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BAOFENG 17M

BAOFENG 17M Ham Radio User Manual

Model: 17M

Introduction

This manual provides detailed instructions for the proper use, setup, and maintenance of your BAOFENG 17M Ham Radio. Please read this manual thoroughly before operating the device to ensure safe and efficient communication. The BAOFENG 17M is a dual-band two-way radio designed for reliable long-range communication, featuring a color TFT screen, full keypad, and various advanced functions.

Package Contents

Upon opening the package, verify that all items listed below are present and in good condition:

- 1 × BAOFENG 17M Radio with Antenna
- 1 × 1800mAh Li-ion Battery
- 1 × Earpiece
- 1 × Desktop Charger
- 1 × Belt Clip
- 1 × Hand Strap
- 1 × User's Manual (this document)



Image: The BAOFENG 17M radio along with its complete set of accessories, including the antenna, battery, earpiece, desktop charger, belt clip, and hand strap.

Product Features

The BAOFENG 17M Ham Radio is equipped with a range of features designed for enhanced communication and user convenience:

- **One-Key Frequency Copy:** Simplifies frequency matching between devices.
- **Multi-Band Operation:** Supports TX (144-148MHz, 420-450MHz) and RX (76-108MHz, 136-174MHz, 400-520MHz).
- **NOAA Weather Channels:** Access to 10 NOAA weather channels for US and Canada.
- **1.77" Color TFT Screen:** Clear display with a user-friendly menu interface.
- **999 Channels:** Extensive channel capacity.
- **Adjustable Power:** 5-watt adjustable power output.

- **Dual Watch & Dual Band:** Monitor two frequencies simultaneously.
- **VOX Function:** Hands-free operation.
- **DTMF Encode/Decode:** For advanced signaling.
- **Built-in LED Flashlight:** For illumination in low-light conditions.
- **Multiple Charging Methods:** Desktop charger and USB-C port on battery.



Image: The BAOFENG 17M radio highlighting its 1.77-inch TFT screen and various features such as multi-bands, 999 channels, FM, NOAA, VOX, Type-C charger, repeater function, CTCSS/DCS, and DTMF.



Image: The BAOFENG 17M radio illustrating its multi-band capabilities, including FM (76-108 MHz), VHF (136-174 MHz, 220-260 MHz), and UHF (400-520 MHz).

Setup

1. Battery Installation and Charging

1. Align the 1800mAh Li-ion battery with the battery compartment on the back of the radio.
2. Slide the battery into place until it clicks securely.
3. To charge, place the radio with the battery installed into the desktop charger. Ensure the charging contacts align. The indicator light on the charger will show charging status.
4. Alternatively, the battery features a built-in USB-C port for direct charging using a USB-C cable (not included) from a compatible power source.



Image: Illustration of the two charging methods for the BAOFENG 17M radio: using the desktop charging station and direct charging via the USB-C port on the battery.

2. Antenna Attachment

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

3. Earpiece and Belt Clip Attachment

- Insert the earpiece plug into the accessory jack on the side of the radio.
- Attach the belt clip to the designated slot on the back of the radio for convenient carrying.

Operating Instructions

1. Power On/Off and Volume Adjustment

- To power on, rotate the Power/Volume knob clockwise. The screen will illuminate.
- Continue rotating the knob clockwise to increase volume, and counter-clockwise to decrease.
- To power off, rotate the knob counter-clockwise until it clicks.

2. Frequency and Channel Selection

- Use the numeric keypad to directly input desired frequencies.
- Press the **MENU** key to access the main menu for channel management and other settings.
- Use the **UP/DOWN** arrow keys to navigate through menu options or channels.

3. Transmitting and Receiving

- To transmit, press and hold the **PTT (Push-To-Talk)** button on the side of the radio. Speak clearly into the microphone.
- Release the PTT button to receive.
- The TX/RX Status LED will indicate transmission (red) or reception (green).

4. One-Key Frequency Copy

- This feature allows quick frequency matching. Refer to the on-screen prompts or specific menu option for "One Key Frequency Copy".
- Initiate scanning on your radio, and it will automatically detect and match the frequency of another nearby radio.



Image: A visual representation of the "One Key Frequency Match" function, showing two radios and the steps involved: starting scanning and successful matching.

5. NOAA Weather Receiver

- Access the NOAA weather channels through the radio's menu. The radio supports scanning 10 NOAA weather channels for timely alerts.

Maintenance

1. Cleaning

- Wipe the radio's surface with a soft, damp cloth. Do not use harsh chemicals or abrasive cleaners.
- Ensure the accessory port cover is securely closed when not in use to prevent dust and moisture ingress.

2. Battery Care

- Charge the battery fully before first 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.

3. Storage

- Store the radio in a dry environment, away from direct sunlight and extreme temperatures.
- Remove the battery if storing the radio for more than a month.

Troubleshooting

Problem	Possible Cause	Solution
Radio does not power on.	Battery is low or not installed correctly.	Charge the battery or re-install it securely.
Cannot transmit or receive.	Incorrect frequency/channel, antenna not attached, or out of range.	Verify frequency/channel settings. Ensure antenna is securely attached. Move closer to the other radio.
Poor audio quality / Static.	Weak signal, interference, or squelch level too high.	Adjust squelch level. Move to an area with better signal. Check for sources of interference.
Battery drains quickly.	Frequent transmission, high power setting, or aging battery.	Reduce transmission time. Use lower power setting when possible. Consider replacing the battery if it's old.

Specifications

Feature	Detail
Model Number	17M
Product Dimensions	2.36 x 1.57 x 13.39 inches
Item Weight	1.25 pounds
Battery	1800mAh Lithium Ion (included)
Frequency Range (TX)	144-148MHz, 420-450MHz
Frequency Range (RX)	76-108MHz (FM Radio), 136-174MHz, 400-520MHz
Channels	999
Power Output	5 Watt (adjustable)
Display	1.77" Color TFT Screen
FCC ID	2AJGM-UV17
Water Resistance Level	Not Water Resistant

Warranty and Support

For warranty information and technical support, please refer to the contact details provided on the product packaging or the official BAOFENG website. Keep your purchase receipt as proof of purchase for warranty claims.

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