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## Aiphone JFS-2AEDF

# Aiphone JFS-2AEDF Audio/Video Intercom System User Manual

Model: JFS-2AEDF

## 1. PRODUCT OVERVIEW

The Aiphone JFS-2AEDF is an audio/video intercom system designed for secure communication and access control. This system includes a flush-mount door station with a camera and stainless steel faceplate, a master station with an LCD screen for video monitoring and image recording, and a power supply. It enables remote communication and visual identification of visitors before granting access to a building.

The master station can be expanded to include an additional door station and up to two sub-master stations, enhancing its capabilities for multiple entrances and rooms.



Figure 1: Aiphone JFS-2AEDF Intercom System components, including the master station, flush-mount door station, and power supply.

## 2. WHAT'S IN THE BOX

Verify that all components are present in the package:

- Aiphone JF-DVF door station
- Aiphone JF-2MED master station
- Aiphone PS-1820UL power supply

- Backbox for door station
- Option connector for master station
- Release connector for master station
- Security driver for door station
- (2) clear nameplates
- Mounting hardware
- Instructions (this manual)

## 3. SETUP AND INSTALLATION

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Professional installation is recommended for optimal performance and safety. Ensure all power is disconnected before beginning installation.

### 3.1 Mounting the Door Station

The JF-DVF door station is designed for flush mounting. Use the included backbox to secure the door station against a wall. The stainless steel faceplate and metal call button provide durability, and the clear polycarbonate lens cover protects the camera.

### 3.2 Mounting the Master Station

The JF-2MED master station housing is made of ABS plastic and mounts to a wall using a single-gang box or ring.

### 3.3 Wiring Connections

Proper wiring is crucial for system functionality. Refer to the detailed wiring diagrams provided in the separate installation guide for specific connections.

- **Master to Door Station:** Use Aiphone 871802 wire (sold separately). Maximum distance is 165 ft. using 22 AWG wire, or 330 ft. using 18 AWG wire.
- **Master to Sub-Master Station (Optional):** Use Aiphone 871804 wire (sold separately).
- **Power Supply:** Connect the included Aiphone PS-1820UL power supply (18VDC) to the master station.
- **Door Release (Optional):** The door-release button works with an electric strike (sold separately). The contact rating is 24VAC or 24 VDC at 500mA. For larger contact ratings, use Aiphone RY-18L (sold separately). If using two door stations, the Aiphone RY-3DL door-release adapter (sold separately) is required to select which door to release.

## 4. OPERATING INSTRUCTIONS

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### 4.1 Receiving a Call from the Door Station

1. When a visitor presses the call button on the door station, the master station will chime and display a live video feed from the 1/4" color camera. The white LED on the door station illuminates the visitor area in low-light conditions.
2. To answer the call, press and hold the answering button for push-to-talk communication, or tap the answering button for hands-free communication.
3. To end the call, press the answering button again.

### 4.2 Door Release Function

If an electric strike is connected (sold separately), press the door-release button on the master station to remotely unlock the entrance for the visitor. If two door stations are installed with the RY-3DL adapter, you can select which door to release.

## 4.3 Image Recording

The master station's internal memory allows for image recording:

- **Automated Recording:** Images can be automatically captured whenever a call is received from the door station.
- **Manual Recording:** Press the record button on the master station to manually capture images.
- Up to 50 images can be recorded at a time, with each image containing 8 frames captured over 8 seconds.
- Up to 10 images can be saved to the station's memory.
- Recorded images are automatically labeled with the date and time.

## 4.4 Voice Memos

The master station can store voice recordings:

- Up to two 10-second voice recordings can be replayed through the door station for visitors when personal communication is not possible or preferred.
- Up to three 10-second voice memos can be stored for use by master station operators for reminders and notes.

## 4.5 Communicating with Sub-Master Stations (Optional)

If sub-master stations are connected, press the call button on the master station to initiate audio communication with up to two sub-master stations.

## 4.6 Monitoring the Door Station

Press the monitor button on the master station at any time to listen and receive video feed from the door station without a visitor initiating a call.

## 4.7 Adjusting Volume

The chime and audio volume on the master station are adjustable to suit your preference.

# 5. MAINTENANCE

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

- **Cleaning:** Use a soft, dry cloth to clean the surfaces of the master station and door station. Do not use abrasive cleaners or solvents. For the door station's polycarbonate lens cover, use a mild soap solution if necessary, and wipe gently.
- **Connections:** Periodically check all wiring connections to ensure they are secure and free from corrosion.
- **Environmental Protection:** Ensure the door station's flush mount remains sealed to prevent water ingress.

# 6. TROUBLESHOOTING

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If you encounter issues with your Aiphone JFS-2AEDF system, refer to the following common troubleshooting steps:

- **No Power to Master Station:**
  - Verify the PS-1820UL power supply is securely plugged into a working outlet.
  - Check all power connections to the master station.
- **No Audio/Video from Door Station:**
  - Ensure all wiring between the master station and door station is correctly connected and not damaged.
  - Confirm the door station's call button is functioning correctly.

- Check for any obstructions on the camera lens or LED illuminator.

- **Door Release Not Functioning:**

- Verify the electric strike (sold separately) is correctly installed and powered.
- Check the wiring between the master station and the electric strike.
- If using two door stations, ensure the RY-3DL adapter is correctly installed and configured.

- **Poor Audio Quality:**

- Adjust the volume settings on the master station.
- Check for environmental noise interference at the door station.
- Inspect wiring for loose connections or damage.

If the problem persists after attempting these steps, contact Aiphone customer support or a qualified technician.

## 7. SPECIFICATIONS

| Feature                                       | Detail  |
|---|---|
| Master Station Model                          | JF-2MED   |
| Master Station Dimensions (H x W x D)         | 179 x 135 x 32 mm (7 x 5-5/16 x 1-1/4 inches)                   |
| Door Station Model                            | JF-DVF  |
| Door Station Faceplate Dimensions (H x W x D) | 209 x 135 x 5.5 mm (8-1/4 x 5-5/16 x 7/32 inches)               |
| Door Station Backbox Dimensions (H x W x D)   | 7-3/32 x 4-3/8 x 1-25/32 inches                                 |
| Display Languages                             | Dutch, English, French, German, Spanish                         |
| Max. Door Distance (Master to Door)           | 165 ft. (22 AWG wire), 330 ft. (18 AWG wire)                    |
| Compatible Wire (Master to Door)              | Aiphone 871802 (sold separately)                                |
| Compatible Wire (Master to Sub-Master)        | Aiphone 871804 (sold separately)                                |
| Door Release Contact Rating                   | 24VAC or 24 VDC at 500mA (Use Aiphone RY-18L for larger rating) |
| Power Requirements                            | 18VDC (Aiphone PS-1820UL power supply included)                 |
| Camera Resolution                             | 1/4" color camera (video capture resolution 720p)               |
| Connectivity Technology                       | Wired   |
| Installation Type                             | Hard-wired  |
| Item Weight                                   | 6.26 Pounds (total system)                                      |
| UPC   | 790143507480  |
| ASIN  | B002PNEA7O  |

## 8. WARRANTY AND SUPPORT

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Aiphone manufactures intercom systems and is committed to quality, meeting International Organization for Standardization (ISO) standards 9001 and 14001.

For specific warranty information, technical support, or service inquiries, please contact Aiphone directly through their official website or customer service channels. Keep your purchase receipt for warranty claims.

Aiphone North American headquarters are located in Bellevue, WA.

