



Manuals.plus /

› TIDRADIO /

› TIDRADIO TD-H8 Ham Radio User Manual

TIDRADIO TD-H8 HAM

TIDRADIO TD-H8 Ham Radio User Manual

Model: TD-H8 HAM | Brand: TIDRADIO

1. INTRODUCTION

The TIDRADIO TD-H8 is a powerful 10-watt handheld ham radio designed for reliable communication. Featuring a large color screen and innovative wireless programming capabilities via a mobile application, it offers enhanced user convenience and performance for various outdoor and security applications. This manual will guide you through the features and functions of your TD-H8 radio.

2. PACKAGE CONTENTS

Upon opening your TD-H8 package, please verify that all the following items are included:

- 1 x TD-H8 2nd Gen Ham Radio
- 1 x 2500mAh Li-ion Battery
- 1 x Charge Base
- 1 x Belt Clip
- 1 x User Manual (this document)
- 1 x Long Stock Antenna

Program Radio Wirelessly



Program On
Phone



Import Nearby
Repeater



Apply/Share
Config



Offline
Programming



Google/Apple Store safety approved

Figure 2.1: Visual representation of the TD-H8 package contents, including the radio, battery, charger, belt clip, and antenna.

3. PRODUCT OVERVIEW

Familiarize yourself with the various parts and controls of your TD-H8 radio for optimal use.



Figure 3.1: Diagram illustrating the key components and controls of the TD-H8 radio, including the A/B channel switch, wireless programming button, VFO/MR mode switch, monitor/flashlight button, PTT button, alarm button, power/volume knob, and K port.

1. **A/B Switch:** Toggles between the A and B channels.
2. **BL (Bluetooth):** Activates wireless programming mode.
3. **VFO/MR:** Switches between Frequency Mode (VFO) and Channel Mode (MR).
4. **MONI/Flashlight:** Hold to monitor the current channel; press to activate the flashlight.
5. **PTT (Push-to-Talk):** Press and hold to transmit.
6. **ALARM:** Hold to activate the alarm function.
7. **Power/Volume Knob:** Rotates to turn the radio on/off and adjust volume.
8. **K Port:** Connection port for accessories.

4. SETUP

4.1 Battery Installation and Charging

1. Align the 2500mAh Li-ion battery with the battery compartment on the back of the radio.

2. Slide the battery upwards until it clicks securely into place.
3. To charge, place the radio into the provided charge base. Ensure the metal contacts on the radio align with those on the base.
4. Connect the charge base to a power source using the USB-C cable and adapter. The indicator light on the base will show charging status.

Video 4.1: Demonstration of the TIDRADIO TD-H8 being placed into its charging base, showing the charging indicator light.

4.2 Antenna Attachment

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

4.3 Initial Power-On

1. Rotate the Power/Volume knob clockwise to turn on the radio.
2. Adjust the knob to your desired volume level.

5. OPERATING INSTRUCTIONS

5.1 Basic Operation

- **Channel/Frequency Selection:** Use the up/down arrow keys on the keypad to navigate through channels or frequencies.
- **Transmit:** Press and hold the PTT button to transmit. Release to receive.
- **Menu Navigation:** Press the **MENU** button to access the radio's settings. Use the up/down arrows to scroll and **MENU** again to confirm. Press **EXIT** to return to the main screen.

WHY CHOOSE

2nd TD-H8 Ham Radio



TID RADIO

VS

COMPETITORS



10 WATT OUTPUT



WIRELESS PROGRAMMING



2500MAH RECHARGEABLE BATTERY



LARGE COLOR SCREEN



SOLID PERFORMANCE



Figure 5.1: The TD-H8 features a 1.77-inch large color LCD screen for clear display of frequency, channel number, channel name, and dual watch status.

5.2 Wireless Programming (Odmaster App)

The TD-H8 supports wireless programming via the Odmaster app on your smartphone, eliminating the need for a programming cable.

1. Download the Odmaster app from your device's app store (Google Play or Apple App Store).
2. Ensure Bluetooth is enabled on your smartphone.
3. On the TD-H8 radio, press the **BL** button to activate Bluetooth pairing mode.
4. Open the Odmaster app and follow the on-screen instructions to connect to your TD-H8 radio.
5. Once connected, you can manage channels, frequencies, repeater lists, and other radio configurations directly from your phone.

PACKING DETAILS



TD-H8



USB-C cable



Charger



Battery



Manual



3M Hand Strip



Back Clip

Figure 5.2: The TD-H8 radio connected to a smartphone via Bluetooth for wireless programming, showing the ease of managing settings without a PC.

5.3 Advanced Features

- **Dual Band / Dual Watch:** The radio operates on dual bands (VHF/UHF) and can monitor two frequencies simultaneously.
- **NOAA Weather Mode:** Access NOAA weather alerts for real-time weather information.
- **CTCSS/DCS:** Utilize Continuous Tone-Coded Squelch System (CTCSS) and Digital Coded Squelch (DCS) for selective calling and noise reduction.
- **Scanning:** Scan through programmed channels or frequency ranges to find active transmissions.
- **VOX (Voice Operated Transmit):** Allows hands-free transmission when voice is detected.
- **Remote/Site Alarm:** Activate an alarm function for emergency situations.

6. MAINTENANCE

6.1 Cleaning

To maintain the performance and appearance of your radio:

- Wipe the radio's surface with a soft, damp cloth.
- Do not use harsh chemicals or abrasive cleaners.
- Ensure the radio is dry before charging or prolonged storage.

6.2 Battery Care

Proper battery care extends its lifespan:

- Avoid fully discharging the battery frequently.
- Charge the battery in a cool, dry environment.
- If storing the radio for an extended period, charge the battery to about 50% capacity.

7. TROUBLESHOOTING

If you encounter issues with your TD-H8 radio, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Radio does not power on	Low or dead battery; improperly installed battery	Charge the battery; ensure battery is correctly installed.
Cannot transmit or receive	Incorrect frequency/channel; antenna not connected; low power setting	Verify frequency/channel; ensure antenna is secure; check power output setting.
Wireless programming fails to connect	Bluetooth off; app not updated; radio not in pairing mode	Ensure Bluetooth is on; update Odmaster app; activate BL mode on radio.
Poor audio quality	Low signal strength; incorrect squelch setting; damaged speaker/mic	Move closer to other radios/repeater; adjust squelch level; contact support if hardware issue.

8. SPECIFICATIONS

Feature	Specification
Model Number	TD-H8 HAM
Output Power	10 Watts
Battery Capacity	2500mAh Li-ion
Screen Size	1.77 inches (Color LCD)
Frequency Range	144-148MHz / 420-450MHz (UHF, VHF)
Number of Channels	199
Talking Range (Maximum)	10 Kilometers (terrain dependent)
Voltage	7.4 Volts
Water Resistance Level	Waterproof
Item Weight	1.26 pounds
Dimensions (Package)	10.12 x 7.01 x 2.2 inches
Country of Origin	China

9. WARRANTY AND SUPPORT

TIDRADIO is committed to providing high-quality products and excellent customer service.

- **Warranty:** We offer a 60-day hassle-free replacement service for your TD-H8 radio.
- **Technical Support:** Professional technicians are available to help solve any problems you encounter during use. Please contact us immediately if you experience any issues.
- **Software Updates:** You will receive free APP updates and feature upgrades for the Odmaster application, ensuring your radio's capabilities are continuously improved.