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› TMEZON Wired Video Intercom System User Manual

TMEZON MZ-2V30

TMEZON Wired Video Intercom System User Manual

Model: MZ-2V30

1. INTRODUCTION

This user manual provides comprehensive instructions for the installation, operation, and maintenance of your TMEZON Wired Video Intercom System. Please read this manual thoroughly before installation and use to ensure proper functionality and safety.

The TMEZON Wired Video Intercom System is designed to enhance security and convenience for villas, houses, offices, and apartments. It features a 7-inch color LCD indoor monitor, an outdoor doorbell unit with an HD camera, night vision, and remote unlock capabilities.

2. SAFETY INFORMATION

- Ensure all power is disconnected before installation or maintenance.
- The power adapter must connect only to the indoor monitor unit, not directly to the outdoor doorbell unit, to prevent damage.
- Avoid installing the outdoor unit in direct sunlight or areas prone to heavy rain without adequate protection. The unit is rainproof but extreme conditions should be avoided.
- Do not attempt to disassemble or repair the system components yourself. Refer to qualified personnel for service.
- Keep the system away from high temperatures, humidity, and corrosive environments.
- When testing the system, ensure sufficient distance between the indoor and outdoor units to prevent audio feedback (noise).

3. PACKAGE CONTENTS

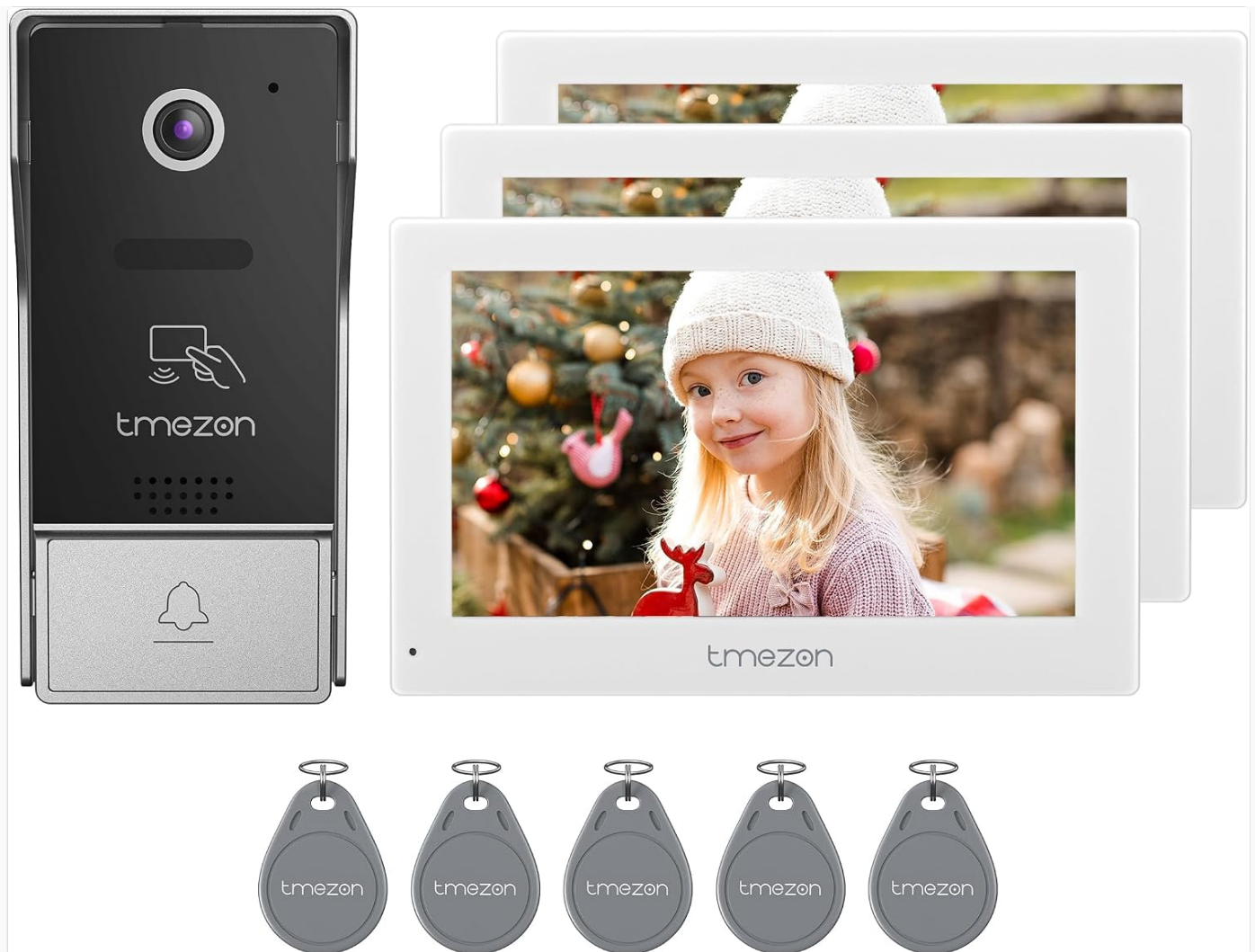


Image: Overview of the TMEZON Wired Video Intercom System package contents, including the outdoor doorbell, three indoor monitors, and five RFID key fobs.

The TMEZON Wired Video Intercom System package typically includes the following items:

- 1 x Outdoor Doorbell Unit with HD Camera
- 3 x 7-inch Indoor Monitor Units
- 1 x Power Adapter (for indoor monitor)
- 5 x RFID Key Fobs (for remote unlock via card reader)
- Mounting Screws and Wall Plugs
- Connection Terminals
- Rain Cover (for outdoor unit)
- User Manual (this document)

Note: Extension wires are not included. A 4-pin connector is provided for extending wires using RVV4 (4 core wire), Cat5, or Cat6 cables.

4. PRODUCT OVERVIEW

4.1 Outdoor Doorbell Unit

The outdoor unit features a robust design for external installation. It includes:

- **HD Camera:** Provides clear video feed with a 115-degree wide viewing angle.

- **IR Night Vision:** Enables clear visibility in low-light conditions.
- **Call Button:** For visitors to initiate a call to the indoor monitors.
- **RFID Card Reader:** Allows entry using RFID key fobs.
- **Microphone and Speaker:** For two-way audio communication.
- **Rain Cover:** Provides protection against weather elements.

4.2 Indoor Monitor Unit

The indoor monitor serves as the control center for the system. Key features include:

- **7-inch Color LCD Screen:** Displays video feed from the outdoor unit.
- **Touch Buttons:** For intuitive navigation and control.
- **Intercom Function:** Enables communication with the outdoor unit and other indoor monitors.
- **Remote Unlock:** Button to open connected electronic locks.
- **Adjustable Settings:** Volume, brightness, and contrast can be adjusted.
- **Chimes:** 16 different doorbell chimes available.
- **Auto Turn Off:** Power-saving feature.

5. SETUP AND INSTALLATION

This section outlines the steps for installing your TMEZON Wired Video Intercom System. It is recommended to test the system with the provided original cable before permanent installation.

5.1 Wiring Diagram (Conceptual)

The system uses a 4-wire connection between the outdoor unit and indoor monitors, and between multiple indoor monitors. Ensure correct polarity and secure connections.

- **Wire 1:** Audio
- **Wire 2:** Video
- **Wire 3:** Power (DC 12V)
- **Wire 4:** Ground

For extending wire distances up to 100-200 meters, use RVV4 (4 core wire), Cat5, or Cat6 cables. A 4-pin connector is supplied for this purpose.

5.2 Outdoor Unit Installation

1. **Choose Location:** Select a suitable location near your entrance, typically at a height of 1.4-1.6 meters from the ground, avoiding direct sunlight or heavy rain exposure.
2. **Mount Rain Cover:** Secure the provided rain cover to the wall using screws and wall plugs.
3. **Connect Wires:** Route the 4-wire cable from the indoor monitor location to the outdoor unit. Connect the wires to the corresponding terminals on the outdoor unit. If connecting to an electronic lock, wire it according to the lock's instructions and the outdoor unit's lock control terminals.
4. **Mount Outdoor Unit:** Carefully attach the outdoor unit to the rain cover, ensuring it is securely fastened.

5.3 Indoor Monitor Installation

1. **Choose Location:** Select a convenient indoor location, typically near a power outlet.
2. **Mount Bracket:** Secure the monitor mounting bracket to the wall using screws and wall plugs.

3. **Connect Wires:** Connect the 4-wire cable from the outdoor unit to the main indoor monitor. If installing multiple monitors, connect them in series using 4-wire cables.
4. **Connect Power:** Plug the power adapter into the indoor monitor's power input.**Important: Do not connect the power adapter directly to the outdoor unit.**
5. **Mount Monitor:** Carefully attach the indoor monitor to its wall bracket.

5.4 Initial Testing

Before finalizing installation, perform a system test:

1. Power on the indoor monitor.
2. Press the call button on the outdoor unit. The indoor monitor should ring and display the outdoor camera feed.
3. Speak into the outdoor unit and listen through the indoor monitor, and vice-versa, to confirm two-way audio.
4. If an electronic lock is connected, test the remote unlock function from the indoor monitor.
5. Test the RFID key fobs by swiping them over the outdoor unit's card reader to confirm unlock functionality.

6. OPERATING INSTRUCTIONS

6.1 Answering a Call

When a visitor presses the call button on the outdoor unit, the indoor monitor(s) will ring and display the visitor's image. To answer the call, press the **Answer** button on the indoor monitor. You can then speak with the visitor using the two-way audio feature.

6.2 Monitoring Outdoor Area

To view the outdoor area at any time without a call, press the **Monitor** button on the indoor unit. The screen will display the live feed from the outdoor camera.

6.3 Remote Unlocking

During a call or while monitoring, press the **Unlock** button on the indoor monitor to remotely open a connected electronic lock. For RFID access, simply swipe a registered key fob over the card reader on the outdoor unit.

6.4 Intercom Between Monitors

If you have multiple indoor monitors, you can use the intercom function to communicate between them. Refer to the monitor's on-screen menu for specific instructions on initiating an internal call.

6.5 Adjusting Settings

Access the indoor monitor's menu to adjust various settings:

- **Volume:** Adjust the ringtone and communication volume.
- **Brightness/Contrast:** Optimize the display quality of the screen.
- **Ringtone:** Select from 16 different doorbell chimes.
- **Time/Date:** Set the system's internal clock.

7. MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the surfaces of the indoor and outdoor units. Do not use abrasive cleaners or solvents.

- **Camera Lens:** Gently clean the outdoor camera lens periodically to ensure clear image quality.
- **Connections:** Periodically check all wiring connections to ensure they are secure and free from corrosion.
- **Software Updates:** Check the manufacturer's website for any available firmware updates for improved performance and features.

8. TROUBLESHOOTING

Problem	Possible Cause	Solution
No image on indoor monitor.	Loose video cable connection; Power issue; Damaged camera.	Check all 4-wire connections, especially the video line. Ensure power adapter is correctly connected to the indoor unit and receiving power. Contact support if camera is damaged.
No audio or poor audio quality.	Loose audio cable connection; Microphone/speaker obstruction; Units too close during testing.	Verify audio wire connection. Ensure microphone and speaker on both units are clear. Maintain sufficient distance between units during testing to avoid feedback.
Doorbell not ringing.	Loose call button wire; Indoor monitor volume too low; Monitor in 'Do Not Disturb' mode.	Check the call button wire connection. Increase monitor volume. Check monitor settings for 'Do Not Disturb' or mute functions.
Remote unlock not working.	Electronic lock not connected properly; Lock power issue; RFID key fob not registered.	Verify wiring between outdoor unit and electronic lock. Ensure the lock has power. If using RFID, ensure key fobs are correctly programmed.
System makes a buzzing noise.	Interference; Ground loop; Units too close.	Ensure proper grounding. Separate power cables from signal cables. If testing, ensure units are not too close to each other.

9. SPECIFICATIONS

- **Model:** MZ-2V30
- **Indoor Monitor Screen:** 7-inch Color LCD
- **Outdoor Camera Resolution:** 1080p HD
- **Camera Viewing Angle:** 115 degrees
- **Connectivity:** Wired (4-wire system)
- **Power Source:** Power Adapter (for indoor unit)
- **Special Features:** 2-Way Audio, IR Night Vision, Remote Unlock, RFID Access, Adjustable Volume/Brightness/Contrast, 16 Chimes.
- **Max Extension Wire Distance:** 100-200 meters (using RVV4/Cat5/Cat6)
- **Mounting Type:** Wall Mount (Surface mounting)

10. WARRANTY AND SUPPORT

TMEZON products are designed for reliability and performance. For warranty information, technical support, or service inquiries, please contact TMEZON customer service through their official website or the retailer from whom you purchased

the product.

Please have your product model number (MZ-2V30) and purchase details ready when contacting support.

For additional resources and FAQs, visit the official TMEZON store:[TMEZON Official Store](#)

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