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> [Fanvil i10D IP Intercom System User Manual](#)

Fanvil i10D

Fanvil i10D IP Intercom System User Manual

Model: i10D | Brand: Fanvil

1. INTRODUCTION

The Fanvil i10D is a compact and efficient IP intercom system designed for secure communication and access control. This manual provides detailed instructions for the installation, operation, and maintenance of your Fanvil i10D device, ensuring optimal performance and longevity. Please read this manual thoroughly before using the product.

2. SAFETY INFORMATION

- Ensure the device is installed by qualified personnel in accordance with local electrical codes.
- Do not expose the device to water or extreme temperatures.
- Use only the power adapter specified by the manufacturer.
- Avoid placing the device near strong electromagnetic fields.
- Do not attempt to open or repair the device yourself. Contact authorized service personnel.

3. PACKAGE CONTENTS

Verify that all items are present in the package:

- Fanvil i10D IP Intercom Unit
- Mounting Bracket
- Screws and Wall Plugs
- Quick Installation Guide

4. PRODUCT OVERVIEW

The Fanvil i10D features a robust design with essential components for effective communication and access control.



Figure 4.1: Front view of the Fanvil i10D IP Intercom System. The device features a dark grey upper section with a speaker grille and a microphone opening, and a silver lower section. Below the speaker, there are two black buttons: one with a phone icon for calling, and another with a key icon for door unlock.

Key Components:

- **Speaker:** Located behind the grille in the upper section, for clear audio output.
- **Microphone:** A small circular opening above the speaker grille, for voice input.
- **Call Button:** Marked with a phone icon, used to initiate a call to a pre-configured extension.
- **Door Unlock Button:** Marked with a key icon, used to remotely unlock a connected door.

5. SETUP AND INSTALLATION

5.1 Mounting the Device

1. Choose a suitable location for installation, typically near an entrance or access point.

2. Use the mounting bracket as a template to mark drilling holes on the wall.
3. Drill holes and insert wall plugs.
4. Secure the mounting bracket to the wall using the provided screws.
5. Attach the Fanvil i10D unit to the mounting bracket, ensuring it clicks securely into place.

5.2 Wiring and Connections

The Fanvil i10D supports Power over Ethernet (PoE) for simplified installation.

- **Network Connection:** Connect an Ethernet cable from your PoE-enabled network switch or PoE injector to the RJ45 port on the back of the i10D.
- **Door Lock Connection (Optional):** If connecting to an electronic door lock, refer to the wiring diagram in the Quick Installation Guide for proper connection to the relay output terminals. Ensure correct polarity and voltage.

5.3 Initial Configuration

After physical installation, the device requires network configuration.

1. The i10D will obtain an IP address via DHCP by default. You can find its IP address using a network scanner or Fanvil's IP Scanner tool.
2. Open a web browser and enter the device's IP address to access its web-based management interface.
3. Log in using the default username and password (refer to the Quick Installation Guide for default credentials).
4. Configure SIP account settings, network parameters, and door access control settings as required by your system.

6. OPERATING INSTRUCTIONS

6.1 Making a Call

- To initiate a call, press the **Call Button** (phone icon).
- The i10D will dial the pre-configured extension or SIP address.
- Once the call is connected, you can communicate with the recipient via the built-in speaker and microphone.

6.2 Receiving a Call

The Fanvil i10D is primarily designed for outgoing calls from the intercom to an internal station. Incoming calls to the i10D are typically not supported for direct voice communication, but it can receive commands for actions like door unlocking.

6.3 Door Unlock Function

- During an active call from the i10D to an indoor station, the recipient can send a DTMF code (e.g., **) to trigger the door unlock relay.
- Alternatively, the **Door Unlock Button** (key icon) on the i10D can be configured to directly trigger the relay, allowing local access control. This function is typically used by authorized personnel.

7. MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the surface of the device. Do not use abrasive cleaners or solvents.
- **Firmware Updates:** Periodically check the Fanvil official website for firmware updates to ensure optimal performance and security. Follow the instructions provided with the firmware.
- **Environmental Conditions:** Ensure the device operates within its specified temperature and humidity ranges to prevent damage.

8. TROUBLESHOOTING

Problem	Possible Cause	Solution
No power/Device not turning on	No PoE connection; Faulty Ethernet cable; Network switch issue.	Check PoE connection and ensure the network switch supports PoE. Try a different Ethernet cable.
Cannot make calls	Network connectivity issue; Incorrect SIP registration; Incorrect dial plan.	Verify network connection. Check SIP account registration status in the web interface. Ensure the dial plan is correctly configured.
Poor audio quality	Network congestion; Microphone/speaker obstruction; Environmental noise.	Check network bandwidth. Ensure microphone and speaker are clear of debris. Reduce background noise if possible.
Door unlock not working	Incorrect wiring; Relay configuration error; Lock malfunction.	Verify wiring to the door lock. Check relay settings in the web interface. Test the door lock independently.

9. SPECIFICATIONS

Feature	Detail
Model Number	i10D
Product Dimensions	3.94 x 5.91 x 7.87 inches
Item Weight	2.2 pounds
Manufacturer	Fanvil
Contact Material	Bronze
Current Rating	1 Amps
Mounting Type	Chassis Mount
Operation Mode	Automatic

10. WARRANTY AND SUPPORT

Fanvil products are covered by a limited warranty. For detailed warranty terms and conditions, please refer to the warranty card included with your product or visit the official Fanvil website. For technical support, troubleshooting assistance, or service inquiries, please contact your local distributor or Fanvil customer service through their official channels.

Official Website: www.fanvil.com

