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> OMIZN M5 Global Walkie Talkie Instruction Manual

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Model: M5

1. INTRODUCTION

The OMIZN M5 Global Walkie Talkie is a Push-to-Talk over Cellular (PoC) two-way radio designed for reliable and extensive communication. It offers nationwide coverage through a pre-installed SIM card, supporting communication across various countries. This manual provides essential information for the proper setup, operation, maintenance, and troubleshooting of your OMIZN M5 device.

2. PRODUCT OVERVIEW

2.1 Key Features

- **Push to Talk Over Cellular (PoC):** Nationwide coverage with instant push-to-talk functionality and cross-border support.
- **Pre-installed SIM & Global Support:** Includes first-year high-speed data service, supporting use in up to 172 countries.
- **Long Battery Life:** 6000mAh battery providing up to 48 hours of continuous use or 168 hours standby.
- **USB-C Charging:** Fast charging capability with voice battery alerts and power-saving modes.
- **Intelligent Noise Cancellation:** Shielded speaker and advanced voice coding for clear communication in noisy environments.
- **Rugged Construction:** Zinc alloy body for impact resistance, suitable for demanding conditions (IP54 rated).
- **Multiple Groups & Unlimited Members:** Supports up to 200 groups with virtually unlimited members, including 1-to-1 private calls and multi-group calls.
- **AES256 Encryption:** Military-grade encryption for secure communication.
- **Built-in Flashlight:** Integrated high-intensity flashlight.

AES256 Encryption

Military Grade & Secure & Scrambler

Encrypt and decrypt using a 256-bit key.
More effective protection of the security
of user communication content.



Figure 2.1: Visual representation of AES256 encryption, highlighting secure communication capabilities of the OMIZN M5.

Clear Sound Quality

Magnetic-proof and Dust-proof Speakers

Equipped with 36-millimeter speakers and imported composite diaphragms.



Figure 2.2: Diagram illustrating the internal components for clear sound quality, including 36mm speakers and composite diaphragms in the OMIZN M5.

2.2 Device Components

Familiarize yourself with the main components of your OMIZN M5 walkie talkie.

MANUAL



* If you have any questions, just email us through Amazon Friendly and enthusiastic pre-sales and after-sales service.

Figure 2.3: OMIZN M5 Walkie Talkie with labeled components including Antenna, Indicator light, Flashlight, OLED Display, PTT (Push to Talk) Launch Key, Volume+/Menu+, Volume-/Menu-, Headphone Jack, Menu/Confirmation Key, On/Off Key, Speaker, and Type-C Charging Port.

2.3 Package Contents

Ensure all items are present in your package.

Product Visual Presentation



Figure 2.4: Contents of the OMIZN M5 package, including the walkie talkie unit, antenna, 6000mAh lithium battery, lanyard, back clip, charger plug, and Type-C data cable.

3. SETUP

3.1 Battery Installation and Charging

1. **Install Battery:** Align the 6000mAh lithium battery with the battery compartment on the back of the walkie talkie and gently push until it clicks into place.
2. **Attach Antenna:** Screw the antenna clockwise onto the connector at the top of the device until secure.
3. **Initial Charge:** Connect the provided Type-C charging cable to the charging port on the bottom of the device and plug the charger into a power outlet. The indicator light will show charging status. A full charge can take several hours.

6000mAh Lithium Battery

Long Battery Life to Power Your Day

- Three Power-Saving Modes
- Voice Reminder for Low Battery
- 7-Day Standby Time and 2-Day Continuous Working Duration



Figure 3.1: The OMIZN M5 walkie talkie connected to a Type-C charging cable, illustrating the charging process and highlighting the 6000mAh battery.

3.2 Powering On/Off

- **Power On:** Press and hold the On/Off Key located on the side of the device until the OLED display illuminates.
- **Power Off:** Press and hold the On/Off Key until the device powers down.

3.3 SIM Card Activation

Your OMIZN M5 comes with a pre-installed SIM card and includes one year of high-speed data service. No activation is typically required for initial use within the default service region (US carriers). For international travel or if service is

unavailable in your area, contact OMIZN support for assistance or SIM replacement.

4. OPERATING INSTRUCTIONS

4.1 Basic Communication (Push-to-Talk)

1. **Select Group/User:** Use the Menu/Confirmation Key and Volume+/- buttons to navigate the OLED display and select your desired communication group or individual user.
2. **Transmit:** Press and hold the PTT (Push to Talk) Launch Key on the side of the device to transmit your voice. Speak clearly into the microphone.
3. **Receive:** Release the PTT key to listen for incoming transmissions.

Nationwide Communication

Push to Talk over Cellular Network with SIM Card

SIM Card Works in 172 Countries
Walkie-Talkie Supports Cross-Border Communication



Figure 4.1: The OMIZN M5 walkie talkie displaying network signal, time, and active group/user information on its OLED screen, indicating readiness for nationwide communication.

4.2 Volume Adjustment and Menu Navigation

- **Volume Control:** Use the Volume+ and Volume- buttons to adjust the speaker volume during reception.
- **Menu Access:** Short press the Menu/Confirmation Key to enter the device menu. Use Volume+/- to navigate menu options and the Menu/Confirmation Key to select.

4.3 Flashlight Operation

- **Activate Flashlight:** Long press the Volume+ button to turn on the integrated flashlight.
- **Deactivate Flashlight:** Long press the Volume- button to turn off the flashlight.

4.4 Advanced Communication Features

- **Private Calls:** The device supports 1-to-1 private calls. Select the desired user from the menu.
- **Multi-Group Calls:** Engage in communication with multiple groups simultaneously.
- **Monitoring Feature:** The OMIZN M5 includes a monitoring feature. Contact support for setup details.
- **Group Management:** Groups can be renamed, and members can be managed. Contact support for group renaming or monitoring setup.



Figure 4.2: Comparison highlighting advanced features of the OMIZN M5, such as over 199 channels, user-definable settings, edit/delete functions, talker alias, AES256 encryption, unlimited group members, and a built-in monitoring function, distinguishing it from traditional walkie talkies.

5. MAINTENANCE

5.1 Cleaning

Wipe the device with a soft, damp cloth. Do not use harsh chemicals or abrasive cleaners. Ensure the Type-C charging port cover is securely closed to maintain IP54 water and dust resistance.

5.2 Battery Care

- Charge the battery fully before first use.
- Avoid completely draining the battery frequently to prolong its lifespan.
- Store the device in a cool, dry place when not in use for extended periods.

6. TROUBLESHOOTING

- **No Signal:** Check network coverage in your area. If traveling internationally, ensure your SIM service is configured for the region. Contact support if issues persist.
- **Poor Audio Quality:** Ensure the antenna is securely attached. Check for obstructions around the speaker and microphone. The device features intelligent noise cancellation, but extreme noise may still affect clarity.
- **Device Not Powering On:** Ensure the battery is fully charged. Re-install the battery to ensure proper contact.
- **Battery Drains Quickly:** Reduce screen brightness, disable unnecessary features, or activate power-saving modes.
- **Cannot Connect to Groups/Users:** Verify your group and user settings. Contact OMIZN support for assistance with group configuration.

For any persistent issues, signal problems, malfunctions, or questions not covered in this manual, please contact OMIZN customer support.

7. SPECIFICATIONS

Feature	Specification
Brand	OMIZN
Model Number	OMIZN-M5-B-1set
Connectivity Protocol	LTE (4G)
Number of Channels	Up to 200 groups
Talking Range Maximum	Unlimited (Nationwide Cellular PoC)
Battery Capacity	6000mAh
Working / Standby Time	48 hours / 168 hours
Charging Method	Type-C Charging
Voltage	3.7 Volts (DC)
Water Resistance Level	IP54 (Waterproof/Dustproof)
Product Dimensions (D x W x H)	1.29" x 2.2" x 3.07"
Temperature Range	-20°C to 55°C (-4°F to 131°F)
Encryption	AES256
Supported LTE Bands	AT&T LTE Bands 2/4/5/12/14/17/29/30/66, T-Mobile LTE Bands 2/4/5/12/66/71, Verizon LTE Bands 2/4/5/13/46/48/66

FCC IDENTIFIER: 2BPL5-G388

4G LTE Bands(FDD): B1, B2, B3, B4, B5, B7, B8, B20, B28, B34, B38, B39, B40, B41

Frequency Range(Mhz): 701 - 713.5Mhz, 706 - 713.5Mhz, 704 - 711Mhz, 709 - 711Mhz, 782 - 782Mhz, 824.7 - 848.3MHz, 826.5 - 846.5Mhz, 829 - 844Mhz, 1712.5 - 1752.5Mhz, 1720 - 1745Mhz, 1720 - 1770Mhz, 1715 - 1775Mhz, 1857.5 - 1902.5Mhz, 1860 - 1900Mhz, 2310 - 2310Mhz, 2355 - 2355Mhz, 2352.5 - 2357.5Mhz, 2507.5 - 2562.5Mhz, 2510 - 2560Mhz, 2580 - 2610Mhz, 2506 - 2680Mhz



Figure 7.1: Image displaying the FCC Identifier (2BPL5-G388) and detailed 4G LTE FDD bands and frequency ranges supported by the OMIZN M5 device.

8. WARRANTY AND SUPPORT

8.1 Customer Support

OMIZN is committed to providing reliable support. For any issues, including signal problems, malfunctions, or general

questions, please contact our support team. We aim to address your concerns promptly upon receiving your message. Your satisfaction is our top priority.

You can typically reach support through the platform where you purchased the product (e.g., Amazon's messaging system for OMIZN seller).

8.2 SIM Service Renewal

The pre-installed SIM card includes one year of high-speed data service. This service can be renewed annually after the first year. Please contact OMIZN support for details on service renewal procedures and pricing.

