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TIDRADIO TD-M11

TIDRADIO TD-M11 FRS Two-Way Radio Instruction Manual

Model: TD-M11 | Brand: TIDRADIO

1. INTRODUCTION

This manual provides comprehensive instructions for the safe and efficient operation of your TIDRADIO TD-M11 FRS Two-Way Radio. Please read this manual thoroughly before using the device to ensure proper functionality and to prevent damage. The TD-M11 is a robust, waterproof FRS radio designed for reliable communication in various environments.

2. PACKAGE CONTENTS

Verify that all items are present in your package:

- 2 x TIDRADIO TD-M11 Walkie Talkies
- 2 x 1000mAh Li-ion Batteries
- 2 x USB Charging Cables & Adapters
- 2 x Belt Clips
- 1 x User Manual

3. PRODUCT OVERVIEW

The TIDRADIO TD-M11 is a compact and durable FRS two-way radio. It features an integrated LED display, a rotary knob for power and volume, and side buttons for channel selection and Push-to-Talk (PTT).



Figure 3.1: Front view of the TIDRADIO TD-M11 Walkie Talkie.



Figure 3.2: Dimensions and weight of the TD-M11 radio. The radio weighs approximately 0.2 lbs, with a thickness of 0.7 inches and a height of 5.3 inches.

4. SETUP

4.1 Battery Installation

1. Ensure the radio is powered off.
2. Locate the battery compartment cover on the back of the radio.
3. Slide the cover downwards or unlatch it to remove.
4. Insert the 1000mAh Li-ion battery, ensuring the contacts align correctly.
5. Replace the battery compartment cover and secure it.

4.2 Charging the Battery

The TD-M11 features a Type-C charging port for convenience. Use the provided USB charging cable and adapter.

1. Connect the Type-C end of the charging cable to the radio's charging port.
2. Connect the USB-A end to the provided power adapter or a compatible USB power source (e.g., power

bank, PC, vehicle charger).

3. The LED indicator on the radio will show charging status.
4. Charging efficiently and quickly extends the battery life.



Figure 4.1: The TD-M11 supports Type-C charging via adapter, power bank, PC, or vehicle charger.

5. OPERATING INSTRUCTIONS

5.1 Power On/Off and Volume Adjustment

To power on the radio, rotate the top knob clockwise. Continue rotating to increase the volume. Rotate counter-clockwise to decrease volume and power off.

5.2 Channel Selection

Use the CH+ and CH- buttons located on the side of the radio to cycle through the available 22 FRS channels.

5.3 Transmitting and Receiving

To transmit, press and hold the Push-to-Talk (PTT) button on the side of the radio and speak clearly into the microphone. Release the PTT button to receive.

5.4 VOX Function (Voice Operated Exchange)

The built-in VOX function allows for hands-free operation. When activated, the radio will transmit automatically when it detects your voice. This feature can be configured via the Odmaster APP.



Figure 5.1: Illustration of the VOX function, enabling voice-activated transmission.

5.5 Bluetooth Programming with Odmaster APP

The TD-M11 can be programmed wirelessly using the Odmaster APP on your mobile phone. This allows for

reading and writing frequencies, and searching for nearby repeaters.

1. Turn on the radio.
2. Long press the CH+ button to activate Bluetooth. The LED indicator will show a red light.
3. Download the Odmaster APP from Google Play Store or Apple App Store.
4. Open the APP and connect to the radio via Bluetooth.
5. Select the TD-M11 model within the APP.
6. Read the current radio settings.
7. Modify parameters as needed (e.g., RX/TX frequencies, power levels, VOX settings).
8. Write the new settings to the radio.

Your browser does not support the video tag.

Video 5.1: This video demonstrates the process of connecting your mobile phone to the TIDRADIO TD-M11 and programming it using the Odmaster application. It shows how to activate Bluetooth on the radio, pair it with the app, select the radio model, read current settings, and write new configurations.



Figure 5.2: Step-by-step guide for connecting the TD-M11 to the Odmaster APP via Bluetooth for programming. Note: Bluetooth is for programming only and cannot be connected to other accessories.

5.6 NOAA Weather Forecast

The LED display can clearly show NOAA weather forecasts, providing essential weather information.

5.7 Busy Channel Lockout (BCLO)

BCLO automatically or manually prevents transmission on busy communication channels to avoid interference and maintain clear communication.

6. FEATURES

- **2W Output Power & 22 FRS Channels:** Provides reliable long-range communication.
- **IP67 Waterproof Performance:** Designed to withstand various weather conditions, suitable for outdoor activities like hiking and hunting.
- **Bluetooth Connection for Programming:** Connects to the Odmaster APP for mobile programming of frequencies and settings.
- **Built-in VOX:** Enables hands-free communication.
- **LED Display:** Hidden LED lighting clearly displays working status and NOAA weather forecasts, offering better dustproof effect.

- **Type-C Charger:** Convenient USB charging for the 1000 mAh Li-ion battery.
- **Lightweight and Portable:** Compact design for easy carrying and one-handed control.
- **Busy Channel Lockout (BCLO):** Prevents transmission on occupied channels.
- **Shockproof and Dustproof:** Enhanced durability for challenging environments.



Figure 6.1: The TD-M11 is designed to be shockproof and drop-proof for increased durability.



**IP67
WATERPROOF**

Note: TD-M11 cannot be used in water. If it falls into water, before using it again, shake or wipe the water off the walkie-talkie first.

Figure 6.2: The TD-M11 features IP67 waterproofing. Note: The TD-M11 cannot be used underwater. If it falls into water, shake or wipe the water off the walkie-talkie first before using it again.

LED Display



Figure 6.3: The TD-M11's LED display shows channel, volume, and battery status, designed for clarity in various conditions.

7. SPECIFICATIONS

Feature	Specification
Model Number	TD-M11
Item Weight	3.2 ounces
Product Dimensions	0.7 x 2.1 x 5.3 inches
Batteries	2 Lithium Polymer batteries required (included)
Number of Channels	22
Special Feature	IP67 Waterproof
Frequency Range	UHF 400-480MHz
Talking Range Maximum	5 Kilometer

Feature	Specification
Voltage	3.7 Volts
Water Resistance Level	Waterproof

8. MAINTENANCE

8.1 Cleaning

Wipe the radio with a soft, damp cloth. Do not use harsh chemicals or abrasive cleaners. Ensure the Type-C port cover is securely closed to maintain water resistance.

8.2 Battery Care

To prolong battery life, avoid fully discharging the battery frequently. Store the radio and batteries in a cool, dry place when not in use for extended periods. If the radio will not be used for a long time, charge the battery to about 50% before storage.

8.3 Water Resistance

While the TD-M11 is IP67 waterproof, it is not designed for submersion. If the radio gets wet, wipe it dry immediately. Ensure all port covers are sealed to maintain water resistance.

9. TROUBLESHOOTING

9.1 Radio Does Not Power On

- Check if the battery is properly installed and charged.
- Ensure the power/volume knob is rotated sufficiently clockwise.

9.2 Cannot Transmit or Receive

- Verify that the radio is on the same channel as the other party.
- Check if the battery level is sufficient.
- Ensure you are within range. Obstacles like buildings and terrain can reduce range.
- If Busy Channel Lockout (BCLO) is active, you may not be able to transmit on an occupied channel.

9.3 Poor Audio Quality

- Adjust the volume level.
- Ensure the microphone and speaker are not obstructed.
- Move closer to the other radio or to an area with fewer obstructions.

9.4 Bluetooth Programming Issues

- Ensure Bluetooth is activated on the radio (long press CH+).
- Make sure the Odmaster APP is updated to the latest version.
- Restart both the radio and your mobile device.

10. WARRANTY AND SUPPORT

10.1 Warranty Information

The TIDRADIO TD-M11 comes with a 60-day hassle-free replacement warranty. Please retain your proof of purchase for warranty claims.

10.2 Customer Support

For further assistance, technical support, or warranty inquiries, please contact TIDRADIO customer service through the retailer's platform or the official TIDRADIO website.