

OMIZN X4

OMIZN X4 Dual Mode Walkie Talkie

INSTRUCTION MANUAL

Model: X4

Introduction

The OMIZN X4 is a high-performance dual-mode walkie talkie designed for reliable communication across various environments. It integrates both 4G LTE public network communication for unlimited range and traditional Analog communication (UHF 400-470MHz) for short-range, off-grid use. This device is built to withstand challenging conditions with an IP67 rating and offers advanced features like GPS positioning, noise reduction, and one-click frequency pairing.

This manual provides essential information for setting up, operating, maintaining, and troubleshooting your OMIZN X4 walkie talkie to ensure optimal performance and longevity.

Safety Information

- Do not operate the radio in explosive atmospheres (e.g., flammable gases, dust particles, metallic powders).
- Do not disassemble or modify the radio. Repairs should only be performed by authorized personnel.
- Use only OMIZN-approved batteries and chargers. Improper use may cause fire, explosion, or injury.
- Keep the radio away from medical devices to avoid interference.
- Avoid prolonged exposure to direct sunlight or extreme temperatures.
- Ensure the antenna is properly attached before operation.

What's in the Box

Upon unpacking, please verify that all the following items are included:

- OMIZN X4 Walkie Talkie Unit
- Antenna
- Rechargeable Battery (8800mAh)

- Belt Clip
- Charger
- User Manual (this document)

Product Overview

The OMIZN X4 features a robust design with a clear display and intuitive controls. Familiarize yourself with the main components:



1

2.12-inch HD Display with Clear Function Info, Dual Standby on Same Frequency

2

Dual PTT Buttons with Physical Isolation Technology for Parallel Control of Two Modes (POC/UHF), One-key Seamless Switching, Push-to-Talk without Interference

3

Numeric Keypad Area for Quick Mode Switching (POC/Analog), Fast Channel /Frequency Input with Minimal Interaction Steps to Simplify Operation; Menu & Back Buttons Enable Customizing Two-way Radio Settings and Enabling/Disabling Functions

Close-up view of the OMIZN X4 walkie talkie highlighting its key operational features: the 2.12-inch HD display, dual PTT buttons for seamless mode switching, and the numeric keypad for quick channel input and function access.

1. **2.12-inch HD Display:** Shows function information, dual standby status, and current channel/frequency.
2. **Dual PTT Buttons:** Physically independent buttons for parallel control of PoC (4G LTE) and UHF (Analog) modes, allowing one-click seamless switching without interference.
3. **Numeric Keypad:** For quick mode switching (PoC/Analog), direct channel/frequency input, and access to customizable menu functions.
4. **Antenna:** For signal transmission and reception.
5. **Speaker/Microphone:** For audio input and output.

6. **Power/Volume Knob:** To turn the device on/off and adjust volume.

Setup

1. **1. Charge the Battery**

Before first use, fully charge the 8800mAh battery. Connect the charger to a power outlet and then to the walkie talkie. The charging indicator will show the charging status. A full charge can provide up to 7 days of standby time.

2. **2. Attach the Antenna**

Carefully screw the antenna clockwise into the antenna connector on the top of the radio until it is secure. Do not overtighten.

3. **3. Install the Belt Clip**

Attach the belt clip to the back of the radio using the provided screws, if desired.

4. **4. SIM Card Information**

The OMIZN X4 comes with a pre-installed SIM card for 4G LTE functionality. This SIM card requires no identity binding and has no hidden fees. It is compatible for use in 172 countries and regions. If you plan to use the device outside North America or South America, please contact OMIZN customer support in advance to ensure proper activation for your destination country.

5. **5. Power On/Off**

Rotate the Power/Volume knob clockwise to turn on the radio. Rotate it counter-clockwise until a click is heard to turn off the radio.

Operating Instructions

1. **1. Dual Mode Operation (4G LTE / Analog)**

The OMIZN X4 supports both 4G LTE (PoC) and Analog (UHF) modes. Use the dedicated dual PTT buttons to switch between modes seamlessly. One button activates 4G LTE communication, while the other activates Analog communication. This allows for flexible communication depending on signal availability and range requirements.

2. **2. Channel/Frequency Selection**

Use the numeric keypad to directly input desired channels or frequencies. The 2.12-inch HD display will show the current selection. Refer to the menu options for advanced channel management.

3. **3. Transmitting and Receiving**

To transmit, press and hold the appropriate PTT button for your desired mode (4G LTE or Analog). Speak clearly into the microphone. Release the PTT button to receive. The radio features a professional noise reduction chip and wind noise resistant speaker for clear audio.

on the Market, Supports Channel Cloning(RX/TX)

ONE-KEY FREQUENCY PAIRING

with Quick Matching, Compatible with Most Walkie-Talkies Ensures the walkie-talkie operates normally in any harsh environment



Illustration demonstrating the OMIZN X4's high-fidelity clear sound quality, featuring AI noise-canceling technology for effective communication in noisy outdoor environments.

4. 4. One-Click Frequency Pairing / Channel Cloning

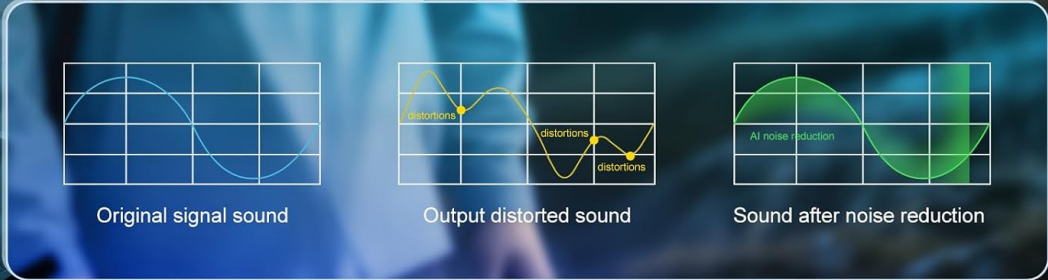
This feature allows for quick compatibility with most walkie talkies on the market. Follow the on-screen instructions or refer to the menu for initiating one-click frequency pairing or channel cloning. This simplifies setting up communication with other devices.



HIGH-FIDELITY CLEAR SOUND QUALITY WITH AI NOISE-CANCELING CALL

Equipped with Large-diameter Vibration Unit to Maintain Clear Sound Even in Noisy Outdoor Environments.

AI Intelligent Noise Cancellation



The figure contains three graphs on a grid background. The first graph, labeled 'Original signal sound', shows a smooth blue sine wave. The second graph, labeled 'Output distorted sound', shows a yellow sine wave with several sharp peaks and valleys labeled 'distortions'. The third graph, labeled 'Sound after noise reduction', shows a green sine wave that is smoother than the original, with a label 'AI noise reduction' pointing to the curve.

Image showing two OMIZN X4 walkie talkies engaged in one-key frequency pairing, emphasizing quick matching and compatibility with most other walkie-talkies.

5. 5. GPS Positioning

The OMIZN X4 supports optional high-precision GPS positioning, compatible with multi-platform scheduling systems for team cluster management. Activate GPS through the menu settings if this feature is required for your operations.

6. 6. Computer Programming

For professional users, the OMIZN X4 supports computer programming to meet personalized setting needs. This allows for advanced configuration of channels, frequencies, and other operational parameters. Consult OMIZN technical support for software and programming cable details.



Image illustrating the OMIZN X4's capability for computer programming and frequency writing, highlighting its 10W power, dual-mode functionality (PoC and Analog), and seamless communication in both networked and off-grid environments.

7. 7. Built-in Repeater Function

The device includes a built-in repeater function that enhances signal and extends coverage range. It supports both analog to public network transmission/reception and public network to analog transmission/reception, optimizing communication in complex environments.

BUILT-IN REPEATER

- Automatic Repeater Function: Enhances signal and extends coverage range, supporting:
 - **analog transmission** to public network transmission & reception
 - Public network transmission to **analog** transmission & reception



Diagram illustrating the OMIZN X4's built-in repeater function, which enhances signal and extends coverage range by supporting both analog to public network and public network to analog transmission and reception.

8. 8. Security Features

The OMIZN X4 incorporates AES256 encryption, frequency hopping, and Analog CTCSS/Digital DCS to provide anti-interference, enhanced security, and anti-eavesdropping capabilities, ensuring private and secure communications.



Graphic depicting the OMIZN X4's advanced security features, including AES256 encryption, frequency hopping, and Analog CTCSS/Digital DCS for anti-interference and anti-eavesdropping.

Maintenance

- **Cleaning:** Wipe the radio's surface with a soft, damp cloth. Do not use harsh chemicals or abrasive cleaners. Given its IP67 rating, it can be rinsed with fresh water if exposed to dirt or saltwater, but ensure all ports are sealed.
- **Battery Care:** To prolong battery life, avoid fully discharging the battery frequently. Store the battery in a cool, dry place when not in use for extended periods.
- **Antenna:** Regularly check the antenna for any damage. A damaged antenna can affect communication range and quality.
- **Storage:** Store the radio in a dry, dust-free environment within the recommended temperature range (-30°C to 70°C).

IP67 DUSTPROOF AND WATERPROOF, IMPACT AND DROP RESISTANT

Ensures the walkie-talkie operates normally in any harsh environment



Visual representation of the OMIZN X4's IP67 rating, showing it submerged in water and covered in dust, indicating its robust dustproof, waterproof, impact, and drop-resistant design.

Troubleshooting

Problem	Possible Cause / Solution
Radio does not power on.	Battery may be depleted. Charge the battery fully. Ensure battery is properly installed.
No signal or poor reception in 4G LTE mode.	Check cellular network coverage in your area. Ensure SIM card is active. Move to an area with better signal.
No signal or poor reception in Analog mode.	Ensure you are within range of the other radio(s). Check antenna connection. Verify correct frequency/channel settings.
Cannot transmit or receive.	Ensure the correct PTT button for the active mode is pressed. Check volume level. Verify channel/frequency settings match other radios.

Problem	Possible Cause / Solution
Audio is unclear or distorted.	Adjust volume. Ensure microphone and speaker are not obstructed. Check for strong interference sources.

If you encounter issues not listed here or require further assistance, please contact OMIZN customer support.

Specifications

Feature	Detail
Model Number	X4
Dimensions (D x W x H)	1.57" x 2.56" x 4.51"
Item Weight	1.32 Pounds
Working Voltage	7.4 Volts (DC)
Frequency Range	4G LTE, UHF (400-470MHz)
Output Power	10W
Number of Channels	200
Battery Capacity	8800mAh
Water Resistance Level	IP67 (Dustproof, Waterproof)
Operating Temperature	-30°C to 70°C Degrees Celsius
Special Features	Digital Display, Keypad Lock, Long Range, Noise Reduction, Shockproof, GPS (optional)

Official Product Video

Your browser does not support the video tag.

Official product video demonstrating the OMIZN X4 Dual Mode Walkie Talkie's features and operation, including its 4G PoC and UHF radio capabilities.

Warranty and Support

OMIZN provides a 30-day hassle-free return and exchange policy from the date of receipt for your X4 Dual Mode Walkie Talkie. Additionally, the product is backed by lifetime professional technical support for non-man-made damage.

If you encounter any problems or have questions regarding your OMIZN X4, please contact our dedicated customer service team via Amazon messaging. Our team is ready to assist you online.

