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› TMEZON Wired Video Intercom System User Manual

TMEZON MZ-V20

TMEZON Wired Video Intercom System User Manual

Model: MZ-V20

1. INTRODUCTION

Thank you for choosing the TMEZON Wired Video Intercom System. This system provides enhanced security and convenience for your home, office, or apartment. It features a 7-inch color LCD indoor monitor and an HD outdoor doorbell camera, enabling two-way communication, monitoring, and remote unlocking capabilities.

2. PRODUCT OVERVIEW

2.1 System Components

- 7-inch Color LCD Indoor Monitor
- Outdoor Doorbell Camera
- Power Adapter
- Mounting Accessories
- Wiring Cables

2.2 Outdoor Doorbell Unit Diagram

The outdoor doorbell unit is designed for durability and clear communication. Refer to the diagram below for component identification.

Smart doorbell



Image: Labeled components of the outdoor doorbell unit, including rain shade, mic, camera, photocell, LED light, name plate, CALL button, and speaker.

3. KEY FEATURES

- **7-inch Color LCD Monitor:** Slim design with touch buttons for easy operation.
- **HD Outdoor Camera:** Features a 115-degree wide viewing angle for comprehensive coverage.
- **Night Vision:** Equipped with infrared LEDs for clear visibility in low-light conditions, displaying images in black and white at

night.

- **Two-Way Audio:** Enables clear communication between the indoor monitor and the outdoor unit.
- **One-Key Unlock:** Supports connection to electronic locks for convenient remote unlocking.
- **Monitoring Function:** Allows users to view the outdoor area at any time from the indoor monitor.
- **Weatherproof Design:** The outdoor unit is IP55 rated, providing protection against rain and dust.
- **Multiple Ringtones:** Offers 16 selectable melodies for doorbell alerts.

3.1 Visual Features

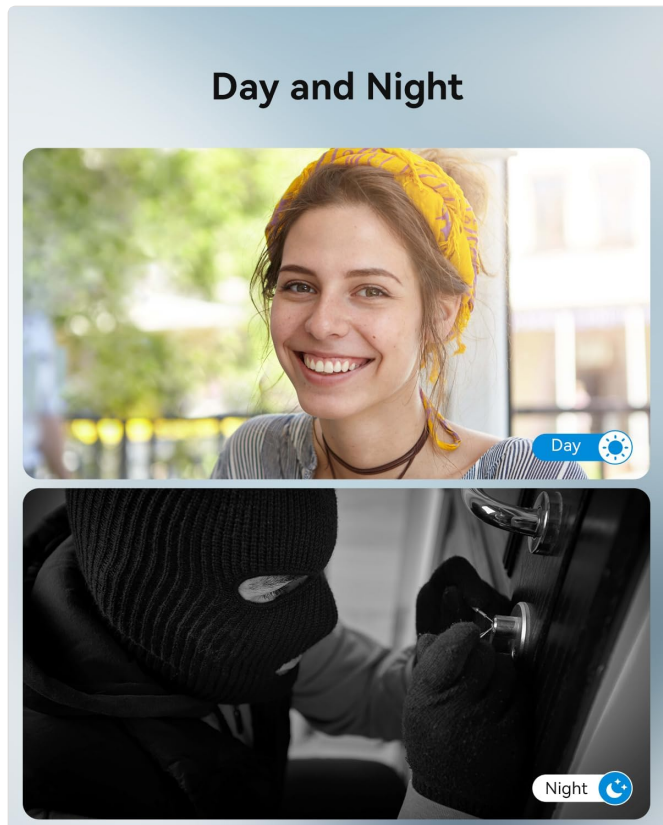


Image: Day and Night vision capabilities of the camera, showing clear color image during the day and black and white image at night.



Image: Demonstration of the two-way audio feature, showing a person speaking into the outdoor unit.

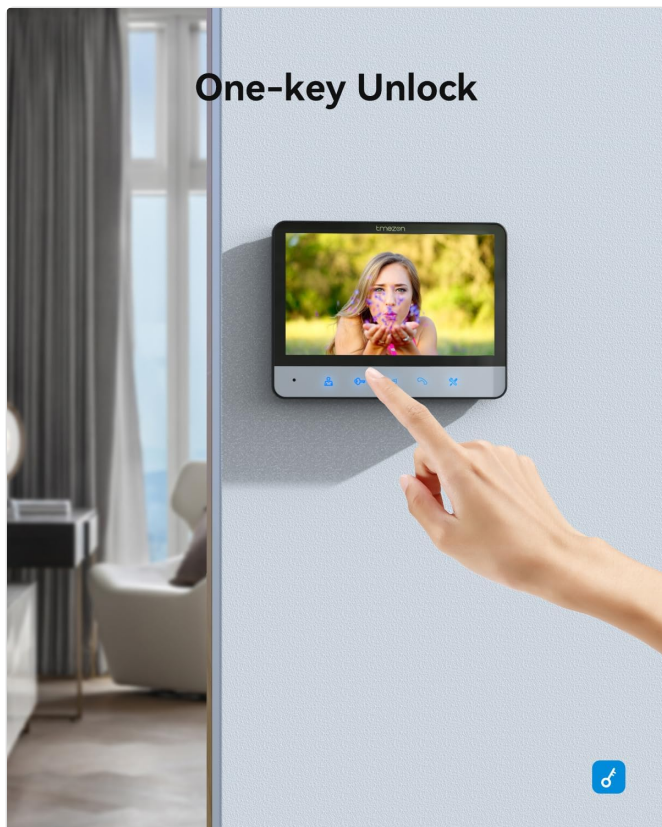


Image: A hand interacting with the indoor monitor to perform a one-key unlock action.

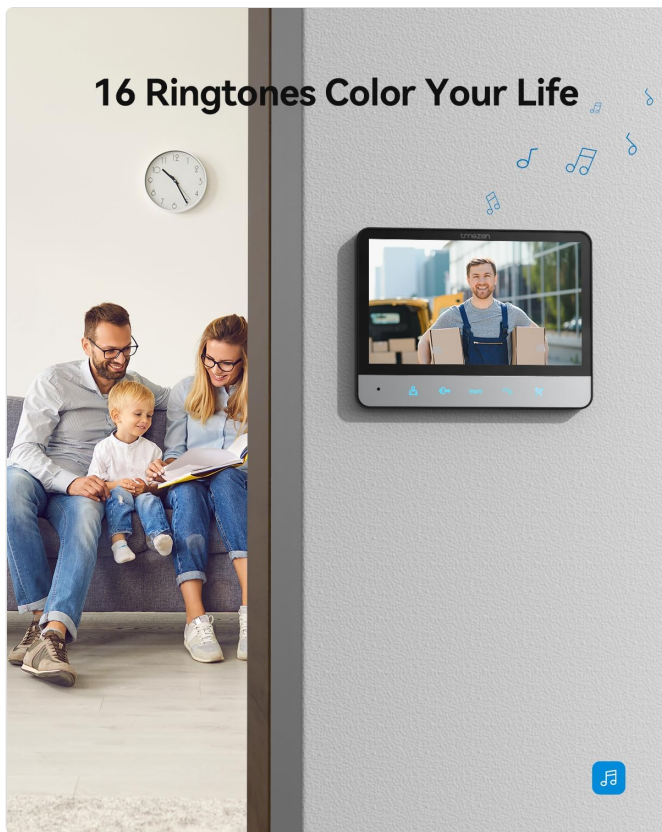


Image: The indoor monitor displaying a visitor, highlighting the 16 ringtones feature.



Image: The outdoor unit installed in an outdoor setting, emphasizing its IP55 weatherproof rating.

4. SETUP AND INSTALLATION

Proper installation is crucial for the optimal performance of your TMEZON Video Intercom System. It is recommended to consult a qualified electrician for complex wiring or if you are unsure about any steps.

4.1 Wiring Diagram

The system uses a 4-wire connection. Ensure all connections are secure and correctly aligned before powering on the system.

Easy Installation

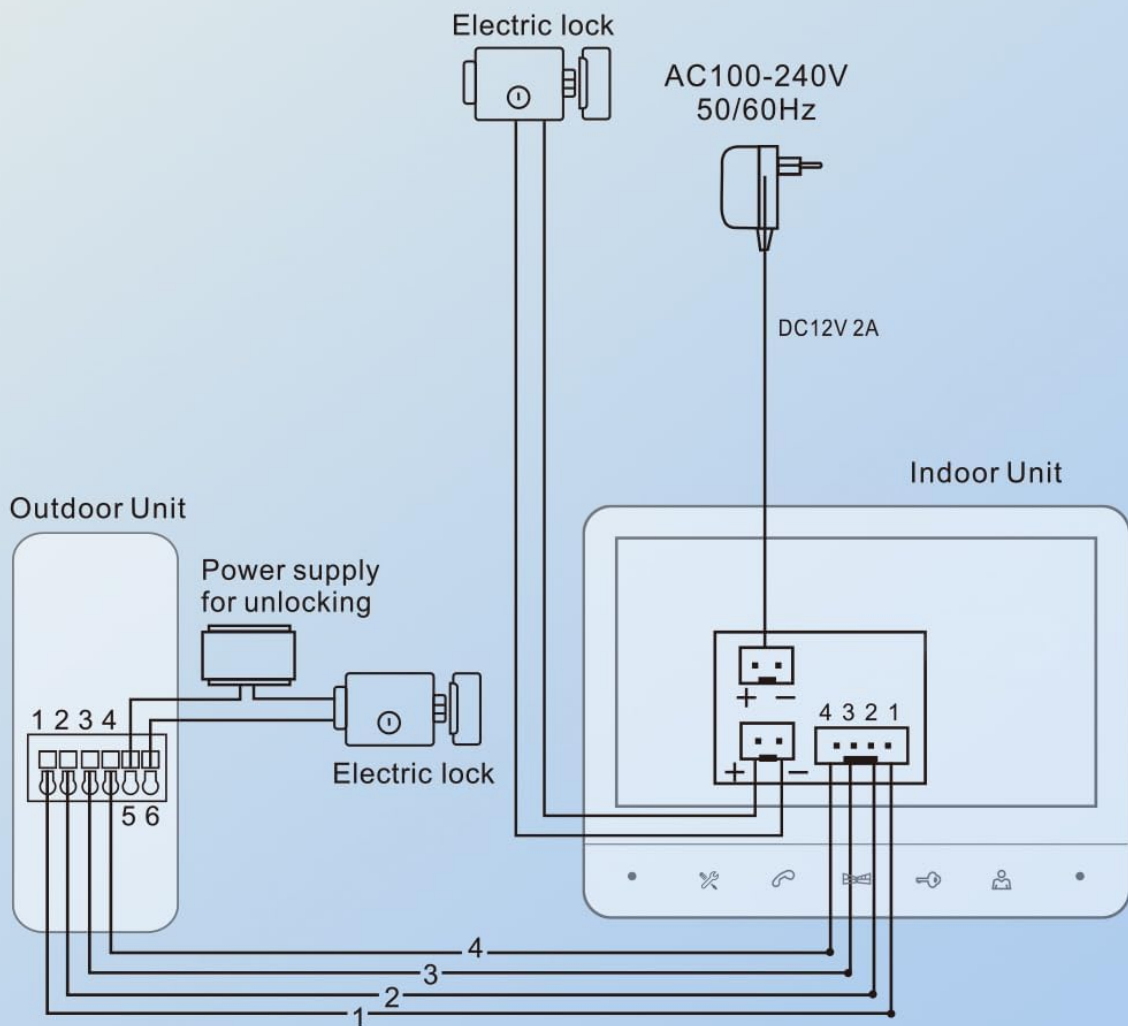


Image: Detailed wiring diagram showing connections between the outdoor unit, indoor unit, power supply, and electric lock.

4.2 Installation Steps (General Guidelines)

- 1. **Mount the Outdoor Unit:** Choose a suitable location near your entrance, ensuring it is protected from direct heavy rain

(though it is weatherproof, additional shelter is beneficial) and at an appropriate height for camera viewing. Secure it firmly to the wall.

- 2. **Mount the Indoor Monitor:** Select a convenient indoor location, typically near a power outlet, where the monitor can be easily accessed and viewed.
- 3. **Wire the System:** Connect the outdoor unit to the indoor monitor using the provided 4-wire cable according to the wiring diagram. If connecting an electric lock, ensure proper wiring for the lock's power supply.
- 4. **Connect Power:** Plug in the power adapter to the indoor monitor and a power outlet.
- 5. **Test the System:** Verify that the doorbell rings, video feed is clear, two-way audio works, and the unlock function operates correctly.

5. OPERATING INSTRUCTIONS

5.1 Answering a Call

- When a visitor presses the CALL button on the outdoor unit, the indoor monitor will ring and display the visitor's image.
- Press the **Answer** button (typically a phone icon) on the monitor to establish two-way communication.
- To end the call, press the **Hang Up** button.

5.2 Monitoring the Outdoor Area

- To view the outdoor area without a visitor present, press the **Monitor** button (typically an eye icon) on the indoor monitor.
- The monitor will display the live feed from the outdoor camera.
- Press the **Hang Up** button to exit monitoring mode.

5.3 Unlocking the Door

- During a call or while in monitoring mode, press the **Unlock** button (typically a key icon) on the indoor monitor to activate the connected electronic lock.
- Ensure your electronic lock is properly wired and powered for this function to work.

5.4 Adjusting Settings

- Access the system settings by pressing the **Menu** button (typically a gear or wrench icon) on the indoor monitor.
- Navigate through the menu to adjust ringtone melodies, volume levels, display brightness, and other system preferences.

6. MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the indoor monitor and outdoor unit. Do not use abrasive cleaners or solvents. For the camera lens, use a lens cleaning cloth.
- **Environmental Protection:** While the outdoor unit is weatherproof (IP55), avoid exposing it to extreme temperatures, direct prolonged sunlight, or heavy water jets.
- **Wiring Inspection:** Periodically check all wiring connections for any signs of wear, corrosion, or looseness. Ensure connections remain secure.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
No image on indoor monitor.	Power adapter unplugged or faulty. Loose or incorrect wiring. Outdoor camera malfunction.	Check power connection to monitor. Verify all 4-wire connections are secure and correct. Contact customer support if issue persists.

Problem	Possible Cause	Solution
No audio or poor audio quality.	Volume settings too low. Loose wiring connections. Microphone/speaker obstruction.	Adjust volume settings on the monitor. Check wiring between units. Ensure mic/speaker on both units are clear.
Door unlock function not working.	Electronic lock not connected or powered. Incorrect wiring for the lock. Lock mechanism fault.	Verify electronic lock is properly connected and receiving power. Review wiring diagram for lock connections. Test the electronic lock independently.
Night vision is unclear or too dark.	Infrared LEDs obstructed or dirty. Insufficient ambient light for optimal night vision.	Clean the camera lens and surrounding area. Note that night vision is typically black and white for clarity.

8. SPECIFICATIONS

Feature	Detail
Model Number	MZ-V20
Manufacturer	TMEZON
Indoor Monitor Size	7 inches (LCD)
Outdoor Camera View Angle	115 degrees
Power Source	Power Adapter
Voltage	12 Volts
Mounting Type	Wall Mount
Weatherproof Rating	IP55 (Outdoor Unit)
Product Dimensions	1 x 1 x 1 inches (System)
Item Weight	2 pounds (System)

Product Size



Image: Physical dimensions of the indoor monitor (180mm x 135mm x 18mm) and outdoor unit (136mm x 49mm x 33mm).

9. WARRANTY AND SUPPORT

For warranty information, please refer to the documentation included with your purchase or contact TMEZON customer support directly. Keep your purchase receipt as proof of purchase.

If you encounter any issues not covered in this manual or require further assistance, please contact TMEZON customer service through their official website or the platform where you purchased the product.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

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After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

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