

## Aiphone JK-1DM

# Aiphone JK-1MD Master Monitor Station User Manual

Model: JK-1DM

## INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of the Aiphone JK-1MD Master Monitor Station. The JK-1MD is a key component of the Aiphone JK Series, designed for reliable security and communication within your premises. Please read this manual thoroughly before using the device to ensure proper functionality and safety.

## PRODUCT OVERVIEW



Figure 1: Aiphone JK-1MD Master Monitor Station. This image displays the front panel of the monitor station, highlighting its 3-1/2 direct-view TFT color LCD screen and the various control buttons for call, zoom/wide, adjust, monitor, talk, and off functions.

The Aiphone JK-1MD Master Monitor Station features a 3-1/2 direct-view TFT color LCD for clear video

monitoring. It supports both automatic (hands-free) and manual (push-to-talk/release-to-listen) communication modes. The unit also includes door release capabilities and night viewing functionality with white LED projection.

## SETUP AND INSTALLATION

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### Power Source

The JK-1MD requires an 18VDC power source. Use the PS-1820UL power supply unit for proper operation.

### Dimensions

The physical dimensions of the unit are approximately 7-5/16" (H) x 5-5/16" (W) x 1-1/16" (D) (185 x 135 x 27 mm).

### Wiring

- **Door to Master:** Use 2-conductor, mid-capacitance, solid, non-shielded wire.
- **Master to Sub:** Use 4-conductor, mid-capacitance, solid, non-shielded wire.

### Recommended Wire Types

- **Master to Door:** Aiphone #871802
- **Between Masters/Sub:** Aiphone #871804

### Wiring Distances

- **Door to Farthest Master/Sub Master:**
  - 165 feet (22AWG)
  - 330 feet (18AWG)
- **Master to IER-2:**
  - 245 feet (22AWG)
  - 490 feet (18AWG)

## OPERATING INSTRUCTIONS

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### Communication Modes

- **Automatic (Hands-free):** To activate, momentarily push the TALK button.
- **Manual (Push-to-talk/Release-to-listen):** To activate, push the TALK button for 1 second or until the talk LED illuminates.

### Door Release

The door release contact rating is 24V AC/DC, 500mA. For larger contact ratings, use the RY-18L.

### Night Viewing

The unit provides night viewing capabilities up to 1-5/8" from the camera, utilizing a white LED projection. Note that the background beyond 1-5/8" may not be visible.

## MAINTENANCE

To ensure optimal performance and longevity of your Aiphone JK-1MD Master Monitor Station, follow these general maintenance guidelines:

- Keep the unit clean by wiping it with a soft, dry cloth. Avoid using abrasive cleaners or solvents.
- Ensure all wiring connections remain secure and free from damage.
- Protect the unit from extreme temperatures and direct moisture.
- Regularly check the camera lens for any obstructions or dirt that might impair night viewing or image clarity.

## TROUBLESHOOTING

If you encounter issues with your Aiphone JK-1MD Master Monitor Station, consider the following basic troubleshooting steps:

- **No Power:** Verify that the PS-1820UL power supply is correctly connected and receiving power. Check all power connections.
- **No Video/Poor Image:** Ensure the camera lens is clean and unobstructed. Check wiring connections between the door station and the master monitor.
- **No Audio/Poor Audio:** Confirm that the TALK button is being used correctly for the desired communication mode. Check audio wiring connections.
- **Door Release Not Functioning:** Verify the wiring to the door release mechanism and ensure the RY-18L (if used) is properly installed and functioning. Check the contact rating.

For persistent issues, refer to the detailed troubleshooting section in the full product manual or contact Aiphone customer support.

## SPECIFICATIONS

Feature	Detail
Model	JK-1DM
Dimensions (HxWxD)	7-5/16" x 5-5/16" x 1-1/16" (185 x 135 x 27 mm)
Power Source	18VDC (Use PS-1820UL)
Video Monitor	3-1/2" direct-view TFT color LCD
Communication	Automatic (hands-free) / Manual (push-to-talk/release-to-listen)
Door Release Contact Rating	24V AC/DC, 500mA (Use RY-18L for larger rating)
Night Viewing	Up to 1-5/8" from camera with white LED projection
Operating Temperature	32°F ~ 104°F (0°C ~ 40°C)
Weight	2.0000 lbs

## WARRANTY AND SUPPORT






The Aiphone JK-1MD Master Monitor Station comes with a **1 Year Warranty** from the date of purchase.

For warranty claims, technical support, or service inquiries, please contact Aiphone customer service or visit their official website. Keep your proof of purchase for warranty validation.

For additional resources and detailed product information, please visit the official Aiphone website:  
[www.aiphone.com](http://www.aiphone.com)

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Related Documents - JK-1DM

	<p><a href="#">Aiphone JK-1MD Hands-Free Color Video Intercom Installation and Operation Manual</a></p> <p>This manual provides installation and operation instructions for the Aiphone JK-1MD Hands-Free Color Video Intercom Master Monitor Station. It covers mounting, wiring, operation modes, and technical specifications.</p>
	<p><a href="#">JIKONG BMS: Advanced Battery Management Systems - Models, Specs, and Features</a></p> <p>Explore the comprehensive range of JIKONG Battery Management Systems (BMS) including JK-BD, JK-B1, JK-B2, and JK-BD6A series. This document details specifications, features like active balancing, superior heat dissipation, communication protocols, installation guides, and diverse application scenarios for lithium battery systems.</p>
	<p><a href="#">JIKONG Lithium Battery Smart Protection Board Specification and Operation Manual</a></p> <p>Comprehensive specification and operation manual for JIKONG lithium battery smart protection boards, covering technical parameters, interface descriptions, installation, operation, safety measures, and APP control. Includes warranty and copyright information.</p>
	<p><a href="#">Rough Country 921TC73260 Tailgate Protector Installation Guide for Jeep JK</a></p> <p>Detailed installation instructions and product information for the Rough Country 921TC73260 Tailgate Protector, designed for 2007-2018 Jeep Wrangler JK models. Includes warnings, warranty, and care tips.</p>
	<p><a href="#">Chengdu Jikong Smart BMS with Active-Balancer Specification and Operation Manual</a></p> <p>This document details the specifications, operation, and warranty for Chengdu Jikong Technology Co., Ltd's Smart BMS with Active-Balancer series, including models JK-BD6AxxS, JK-B1AxxS, and JK-B2AxxS.</p>

Smart BMS with Active Balancer

JK-BD6AxxS 4P / JK-BD6AxxS 5P  
JK-BD6AxxS 10P / JK-BD6AxxS 15P  
JK-BD6AxxS 20P / JK-B1AxxS 15P  
JK-B2AxxS 15P / JK-B2AxxS 20P

Operation and Operation Manual

Chengdu Jikong Technology Co., Ltd.

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[Smart BMS with Active-Balancer Maintenance Instruction and Operation Manual](#)

Detailed maintenance instructions and operation manual for Chengdu Jikong Technology's Smart BMS with Active-Balancer. Covers technical specifications, installation, usage, safety, and troubleshooting for various JK-BD6AxxS, JK-B1AxxS, and JK-B2AxxS series models.