

Fanvil i23S

Fanvil i23S Audio Door Phone User Manual

Model: i23S

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1. INTRODUCTION

This manual provides instructions for the installation, operation, and maintenance of the Fanvil i23S Audio Door Phone. The i23S is a vandal-resistant, SIP-enabled audio door phone system designed for security and communication in various environments. It integrates security, intercom, broadcasting, and access control functionalities, offering high-definition audio for clear communication. Its robust design, with IP65 and IK10 protection levels, makes it suitable for harsh outdoor conditions.

2. SAFETY INFORMATION

Please read these safety instructions carefully before installation and operation to prevent damage to the device or injury to personnel.

- **Electrical Safety:** All installation and repair work must be performed by qualified personnel. Ensure the power supply meets the device's requirements. Do not expose the device to water or moisture.
- **Environmental Conditions:** The device is designed for outdoor use with IP65 and IK10 ratings. However, avoid extreme temperatures, direct sunlight for prolonged periods, or corrosive environments.
- **Handling:** Handle the device with care. Avoid dropping or subjecting it to strong impacts.
- **Cleaning:** Disconnect power before cleaning. Use a soft, dry cloth. Do not use harsh chemicals or abrasive cleaners.
- **Modifications:** Do not attempt to modify or disassemble the device. Unauthorized modifications will void the warranty.

3. PACKAGE CONTENTS

Verify that all items are present and in good condition upon opening the package. If any items are missing or damaged, contact your supplier immediately.

- Fanvil i23S Audio Door Phone Unit
- Mounting Bracket
- Screws and Wall Plugs
- Connector Cables (Ethernet, Power)
- Quick Installation Guide

4. PHYSICAL DESCRIPTION

The Fanvil i23S features a robust metal casing designed for durability and vandal resistance. Below are the key components of the device.





Figure 4.1: Front view of the Fanvil i23S Audio Door Phone, showing the speaker, microphone, numeric keypad, call buttons, and RFID card reader area.

- **Speaker:** Located at the top, for audio output during calls.
- **Microphone:** Integrated for voice input during calls.
- **Numeric Keypad:** For dialing numbers, entering access codes, or other functions.
- **Call Buttons:** Typically includes a call button (handset icon) and possibly a cancel/back button.
- **RFID Card Reader Area:** Marked with "CARD" for proximity card access.
- **Door Release Button:** Often integrated or indicated by an icon, used to unlock a connected door.
- **Status Indicators:** LEDs for power, network, or call status.

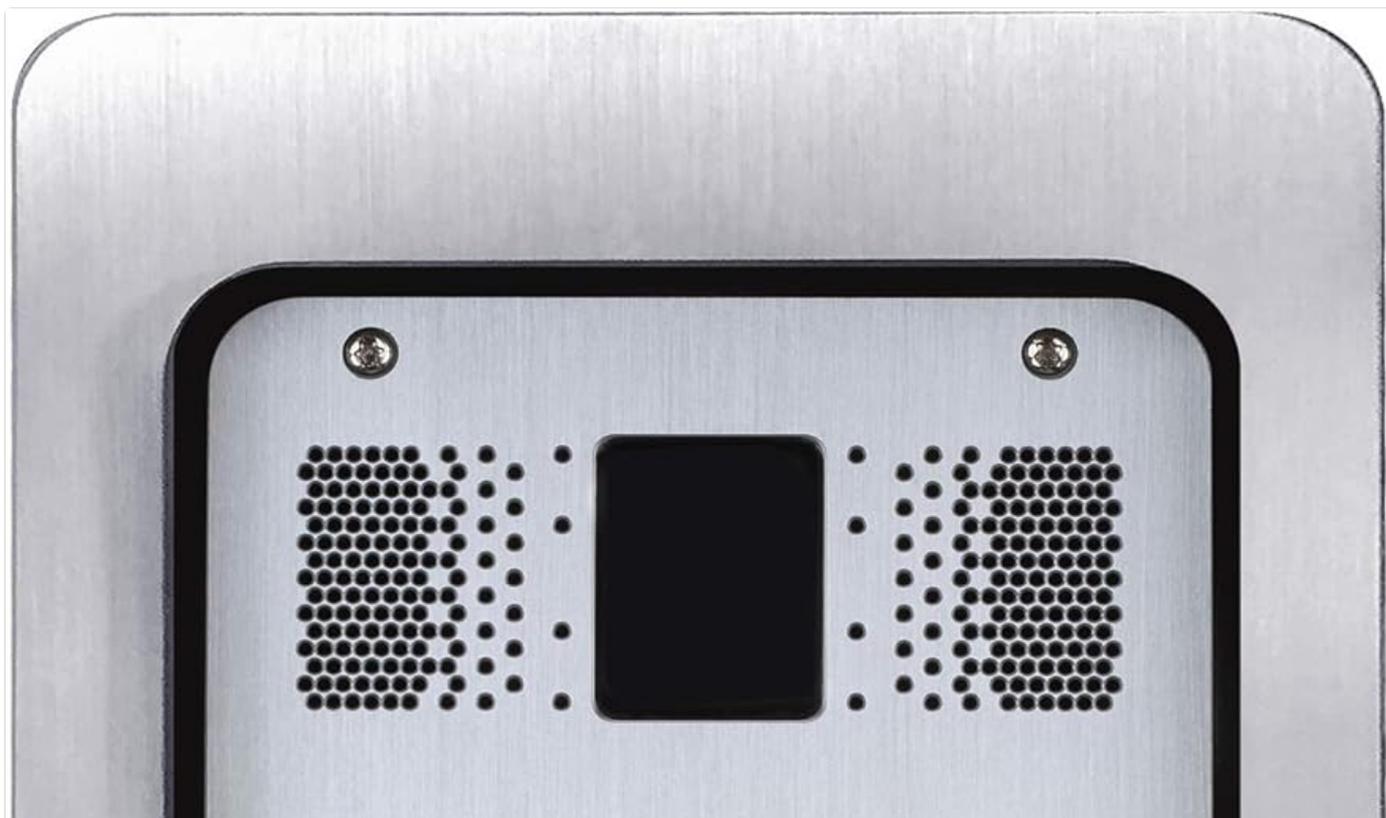




Figure 4.2: Rear view of the Fanvil i23S Audio Door Phone, illustrating the mounting plate and connection ports.

- **Mounting Plate:** Used to secure the device to a wall or surface.
- **Connection Ports:** Typically located on the rear or inside the unit, including Ethernet (RJ45) for network and PoE, and terminal blocks for power input, door lock control, and alarm inputs/outputs.

5. SETUP AND INSTALLATION

This section outlines the general steps for installing and setting up your Fanvil i23S Audio Door Phone. Professional installation is recommended.

1. **Site Selection:** Choose a suitable outdoor location, typically near an entrance, ensuring clear line of sight and accessibility. Consider network cable routing and power availability.

2. Mounting:

- Secure the mounting bracket to the wall using the provided screws and wall plugs. Ensure it is level and firmly attached.
- Attach the i23S unit to the mounting bracket. Refer to the quick installation guide for specific mounting instructions.

3. Wiring:

- **Network Connection:** Connect an Ethernet cable from your network switch (preferably PoE-enabled) to the RJ45 port on the i23S. If PoE is not used, connect a separate power adapter (not included) to the power input terminals.
- **Door Lock Connection:** Connect the door lock control wires from the i23S to your electronic door lock system. Ensure correct polarity and voltage requirements.
- **Alarm/IO Connections (Optional):** Connect any external alarm sensors or output devices to the designated I/O terminals if required for your setup.

4. **Power On:** Once all connections are secure, apply power to the device. The status indicator LEDs should illuminate.

5. Network Configuration:

- Access the device's web interface via a web browser using its IP address. The default IP address can usually be found in the quick installation guide or discovered using a network scanning tool.
- Log in using the default administrator credentials (refer to the quick installation guide).
- Configure network settings (e.g., static IP or DHCP), SIP account details, and door access parameters.

6. **System Integration:** Integrate the i23S with your existing SIP PBX or IP intercom system. Configure extensions, call routing, and access control rules.

6. OPERATING INSTRUCTIONS

This section describes the basic operation of the Fanvil i23S Audio Door Phone.

• Making a Call:

- To call a specific extension, enter the extension number using the numeric keypad and press the call button (handset icon).
- To call a pre-programmed number (e.g., reception), simply press the dedicated call button if configured.

• **Answering a Call:** When the i23S rings, the visitor can speak directly into the microphone. The person receiving the call on the internal phone can answer as usual.

• **Door Release:** During an active call, the internal user can remotely open the door by pressing a pre-configured digit on their phone (e.g., * or #). This feature must be configured in the i23S web interface.

• Access Control (RFID/Keypad):

- **RFID Card:** Present a pre-registered RFID card to the "CARD" area on the device. If authorized, the door will unlock.
- **Keypad Code:** Enter a valid access code using the numeric keypad. If authorized, the door will unlock.

7. MAINTENANCE

Regular maintenance ensures optimal performance and longevity of your Fanvil i23S.

- **Cleaning:** Periodically wipe the device's surface with a soft, damp cloth. Do not use abrasive cleaners or solvents. Ensure no liquid enters the speaker or microphone openings.
- **Firmware Updates:** Check the Fanvil official website regularly for firmware updates. Keeping the firmware updated can improve performance, add new features, and address security vulnerabilities.
- **Environmental Check:** Ensure the device remains free from obstructions, excessive dirt, or debris that could affect its operation.

8. TROUBLESHOOTING

This section addresses common issues you might encounter with the Fanvil i23S.

Problem	Possible Cause	Solution
Device does not power on.	No power supply; faulty cable; PoE not active.	Check power connections. Ensure PoE switch port is active or external power adapter is working.
Cannot make or receive calls.	Network issue; SIP registration failure; incorrect configuration.	Verify network connectivity. Check SIP account registration status in the web interface. Ensure correct SIP server and account details.
Door does not unlock.	Incorrect wiring; faulty lock; incorrect access code/RFID card; configuration error.	Check door lock wiring and power supply to the lock. Verify access codes and RFID card registration. Review door release settings in the web interface.
Poor audio quality.	Network congestion; microphone/speaker obstruction; faulty hardware.	Check network bandwidth. Ensure microphone and speaker are clear of debris. If problem persists, contact support.

9. SPECIFICATIONS

Key technical specifications for the Fanvil i23S Audio Door Phone.

- **Model:** i23S
- **Brand:** Fanvil
- **SIP Lines:** 2
- **Protection Level:** IP65 (Water and Dust Resistant), IK10 (Vandal Resistant)
- **Material:** Metal
- **Color:** Black
- **Power Source:** Corded Electric (PoE or external power adapter)
- **Item Weight:** 3.98 pounds (1.81 Kilograms)
- **Package Dimensions:** 12.17 x 6.97 x 4.69 inches
- **Compatible Devices:** VoIP services, telephone networks (e.g., PSTN, ISDN)
- **Dialer Type:** Single Keypad
- **Answering System Type:** Digital
- **Conference Call Capability:** Basic
- **Date First Available:** January 14, 2019

10. WARRANTY AND SUPPORT

For warranty information, please refer to the warranty card included with your product or visit the official Fanvil website. Technical support is available through your vendor or Fanvil's official support channels. Ensure you have your product model number (i23S) and purchase details ready when contacting support.

Manufacturer: Fanvil



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