TIDRADIO TD-G100

TIDRADIO TD-G100 4G LTE PoC Walkie-Talkie Instruction Manual

Model: TD-G100

1. PRODUCT OVERVIEW

The TIDRADIO TD-G100 is a 4G LTE Push-to-Talk over Cellular (PoC) walkie-talkie designed for unlimited range communication across 4G networks. It offers stable and clear communication for various applications, including family use, logistics, truck fleets, and construction sites. The device supports both individual and group calls, with advanced features managed via the Odmaster APP.

1.1 Key Features

- **Unlimited Range:** Utilizes 4G LTE networks for nationwide and global communication where signal is available.
- **SIM Card Included:** Comes with SIM cards for immediate use, often with a free data period.
- **Odmaster APP Control:** Manage groups, add friends, replay voice chats, and monitor data usage.
- **One-Click OTA Updates:** Receive firmware updates wirelessly for improved performance and new features.
- **Auto-Recording:** Automatically records conversations, accessible via the Odmaster APP.
- **High Compatibility:** Interoperable with other TIDRADIO PoC models (TD-M15, TD-M13, TD-G18, TD-M2) within the same group.
- **Long Battery Life:** Equipped with a 3000mAh battery, offering 3-5 days of standby time.
- **Durable Design:** IP54 rated for rugged use.

1.2 Package Contents

The standard package includes:

- 2 × TD-G100 4G PoC Radios
- 2 × SIM Cards
- 2 × 3000mAh USB-C Batteries
- 2 × Type-C Earpieces

- 2 × USB Chargers
- 2 × USB Cables

Please inspect the package contents upon receipt. If any items are missing, contact customer support.

1.3 Device Components

Hidden antenna
/Shock -resistant protection bar

Volume Control

PTT Button

Menu/Confirm

Groups list

Single Call

Power on /EXIT Button

Microphone

Select the Menu option

Speaker

Dimensions of TD-G100:
Height: 4.10"
Length: 1.25"
Width: 2.12"

Figure 1: Front and side view of the TD-G100 with labeled components.

The TD-G100 features a compact design with clearly labeled buttons for easy operation. Key controls include the PTT (Push-to-Talk) button, volume control knob, menu/confirm buttons, and dedicated buttons for groups list and single call functions.

2. SETUP GUIDE

2.1 SIM Card and Battery Installation

1. **Open the Lock Buckle:** Gently push the SIM card slot latch downward to open it.

2. **Insert SIM Card:** Carefully place the provided SIM card(s) into the designated slot(s) with the metal contacts facing down.

3. **Close the Lock Buckle:** Push the latch back into place and gently push it upward to secure the SIM card(s).

4. **Install Battery:** Insert the 3000mAh battery into the battery compartment, ensuring proper alignment of the contacts. Secure the battery cover.

Figure 2: TD-G100 walkie-talkies with included SIM cards.

2.2 Odmaster APP Download & Account Registration

The Odmaster APP is essential for managing your TD-G100 radios. Follow these steps to get started:

1. **Download the APP:** Scan the QR code below or search for "Odmaster" in your device's app store (available for Android and iOS).

Figure 3: Odmaster APP download and activation steps.

2. **Register an Account:** Open the Odmaster APP and select "Register." You can register using your phone number or email address. Email registration does not require verification.

2.3 Binding Your TD-G100 to the Odmaster APP

To enable full functionality, bind your radio to your Odmaster account:

1. **Navigate to Devices:** In the Odmaster APP, go to the "Devices" section.

2. **Select TD-G100:** Choose "G100" from the list of available devices.

3. **Scan QR Code:** The app will prompt you to scan a QR code. Power on your TD-G100, and a QR code will appear on its screen. Use the app to scan this code.

4. **Confirm Binding:** Follow the on-screen prompts to complete the binding process.

2.4 Adding Friends and Creating Groups

Once bound, you can add contacts and create communication groups:

1. **Add Friends:** In the Odmaster APP, go to the "Talk" section and select "Add Friends." You can add friends by scanning their QR code or by entering their Odmaster ID.

2. **Create a Group:** Select "New Group" in the "Talk" section. Enter a group name, optionally set a group avatar, and invite friends to join.

3. **Add Groups to Radio:** After creating a group, navigate to the "Devices" section, select your bound TD-G100, and then add the newly created group(s) to the radio.

3. OPERATING INSTRUCTIONS

3.1 Basic Operation

- **Power On/Off:** Use the designated power button (refer to Figure 1) to turn the device on or off.
- **Volume Control:** Adjust the volume using the rotary knob located at the top of the device.
- **Menu Navigation:** Use the menu and navigation buttons (up/down/select) to browse through the radio's settings and options.

3.2 Making Calls

The TD-G100 supports various call types:

Figure 4: Call options for the TD-G100.

1. **Full Call (Group Call):**
   a. Press the "Groups list" button.
   b. Select the desired group.
   c. Press and hold the PTT button to transmit your voice to all members in the selected group. Release to listen.

2. **Single Call (Private Call):**
   a. Press the "Single Call" button.
   b. Select the specific member you wish to call.
   c. Short press the PTT button to confirm the selection.
   d. Press and hold the PTT button to transmit your voice privately to the selected member. Release to listen.

3. **Mass Call:** This function allows you to call all members across all departments/groups. Refer to the Odmaster APP for configuration.

3.3 Odmaster APP Functions

The Odmaster APP provides comprehensive control over your TD-G100:

- **Group Management:** Freely create, modify, and manage PoC radio groups.

- **Voice Chat Replay:** Replay saved voice chats directly from the app.
- **Data Service Management:** Check data service expiry and renew quickly.
- **Device Binding/Unbinding:** Easily bind or unbind your TD-G100 devices.

Figure 5: Odmaster APP interface and features.

3.4 Auto-Recording Feature

The TD-G100 automatically records chats, ensuring no important calls are missed. To utilize this feature, the Odmaster APP needs to be running in the background. All group members can view chat history.

4. MAINTENANCE

4.1 Charging

The TD-G100 is equipped with a 3000mAh USB-C battery. Use the provided Type-C charging cable and USB charger for fast charging. Ensure the device is powered off during charging for optimal battery life.

4.2 Over-The-Air (OTA) Updates

The TD-G100 supports one-click OTA auto-updates. This allows you to effortlessly update your device without cables, gaining new features and performance improvements. Regularly check for updates via the Odmaster APP to ensure your device has the latest firmware.

Figure 6: OTA Update option on the TD-G100 screen.

4.3 Water Resistance

The TD-G100 is IP54 rated, providing protection against dust and splashing water. While it can withstand light exposure to moisture, it is not designed for submersion. Ensure all ports are securely covered when not in use to maintain water resistance.

5. TROUBLESHOOTING

If you encounter issues with your TD-G100, consider the following common solutions:

- **No Signal/Connectivity Issues:** Ensure the SIM card is correctly inserted and activated. Check for 4G LTE network coverage in your area. Restart the device.
- **Audio Problems:** Verify the volume level. Check the earpiece connection if using one. Ensure the microphone is not obstructed.
- **Odmaster APP Issues:** Ensure the app is updated to the latest version. Check your internet connection on your smartphone. Re-bind the device if necessary.
- **Battery Not Charging:** Verify the charging cable and adapter are working correctly. Ensure the charging port on the radio is clean and free of debris.

For persistent issues, please contact customer support.

6. SPECIFICATIONS

Feature	Specification
Brand	TIDRADIO
Model Number	TD-G100
Item Weight	1.26 pounds
Package Dimensions	9.92 x 7.09 x 2.36 inches
Batteries	2 Nonstandard Battery batteries required (included)
Battery Capacity	3000mAh
Color	Black
Number of Channels	200
Special Features	120H Standby Time, Power-saving mode, Create groups, add friends freely, Fully control on Odmaster APP, IP54 rated, Rugged, Long Range, Rechargeable 3000mAh Battery
Frequency Range	B2/3/4/5/7/8/28/66
Talking Range Maximum	12000 Miles (Network Dependent)

Voltage	3.7 Volts
Water Resistance Level	Water Resistant (IP54)

7. WARRANTY AND SUPPORT

TIDRADIO is committed to providing excellent customer service and support for the TD-G100. We offer 24-hour support to ensure your peace of mind.

- **Technical Support:** For any technical inquiries or assistance, please contact us via email at support@tidradio.com.
- **Product Feedback:** We welcome all suggestions and creative ideas from our customers. Your feedback helps us improve and release upgrades.
- **Missing Accessories:** If any accessories are missing from your package, please contact us for a solution.

For further assistance, you can also reach out through Amazon by navigating to 'Orders' > 'Get help' > selecting your order > clicking 'other' > sending a message to the 'seller'.

8. OFFICIAL PRODUCT VIDEOS

Watch these official videos for detailed instructions and demonstrations:

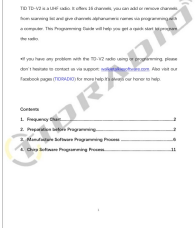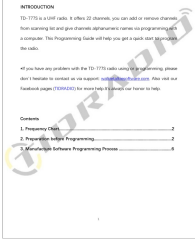### 8.1 How to Use the G100 4G PoC Walkie-Talkie

This video provides a comprehensive tutorial on how to use the TIDRADIO TD-G100, covering product introduction, activation preparation, activation process, and communication tests.

8.2 TIDRADIO TD-G100 Global Walkie Talkies Unlimited Range

An overview video highlighting the global and unlimited range capabilities of the TIDRADIO TD-G100 walkie-talkies.

Related Documents - TD-G100

	TIDRADIO TDBL-1 Odmaster Bluetooth Programmer User Manual Comprehensive user manual for the TIDRADIO TDBL-1 Odmaster Bluetooth Programmer, detailing app and web usage, indicator lights, troubleshooting, and FCC compliance for radio programming.
	TIDRADIO M15 User Manual: Setup, Features, and Operation Guide Comprehensive user manual for the TIDRADIO M15 POC radio. Learn about SIM card installation, Odmaster APP integration for device registration, group management, safety precautions, basic parameters, and troubleshooting.

	Two Way Radio User's Manual - Operation and Safety Guide 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.
	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.
	TIDRADIO TD-H8 User Manual: Features, Operation, and Safety Guide 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.
	TIDRADIO TD-777S Programming Guide 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.