM-32UV
Item Weight	1.83 pounds
Package Dimensions	10.59 x 8.74 x 2.64 inches
Batteries	1 x 12V battery (included)
Number of Channels	4000
Frequency Range	VHF UHF
Special Features	Copy Frequency, Digital Display, Long Range
Voltage	12 Volts
Water Resistance Level	Not Water Resistant
Manufacturer	Baofeng

9. Warranty and Support

9.1 Warranty Information

Please note that there is no explicit warranty information provided for this product. For any warranty-related inquiries, it is recommended to contact the seller or manufacturer directly.

9.2 Customer Support

For technical support, programming software, or any other inquiries, please contact BAOFENG's after-sales service. Their contact information can typically be found on the product packaging or the official BAOFENG website.

Ask a question about this manual

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. Privacy details.

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question