

TMEZON MZ-R10+MZ-L10

TMEZON Solar Panel Wireless WiFi Video Doorbell Camera with 7-inch Monitor User Manual

Model: MZ-R10+MZ-L10

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your TMEZON Solar Panel Wireless WiFi Video Doorbell Camera system. Please read this manual thoroughly before use to ensure proper functionality and safety.

The system includes a wireless video doorbell camera with an integrated solar panel and a 7-inch touch screen monitor, designed for convenient home security and communication.

2. PRODUCT OVERVIEW

Key Features:

- **Wireless Installation:** No complex wiring required between the outdoor doorbell and indoor monitor.
- **High Definition Video:** 1080P resolution for clear video capture.
- **Dual-Band WiFi Support:** Compatible with 2.4G and 5G WiFi networks (2.4G recommended for doorbell connection).
- **PIR Motion Detection:** Detects motion up to 5 meters and sends real-time notifications.
- **Two-Way Audio:** Communicate with visitors via the monitor or smartphone app.
- **Solar Powered:** Outdoor unit features a solar panel for extended battery life.
- **7-inch Touch Screen Monitor:** Intuitive interface for system control, viewing, and playback.
- **Night Vision:** Captures clear images in low-light conditions.
- **Tuya App Integration:** Remote control and monitoring via the Tuya Smart app.
- **Electric Lock Connection:** Direct connection for gate or door lock control.

Components:

- Outdoor Doorbell Camera with Solar Panel
- 7-inch Indoor Touch Screen Monitor
- Mounting Accessories (screws, anchors)
- Power Adapter for Monitor
- User Manual (this document)

3. SETUP

3.1 Outdoor Doorbell Camera Installation

1. **Choose Location:** Select a location for the doorbell camera that provides a clear view of your entrance and receives adequate sunlight for the solar panel. Ensure it is within wireless range of the indoor monitor (up to 80 meters in open areas).
2. **Mounting:** Use the provided screws and anchors to securely mount the doorbell camera at an appropriate height (typically 1.2-1.5 meters from the ground).
3. **Solar Panel Positioning:** Adjust the solar panel to maximize sun exposure throughout the day.



Image: Outdoor doorbell camera with solar panel mounted on a wall, illustrating the solar charging feature.

3.2 Indoor Monitor Setup

1. **Power Connection:** Connect the indoor monitor to a power outlet using the provided power adapter.
2. **Placement:** Place the monitor in a central location within your home, ensuring good wireless signal reception from the outdoor doorbell.
3. **Initial Pairing:** The doorbell and monitor are typically pre-paired. If not, follow the on-screen instructions on the monitor to pair them.

Real-Wireless Video Door Phone

Intelligently and Remotely manage home security



Image: Illustration of the wireless connection between the outdoor doorbell and the indoor monitor.

3.3 Tuya App Connection

1. **Download App:** Download the "Tuya Smart" app from your smartphone's app store.
2. **Register/Login:** Create an account or log in to your existing Tuya Smart account.
3. **Add Device:** Follow the in-app instructions to add your TMEZON doorbell system. Ensure your smartphone is connected to a 2.4GHz WiFi network during the setup process.
4. **WiFi Selection:** When prompted, select your 2.4GHz WiFi network for the doorbell system.

4. OPERATING INSTRUCTIONS

4.1 Answering Calls

- When a visitor presses the doorbell, the indoor monitor will ring and display the live video feed.
- On the monitor, tap the "Answer" icon to initiate two-way audio communication.
- You will also receive a notification on your Tuya Smart app. Tap the notification to answer the call remotely.



Image: Illustration of two-way audio communication between a visitor at the doorbell and a user on the indoor monitor.

4.2 Motion Detection

- The built-in PIR sensor detects motion within approximately 5 meters of the doorbell.
- Upon detection, the system will send real-time notifications to your indoor monitor and the Tuya Smart app.
- You can view the recorded video clip of the motion event on both the monitor and the app.
- Adjust motion detection sensitivity settings via the monitor or Tuya app to minimize false alerts.



Image: A smartphone displaying a motion detection notification from the Tuya Smart app, with a person cycling past a house.

4.3 Video Recording and Playback

- The system supports local storage via a TF card (not included) inserted into the indoor monitor.
- Recordings are triggered by doorbell presses or motion detection events.
- To view recorded videos, access the playback function on the 7-inch monitor or through the Tuya Smart app.



Image: A person viewing recorded video footage on the 7-inch indoor monitor.

4.4 Remote Control via Tuya App

- The Tuya Smart app allows you to monitor your entrance, answer calls, and unlock connected electric locks from anywhere.
- Receive real-time alerts and access recorded footage directly on your smartphone.



Image: A person using a smartphone to remotely control a gate, illustrating the app's remote access capabilities.

4.5 Electric Lock Connection

- The doorbell camera can be directly connected to an electric lock for remote unlocking functionality.
- Refer to the wiring diagram provided in the installation guide for correct connection.
- Once connected, you can unlock the door/gate from the indoor monitor or the Tuya Smart app during a call.

HD 1080P Camera & Night Vision

It features night vision and can capture good images in low-light environments.



Image: Diagram showing how to connect an electric lock to the doorbell system.

5. MAINTENANCE

- **Solar Panel:** Regularly clean the surface of the solar panel to ensure maximum charging efficiency. Dust, dirt, or debris can reduce its performance.
- **Doorbell Camera:** Wipe the camera lens and surrounding area with a soft, damp cloth to remove dirt and smudges. Avoid abrasive cleaners.
- **Monitor:** Clean the touch screen with a microfiber cloth. Do not use harsh chemicals.
- **Battery:** The outdoor doorbell camera is equipped with a removable 5000mAh lithium battery. While the solar panel provides continuous charging, ensure the battery is fully charged before initial use. Monitor battery status via the app or indoor monitor.
- **Firmware Updates:** Check the Tuya Smart app periodically for firmware updates to ensure optimal performance and security.

6. TROUBLESHOOTING

Problem	Possible Cause	Solution
No video/audio from doorbell to monitor.	Out of wireless range, low battery, interference, or not paired.	Ensure monitor and doorbell are within range (max 80m in open areas). Check doorbell battery level; ensure solar panel is receiving sunlight. Reduce obstacles between units. Re-pair the doorbell and monitor if necessary (refer to Section 3.2).
No app notifications or remote access.	Incorrect WiFi connection, app settings, or internet issue.	Verify the doorbell is connected to a 2.4GHz WiFi network. Check your home internet connection. Ensure app notifications are enabled on your smartphone. Re-add the device to the Tuya Smart app if connection is lost.
Motion detection is too sensitive/not sensitive enough.	PIR sensitivity settings need adjustment.	Adjust the motion detection sensitivity settings in the indoor monitor's menu or via the Tuya Smart app.
Poor video quality.	Dirty lens, poor lighting, or weak signal.	Clean the camera lens. Ensure adequate lighting (night vision should activate in low light). Improve wireless signal strength by reducing distance or obstacles.

7. SPECIFICATIONS

Feature	Detail
Model Number	MZ-R10+MZ-L10
Brand	TMEZON
Power Source	Solar Powered (Outdoor Unit), AC Adapter (Indoor Monitor)
Outdoor Unit Battery	5000mAh Lithium Ion
Video Capture Resolution	1080p Full HD
Connectivity Technology	Wireless (2.4G/5G WiFi, 915MHz frequency)
Compatible Devices	Smartphone (via Tuya Smart App)
Control Method	App, Touch (Monitor)

Feature	Detail
Maximum Wireless Range	Up to 80 meters (open areas)
Motion Detection Range	Up to 5 meters (PIR sensor)
Installation Method	Screw-In
Monitor Size	7-inch Touch Screen

8. WARRANTY AND SUPPORT

8.1 Warranty Information

This TMEZON product comes with a One-Year Replacement Warranty from the date of purchase. This warranty covers manufacturing defects and malfunctions under normal use. It does not cover damage caused by misuse, accidents, unauthorized modifications, or improper installation.

To claim warranty service, please retain your proof of purchase and contact TMEZON customer support.

8.2 Customer Support

For technical assistance, troubleshooting, or warranty inquiries, please contact TMEZON customer support through the following channels:

- **Website:** Visit the official TMEZON website for support resources and contact information.
- **Email:** Refer to your product packaging or the TMEZON website for the customer support email address.

Please have your product model number (MZ-R10+MZ-L10) and purchase details ready when contacting support.