

BAOFENG DM-32

BAOFENG DM-32 DMR Digital and Analog Two-Way Radio User Manual

Model: DM-32 | Brand: BAOFENG

1. INTRODUCTION

This manual provides detailed instructions for the safe and effective operation of your BAOFENG DM-32 DMR Digital and Analog Two-Way Radio. The DM-32 is a versatile communication device supporting both Digital Mobile Radio (DMR) and traditional analog modes, offering features such as GPS, APRS, and a 10W power output. Please read this manual thoroughly before using the radio to ensure proper functionality and to prevent damage.



Figure 1: BAOFENG DM-32 DMR Digital and Analog Two-Way Radio. This image displays the front view of the radio, highlighting its color display, keypad, and control knobs.

2. SAFETY INFORMATION

Observe the following safety precautions to reduce the risk of fire, electric shock, or personal injury:

- Do not operate the radio in explosive atmospheres (e.g., flammable gases, dust particles, metallic powders).
- Do not modify the radio. Unauthorized modifications can void your warranty and violate regulations.
- Use only BAOFENG-approved batteries and chargers.
- Avoid exposing the radio to direct sunlight for extended periods or to extreme temperatures.
- Keep the radio away from medical devices to prevent interference.
- Do not immerse the radio in water. This device is not water-resistant.

3. PACKAGE CONTENTS

Verify that all items are present in your package:

- DM-32 Two-Way Radio x 1
- Li-Ion Battery x 1

- Antenna x 1
- Power Adapter x 1
- USB Cable x 1
- User Manual x 1
- Belt Bag x 1
- Leather Sheath x 1 (may vary by package)
- Charger (desktop cradle) x 1

Basic Accessories

Packing List



Figure 2: Basic Accessories. This image illustrates the various components included in the BAOFENG DM-32 package, such as the radio unit, battery, antenna, charger, and carrying accessories.

4. PRODUCT OVERVIEW

The BAOFENG DM-32 features a robust design with a 2-inch color LCD display and a full keypad. Key-

caps are designed with high-definition characters for durability and comfort.

Humanization Appearance

2 inch colour LCD display
Composite design with
PC+TPU wrapped edges



Side key customiz- ation settings

Side key customization settings,
Do not change the user's operating
habits of the radio



Button Design

Key-caps are designed
with high-definition
characters,
more durable





Figure 3: Radio Design Features. This image highlights the radio's 2-inch color LCD display, PC+TPU wrapped edges, customizable side keys, and high-definition button design.

5. SETUP

5.1 Battery Installation

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

5.2 Antenna Attachment

1. Screw the antenna clockwise into the connector on the top of the radio until it is finger-tight.
2. Do not overtighten.

5.3 Charging the Battery

The DM-32 supports convenient charging via USB Type-C, allowing for direct charging, car charging, or power bank charging.

1. Insert the USB Type-C cable into the charging port on the side of the radio.
2. Connect the other end of the USB cable to the power adapter or a compatible USB power source.
3. The charging indicator light will illuminate. It will change color or turn off when charging is complete.

Convenient charging In multiple scenarios



Figure 4: Charging Options. This image illustrates the flexibility of charging the BAOFENG DM-32 using a Type-C USB cable, compatible with direct charging, car chargers, and power banks.

5.4 Powering On/Off

- **To Power On:** Rotate the Power/Volume knob clockwise until you hear a click and the display illuminates.
- **To Power Off:** Rotate the Power/Volume knob counter-clockwise until you hear a click and the display turns off.

6. OPERATING INSTRUCTIONS

6.1 Basic Operation

- **Volume Adjustment:** Rotate the Power/Volume knob to adjust the audio output level.
- **Channel/Frequency Selection:** Use the Up/Down arrow keys or the keypad to navigate through channels or input frequencies.
- **Transmit (PTT):** Press and hold the Push-To-Talk (PTT) button on the side of the radio to transmit. Release to receive.

6.2 Power Output Adjustment

The DM-32 offers three power settings: 10W (High), 5W (Medium), and 1W (Low). These can be adjusted

via the radio's menu or a programmable side key to conserve battery or optimize range.

6.3 DMR Features

The DM-32 utilizes TDMA dual-time slot technology, effectively doubling user capacity on a single frequency. It supports various DMR calling methods:

- **Private Call:** Direct communication with a specific radio.
- **Group Call:** Communication with a predefined group of radios.
- **All Call:** Broadcast to all radios within range.
- **One-Touch Call:** Pre-programmed quick call function.
- Additional functions include call prompt, intercom check, remote monitoring, remote killing, and resurrection.

DMR Multiple Call Methods and Enhancement Function

Private call, Group call, All call, one-touch call, call alert, radio check, remote monitor, remote kill,



Private call



Group call



All Call



Remote Monitor





Figure 5: DMR Call Methods. This image illustrates the various DMR call types supported by the BAOFENG DM-32, including Private Call, Group Call, All Call, and Remote Monitor.

6.4 GPS and APRS Functionality

The radio integrates GPS/Beidou dual satellite positioning and supports APRS (Automatic Packet Reporting System) for real-time position reporting.

GPS/Beidou dual Satellite positioning

APRS Automatic Position Reporting System

Real-time positioning of both parties

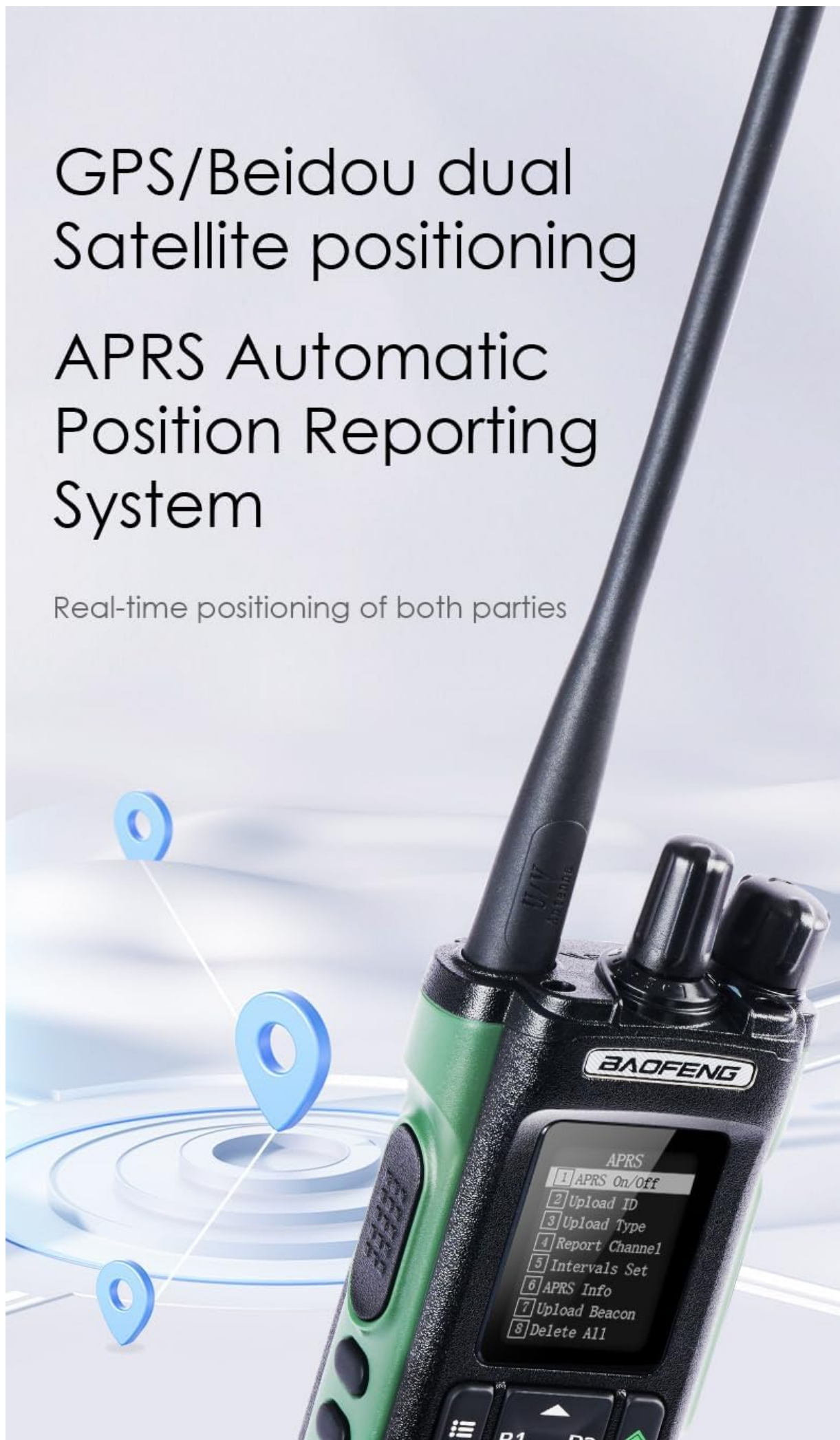


Figure 6: GPS/APRS Features. This image shows the radio's display with GPS and APRS menu options, indicating its capability for satellite positioning and automatic position reporting.

6.5 Text Messaging (SMS)

The DM-32 supports text SMS functions in both Chinese and English. Users can send and receive messages up to 128 characters, with text editing and draft box capabilities. It supports M-SMS, H-SMS, and D-SMS formats.

6.6 Side Key Customization

The radio features customizable side keys, allowing users to assign frequently used functions for quick access. Refer to the radio's menu for customization options.

6.7 Digital Encryption

The DM-32 incorporates digital encryption using the AES advanced algorithm to enhance communication privacy and information security.

Digital Encryption Audible and Controllable

Adopting the same AES advanced algorithm applied in military and financial industries, combinations to guarantee the privacy of communication and the security of information.





Figure 7: Digital Encryption. This image highlights the digital encryption capability of the radio, emphasizing its use of the AES algorithm for secure communication.

6.8 Audio System

The radio features a new high-performance audio system with a 40MM large size speaker unit and AMBE+2™ digital vocoder, ensuring clear and loud voice transmission without noise interference.

New high-performance audio system

40MM large size speaker unit with AMBE+2™ digital vocoder



Figure 8: High-Performance Audio. This image visually represents the radio's advanced audio system, featuring a 40MM speaker and AMBE+2™ digital vocoder for superior sound quality.

7. MAINTENANCE

7.1 Cleaning

- Wipe the radio's surface with a soft, damp cloth. Do not use harsh chemicals or abrasive cleaners.
- Ensure the charging port and battery contacts are clean and free of debris.

7.2 Battery Care

- Charge the battery fully before initial use.
- Avoid overcharging or completely draining the battery to prolong its lifespan.
- Store the battery in a cool, dry place when not in use for extended periods.

8. TROUBLESHOOTING

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

- **Radio does not power on:** Ensure the battery is properly installed and charged. Check the Power/Volume knob.

- **No audio:** Adjust the volume knob. Check if the squelch level is set too high. Verify the channel is active.
- **Cannot transmit or receive:** Ensure the antenna is securely attached. Verify you are on the correct frequency/channel and that the power output is sufficient. Check for interference.
- **Poor signal quality:** Check antenna connection. Move to an open area away from obstructions. Adjust power output.

For persistent issues, consult the BAOFENG customer support or a qualified technician.

9. SPECIFICATIONS





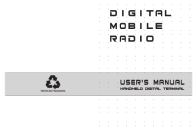

Feature	Specification
Receive Frequency Range	FMS5 103MHz / AM 108-136MHz / VHF 136-174MHz / 220-260MHz / 350-390MHz / 400-520MHz
Transmit Frequency Range	136-174MHz / 220-260MHz / 400-480MHz
Channel Spacing	25KHz / 12.5KHz
Channel Capacity	4000
DMR Contacts	800
Frequency Stability	±2.5ppm
Zone Capacity	250
CVC Contacts	50000
Battery Capacity	2500mAh (Li-Ion)
Weight (with antenna & battery)	350g
Dimensions (H*W*L)	182 x 67 x 41mm (without antenna)
RF Power Output	10W (High) / 5W (Medium) / 1W (Low)
Talking Range Maximum	10 Kilometers (under optimal conditions)
Water Resistance Level	Not Water Resistant

10. WARRANTY AND SUPPORT

The BAOFENG DM-32 radio comes with a 6-month warranty from the date of purchase. This warranty covers manufacturing defects under normal use. It does not cover damage caused by misuse, accidents, unauthorized modifications, or exposure to water.

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

Related Documents - DM-32

	DM-32UV - DM-32UV DMR UHF/VHF
	Baofeng DM-32UV Digital DMR Analog Two Way Radio User Manual Explore the Baofeng DM-32UV, a versatile dual-band digital DMR and analog two-way radio. This user manual provides comprehensive instructions for operating the DM-32UV, featuring advanced communication technology, high-audio quality, digital encryption, GPS/BeiDou positioning, and various scanning capabilities for UHF/VHF frequencies. Learn about its functional features, battery maintenance, and safety guidelines for optimal performance.
	Erweitertes Deutsches Benutzerhandbuch für BAOFENG DMR Funkgeräte Dieses umfassende Benutzerhandbuch von Radioddity bietet detaillierte Anleitungen und Informationen für die BAOFENG DMR Funkgeräte der Modelle DM-1701, DM-1702, DM-1703, DM-1706 und DM-1802. Erfahren Sie alles über Inbetriebnahme, Bedienung, Programmierung und Wartung Ihrer Funkgeräte.
	BAOFENG DM-5R Wireless Digital Two-way Radio Operating Instructions The BAOFENG DM-5R is a versatile wireless digital two-way radio designed for civilian use, featuring 128 channels, a lattice LCD, and English and Chinese voice prompts. This manual provides comprehensive instructions for its operation, maintenance, and advanced functions including DMR compatibility, CTCSS/DCS signaling, VOX, scanning, and digital call modes.
	Baofeng DM-1701 User Manual: Digital Mobile Radio Guide Comprehensive user manual for the Baofeng DM-1701 handheld digital mobile radio. Learn about its features, operation, battery management, and safety guidelines for DMR communication.
	Baofeng DM-32UV User Manual: Digital DMR and Analog UHF/VHF Two Way Radio This user manual provides comprehensive instructions for the Baofeng DM-32UV, a versatile dual-band digital DMR and analog UHF/VHF two-way radio. It covers features, safety precautions, installation, charging, operation, and advanced functions for reliable communication.