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› [TIDRADIO TD-H3 GMRS Radio Handheld User Manual](#)

TIDRADIO TD-H3

TIDRADIO TD-H3 GMRS Radio Handheld User Manual

Model: TD-H3

1. INTRODUCTION

This manual provides detailed instructions for the operation and maintenance of your TIDRADIO TD-H3 GMRS Radio. Please read this manual thoroughly before using the device to ensure proper function and safety.



Image 1.1: TIDRADIO TD-H3 GMRS Radio and included accessories.

2. PACKAGE CONTENTS

Verify that all items are present in your package:

- 3 x TIDRADIO TD-H3 GMRS Radios
- 3 x 2500mAh Type-C Batteries
- 3 x GMRS Antennas
- 3 x USB Chargers with Cables (for charging and programming)
- 3 x G-shape Earpieces
- 3 x Belt Clips
- 1 x User Manual

3. SETUP

3.1 Battery Installation

1. Align the 2500mAh battery with the battery compartment on the back of the radio.
2. Slide the battery into place until it clicks securely.

3.2 Antenna Attachment

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

3.3 Charging the Battery

The TD-H3 features a 2500mAh USB-C rechargeable battery. A full charge takes approximately 3 hours and provides up to 48 hours of standby time or 36 hours of light use.

- Connect the provided USB-C cable to the USB-C charging port on the radio and to a compatible USB power adapter.
- The charging indicator on the radio will show the charging status.

Product Details

A

Band ▶

B

Band ▶

Customizable ▶



Dual PTT



Flashlight

2Pin Kendwood Port ▶

USB-C Programming ▶



USB-C Charging Port



Programming Port

3.4 Programming the Radio

The TD-H3 supports multiple programming methods:

- **Phone App Wireless Programming:** Use the Odmaster App for wireless programming via Bluetooth.
 - a. Open the Odmaster App.
 - b. Connect to the radio via Bluetooth. If connection issues occur, long-press the Bluetooth button to restart Bluetooth on the radio.
 - c. Program the radio through the app. This method allows saving data in advance for outdoor use without network access.
- **USB-C Programming:** The included Type-C cable can be used for programming.
 - a. Connect the radio to a computer using the USB-C cable.
 - b. Use compatible software like CHIRP or CPS (via the 2-Pin Kenwood Port) for programming.



Image 3.2: Multiple Programming Methods (Odmaster App, USB-C/CHIRP).

4. OPERATING INSTRUCTIONS

4.1 Power On/Off and Volume Control

- To power on, rotate the top knob clockwise.
- To power off, rotate the top knob counter-clockwise until it clicks.
- Adjust the volume by rotating the same knob.

4.2 Multi-band Reception and Transmission

The TD-H3 supports 8-band frequencies for both receiving and transmitting (where applicable and licensed):

- **GMRS Frequency:** 462.5500 ~ 467.7250 MHz (Rx & Tx)
- **FRS:** 467.5625, 467.5875, 467.6125, 467.6375, 467.6625, 467.6875, 467.7125 MHz
- **UHF:** 400-470MHz, 470-600MHz (RX)
- **VHF:** 136-174MHz, 174-350MHz, 350-400MHz (RX)
- **AM:** 108-136MHz (RX)

- **FM:** 50-76MHz, 76-108MHz (RX)

Multi-band Receiving & Transmitting

GMRS & FRS:
462.55000...467.72500 (TX/RX)

FM: 50-76 MHz(RX)
76-108 MHz(RX)

AM: 108-136 MHz(RX)

VHF: 136-174 MHz(RX)
174-350 MHz(RX)
350-400 MHz(RX)

UHF: 400-470 MHz(RX)
470-600 MHz(RX)

Supports quickly importing the complete nearby repeater list Info without having to edit it.

Image 4.1: Multi-band Receiving and Transmitting Frequencies.

4.3 NOAA Weather Receiver

The radio includes a NOAA Weather Receiver function for emergency weather alerts.



Image 4.2: NOAA Weather Radio Functionality.

4.4 One Key Frequency Match

This feature allows quick identification of a transmitting frequency and CTCSS/DCS code.

1. Enable the Dec.code function (Menu 47).
2. Long press button **[1]** to enter the Match interface.
3. When another radio transmits, the TD-H3 display will show its frequency and CTCSS/DCS.

4.5 Wireless Frequency Replication

Copy all data from another TD-H3 radio without needing a PC.

1. Long press the Customized button (located below the PTT button) and power on the radio simultaneously to enter the Replication interface.
2. Press the Customized button again to activate the replication process.

Quickly Customize H3 - No PC Needed



Wireless Radio Replication

Copy All date from another H3. Hold the side key and rotate the switch button at the same time to enable wireless copy mode.

One Key Frequency Match

Fast copy one channel. Hold down "1", it could identify the frequency when others radio transmitting.

Image 4.3: Wireless Radio Replication and One Key Frequency Match.

4.6 DTMF Function (Kill/Stun Code)

This feature allows for privacy protection by remotely disabling or limiting a radio's functionality.

- **Kill Code:** Set a 5-digit Kill Code using Odmaster software. Any radio on the same frequency can dial this code via DTMF to lock your H3. The radio will remain inactive until the same 5-digit code followed by "#" is sent.
- **Stun Code:** Similar to the Kill Code, a Stun Code limits your H3 radio to receive signals only, preventing transmission.
- **Example:** To kill or stun, send "12345". To reactivate, send "12345#".

4.7 Dual Watch, Dual Display, and Dual PTT

- **Dual Watch:** Monitor two different frequencies simultaneously.
- **Dual Display:** View two frequencies on the screen at the same time.
- **Dual PTT:** The radio features two Push-To-Talk buttons, allowing for quick switching between two active channels (A and B bands).

4.8 Flashlight

The radio includes a built-in flashlight for convenience in low-light conditions.

Product Details

A

Band ▶

B

Band ▶

Customizable ▶

Dual PTT



Flashlight

2Pin Kendwood Port ▶

USB-C Programming ▶

Programming Port

USB-C Charging Port



Image 4.4: Flashlight location on the radio.

5. MAINTENANCE

5.1 Battery Care

- Avoid fully discharging the battery frequently to prolong its lifespan.
- Store the radio and battery in a cool, dry place when not in use.
- If the battery shows signs of damage or malfunction, replace it with an authorized TIDRADIO battery.

5.2 Cleaning

- Use a soft, damp cloth to clean the radio's exterior.

- Do not use harsh chemicals or abrasive cleaners.
- Ensure all ports are dry before charging or connecting accessories.

5.3 Firmware Updates

Firmware updates may be released to improve performance or add new features. For information on available updates and installation instructions, please contact customer support or visit the official TIDRADIO website.

6. TROUBLESHOOTING

If you encounter any issues with your TD-H3 radio, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Radio does not power on.	Battery is depleted or not properly installed.	Charge the battery fully. Ensure the battery is securely attached.
Cannot transmit or receive.	Incorrect frequency/channel, antenna not connected, radio in "stun" mode.	Verify frequency settings. Ensure antenna is securely attached. Check if a Stun Code has been activated.
Programming via Bluetooth fails.	Bluetooth connection issue, app malfunction.	Restart Bluetooth on the radio by long-pressing the Bluetooth button. Ensure the Odmaster App is up to date.
Poor audio quality or limited range.	Antenna issue, environmental interference, low battery.	Check antenna connection. Move to an area with less obstruction. Ensure battery is charged.

7. SPECIFICATIONS

Feature	Specification
Model Number	TD-H3 GMRS
Product Dimensions	9.92 x 8.46 x 2.24 inches (25.2 x 21.5 x 5.7 cm)
Item Weight	2.36 pounds (1.07 kg)
Battery Type	Lithium Ion (2500mAh)
Number of Channels	199
Connectivity	Bluetooth, USB-C
Special Features	Automatic Squelch, Dual Band, Long Range, Weather Alert, Air Frequency Band, Dual Watch, Dual Display, Dual PTT, Flashlight
Frequency Range (RX)	AM: 108-136MHz; FM: 50-76MHz, 76-108MHz; UHF: 400-470MHz, 470-600MHz; VHF: 136-174MHz, 174-350MHz, 350-400MHz
Frequency Range (TX)	GMRS: 462.5500 ~ 467.7250 MHz

Feature	Specification
Talking Range Maximum	5 Kilometers (3.1 miles)
Voltage	7.4 Volts
Water Resistance Level	Water Repellent

8. WARRANTY AND SUPPORT

8.1 Warranty Information

TIDRADIO products are manufactured to high-quality standards. For specific warranty details, please refer to the warranty card included with your product or contact TIDRADIO customer support.

8.2 Customer Support

If you encounter any issues, require technical assistance, or have questions regarding missing accessories, please contact TIDRADIO customer support:

- **Via Amazon:** Contact us through your Amazon order details.
- **Via Email:** For a satisfactory solution to technical issues.
- **Website:** For firmware downloads and additional resources, visit walkietalkiesoftware.com.

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Related Documents - TD-H3

	<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-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-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>TERADIO TD-777S Programming Guide INTRODUCTION TD-777S is a UHF radio. It has 25 channels, one CTCSS or DCS channel, from scanning list and group channels. Operator can name via programming software or computer. This Programming Guide will help you get a quick start for your radio. If you have any problems with the TD-777S radio, please contact us for support. www.tidradio.com. Also visit our Facebook page (TIDRADIO) for more help if you need our faster to help. Contents 1. Frequency Assignment Programming 2 2. Preparation Before Programming 2 3. Manufacturer Software Programming Process 3 4. Other Software Programming Process 4</p>	<h2><u>TIDRADIO TD-777S Programming Guide</u></h2> <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>TERADIO TD-777S USER'S MANUAL</p>	<h2><u>Two Way Radio User's Manual - Operation and Safety Guide</u></h2> <p>Comprehensive user's manual for a two-way radio, covering operation, safety precautions, technical specifications, and troubleshooting. Includes FCC compliance information and a frequency chart.</p>
 <p>TERADIO TD-H6 Programming Guide INTRODUCTION TERADIO TD-H6 is a dual band (VHF/UHF) versatile amateur radio. It offers 128 channels, one CTCSS or DCS channel, from scanning list and group channels. Operator can name via programming software or computer. This Programming Guide will help you get a quick start for your radio. If you have any problems with the TD-H6 radio, please contact us for support. www.tidradio.com. Also visit our Facebook page (TIDRADIO) for more help if you need our faster to help. Contents 1. Preparation Before Programming 2 2. Manufacturer Software Programming Process 2 3. Other Software Programming Process 3</p>	<h2><u>TIDRADIO TD-H6 Programming Guide</u></h2> <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>

Documents - TIDRADIO – TD-H3

[pdf]

tidradio h3 Viva Telecom CJSC Протокол испытаний радиостанции Tidradio TD H3 от лаборатории
Вива ТелекомРекламные проспекты на аппаратуруviva telecom org SHOP FILES TIDRADIO |||
- viva-telecom.org Tidradio **TD-H3** , SELF-TEST RF output power , HI MID LOW 145
4.56 434 4.89 1.64 300 6.89 310 6.72 ...
lang:en score:33 filesize: 152.45 K page_count: 1 document date: 2024-02-01

lang:en score:33 filesize: 152.45 K page_count: 1 document date: 2024-02-01

[pdf]

HELMI Test Handfunkgerät TIDRADIO TD H3 67 DARC In der gleichen Preisklasse also unter 50 € wird von Firma das Modell 1 angeboten Dieses Gerät insbesondere in TidRadio darc de fileadmin filemounts distrikte o ortsverbaende 38 Downloads |||

Test Handfunkgert TIDRADIO **TD-H3** #67 Wilhelm, DL6DCA, 23.10.2024 TIDRADIO
TD-H3 Bei der AMSAT-DL Jahrestagung ist es wieder passiert. Htte gut fr einen Test
ein Handfunkgert gebrauchen knnen und natrlich es nicht mitgenommen. Mein
Funkfreund Matthias, DD1US, konnte mir freundlicherweise aushelfen,...
lang:de score:33 filesize: 450.37 K page_count: 8 document_date: 2024-10-23

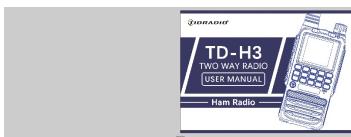
lang:de score:33 filesize: 450.37 K page_count: 8 document date: 2024-10-23



[TIDRADIO TD-H3 Firmware Upgrade Guide](#)

Step-by-step instructions for upgrading the firmware on a TIDRADIO TD-H3 radio using the IAP_3773_3782 software. Includes troubleshooting tips and contact information.

lang:en score:32 filesize: 268.92 K page_count: 2 document date: 2024-07-07



[TIDRADIO TD-H3 Dual Band Two-Way Radio User Manual](#)

Comprehensive user manual for the TIDRADIO TD-H3 dual band, dual display, dual watch portable transceiver. Covers features, operations, safety, specifications, and troubleshooting.

lang:en score:28 filesize: 24.97 M page_count: 32 document date: 2024-02-17



[Odmaster Programming APP User Manual](#)

Comprehensive user manual for the Odmaster Programming APP, detailing its functions as a wireless PTT for group communication and a wireless programmer for Baofeng, TIDRADIO, Radioddity, Retevis, and Quansheng radios. Includes instructions for app download, account registration, Bluetooth connection, adding friends, group calls, background running, radio programming, and troubleshooting common issues.

lang:en score:25 filesize: 1.81 M page_count: 42 document date: 2025-03-09



[\[pdf\] User Manual](#)

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TD-H3. . . .

lang:i-klingon score:23 filesize: 3.24 M page_count: 57 document date: 2024-12-01

Choose Your 2m Frequency Wisely

Written for amateur radio operation in Colorado
Bob Witte, KNR

Note: For radio operating outside of Colorado, please refer to www.4w1.org/en

You've just purchased your first 2-meter (144 to 148 MHz) FM transceiver and have been chit-chatting with both old and new friends around the 2m band. You and your friends decide to start operating on the 2m band. You are not sure what to do. In the band, you find a nice quiet frequency that no one seems to using and start operating there. Nothing to worry about, right?

Not so fast, there are a few more things to consider when selecting a frequency on the 2m band. Let's take a look at the key issues.

FCC Rules

The first thing we need to know are the frequencies that the FCC has authorized for our particular license class. For the HF bands, the frequency privileges depend greatly on the class of license. For the 2m band, the frequencies are the same for all license classes. For the HF bands and higher, the 2M band extends from 144 MHz to 148 MHz. The FCC Rules say that any amateur, AM, SSB, CW, etc. can be used on the band from 144.000 to 148.000 MHz. The FCC has also designated 144.400 MHz for CW operation.

Band Plan

Knowing the FCC frequency authorizations is a good start but we need to check a bit further. Amateur radio operators use a variety of modulation techniques to carry out communications. Often, these techniques require specific frequencies to be used. These frequencies are referred to as mode sets or mode allocation type. For example, an SSB signal can be stored on an FM receiver (and vice versa). We need to use our authorized frequencies wisely by sharing the band with other amateur radio operators. We also need to have a band plan that divides the band up into segments for each type of operation.

2m Band Plan

As shown in the table, the 2m amateur band plan supports a wide variety of radio operation. Larger radio operators use a variety of modulation techniques to carry out communications. Often, these techniques require specific frequencies to be used. These frequencies are referred to as mode sets or mode allocation type. For example, an SSB signal can be stored on an FM receiver (and vice versa). We need to use our authorized frequencies wisely by sharing the band with other amateur radio operators. We also need to have a band plan that divides the band up into segments for each type of operation.

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Jock Elliott Choose Your 2m Frequency Wisely Feb 25 2025 · See TIDRadio TD H3 VHF UHF ham radio is of course even better for this except the parties involved need to be licensed OK you can kc2idf Useful Goodies 02 can operatekc2idf Wiselykc2idf |||

Choose Your 2m Frequency Wisely Written for amateur radio operation in Colorado

Bob Witte, KNR Note: ... something you need. I have a few FRS/GMRS radios in my

stash to share with neighbors. See TIDRadio **TD-H3** VHF/UHF ham radio is, of

course, even better for this, except the parties involved need to be...

lang:en **score:19** filesize: 1.24 M page_count: 28 document date: 2025-02-24



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lang:en **score:12** filesize: 703.63 K page_count: 0 document date: 2025-01-09