

TIDRADIO TD-H8

TIDRADIO TD-H8 10W Dual Band Ham Radio User Manual

Model: TD-H8 | Brand: TIDRADIO

1. INTRODUCTION

This manual provides detailed instructions for the setup, operation, and maintenance of your TIDRADIO TD-H8 10W Dual Band Ham Radio. The TD-H8 is a handheld two-way radio featuring 10 watts of output power, a 3000mAh rechargeable battery, and a large color screen. It includes a built-in wireless programming module for convenient configuration via a smartphone application.

TD-H8

10 WATT

HANDHELD Ham Radio



KEY FEATURES



10W Output



3000mAh



Wireless
Programming



Large Color
Screen



Scan



CTCSS/DCS



Dual Watch



Display SYNC

MORE.....

Image: The TIDRADIO TD-H8 ham radio displaying its screen and keypad, highlighting key features like 10W output and wireless programming.

2. PACKAGE CONTENTS

Verify that all items are present in the package:

- TIDRADIO TD-H8 Radio Unit
- 3000mAh Li-ion Battery
- Antenna
- Charging Base
- Belt Clip
- User Manual



TD-H8



FCC



Antenna



Box



Charger



Battery



Back Clip



Manual

Image: All components included in the TD-H8 package, laid out for inspection.

3. KEY FEATURES

- **10 Watt Output Power:** Provides extended communication range.
- **3000mAh Rechargeable Battery:** Offers up to 12 hours of continuous use and 60 hours of standby time.
- **Wireless Programming Module:** Allows radio customization via a smartphone app (Odmaster) without a PC or programming cable.
- **Large Color LCD Screen:** Enhanced display for channel information, frequency, and power output.
- **Dual Band Operation:** Supports communication on both VHF (144-148MHz) and UHF (420-450MHz) frequencies.
- **Dual Watch Function:** Monitors two frequencies simultaneously.
- **NOAA Weather Mode:** Accesses National Oceanic and Atmospheric Administration weather alerts.
- **CTCSS/DCS Codes:** For selective calling and interference reduction.
- **Scanning Function:** Scans through channels or frequencies.
- **VOX (Voice Operated Exchange):** Hands-free transmission.
- **Remote/Site Alarm:** For emergency signaling.

4. SETUP GUIDE

4.1 Battery Installation

1. Align the 3000mAh Li-ion battery with the battery compartment on the back of the radio.
2. Slide the battery upwards until it clicks into place securely.

4.2 Antenna Attachment

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

4.3 Charging the Battery

1. Place the radio with the installed battery into the charging base.
2. Connect the charging base to a power outlet using the provided adapter.
3. The charging indicator light will illuminate, typically red during charging and green when fully charged. Charging takes approximately 6 hours.

3000mAh

Rechargeable Battery

LI-ION BATTERY PACK
DC7.4V=3000mAh
CAUTION:
TO PREVENT INJURY OR BURNS,
DO NOT DISASSEMBLE.
DO NOT SHORT CIRCUIT THE TERMINALS.
CHARGING TEMPERATURE RANGE (0-40°C).
USE SPECIFIED CHARGER WHEN CHARGING.
MUST BE RECYCLED OR DISPOSED OF PROPERLY.

Standby
60
Hours

Working
12
Hours

Charge
6
Hours

Image: The 3000mAh battery pack shown with its charging base, indicating standby, working, and charge times.

4.4 Initial Power On

1. Rotate the Power/Volume knob (7) clockwise to turn on the radio.
2. Adjust the knob to set the desired volume level.

5. OPERATING INSTRUCTIONS

5.1 Radio Parts and Functions



Image: A detailed diagram of the TD-H8 radio, labeling its various buttons and ports.

- 1. A/B Button:** Switches between the upper (A) and lower (B) display channels.
- 2. BL (Bluetooth) Button:** Activates the wireless programming module.
- 3. VFO/MR Button:** Toggles between Frequency Mode (VFO) and Channel Mode (MR).
- 4. MONI/Flashlight Button:** Press and hold to monitor the current channel. Short press to activate/deactivate the flashlight.
- 5. PTT (Push-to-Talk) Button:** Press and hold to transmit, release to receive.
- 6. ALARM Button:** Press and hold to activate the alarm function.

7. Power/Volume Knob: Turns the radio on/off and adjusts the volume.

8. K Port: Accessory port for external speaker/microphone or programming cable (if used).

5.2 Basic Operation

- **Channel Selection:** In Channel Mode (MR), use the Up/Down arrow keys to navigate through programmed channels.
- **Frequency Input:** In Frequency Mode (VFO), use the numeric keypad to directly enter frequencies.
- **Menu Access:** Press the **MENU** button to access the radio's settings. Use the Up/Down arrows to navigate and **MENU** again to confirm.
- **Exit:** Press the **EXIT** button to exit menus or cancel operations.

6. WIRELESS PROGRAMMING

The TD-H8 features a built-in wireless programming module, allowing you to configure your radio using the Odmaster smartphone application. This eliminates the need for a PC or programming cable.

6.1 Odmaster App Installation

- Download the "Odmaster" app from your smartphone's app store (Google Play Store for Android or Apple App Store for iOS).

6.2 Connecting and Programming

1. Ensure your TD-H8 radio is powered on.
2. Press the **BL** button on the radio to activate its Bluetooth module.
3. Open the Odmaster app on your smartphone.
4. Follow the in-app instructions to connect to your TD-H8 radio via Bluetooth.
5. Once connected, you can perform various programming tasks:
 - **Channel Editing:** Modify existing channels or add new ones.
 - **Nearby Repeater Search & Import:** Find and add local repeater information.
 - **Radio Configurations Save/Share:** Backup your radio settings or share them with other TD-H8 users.

Program Radio Wirelessly



Program On Phone



Import Nearby Repeater



Apply/Share Config



Offline Programming

***Google/Apple Store safety approved**



Image: A smartphone displaying the Odmaster app interface for wireless radio programming, showing options like 'Program On Phone' and 'Import Nearby Repeater'.

Your browser does not support the video tag.

Video: Demonstration of the TIDRADIO H8's built-in wireless programming module, showcasing how to program the radio using a smartphone app.

7. DISPLAY INFORMATION

The TD-H8 features a large color LCD screen designed for clear readability. The display provides essential information at a glance:

Large LCD Screen

Better color, better detail



Image: A close-up view of the TD-H8's large LCD screen, illustrating the display of channel number, frequency, channel name, and dual watch status.

- **Channel Number:** Indicates the currently selected channel.
- **Frequency:** Displays the operating frequency.
- **Channel Name:** Shows the alphanumeric name assigned to the channel.
- **Power Indicator:** Shows the current transmit power level.
- **Battery Level:** Displays the remaining battery charge.
- **Dual Watch Status:** Indicates if dual watch is active.

8. SPECIFICATIONS

Feature	Specification
Model Number	TD-H8
Output Power	10 Watts

Feature	Specification
Battery Capacity	3000mAh Li-ion
Frequency Range	144-148MHz / 420-450MHz
Number of Channels	199
Display Type	LCD Color Screen
Special Feature	Wireless Programming
Item Weight	9.6 ounces (0.6 Pounds)
Product Dimensions	2 x 1.5 x 4 inches
Voltage	220 Volts (Charging Base Input)
Water Resistance Level	Waterproof

9. TROUBLESHOOTING

If you encounter issues with your TD-H8 radio, refer to the following common troubleshooting steps:

- **Radio does not power on:** Ensure the battery is correctly installed and fully charged. Rotate the Power/Volume knob clockwise.
- **Cannot transmit or receive:** Check that the antenna is securely attached. Verify that you are on the correct frequency or channel and that the transmit power is set appropriately. Ensure CTCSS/DCS settings match the other party.
- **Poor audio quality:** Check the volume level. Ensure the antenna is properly connected. Move to an area with better signal reception.
- **Wireless programming issues:** Ensure the radio's Bluetooth is activated (BL button). Confirm Bluetooth is enabled on your smartphone and the Odmaster app has necessary permissions. Try restarting both the radio and the app.
- **Short battery life:** Ensure the battery is fully charged. Reduce transmit power if high power is not required. Enable the power save function in the radio settings.

10. MAINTENANCE

- **Cleaning:** Use a soft, damp cloth to clean the radio's exterior. Do not use harsh chemicals or solvents.
- **Battery Care:** Avoid overcharging or completely draining the battery. Store the battery in a cool, dry place when not in use for extended periods.
- **Storage:** Store the radio in a dry environment, away from extreme temperatures and direct sunlight.
- **Antenna:** Always ensure the antenna is properly attached during operation to prevent damage to the radio's transmitter.

11. WARRANTY AND SUPPORT

The TIDRADIO TD-H8 comes with a **1-year warranty** from the date of purchase. Additionally, TIDRADIO provides a **60-day hassle-free replacement service** for any manufacturing defects.

For technical assistance, troubleshooting, or warranty claims, please contact TIDRADIO customer support. Refer to the contact information provided in your product packaging or on the official TIDRADIO website.

