

Aiphone AX-8M

Aiphone AX-8M Audio-Only Master Station User Manual

Model: AX-8M

1. PRODUCT OVERVIEW

The Aiphone AX-8M is an audio-only master station designed for integration into the AX Series security system. This unit facilitates communication within a building by connecting to other master stations, door stations, and sub-master stations. It serves as a central point for managing visitor access and internal communication, offering features such as remote door release, direct calling, and privacy functions.

2. KEY FEATURES

- Audio-only master station for AX Series, connecting to up to seven additional master stations and up to eight door or sub-master stations to create a comprehensive security system.
- Expandable communication system with the Aiphone AX-16SW (sold separately) to include up to 112 additional sub-master or door stations.
- Equipped with a door-release button to control an electric strike or magnetic lock (sold separately), enabling remote unlocking of entrances for visitors.
- Features labeled buttons for each master, sub-master, and door station, allowing for selectable and direct calling.
- Includes an all-call button for broadcasting messages to every master station connected in the system.
- Privacy button to prevent other intercom users from overhearing conversations.
- Adjustable call tone volume.
- 3.5-mm jack for connecting a headset, handset, or speaker (sold separately).
- Option for footswitch attachment for hands-free operation (footswitch sold separately).

3. PACKAGE CONTENTS

Upon unpacking your Aiphone AX-8M Audio-Only Master Station, please verify that all the following components are included:

- Aiphone AX-8M master station

- Metal mounting bracket
- Flip stand

4. SETUP AND INSTALLATION



Figure 1: Front view of the Aiphone AX-8M Master Station. This image displays the front panel of the Aiphone AX-8M Audio-Only Master Station. It features two columns of call indicator lights and buttons on the left and right sides, a central speaker grille, and a control panel at the bottom. The control panel includes buttons for 'PRIVACY', 'CO TRANSFER', 'SCAN MONITOR', 'OFF', 'ALL CALL', and a large 'TALK' button with an associated volume control. An 'OCCUPIED' indicator light is visible on the lower left.

The Aiphone AX-8M master station is designed for flexible installation, supporting both desk mounting and wall-mounting. It requires connection to an Aiphone central exchange unit (sold separately) for power and system integration.

4.1. Power and Wiring

- **Power Source:** The unit is powered by a 24V supply from the Aiphone central exchange unit (CEU). Ensure the CEU is properly installed and powered before connecting the AX-8M.
- **Wiring Connection:** Use Cat-5e homerun wiring to connect the AX-8M to the CEU via its RJ45 jack. Ensure all

connections are secure and follow the system's wiring diagram.

4.2. Mounting Options

- **Desk Mounting:** Utilize the included flip stand for convenient placement on a desk or flat surface.
- **Wall Mounting:** Use the provided metal mounting bracket to secure the unit to a two-gang box or ring on a wall. Ensure the mounting surface is stable and can support the unit's weight.

4.3. System Expansion

- The AX-8M can connect to up to seven additional master stations and up to eight door or sub-master stations.
- For larger systems, up to seven Aiphone AX-16SW selectors (sold separately) can be integrated to connect a total of 112 additional sub-master or door stations.
- Optional accessories such as headsets, handsets, speakers (via 3.5-mm jack), footswitches, and Viking K-1900-5 callswitches (for landline calls) can be connected as needed.

5. OPERATING INSTRUCTIONS

This section details the primary functions and operations of the Aiphone AX-8M master station.

5.1. Making and Answering Calls

- **Direct Calling:** Each connected master, sub-master, and door station has a dedicated labeled button on the AX-8M. Press the corresponding button to initiate a direct call to that station. An LED indicator will illuminate to show the calling status.
- **Answering Calls:** When a call is received, you can answer by either:
 - Holding down the 'TALK' button for push-to-talk communication.
 - Tapping the 'TALK' button for hands-free communication with the caller.
- **Call Tone Volume:** The volume of the incoming call tone can be adjusted using the volume control dial located near the 'TALK' button.

5.2. System Functions

- **Door Release:** Press the 'DOOR RELEASE' button (if connected to an electric strike or magnetic lock) to remotely unlock the entrance for a visitor.
- **All-Call Broadcast:** Press the 'ALL CALL' button to broadcast an announcement to all master stations connected within the system.
- **Privacy Mode:** Activate the 'PRIVACY' button to prevent other intercom users in the system from overhearing your conversation with another intercom station.
- **CO Transfer:** Use the 'CO TRANSFER' button for transferring calls to a central office or external line, if configured with a Viking K-1900-5 callswitch.
- **Scan Monitor:** The 'SCAN MONITOR' button allows for monitoring of various stations in a sequential manner.
- **OFF Button:** Press the 'OFF' button to terminate a call or exit a function.

6. MAINTENANCE

The Aiphone AX-8M master station is designed for durability and requires minimal maintenance. To ensure optimal performance and longevity:

- **Cleaning:** Regularly wipe the unit's black ABS plastic housing with a soft, dry cloth. Avoid using abrasive cleaners,

solvents, or strong chemicals, as these can damage the finish and internal components.

- **Environmental Conditions:** Ensure the unit is operated within its specified environmental conditions (temperature, humidity) to prevent malfunction. Avoid exposing the unit to excessive moisture or direct sunlight.
- **Connections:** Periodically check all wiring connections (RJ45 jack) to ensure they are secure and free from corrosion or damage.

7. TROUBLESHOOTING

This section provides solutions to common issues you may encounter with your Aiphone AX-8M master station. If the problem persists after attempting these solutions, please contact Aiphone technical support.

Problem	Possible Cause	Solution
No power to the unit.	Central Exchange Unit (CEU) is off or not supplying power; faulty wiring.	Verify the CEU is powered on and functioning correctly. Check the Cat-5e wiring connection to the AX-8M's RJ45 jack for secure fit and integrity.
Cannot hear audio or audio is distorted.	Volume too low; faulty speaker/microphone; wiring issue.	Adjust the call tone volume. Ensure the 3.5-mm jack is not occupied by a faulty accessory. Check wiring connections to the CEU and other stations.
Buttons are unresponsive or intermittently working.	Internal component wear; debris under button.	Ensure buttons are pressed firmly. If a specific button consistently fails, professional servicing may be required. Avoid liquid spills on the unit.
Cannot establish communication with other stations.	Incorrect wiring; station not properly registered; system configuration issue.	Verify all wiring connections are correct according to the system diagram. Ensure all stations are properly configured and recognized by the central exchange unit. Consult your system administrator or Aiphone technical documentation.

8. SPECIFICATIONS

Feature	Detail
Model Number	AX-8M
Product Dimensions (H x W x D)	6-7/8 x 7-5/8 x 1-7/8 inches (175 x 194 x 48 mm)
Weight	1.21 Pounds
Compatible Wiring	Cat-5e homerun to CEU
Wiring Connection	RJ45 jack
Power Requirements	24V supplied by Aiphone central exchange unit (sold separately)
Housing Material	Black ABS plastic
Manufacturer	AIPHONE COMMUNICATIONS

9. WARRANTY AND SUPPORT

Specific warranty details for the Aiphone AX-8M are typically provided at the point of purchase or within the product packaging. Please refer to your purchase documentation for precise warranty terms and conditions.

9.1. Technical Support

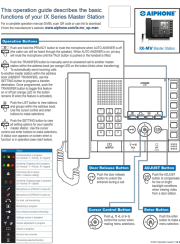

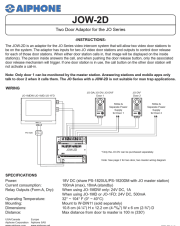
For technical assistance, troubleshooting beyond this manual, or inquiries regarding your Aiphone AX-8M master station, please contact Aiphone customer support. Aiphone, founded in Japan in 1948, maintains its North American headquarters in Bellevue, WA, and adheres to International Organization for Standardization (ISO) standards 9001 and 14001, ensuring high quality and environmental management standards.

For the most current contact information, please visit the official Aiphone website or refer to your product's packaging.



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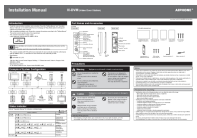
Related Documents - AX-8M

	<p>Aiphone IX Series Master Station Operation Guide</p> <p>A comprehensive operation guide for the Aiphone IX Series Master Station, detailing basic functions, button operations, and status indicators.</p>
	<p>Aiphone JK-1MD Hands-Free Color Video Intercom Installation and Operation Manual</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>Aiphone JOW-2D Two Door Adaptor for JO Series Video Intercom System - Installation Guide</p> <p>Detailed instructions and specifications for the Aiphone JOW-2D adaptor, enabling two door stations for the JO Series video intercom system. Learn about wiring, power, and operational features for intercom installations.</p>



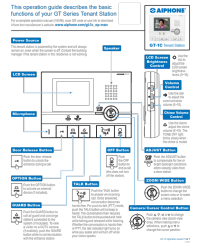
[Aiphone IX-MV7-B IP Video Answering Station Data Sheet](#)

Comprehensive data sheet for the Aiphone IX-MV7-B IP Video Answering Station, detailing its features, specifications, and capabilities for IP-based communication systems.



[Aiphone IX-DVM Video Door Station Installation Manual](#)

Detailed installation manual for the Aiphone IX-DVM Video Door Station, covering setup, wiring, precautions, and system configuration. Includes part names, accessories, and connection guides.



[Aiphone GT-1C Tenant Station Operation Guide](#)

Comprehensive operation guide for the Aiphone GT-1C Tenant Station. Learn about its power source, LCD screen, speaker, microphone, and the functions of buttons like Door Release, Option, Guard, Talk, and Off, along with side controls for brightness, volume, and zoom.