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AMOCAM 660-70W-4

AMOCAM 660-70W-4 Apartment Intercom System User Manual

Model: 660-70W-4

Important Information:

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1. Overview

The AMOCAM 660-70W-4 Apartment Intercom System is a wired video door phone kit designed for multi-unit dwellings. This system supports 1 outdoor camera and up to 4 indoor monitors, enabling residents to see, speak with, and grant access to visitors. The system utilizes Ethernet cable connections for enhanced convenience and simplified installation.

1.1 Key Features

- **Ethernet Cable Connection:** Simplifies wiring between the outdoor camera and indoor monitors.
- **Single Power Supply:** Only the outdoor camera requires a direct power connection; indoor monitors receive power via the Ethernet network.
- **Video and Audio Communication:** Allows two-way communication with visitors at the outdoor unit.
- **Multiple Unlock Methods:** Supports unlocking via RFID keyfobs or the 'unlock' button on the indoor monitor.
- **7-inch LCD Touch Monitor:** Features a responsive touch-key design with 24 selectable ringtones, hands-free intercom, and monitoring capabilities.
- **Durable Outdoor Unit:** Constructed with a full aluminum front panel for vandalism protection and IP54 waterproofing.
- **IR Night Vision:** CMOS camera provides clear visibility even in low-light conditions.

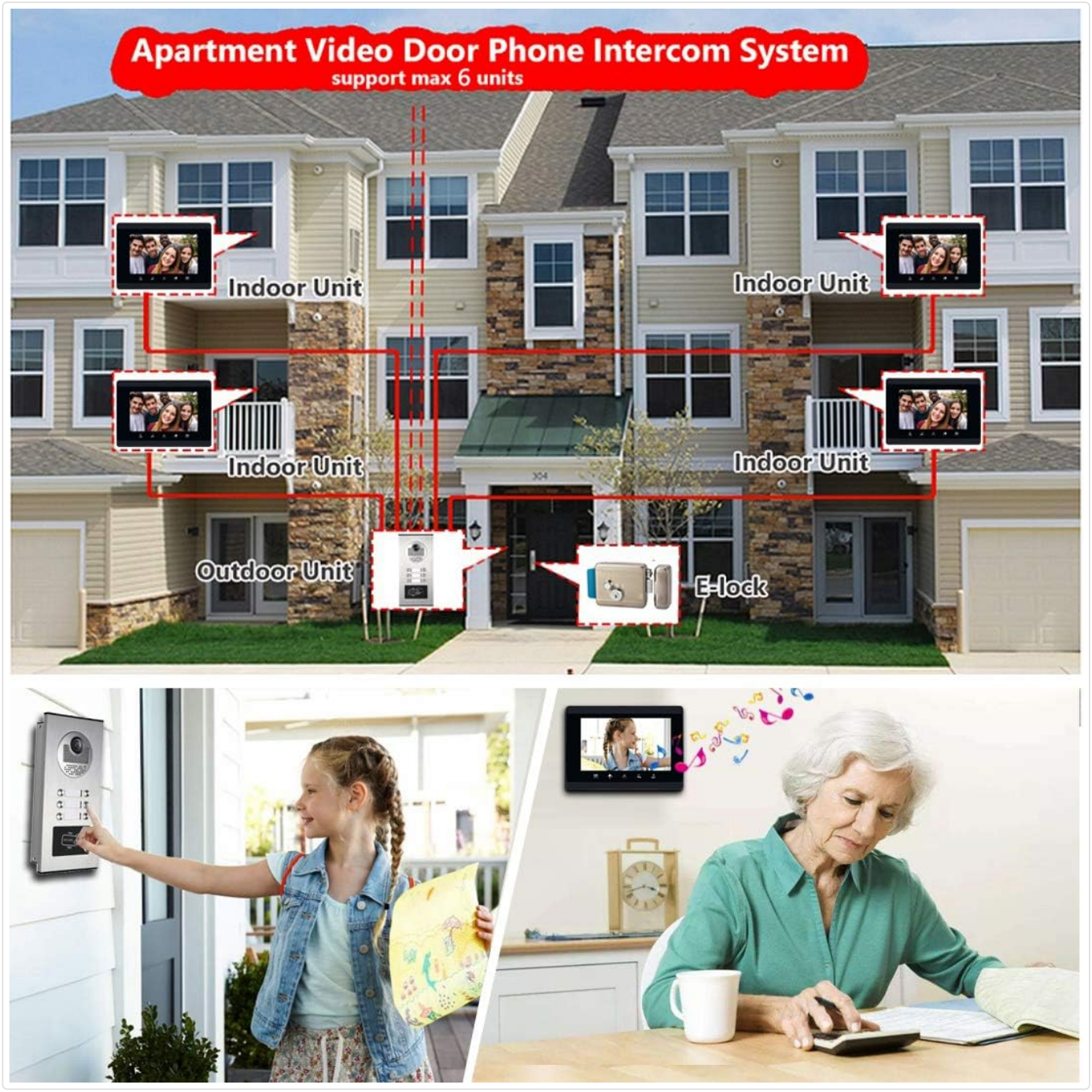


Figure 1.1: Overview of the AMOCAM Apartment Intercom System setup, showing outdoor and indoor units connected within an apartment building.

2. Setup

Proper installation is crucial for optimal performance. This section outlines the steps for setting up your AMOCAM intercom system.

2.1 Package Contents

Before beginning installation, verify that all components are present:



Figure 2.1: Typical package contents including indoor unit(s), outdoor unit, user manual, screws, power adaptor, RFID keyfobs, test network cable, and indoor unit hanging board.

2.2 Wiring Diagram

The system uses Ethernet cables for connection between the outdoor unit and indoor monitors. The outdoor unit requires a 15V DC power supply, which also powers the connected indoor units through the network cables. An electric control lock can be integrated for door access.

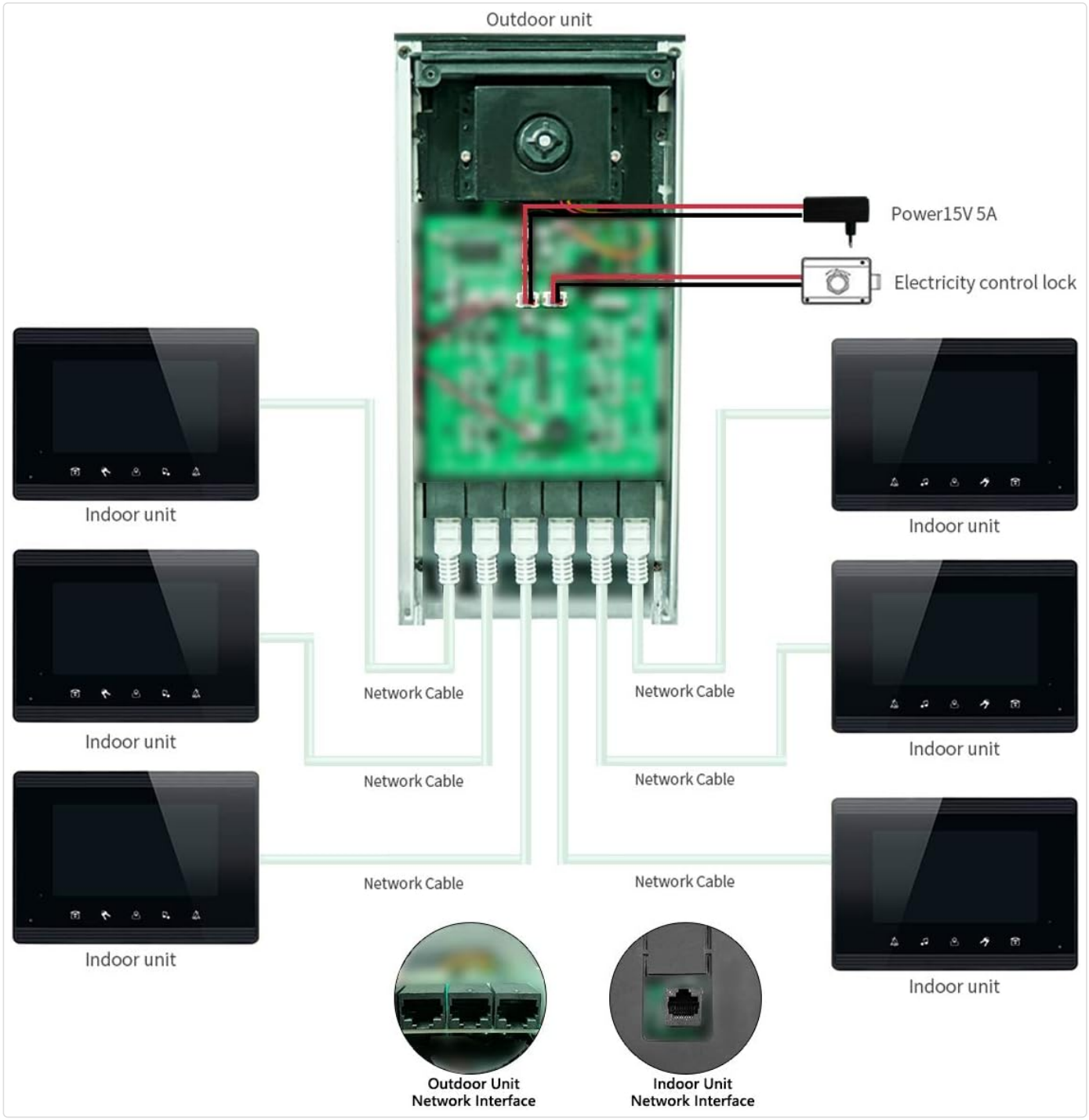


Figure 2.2: Detailed wiring diagram showing connections for the outdoor unit, indoor units, power supply, and electric control lock using network cables.

2.3 Connection Steps

1. **Prepare the Outdoor Unit:** Remove the back panel of the outdoor unit to access the wiring terminals and Ethernet ports.
2. **Connect Network Cables:** Connect one end of the Ethernet cables to the network interfaces on the outdoor unit.
3. **Connect Power:** Connect the 15V DC power adapter to the outdoor unit.
4. **Connect Indoor Monitors:** Connect the other end of the Ethernet cables from the outdoor unit to the network interfaces on the back of each indoor monitor.
5. **Secure Units:** Mount the outdoor unit and indoor monitors in their desired locations using the provided hardware.

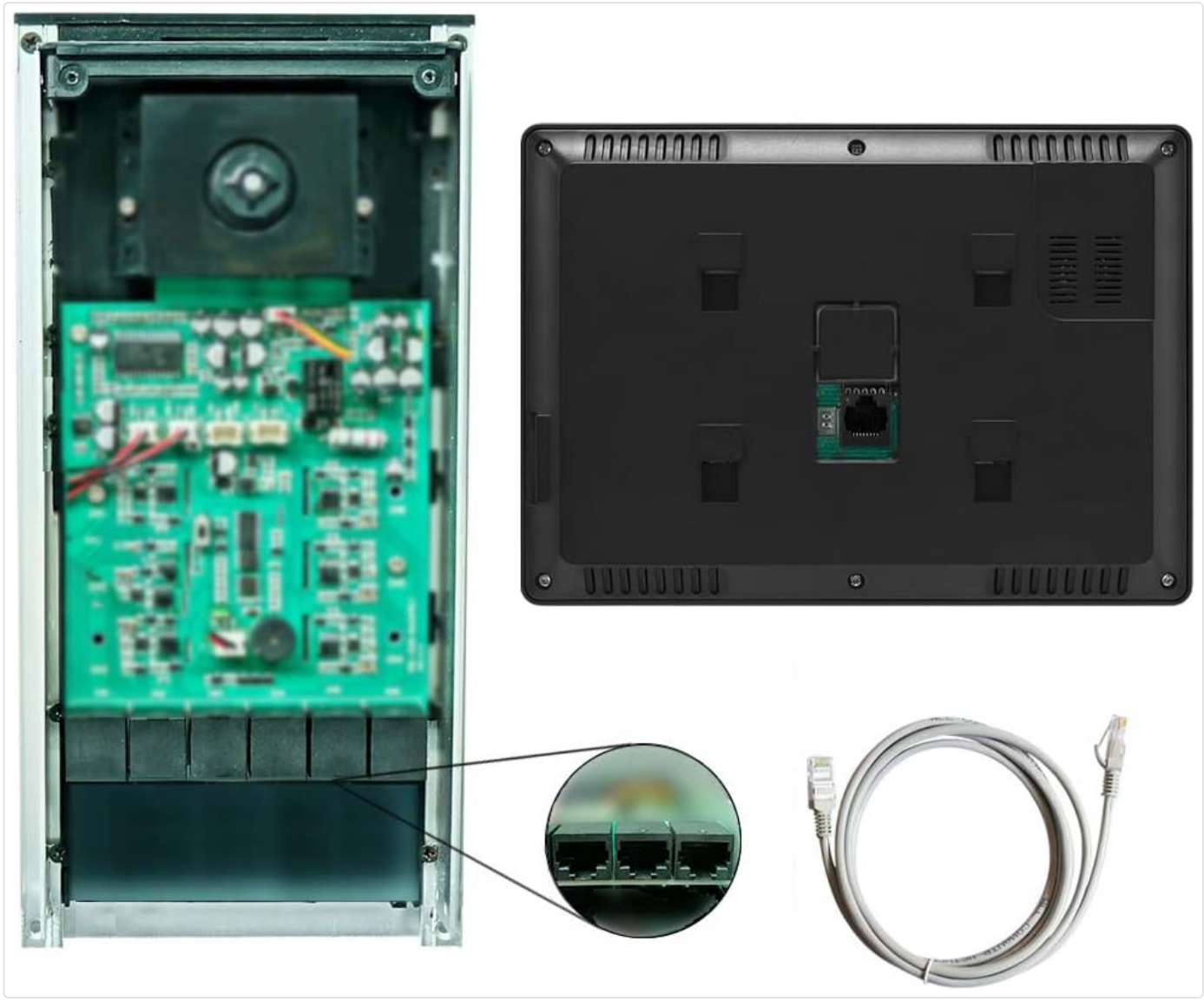


Figure 2.3: Internal view of the outdoor unit, highlighting the Ethernet ports for connecting to indoor monitors.

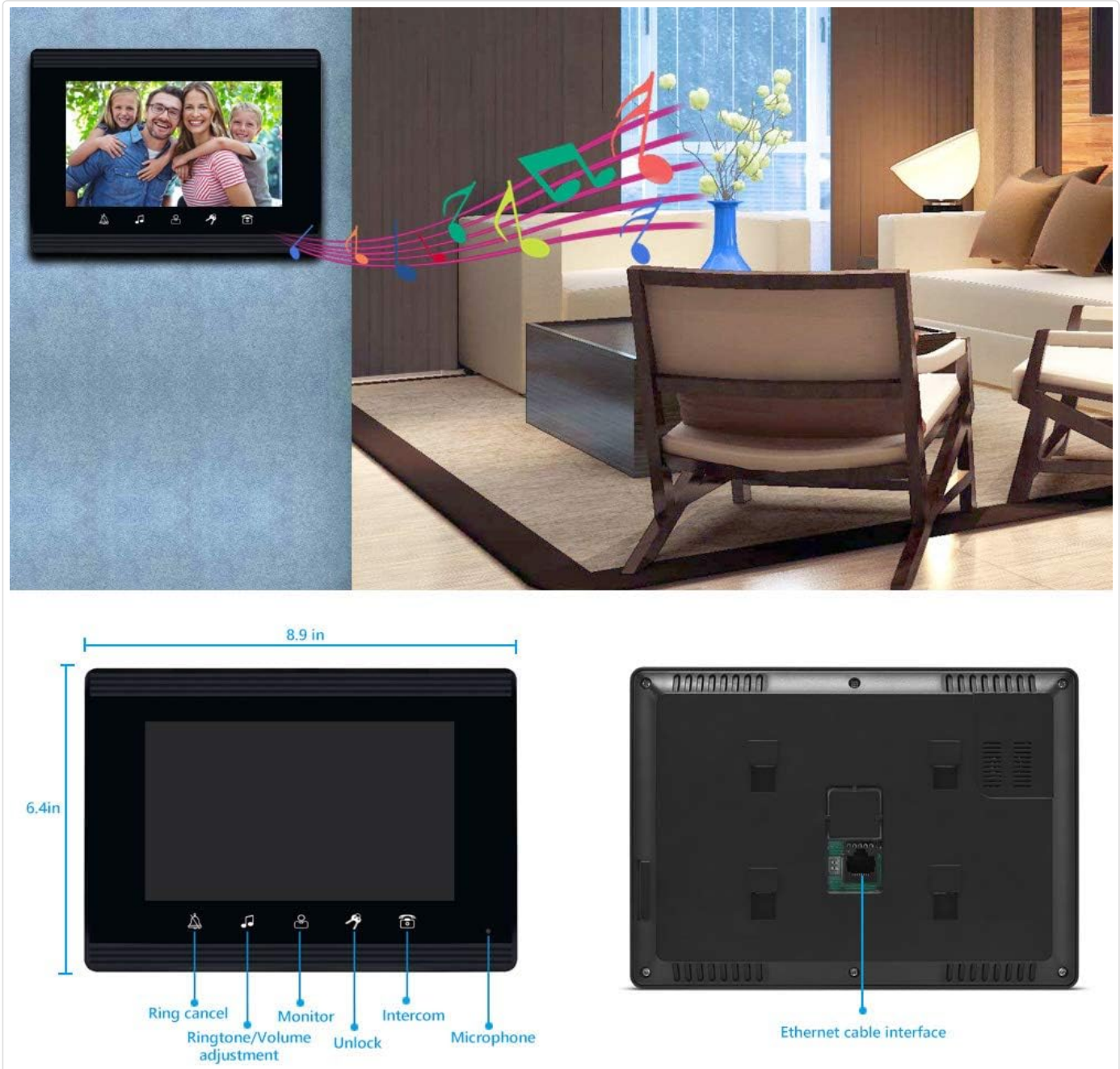


Figure 2.4: Front and back view of the 7-inch indoor monitor, showing the touch keys and the Ethernet cable interface on the rear.

2.4 Installation Video Guide

For a visual guide on the installation process, please refer to the official product video below:

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Video 2.1: This video demonstrates the physical setup and connection of the AMOCAM 660 Series Apartment Intercom System components, including the outdoor unit, indoor monitors, and wiring.

3. Operating Instructions

This section details how to use your AMOCAM intercom system for daily operations.

3.1 Answering a Call

1. When a visitor presses the call button on the outdoor unit, the indoor monitor(s) will ring and display the visitor's image.

2. Press the **Answer** button (typically a phone icon) on the indoor monitor to establish two-way audio and video communication.

3.2 Unlocking the Door

There are two primary methods to unlock an electric control lock connected to the system:

- **Using the Indoor Monitor:** During a call or while monitoring, press the**Unlock** button (typically a key icon) on the 7-inch monitor.
- **Using RFID Keyfobs:** Present a registered RFID keyfob to the RFID card reader area on the outdoor unit. The door will unlock momentarily. The system includes 5 ID keyfobs (2 for management, 3 for users).



Figure 3.1: Demonstrates using an RFID keyfob to unlock the door at the outdoor unit and the touch-key interface of the indoor monitor.



Figure 3.2: A set of RFID keyfobs used for secure access control with the intercom system.

3.3 Monitor Functions

The 7-inch LCD touch monitor provides several functions:

- **Active Monitoring:** Press the **Monitor** button to view the outdoor camera feed at any time.
- **Ringtone Selection:** Choose from 24 different ringtones.
- **Volume Adjustment:** Adjust the volume of the ringtone and communication audio.
- **Hands-Free Intercom:** Communicate with visitors without needing to hold the monitor.

4. Maintenance

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

4.1 Cleaning

- **Indoor Monitors:** Use a soft, dry, lint-free cloth to clean the screen and body. Avoid abrasive cleaners or solvents.
- **Outdoor Unit:** The outdoor unit is designed to be weather-resistant (IP54). Wipe the aluminum front panel and camera lens with a damp cloth to remove dirt and debris. Ensure no water enters the speaker or microphone openings.

4.2 Environmental Considerations

- Ensure the outdoor unit is installed in a location that minimizes direct exposure to extreme weather conditions, despite its waterproofing.
- Avoid placing indoor monitors near heat sources or in direct sunlight, which can affect screen performance and lifespan.



Figure 4.1: Illustrates the outdoor unit's appearance in both day and night conditions, highlighting its robust design and IR night vision capabilities.

5. Troubleshooting

If you encounter issues with your AMOCAM intercom system, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
No image or sound on indoor monitor.	Loose cable connection, no power to outdoor unit, faulty unit.	Check all Ethernet cable connections. Ensure the outdoor unit's power adapter is securely plugged in and receiving power. If issues persist, contact support.
Door unlock function not working.	Incorrect wiring to electric lock, unregistered keyfob, faulty lock/unit.	Verify electric lock wiring according to the diagram. Ensure keyfobs are properly registered. Test the unlock button on the monitor.

Problem	Possible Cause	Solution
Poor video quality or night vision.	Dirty camera lens, insufficient lighting, camera malfunction.	Clean the outdoor camera lens. Ensure adequate ambient light for optimal night vision.
Indoor monitor not ringing.	Ringtone volume too low, monitor muted, faulty unit.	Check ringtone volume settings on the monitor. Ensure the monitor is not muted.

6. Specifications

Detailed technical specifications for the AMOCAM 660-70W-4 Intercom System:

- **Brand:** AMOCAM
- **Model Number:** 660-70W-4
- **Connectivity Technology:** Wired (Ethernet)
- **Special Feature:** HD Resolution
- **Power Source:** Outdoor unit (15V DC adapter), Indoor units powered via Ethernet
- **Controller Type:** Ring
- **Mount Type:** Wall Mount
- **Material:** Acrylonitrile Butadiene Styrene (ABS), Aluminum
- **Waterproof Rating:** IP54
- **Video Capture Resolution:** 720p
- **Photo Sensor Technology:** CMOS
- **Night Vision:** Night Color
- **Indoor Monitor Size:** 7 inches LCD
- **Number of Monitors:** 4 (in this configuration)
- **Unlock Methods:** RFID Keyfobs, Monitor Unlock Button

7. Warranty & Support

AMOCAM is committed to providing quality products and customer satisfaction. For any questions, technical assistance, or warranty claims, please contact AMOCAM customer support.

7.1 Customer Support

For support inquiries, please refer to the contact information provided with your product packaging or visit the official AMOCAM website. AMOCAM offers after-sales support and services to customers worldwide.

7.2 Privacy and Security

AMOCAM prioritizes privacy and security, ensuring your data is protected. Locally stored recordings help maintain your privacy.

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