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TIDRADIO TD-H8 GMRS Radio

TIDRADIO TD-H8 GMRS Radio User Manual

INTRODUCTION

This manual provides detailed instructions for the operation and maintenance of your TIDRADIO TD-H8 GMRS Radio. The TD-H8 is a 2nd generation GMRS handheld transceiver featuring 199 channels, wireless programming capabilities, a 5-watt power output, and NOAA weather reception. A GMRS license is required for operation.

PACKAGE CONTENTS

Verify that all items listed below are included in your package:

- 2 x TIDRADIO TD-H8 GMRS Radio
- 2 x 2500mAh Battery
- 2 x Standard Antenna
- 2 x GMRS Antenna
- 2 x Short Antenna
- 2 x Charger and USB-C Charging Cable
- 2 x Earpiece
- 1 x CH430 USB Programming Cable
- 2 x Wrist Strap
- 2 x Belt Clip
- 2 x User Manual



Image: All components included in the TIDRADIO TD-H8 GMRS Radio package.

PRODUCT OVERVIEW

The TD-H8 GMRS radio features a 1.77-inch color LCD display for clear readability and intuitive navigation. Key controls include a VFO/MR button, A/B channel switch, MENU, EXIT, and a numeric keypad for direct input and function access.



Image: Close-up of the TD-H8 display, highlighting frequency, channel name, and channel number.

Key Features:

- **GMRS Channels:** 30 channels, including 22 GMRS two-way channels (CH 1-22) and 8 GMRS Repeater Channels (CH 23-30).
- **Private Codes:** 155 private codes (50 CTCSS/105 DCS) for enhanced privacy.
- **NOAA Weather Channels:** 11 NOAA Weather Radio & Scan Channels (CH 189-199) for receiving weather alerts.
- **FM Radio:** Built-in FM radio function.
- **Flashlight:** Integrated flashlight for convenience in low-light conditions.
- **Power Output:** 5 Watts maximum power.
- **Dual-band Receiver:** UHF/VHF dual-band receiver and scanner.
- **Hands-Free Operation:** VOX function for hands-free communication.
- **Scan Function:** Channel scanning capability.
- **Squelch Function:** Adjustable squelch to filter out weak signals.

MORE FUNCTIONS, BETTER EXPERIENCE FOR YOU



**GMRS-30
Channels**



**11 NOAA
Channels**



Flashlight



**5W
Max Power**



**UHF/VHF Dual-band
receiver&scanner**



Hands Free



**155 Private
Codes**



FM Radio



DTMF



SCAN



SOS function



Squelch function

Image: Visual representation of the TD-H8's key features.

SETUP

1. Battery Installation

Align the 2500mAh Lithium Polymer battery with the battery compartment on the back of the radio. Slide the battery into place until it clicks securely. Ensure the battery latch is engaged.

2. Charging the Battery

The TD-H8 radio features a USB-C charging port for convenient recharging. You can charge the battery using the included USB-C cable and charger, a power bank, a car charger, or a laptop.

1.77-inch Color LCD Screen



Image: Illustration of multiple USB-C charging options for the TD-H8 radio.

3. Antenna Attachment

Screw the desired antenna (standard, GMRS, or short) clockwise onto the antenna connector at the top of the radio until it is finger-tight. Do not overtighten.



Image: The TD-H8 radio with a long antenna, demonstrating its flexible design and potential for extended range.

OPERATING INSTRUCTIONS

Power On/Off and Volume

Rotate the power/volume knob clockwise to turn on the radio and adjust the volume. Rotate counter-clockwise until a click is heard to turn off the radio.

Channel Selection

The TD-H8 has 199 channels. Use the up/down arrow keys or the numeric keypad to select channels. Channels 1-22 are GMRS two-way channels, 23-30 are GMRS Repeater Channels, 31-54 are programmable scanner channels (RX & TX), 55-188 are RX-only channels, and 189-199 are NOAA Weather Radio & Scan Channels (RX-only).

NOAA Weather Radio

Access channels 189-199 to receive NOAA weather broadcasts and alerts. This feature provides critical weather information for safety.



Image: The TD-H8 radio highlighting its NOAA Weather Radio capability, useful in diverse environmental conditions.

VOX Function

The Voice Operated Exchange (VOX) function allows for hands-free transmission. When enabled, the radio will transmit automatically when it detects your voice. Adjust VOX sensitivity in the menu.

Flashlight

The built-in flashlight can be activated for illumination in dark environments.

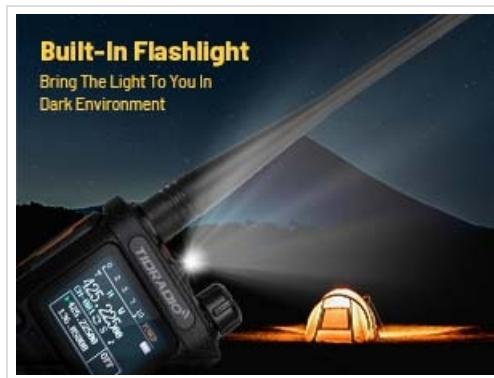


Image: The TD-H8 radio's built-in flashlight providing light in a dark outdoor setting.

PROGRAMMING

The TD-H8 GMRS radio offers multiple programming methods for flexibility and customization.

1. Wireless Programming (Odmaster App)

The Odmaster app allows for wireless programming of your radio via Bluetooth. This method provides easy customization, offline programming, and the ability to import local repeater lists with a single click.

- Download the 'Odmaster' app from the Google Play Store or Apple App Store.
- Connect your radio to your smartphone via Bluetooth.
- Use the app interface to customize channels, frequencies, and other settings.
- The app supports saving, caching, and sharing programming profiles.

Programming with Phone App



Easy Customization

Offline Programming

One-click to Import Local Repeater

Image: The TD-H8 radio being programmed wirelessly using the Odmaster mobile application.



Image: Wireless programming capability of the TD-H8, simplifying the setup process.



WIRELESS PROGRAMMING

Get Rid of Programming Software and Driver

Image: The Odmaster app's repeater list feature, allowing users to search and import nearby repeaters.



Image: Offline programming feature, enabling configuration saving in advance without cellular data.

2. CHIRP Software Programming

The TD-H8 is compatible with CHIRP software for computer-based programming. Use the included CH430 USB programming cable to connect the radio to your computer.

- Connect the CH430 USB programming cable to your radio and computer.
- Open CHIRP software and select "TIDRADIO → TD-H8-GMRS" from the radio menu.
- Follow the software instructions to read from and write to the radio.

Super Convenient

USB-C Charging



Image: The TD-H8 radio connected via the CH430 USB programming cable, indicating compatibility with Windows operating systems for CHIRP software.

3. Manufacturer Software

For firmware upgrades and specific manufacturer programming, visit walkietalkiesoftware.com.

GMRS Freq.

CH.No	CH.Freq.(MHz)	Name
1	462.5625	GMRS-1
2	462.5875	GMRS-2
3	462.6125	GMRS-3
4	462.6375	GMRS-4
5	462.6625	GMRS-5
6	462.6875	GMRS-6
7	462.7125	GMRS-7
8	467.5625	GMRS-8
9	467.5875	GMRS-9
10	467.6125	GMRS-10
11	467.6375	GMRS-11
12	467.6625	GMRS-12
13	467.6875	GMRS-13
14	467.7125	GMRS-14
15	462.5500	GMRS-15
16	462.5750	GMRS-16
17	462.6000	GMRS-17
18	462.6250	GMRS-18
19	462.6500	GMRS-19
20	462.6750	GMRS-20
21	462.7000	GMRS-21
22	462.7250	GMRS-22
23	467.5500	RPT-1
24	467.5750	RPT-2
25	467.6000	RPT-3
26	467.6250	RPT-4
27	467.6500	RPT-5
28	467.6750	RPT-6
29	467.7000	RPT-7
30	467.7250	RPT-8



Image: Overview of the multiple programming methods available for the TD-H8 radio.

MAINTENANCE

To ensure the longevity and optimal performance of your TIDRADIO TD-H8 GMRS Radio, follow these maintenance guidelines:

- Cleaning:** Use a soft, damp cloth to clean the radio's exterior. Avoid harsh chemicals or abrasive cleaners.
- Battery Care:** Fully charge the battery before initial use. Avoid overcharging or completely draining the battery for extended periods. Store the radio and battery in a cool, dry place.
- Antenna Care:** Ensure the antenna is securely attached. Avoid bending or stressing the antenna, as this can damage the connector or affect performance.
- Storage:** When not in use for long periods, remove the battery and store the radio in a protective case to prevent dust and damage.

TROUBLESHOOTING

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

- Radio not powering on:** Ensure the battery is fully charged and correctly installed. Check the power/volume knob position.
- No transmission/reception:** Verify the antenna is securely attached. Check the selected channel and ensure it is a GMRS two-way channel (1-22) or repeater channel (23-30) for transmission. Confirm that the volume is adjusted appropriately.
- Poor audio quality:** Adjust the squelch level. Ensure you are within range of the other radio or repeater.

Check for obstructions.

- **Programming issues:** For wireless programming, ensure Bluetooth is enabled on your device and the radio. For wired programming, verify the CH430 cable is properly connected and drivers are installed if necessary. Ensure the correct radio model is selected in CHIRP or Odmaster.

For further technical assistance, please contact TIDRADIO customer support.

SPECIFICATIONS

Feature	Specification
Model Number	TD-H8 GMRS Radio
Brand	TIDRADIO
Number of Channels	199
Frequency Range	GMRS 462.5500 ~ 467.7250 MHz (Rx & Tx) / UHF & VHF (Scanning & Receiver)
Talking Range Maximum	10 Kilometer (approx. 6.2 miles)
Battery Type	Lithium Polymer
Battery Capacity	2500mAh
Voltage	7.4 Volts
Item Weight	2.61 pounds (per radio with battery)
Water Resistance Level	Not Water Resistant
Special Features	Dual Band Receiver & Scan, Long Range GMRS Two-way Radio, One-click to Import Local Repeater, Support CHIRP, CPS and Odmaster (APP & Web Programmable)



Image: Rear view of the TD-H8 radio, displaying regulatory information including FCC ID: 2AWL3-TDH8GMRS and Serial Number: 2207UV00007.

For more detailed frequency information, refer to the GMRS frequency chart:

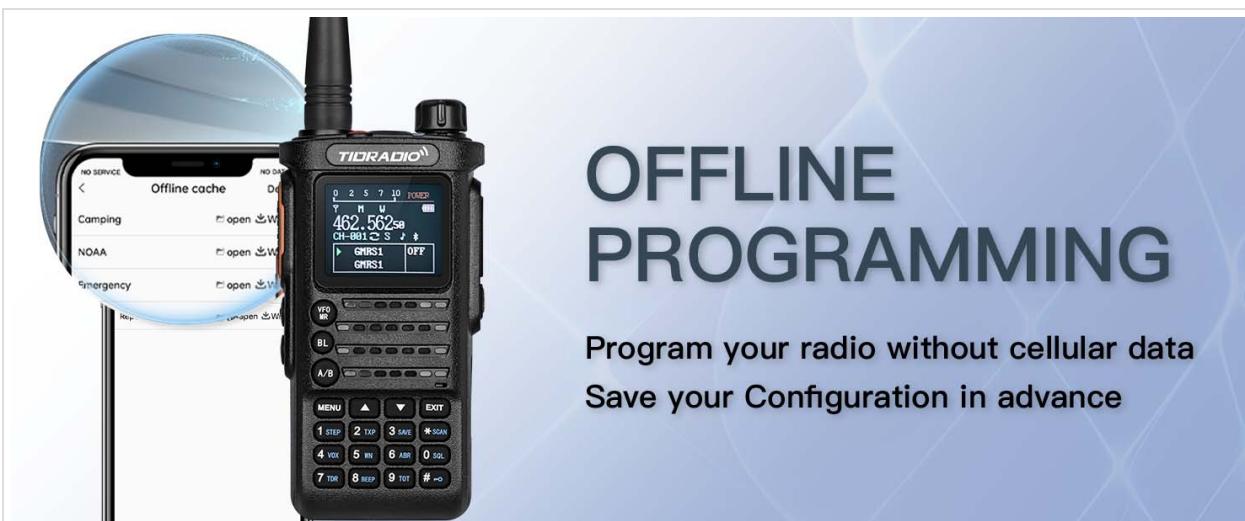


Image: GMRS Frequency Chart detailing channel numbers, frequencies, and names.

WARRANTY AND SUPPORT

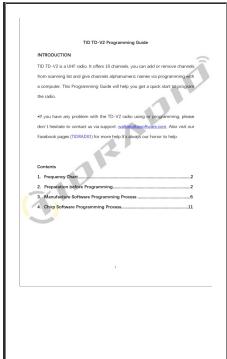
The TIDRADIO TD-H8 GMRS Radio comes with a 30-day warranty from the date of purchase.

For any technical issues or support inquiries, please contact our dedicated technical team. We are committed to providing professional support and resolving any problems you may encounter.

Contact information can typically be found on the TIDRADIO official website or through your purchase platform.

Related Documents - TD-H8 GMRS Radio

	<p>TIDRADIO GMRS Two Way Radio User Manual</p> <p>This user manual provides comprehensive instructions for the TIDRADIO GMRS Two Way Radio, covering setup, operation, features, safety information, and maintenance. Learn how to use your GMRS radio for effective communication.</p>
	<p>TIDRADIO TD-H8 User Manual: Features, Operation, and Safety Guide</p> <p>Comprehensive user manual for the TIDRADIO TD-H8 dual-band two-way radio. Learn about its features, basic and advanced operations, installation, maintenance, and safety guidelines for optimal performance.</p>
	<p>TIDRADIO TD-H5 GMRS Radio Programming Guide - Setup and Configuration</p> <p>Comprehensive programming guide for the TIDRADIO TD-H5 dual-band GMRS radio. Learn how to connect, configure software, set frequencies, channels, and general settings for optimal performance.</p>
	<p>TIDRADIO TD-777S Programming Guide</p> <p>A comprehensive guide for programming the TIDRADIO TD-777S UHF radio. Covers frequency charts, computer system requirements, programming cable setup (CH340 and FTDI), software installation, connecting the radio, port selection, and detailed steps for programming parameters, channel information, and optional features. Includes troubleshooting tips for connection errors.</p>
	<p>TIDRADIO TD-H6 Programming Guide</p> <p>A comprehensive guide to programming the TIDRADIO TD-H6 dual-band amateur radio using both manufacturer software and CHIRP software. Covers preparation, software installation, cable usage, troubleshooting, and detailed explanations of channel settings and optional features.</p>



[TID TD-V2 UHF Radio Programming Guide](#)

Comprehensive guide to programming the TID TD-V2 UHF radio using manufacturer software or CHIRP. Covers setup, cable requirements, software installation, and parameter adjustments for optimal radio performance.