

## Aiphone JF-2HD

# Aiphone JF-2HD Sub-Master Station User Manual

JF Series Audio/Video Intercom System

## 1. INTRODUCTION

The Aiphone JF-2HD Sub-Master Station is designed to extend the capabilities of an Aiphone JF Series audio/video intercom system. This unit allows for door-answering and communication from multiple rooms or a larger area within a building, complementing the main master station. It integrates seamlessly into existing JF Series installations to enhance communication and security.

## 2. SAFETY INFORMATION

Please read and understand all safety instructions before installing or operating the JF-2HD Sub-Master Station. Failure to follow these instructions may result in injury, damage to the product, or voiding of the warranty.

- **Electrical Safety:** Always disconnect power to the intercom system at the circuit breaker before performing any installation, wiring, or maintenance.
- **Professional Installation:** Installation should be performed by qualified personnel in accordance with all local electrical codes and regulations.
- **Environmental Conditions:** Do not expose the unit to moisture, rain, or extreme temperatures. Operate within the specified temperature and humidity ranges.
- **Component Compatibility:** Use only specified wiring and components compatible with the Aiphone JF Series system.
- **Ventilation:** Ensure proper ventilation around the unit to prevent overheating. Do not block any ventilation openings.

## 3. PACKAGE CONTENTS

Verify that all items listed below are present in the package:

- Aiphone JF-2HD Sub-Master Station

- Option connector
- Release connector
- Mounting hardware
- Instructions (this manual)

## 4. SETUP AND INSTALLATION

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The JF-2HD sub-master station is designed for surface mounting. Follow these steps for proper installation:

1. **Mounting Location:** Select a suitable indoor location for the sub-master station. It can be installed using a standard single-gang box or ring.
2. **Wiring:** Connect the sub-master station to the master station using compatible wiring. For distances up to 165 feet (50 meters), use 22 AWG wire. For distances up to 330 feet (100 meters), use 18 AWG wire. Aiphone 871804 wire (sold separately) is compatible. Refer to the wiring diagram provided with your master station for specific connection points.
3. **Secure Connections:** Ensure all wiring connections are secure and properly insulated to prevent short circuits.
4. **Mounting the Unit:** Secure the JF-2HD unit to the wall using the provided mounting hardware.
5. **Power Restoration:** Once all connections are made and the unit is securely mounted, restore power to the intercom system at the circuit breaker.



Image 1: Front view of the Aiphone JF-2HD Sub-Master Station, showing the display and control buttons.

## 5. OPERATING INSTRUCTIONS

The JF-2HD Sub-Master Station provides various functions for communication and access control within your intercom system.

- **Answering Calls:** When an incoming call is received from the door station, the 3.5-inch LCD color monitor activates, displaying the visitor. To answer, you can either press and hold the answering button for push-to-talk communication or tap the answering button for hands-free communication.
- **Monitoring:** Press the monitor button at any time to view video and listen to audio from the door station without initiating a call.
- **Door Release:** The door-release button activates an electric strike (sold separately) to remotely unlock the entrance for a visitor. If two door stations are connected to the system with an Aiphone RY-3DL adapter (sold separately), you can select which connected door to release.
- **Image Recording:** The sub-master operator can record images from the monitor onto the master station's internal memory. 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 permanently to the master station's memory.

- **Audio Memos:** Access audio memos for internal reminders or replay audio recordings saved on the master station through the door station when personal communication is not possible or preferred.
- **Volume Adjustment:** Adjust the chime and audio volume using the dedicated controls on the unit.
- **Communication with Master Station:** Press the call button to initiate audio communication with the connected master station.

## 6. MAINTENANCE

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Proper maintenance ensures the longevity and optimal performance of your JF-2HD Sub-Master Station.

- **Cleaning:** Clean the unit's exterior with a soft, dry cloth. Do not use abrasive cleaners, solvents, or chemical sprays, as these can damage the finish or internal components.
- **Inspection:** Periodically inspect the unit for any signs of damage or loose connections.
- **Ventilation:** Ensure that any ventilation openings are clear of dust and debris to prevent overheating.

## 7. TROUBLESHOOTING

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If you encounter issues with your JF-2HD Sub-Master Station, refer to the following common problems and solutions:

- **No Video Display:**
  - Check the power supply to the entire intercom system.
  - Verify all wiring connections between the sub-master station, master station, and door station.
  - Ensure the monitor button is pressed if you are attempting to view video without an incoming call.
- **No Audio:**
  - Check the volume settings on the sub-master station.
  - Verify all audio wiring connections.
- **Door Release Not Working:**
  - Confirm that the electric strike is correctly installed and wired to the system.
  - Check connections to the RY-3DL adapter if used for multiple door stations.
  - Ensure the door release button is being pressed correctly.
- **Unit Not Powering On:**
  - Verify the power source and all electrical connections to the intercom system.
  - Check the circuit breaker for the system.

If these steps do not resolve the issue, please contact Aiphone customer support or a qualified technician.

## 8. SPECIFICATIONS

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Feature	Specification
Model Number	JF-2HD
Overall Dimensions (H x W x D)	7 x 5-5/16 x 1-1/4 inches (179 x 135 x 32 mm)

Feature	Specification
Display	3.5-inch LCD Color Monitor
Display Languages	Dutch, English, French, German, Spanish
Maximum Door Distance (Master/Sub-Master)	165 ft. (22 AWG wire), 330 ft. (18 AWG wire)
Compatible Wires (Master to Sub-Master)	Aiphone 871804 (sold separately)
Housing Material	ABS Plastic
Mounting Type	Surface Mount
Power Source	Corded Electric (via system power supply)
Item Weight	1.35 pounds
Manufacturer	AIPHONE COMMUNICATIONS

## 9. WARRANTY AND SUPPORT

The Aiphone JF-2HD Sub-Master Station is covered by a standard manufacturer's warranty. For detailed information regarding warranty terms, conditions, and duration, please refer to the warranty card included with your product or visit the official Aiphone website.

For technical support, troubleshooting assistance, or service inquiries, please contact Aiphone customer service. Contact information can typically be found on the Aiphone official website or in the documentation provided with your complete JF Series intercom system.

*Aiphone meets International Organization for Standardization (ISO) standards 9001 and 14001.*