Aiphone AX-DVF

Aiphone AX-DVF Flush-Mount Audio/Video Door Station User Manual

Model: AX-DVF

1. PRODUCT OVERVIEW

The Aiphone AX-DVF is a flush-mount audio/video door station designed for integration with Aiphone AX Series master stations and central exchange units. It facilitates remote communication with visitors, enhancing security by allowing occupants to verify identity before granting access.

Key features include:

- Integrated 1/4" color camera for live video feed to a master station.
- Illuminated directory display for occupant names.
- Durable brushed-finish stainless steel faceplate and polycarbonate lens cover for vandal resistance.
- Designed for flush mounting into a wall.

Figure 1: Aiphone AX-DVF Door Station Front View. This image displays the front view of the Aiphone AX-DVF door station. It features a brushed stainless steel faceplate. At the top, a camera lens is visible, followed by a rectangular slot for the directory card, which is illuminated by an LED. Below this are speaker/microphone grilles, and at the bottom, a circular call button. The model number 'AIPHONE AX-DVF' is subtly engraved on the faceplate.

2. Package Contents

Verify that all items are present in the package:

- Aiphone AX-DVF door station
- Backbox
- Screwdriver
- Directory card
- Mounting hardware

3. Setup and Installation

This section provides general guidelines for installing the AX-DVF door station. Professional installation is recommended to ensure proper functionality and adherence to local electrical codes.

3.1. Site Preparation

- Ensure the installation location is suitable for flush mounting and provides adequate space for the backbox.
- Verify that the location allows for proper wiring access to the central exchange unit.
- Confirm compatibility with an Aiphone AX Series master station and central exchange unit (sold separately).

3.2. Wiring

- The door station requires Cat-5e cable for connection to the central exchange unit.
- Connect the Cat-5e cable to the RJ45 jack on the door station.
- The maximum distance from the central exchange unit using Cat-5e cable is 980 ft.
- Power is supplied by the Aiphone central exchange unit (24V). Do not connect external power sources directly to the door station unless specified by Aiphone.

3.3. Mounting

- Install the provided backbox into the wall opening.
- Secure the AX-DVF door station to the backbox using the supplied mounting hardware and screwdriver.
- Ensure the faceplate is flush with the wall surface for optimal appearance and vandal resistance.

3.4. Directory Card

- Insert the directory card with the occupant's name into the designated slot on the faceplate. The card will be illuminated by a white LED for visibility.

4. Operating Instructions

The AX-DVF door station operates in conjunction with an Aiphone AX Series master station.

1. **Visitor Call:** When a visitor presses the call button on the AX-DVF door station, an alert is sent to the connected AX Series master station.
2. **Audio/Video Communication:** The master station will receive a live video feed from the AX-DVF's 1/4" color camera and enable two-way audio communication.
3. **Directory Display:** The illuminated directory slot on the door station displays the name of the corresponding occupant, assisting visitors.
4. **Access Authorization:** From the master station, the occupant can communicate with the visitor and, if

desired, remotely authorize access (e.g., unlock a door, if integrated with an access control system).

5. Maintenance

The Aiphone AX-DVF is designed for durability with its stainless steel faceplate and polycarbonate lens cover.

- **Cleaning:** To clean the faceplate and camera lens, use a soft, damp cloth. Avoid abrasive cleaners or solvents that could damage the finish or lens.
- **Inspection:** Periodically inspect the unit for any signs of damage or loose connections.
- **Environmental Protection:** While designed for outdoor use, ensure the unit is not exposed to extreme conditions beyond its operational specifications.

6. Troubleshooting

If you encounter issues with your AX-DVF door station, consider the following common troubleshooting steps:

- **No Video/Audio:**

  - Check all Cat-5e cable connections at both the door station and the central exchange unit.
  - Ensure the central exchange unit is powered on and functioning correctly.
  - Verify that the master station is properly configured and connected.

- **Call Button Not Responding:**

  - Inspect the call button for any physical obstruction or damage.
  - Confirm wiring integrity.

- **Poor Video Quality:**

  - Clean the camera lens with a soft cloth.
  - Check for adequate lighting at the door station's location.

If problems persist, contact Aiphone technical support or a qualified service technician.

7. Specifications

Feature	Detail
Model Number	AX-DVF
Overall Dimensions (H x W x D)	9-11/16 x 5-3/4 x 1-7/8 inches (246 x 146 x 45 mm)
Product Dimensions (Shipping)	11.9 x 8.3 x 2.6 inches; 3.2 Pounds
Camera	1/4" Color Camera
Mounting Type	Flush-mount
Faceplate Material	Brushed-finish Stainless Steel
Lens Cover Material	Polycarbonate
Compatible Wiring	Cat-5e

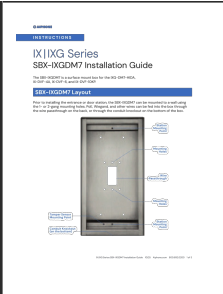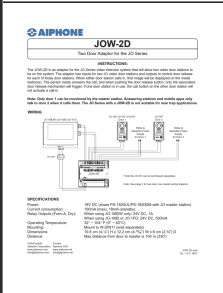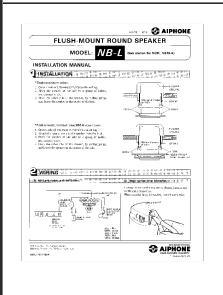|	
Wiring Connection	RJ45 jack
Max. Distance from CEU (Cat-5e)	980 ft.
Power Requirements	24V supplied by Aiphone central exchange unit (sold separately)
Manufacturer	AIPHONE COMMUNICATIONS
Date First Available	July 18, 2009

8. WARRANTY AND SUPPORT

For specific warranty information, please refer to the documentation included with your purchase or visit the official Aiphone website. Aiphone meets International Organization for Standardization (ISO) standards 9001 and 14001.
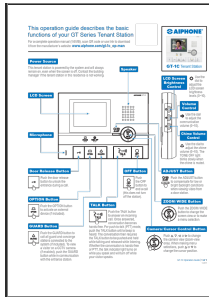
For technical support, service, or replacement parts, please contact Aiphone customer service directly. Contact information can typically be found on the Aiphone website or in your product packaging.

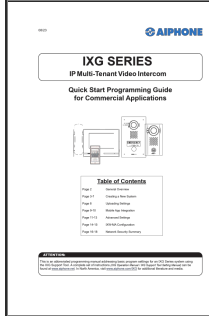Aiphone North American headquarters: Bellevue, WA.

Related Documents - AX-DVF

[Aiphone SBX-IXGDM7 Installation Guide for IX | IXG Series Door Stations](#)
Detailed installation guide for the Aiphone SBX-IXGDM7 surface mount box, compatible with IXG-DM7-HIDA, IX-DVF-4A, IX-DVF-6, and IX-DVF-10KP door stations. Covers mounting, wiring, and installation steps.

[Aiphone JOW-2D Two Door Adaptor for JO Series Video Intercom System - Installation Guide](#)
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.

[Aiphone NB-L Flush-Mount Round Speaker Installation and Wiring Guide](#)
Comprehensive installation and wiring instructions for the Aiphone NB-L flush-mount round speaker, a sub-station compatible with NEM and NEM-A master stations. Includes diagrams and step-by-step guidance.
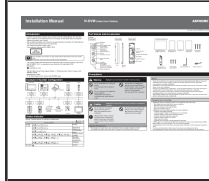
[Aiphone GT-1C Tenant Station Operation Guide](#)
Comprehensive operation guide for the Aiphone GT-1C Tenant Station. Learn about its power source, LCD screen, speaker, microphone, and the functions of buttons like Door Release, Option, Guard, Talk, and Off, along with side controls for brightness, volume, and zoom.

[Aiphone IXG Series IP Multi-Tenant Video Intercom Quick Start Programming Guide](#)
This guide provides a quick start for programming Aiphone's IXG Series IP Multi-Tenant Video Intercom systems for commercial applications. It covers system setup, station configuration, mobile app integration, and advanced settings.

[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.