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BAOFENG DM-1702

BAOFENG DM-1702 Digital Analog DMR Two-Way Radio User Manual

Model: DM-1702

1. INTRODUCTION

The BAOFENG DM-1702 is a versatile digital and analog compatible DMR two-way radio designed for reliable communication. It features dual time slot capabilities, 5W output power, and covers UHF/VHF frequency ranges. Equipped with GPS functionality and digital noise-canceling technology, it ensures clear calls even in challenging environments. This manual provides essential information for setting up, operating, and maintaining your DM-1702 radio.

2. WHAT'S IN THE Box

Upon unpacking your BAOFENG DM-1702, please verify that all the following items are included:

- Portable Radio
- 2200mAh Li-ion Battery
- High Gain Antenna
- Charging Dock
- Power Adapter
- Belt Clip
- Lanyard
- User's Manual
- 48cm/18.89in Tactical Antenna
- Acoustic Headset



Figure 2.1: Package Contents of the BAOFENG DM-1702 Radio.

3. PRODUCT OVERVIEW

The BAOFENG DM-1702 radio is designed for ease of use and durability. Familiarize yourself with the main components and controls:



Figure 3.1: Labeled Components of the BAOFENG DM-1702 Radio.

The radio features a multi-function 1.77-inch color TFT display for clear information display and navigation. Its durable hardened outer casing provides an ergonomic and comfortable design for extended use.



Figure 3.2: Various Views of the BAOFENG DM-1702 Radio.

4. KEY FEATURES

- **Digital and Analog Compatibility:** Seamless mode rotation between digital and analog for flexible communication.
- **Dual Time Slot (Tier I & Tier II Compliant):** Enhances channel capacity and efficiency.
- **Digital Noise Canceling Technology:** Ensures clear audio quality in noisy environments.
- **GPS Functionality:** Supports longitude and latitude position display for precise geographic location.
- **High Power Output:** 5W for extended range communication.
- **1024 Channels:** Ample storage for various frequencies and settings.
- **VOX Voice Activation:** Hands-free operation for convenience.
- **DTMF and SMS Functions:** Advanced communication capabilities.
- **VFO Mode:** Allows for direct frequency input.
- **Smart Power Save:** Optimizes battery life.

DM-1702

5W

Dual Time Slot

Digital/Analog

1024 Channels



DMR+Analog+GPS

Figure 4.1: Overview of BAOFENG DM-1702 Key Features.

5. SETUP AND INITIAL USE

5.1 Battery Installation and Charging

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 charge, place the radio with the battery installed into the charging dock. Ensure the charging contacts align.
4. Connect the power adapter to the charging dock and a power outlet. The charging indicator will illuminate.

5.2 Antenna Attachment

Screw the antenna clockwise onto the connector at the top of the radio until it is finger-tight. Do not overtighten.

5.3 Programming the Radio

The BAOFENG DM-1702 can be programmed via computer for advanced settings and channel management. This typically requires a programming cable and specific software.

Video 5.1: Demonstrates how to copy a frequency and sub-tone from another radio nearby, a useful feature for quick setup.

Video 5.2: Provides a programming guide for Baofeng radios, illustrating the process of connecting the radio to a computer and using programming software.

6. OPERATING INSTRUCTIONS

6.1 Power On/Off and Volume Control

- To power on, rotate the Power/Volume knob clockwise until you hear a click.
- To power off, rotate the Power/Volume knob counter-clockwise until you hear a click.
- Adjust the volume by rotating the Power/Volume knob.

6.2 Menu Navigation and Channel Selection

Use the keypad and navigation buttons (up/down arrows, MENU/OK, BACK/EXIT) to access and navigate the radio's menu system. The 1.77-inch color TFT display provides a clear interface for selecting options and channels.

Video 6.1: Demonstrates menu navigation and channel selection on a Baofeng DMR radio, showing how to browse contacts and settings.

Video 6.2: Illustrates basic menu operations and settings adjustments on a digital radio, including navigating through various options.

6.3 Transmitting and Receiving

- To transmit, 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 receive.
- Ensure you are on the correct channel and frequency for communication.

6.4 Special Functions

- **GPS:** The DM-1702-GPS supports longitude & latitude position display, providing precise geographic location.
- **FM Radio:** The radio includes an FM radio function for entertainment.
- **Flashlight:** A built-in flashlight can be activated for illumination.
- **NOAA Weather Radio:** Access NOAA weather channels for important weather alerts and information.

7. MAINTENANCE

- **Cleaning:** Use a soft, damp cloth to clean the radio's exterior. Avoid harsh chemicals or abrasive cleaners.
- **Battery Care:** Charge the battery fully before first use. Avoid overcharging or completely draining the battery to prolong its lifespan. Store the radio and battery in a cool, dry place.
- **Antenna:** Ensure the antenna is securely attached. Do not operate the radio without an antenna to prevent damage.

8. TROUBLESHOOTING

If you encounter issues with your BAOFENG DM-1702, consider the following common solutions:

- **No Power:** Check battery charge level and ensure it is correctly installed. Verify the power/volume knob is turned on.
- **Cannot Transmit/Receive:** Ensure the antenna is properly connected. Verify you are on the correct frequency/channel. Check power settings (high/low).

- **Poor Audio Quality:** Adjust volume. Check for obstructions to the microphone or speaker. Ensure digital noise canceling is configured correctly if in digital mode.
- **Programming Issues:** Ensure the correct programming cable is used and drivers are installed. Verify the software version is compatible with your radio model.

For more detailed troubleshooting, refer to the comprehensive user manual included in your package or contact customer support.

9. SPECIFICATIONS

Feature	Specification
Item Weight	1.54 pounds
Product Dimensions	1.37 x 2.6 x 10.43 inches
Item Model Number	DM-1702
Batteries	1 Lithium Ion batteries required. (included)
Number of Channels	1024
Special Feature	Digital and analog compatible, Tier I & Tier II compliant DMR radio
Frequency Range	144-148MHz, 420-450MHz
Talking Range Maximum	6.2 Mile
Voltage	7.4 Volts (DC)
Water Resistance Level	Not Water Resistant



Figure 9.1: Dimensions of the BAOFENG DM-1702 Radio.

10. WARRANTY AND SUPPORT

The BAOFENG DM-1702 radio comes with a **1-year warranty** provided exclusively through "Shiqun Electronics Co., Ltd." For any warranty claims, technical support, or inquiries, please contact the manufacturer directly or the authorized seller.

Manufacturer: Shiqun Electronics Co., Ltd.