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MOUNTAINONE 816MJK

MOUNTAINONE Wired Video Doorbell System

Model: 816MJK

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your MOUNTAINONE Wired Video Doorbell System. Please read this manual thoroughly before installation and use to ensure proper functionality and safety. Keep this manual for future reference.

2. PRODUCT OVERVIEW

The MOUNTAINONE Wired Video Doorbell System is designed to enhance home security and convenience, allowing you to see, hear, and speak to visitors at your door. The system includes an indoor monitor and an outdoor doorbell unit.



Figure 2.1: The complete MOUNTAINONE Wired Video Doorbell System, showing the 7-inch indoor LCD monitor and the outdoor doorbell unit with keypad.

2.1 Key Features

- **7-inch Ultra-thin Indoor Monitor:** Features a sensitive touch screen for clear viewing and easy interaction.
- **Durable Outdoor Camera:** Constructed from durable ABS material, designed to be rain-resistant and oxidation-resistant. Includes IR-CUT for clear images.
- **Two-Way Intercommunication:** Allows clear audio communication between the indoor monitor and the outdoor unit.
- **Remote Unlock Function:** Conveniently unlock your door directly from the indoor monitor.
- **Infrared LED Night Vision:** Provides clear visibility even in low-light conditions or at night.
- **Adjustable Ringtones and Volume:** Choose from 25 types of door ringtones with adjustable volume, chrominance, and brightness.
- **Wide Application:** Suitable for villas, apartments, homes, hotels, offices, and public buildings.

2.2 Package Contents

Verify that all items listed below are included in your package:

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Package includes:



Figure 2.2: Included components in the product package. Ensure all parts are present before installation.

- Outdoor Doorbell Unit (x1)
- 7-inch Indoor Monitor (x1)
- Power Adapter (x1)
- Mounting Bracket for Indoor Monitor (x1)
- Mounting Screws and Wall Plugs (x1 set)
- Remote Control (x1)
- RFID Key Fobs (x5)
- Connection Cables (x1 set)
- User Manual (x1)

3. SPECIFICATIONS

Feature	Specification
Indoor Monitor Screen Size	7 inches

Feature	Specification
Connectivity Technology	Wired
Outdoor Unit Material	Metal Plastic (ABS)
Viewing Angle	92 degrees
Power Consumption	10 Watts
Video Recording Resolution	720p
Special Features	Motion Detector, Night Vision
Mounting Type	Wall Mount
Recommended Use	Indoor Security
Model Number	816MJK



Figure 3.1: Technical dimensions and component labels for the indoor monitor and outdoor unit.

4. INSTALLATION GUIDE

This section provides step-by-step instructions for installing your video doorbell system. Professional installation is recommended for electrical wiring. Ensure power is disconnected before beginning installation.

4.1 Safety Precautions

- Always disconnect power at the circuit breaker before installing or servicing any electrical components.
- Ensure all wiring complies with local electrical codes.
- Do not expose the indoor monitor to moisture or extreme temperatures.
- The outdoor unit is designed to be rain-resistant, but avoid direct high-pressure water jets.

4.2 Wiring Diagram

Refer to the following diagram for proper wiring connections between the indoor monitor, outdoor unit, and electronic lock (if applicable).

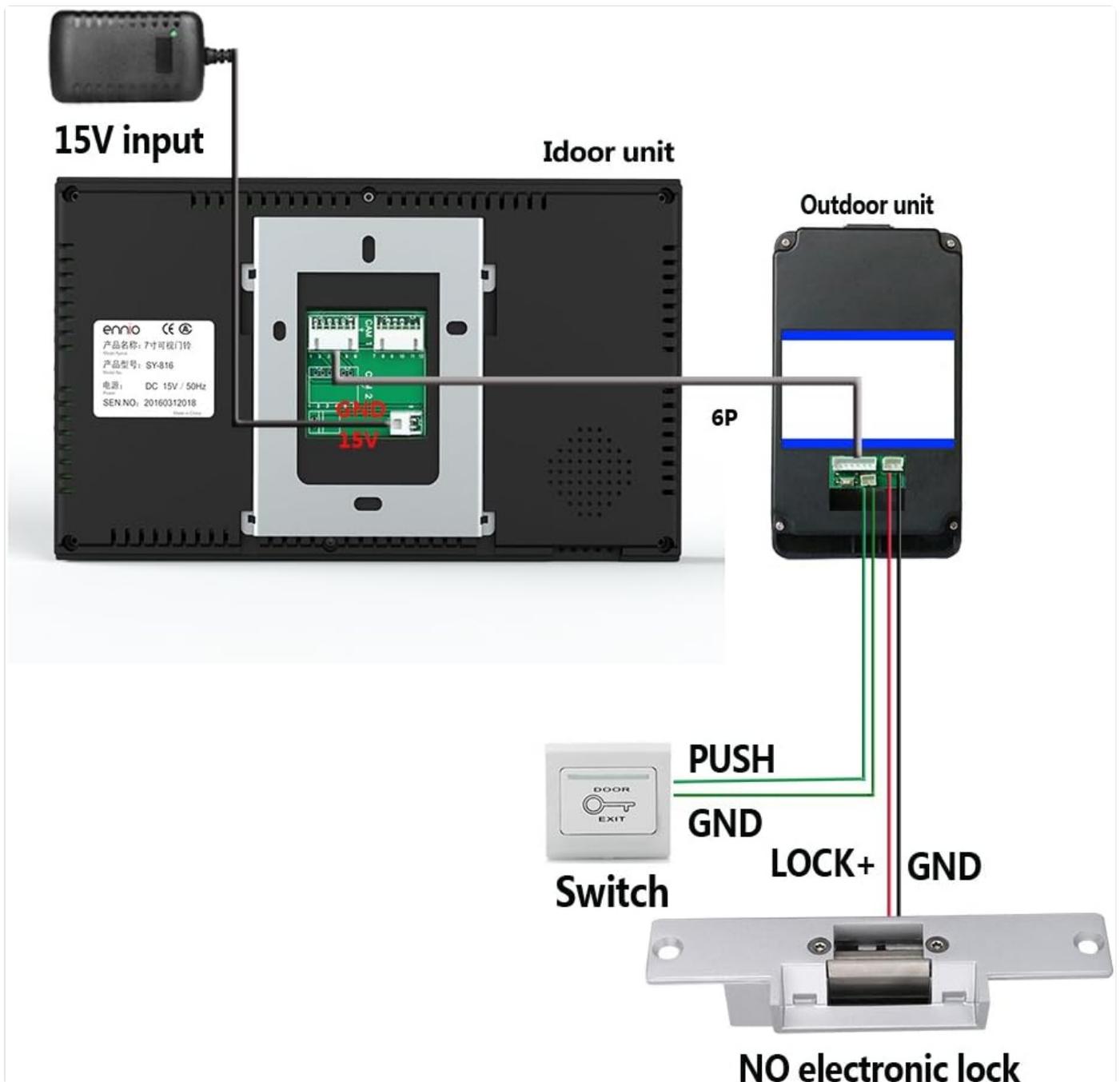


Figure 4.1: System wiring diagram for connecting the indoor monitor, outdoor unit, and an optional electronic lock.

Key Connections:

- Connect the 15V power adapter to the indoor unit.
- Connect the outdoor unit to the indoor unit using the provided multi-core cable.
- For electronic lock integration, connect the "LOCK+" and "GND" terminals from the indoor unit to your electronic lock.
- An optional "PUSH" button (exit switch) can be connected to the "PUSH" and "GND" terminals for internal door release.

4.3 Mounting the Units

1. Outdoor Unit:

- Choose a suitable location near your door, typically at eye level (approx. 1.5 meters / 5 feet from the ground).
- Ensure the location provides a clear view of visitors and is protected from direct, heavy rainfall.
- Use the mounting bracket as a template to mark drilling points on the wall.
- Drill holes, insert wall plugs, and secure the bracket with screws.
- Connect the wiring to the outdoor unit before mounting it onto the bracket.
- Secure the outdoor unit to the bracket.



Figure 4.2: Outdoor unit mounted on a wall, demonstrating its weather resistance.

2. Indoor Monitor:

- Select a convenient indoor location, such as a hallway or living room, where the monitor is easily accessible.
- Mount the indoor monitor bracket to the wall using screws and wall plugs.
- Connect all necessary cables (power, outdoor unit, lock control) to the back of the indoor monitor.
- Carefully attach the indoor monitor to its wall bracket.

5. OPERATION

This section details how to use the various functions of your MOUNTAINONE Video Doorbell System.

5.1 Basic Functions

- **Answering a Call:** When a visitor presses the call button on the outdoor unit, the indoor monitor will ring. Press the **Answer** button on the monitor to establish two-way communication.
- **Monitoring:** To view the outdoor area without a visitor pressing the doorbell, press the **Monitor** button on the indoor unit.

- **Unlocking the Door:** During a call or while monitoring, press the **Unlock** button on the indoor monitor to remotely open the connected electronic lock.
- **Intercommunication:** If you have multiple indoor monitors, you can use the **Intercom** button to communicate between different indoor units.

5.2 Adjusting Settings

The indoor monitor allows you to customize several settings:

- **Ringtone Selection:** Access the menu to choose from 25 different ringtones.
- **Volume Adjustment:** Adjust the ringtone volume and communication volume using the dedicated buttons or menu options.
- **Display Settings:** Adjust the brightness and chrominance (color saturation) of the monitor display for optimal viewing.

Volume Adjustable

The doorbell monitor built-in 25 ringtones,
the volume adjustable.



Figure 5.1: The indoor monitor features adjustable volume and a selection of 25 ringtones.

5.3 Using RFID Key Fobs and Remote Control

The outdoor unit supports unlocking via RFID key fobs and a remote control for convenient access.

- **RFID Key Fobs:** Present an authorized RFID key fob to the card reader area on the outdoor unit to unlock the door.

- **Remote Control:** Use the provided remote control to unlock the door from a short distance. Ensure the remote control is paired with the system according to the pairing instructions in the full user manual (if applicable).

6. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your video doorbell system.

- **Cleaning:**
 - Wipe the indoor monitor screen and outdoor unit lens with a soft, dry, lint-free cloth.
 - For stubborn smudges, slightly dampen the cloth with water. Do not use abrasive cleaners, solvents, or chemical sprays.
- **Outdoor Unit Care:**
 - Periodically check the outdoor unit for any debris or obstructions around the camera lens, microphone, or speaker.
 - Ensure the weather-resistant cover is intact and free from damage.
- **Wiring Inspection:**
 - Occasionally inspect visible wiring for any signs of wear, damage, or loose connections.

7. TROUBLESHOOTING

If you encounter issues with your video doorbell system, refer to the following common problems and their solutions.

Problem	Solution
No image on indoor monitor.	<ul style="list-style-type: none"> • Ensure the power adapter is securely connected and the indoor monitor is receiving power. • Check the connection cable between the indoor and outdoor units for damage or loose connections. • Verify the outdoor camera lens is clean and unobstructed.
No sound or poor audio quality.	<ul style="list-style-type: none"> • Check the volume settings on the indoor monitor. • Ensure the microphone and speaker on both units are not obstructed. • Inspect the wiring for proper connection and integrity.
Door does not unlock.	<ul style="list-style-type: none"> • Verify the electronic lock is properly connected to the indoor monitor and receiving power. • Ensure the unlock button on the monitor is functioning correctly. • Check if the RFID key fob or remote control is authorized and functioning.
Outdoor unit not responding.	<ul style="list-style-type: none"> • Check the power supply to the indoor monitor, as it powers the outdoor unit. • Inspect the connection cable between the indoor and outdoor units for any breaks or disconnections.

8. WARRANTY AND SUPPORT

MOUNTAINONE products are manufactured with high-quality standards. For warranty information and technical support, please refer to the warranty card included in your package or contact your retailer.

For further assistance, you may visit the official MOUNTAINONE website or contact their customer service department. Please have your model number (816MJK) and purchase details ready when seeking support.

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