

TMEZON MZ-V20*2

Tmezon Wired Video Intercom System User Manual

Model: MZ-V20*2 | Brand: TMEZON

1. INTRODUCTION

Thank you for choosing the Tmezon Wired Video Intercom System. This 7-inch color LCD indoor monitor and outdoor doorbell system provides enhanced security and convenience for your home, villa, office, or apartment. Featuring a high-definition camera with night vision, dual-way intercom, and remote unlock capabilities, this system ensures you can see, speak to, and grant access to visitors securely.

This manual provides detailed instructions for the installation, operation, and maintenance of your new intercom system. Please read it thoroughly before installation and keep it for future reference.



Image: The Tmezon Wired Video Intercom System, showcasing two indoor monitors and the outdoor doorbell unit.

2. PRODUCT COMPONENTS

The Tmezon Wired Video Intercom System package includes the following components:

- 7-inch Color LCD Indoor Monitors (x2)
- Outdoor Doorbell Unit with HD Camera (x1)
- Power Adapters
- Rain Cover for Outdoor Unit
- Connection Terminals
- Mounting Screws and Wall Plugs
- User Manual



Image: A flat lay view of all components included in the Tmezon Wired Video Intercom System package, including monitors, doorbell, power adapters, and mounting hardware.

Outdoor Doorbell Unit Features

Smart doorbell



Image: Detailed diagram of the outdoor doorbell unit, highlighting its key components: 1. Rain shade, 2. Mic, 3. Camera, 4. Photocell, 5. LED light, 6. Name Plate, 7. CALL button, 8. Speaker.

1. **Rain shade:** Provides protection from weather elements.
2. **Mic:** Captures audio for two-way communication.
3. **Camera:** High-definition camera with 115-degree wide viewing angle.
4. **Photocell:** Detects ambient light for automatic night vision activation.
5. **LED light:** Illuminates the area for clear night vision.

6. **Name Plate:** Area for displaying resident's name or unit number.
7. **CALL button:** Button for visitors to initiate a call to the indoor monitor.
8. **Speaker:** Outputs audio for two-way communication.

3. SETUP AND INSTALLATION

The Tmezon Intercom System features an easy 4-wire setup. Please follow these steps carefully for proper installation.

Pre-Installation Test

Before permanent installation, it is highly recommended to test the doorbell kits with the original cable. Ensure the distance between the units is not too close during testing to avoid noise interference.

Wiring Diagram

The system uses a 4-wire connection. You can use RVV4 (4 core wire), Cat5, or Cat6 wires to extend the distance between the monitor and doorbell, or between monitors, up to a maximum of 100-200 meters. The extension wire is not included, but 4-pin connectors are provided.



Image: A comprehensive wiring diagram illustrating the connections for the Tmezon Video Intercom System, including the outdoor unit, main indoor unit, sub indoor unit, electric lock, and power supply connections.

Important Note:

- Do NOT connect the power adapter directly to the outdoor unit; it must connect to the indoor unit to prevent damage.

Mounting

The system supports surface mounting. Use the provided screws and wall plugs to securely mount the indoor monitors and outdoor doorbell unit. Ensure the outdoor unit's rain cover is properly installed for protection.

Product Size



Image: Product size dimensions for both the outdoor doorbell unit (136mm x 49mm x 33mm) and the indoor monitor (180mm x 135mm x 18mm).

4. OPERATING INSTRUCTIONS

Answering a Call and Two-Way Audio

When a visitor presses the call button on the outdoor unit, the indoor monitor will ring. You can see and speak to the

visitor through the monitor. The system supports clear two-way audio communication.



Image: A person speaking into the outdoor doorbell unit, illustrating the two-way audio feature of the Tmezon intercom system.

Remote Unlock Function

The system allows you to securely open electronic locks connected to the doorbell unit directly from your indoor monitor. This provides convenient access control without needing to go to the door.



One-key Unlock



Image: A hand interacting with the indoor monitor, specifically touching the 'unlock' icon, to demonstrate the one-key unlock function for connected electronic locks.

Night Vision

The outdoor doorbell unit is equipped with IR camera and LED lights for clear night vision, ensuring visibility even in low-light conditions or complete darkness.

Day and Night



Image: A visual comparison demonstrating the doorbell camera's performance during the day (color image of a smiling person) and at night (monochrome image of a person attempting to pick a lock), highlighting its night vision capabilities.

Multiple Intercoms Conversation

If you have multiple indoor monitors, the system supports internal communication between them, allowing you to talk with family members in different rooms or floors.

Wire Diagram

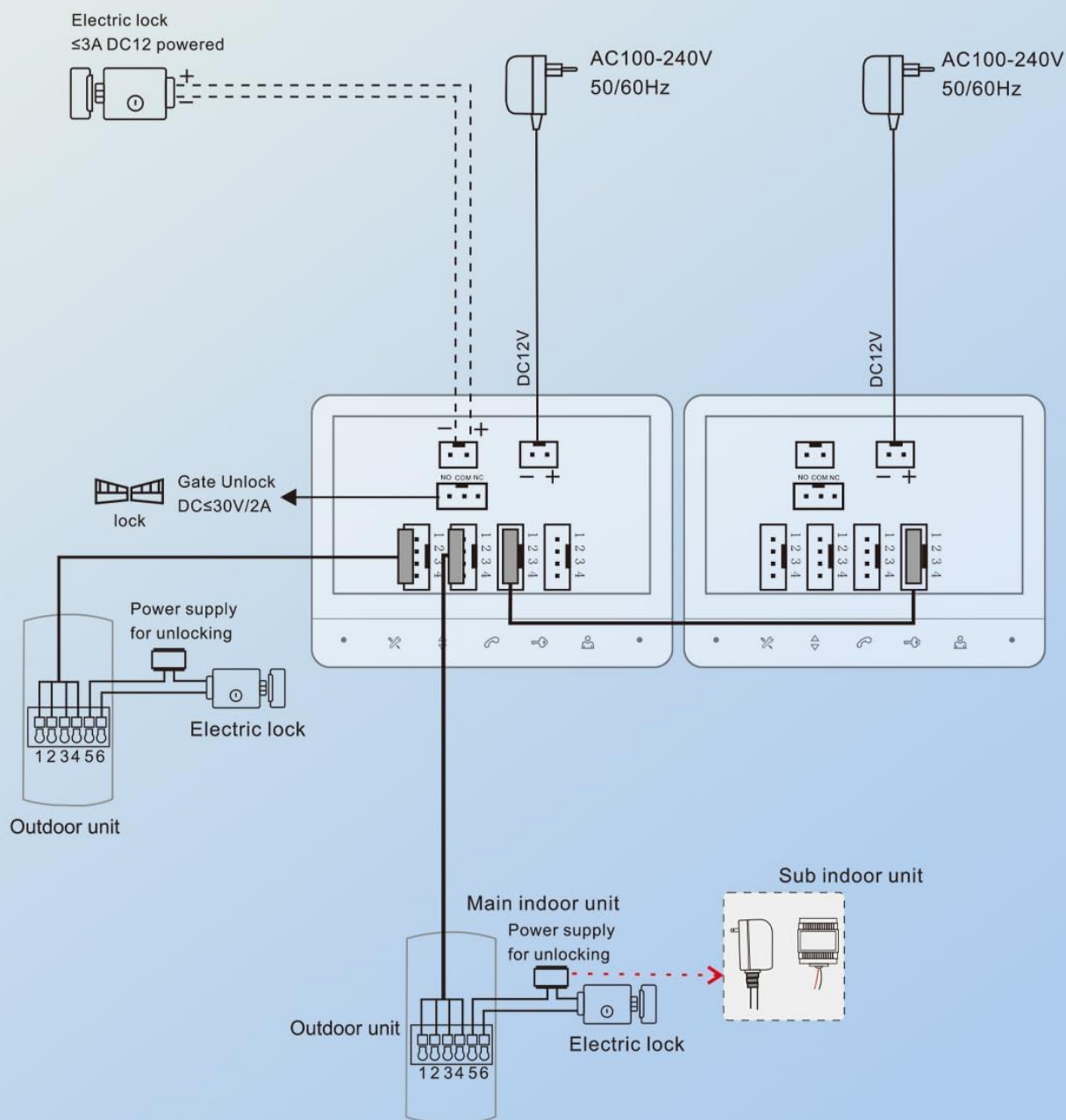


Image: An illustration depicting two individuals in different areas of a multi-level home communicating through their respective Tmezon intercom monitors, demonstrating the multiple intercoms conversation feature.

Ringtone Selection

The indoor monitor offers 16 different doorbell chimes. You can select your preferred chime and adjust the volume, brightness, and contrast settings to your liking.

16 Ringtones Color Your Life



Image: The Tmezon indoor monitor showing a live video feed, with musical notes floating around, symbolizing the availability of 16 different ringtones to personalize your system.

5. MAINTENANCE

To ensure the longevity and optimal performance of your Tmezon Video Intercom System, please follow these maintenance guidelines:

- **Cleaning:** Use a soft, dry cloth to clean the indoor monitors and outdoor unit. Avoid using abrasive cleaners or solvents that could damage the surfaces.
- **Outdoor Unit Protection:** Ensure the rain cover for the outdoor unit is always properly installed to protect it from rain and direct sunlight. While the unit is rainproof, prolonged exposure to harsh weather can affect its lifespan.
- **Wiring Inspection:** Periodically check all wiring connections to ensure they are secure and free from damage. Loose connections can lead to system malfunctions.
- **Software Updates:** Check the TMEZON official website for any available firmware or software updates for your model to ensure you have the latest features and security enhancements.

6. TROUBLESHOOTING

If you encounter any issues with your Tmezon Video Intercom System, please refer to the following common troubleshooting steps:

Problem	Possible Cause	Solution
No image or black screen on monitor	Loose power connection; Camera cable disconnected; Monitor power off.	Check all power connections. Ensure the camera cable is securely plugged into the monitor. Turn on the monitor.
No sound or distorted sound during intercom	Volume too low; Loose audio cable; Interference.	Adjust the volume on the monitor. Check audio cable connections. Ensure units are not too close during testing to avoid feedback.
Doorbell not ringing	Call button malfunction; Wiring issue; Monitor in 'Do Not Disturb' mode.	Test the call button. Verify doorbell wiring. Check monitor settings for 'Do Not Disturb' or mute functions.
Remote unlock not working	Electric lock not connected; Wiring issue with lock; Lock requires separate power.	Ensure the electric lock is properly connected to the outdoor unit. Check the wiring for the lock. Confirm the electric lock has its own power supply if required.
System makes noise during testing	Units are too close to each other.	Increase the distance between the indoor monitor and outdoor unit during testing.

If the problem persists after trying these solutions, please contact TMEZON customer support for further assistance.

7. SPECIFICATIONS

Feature	Detail
Brand	TMEZON
Model Number	MZ-V20*2
Color	2+1 (referring to 2 monitors + 1 camera)
Power Source	Power Adapter

Feature	Detail
Compatible Devices	Electronic Lock
Item Dimensions (L x W x H)	1 x 1 x 1 inches (Product dimensions)
Connectivity Technology	Wired (4-wire system)
Installation Type	Screw-In / Surface Mounting
Alert Type	Motion (implied by doorbell function)
Control Method	Touch
Maximum Range (Wiring)	100-200 meters (with extension wire)
Included Components	Camera, Monitors, Power Adapters, Mounting Hardware
Item Weight	3.16 pounds
Batteries Included?	No
Batteries Required?	No

8. WARRANTY AND SUPPORT

TMEZON is committed to providing high-quality security monitoring products. For specific warranty information regarding your Tmezon Wired Video Intercom System, please refer to the warranty card included in your product packaging or visit the official TMEZON website.

For technical support, troubleshooting assistance beyond this manual, or inquiries about replacement parts, please contact TMEZON customer service through their official channels. You can often find contact information on the TMEZON website or within your product documentation.

TMEZON products are designed with your privacy in mind, utilizing AES encryption and RSA/ECDHE algorithms for data security, ensuring your videos are kept private.

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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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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