

Fanvil A201

Fanvil A201 IP Ceiling Speaker User Manual

MODEL: A201

1. Introduction

The Fanvil A201 IP Ceiling Speaker is a commercial-grade audio terminal designed for various indoor environments. It operates as an independent audio system or integrates with existing communication, surveillance, and security systems. This manual provides essential information for the proper installation, operation, and maintenance of your Fanvil A201 speaker.

2. Product Features

- **Versatile IP Audio Solution:** Functions independently or integrates with unified communication, video surveillance, broadcast, intercom, access control, digital billboard, and fire alarm systems.
- **High-Quality Sound:** Advanced audio design ensures clear and robust sound performance with a maximum SPL of 100dB.
- **Sleek & Easy Installation:** Minimalist exterior design for seamless blending into indoor environments and simplified installation.
- **Enhanced Security Integration:** Supports integration with IP cameras, alarm lights, and electric locks via HTTP API and short-circuit I/O interfaces for remote control, video surveillance, and broadcasting functionalities.
- **Reliable Indoor Use:** Suitable for offices, retail spaces, public facilities, and other indoor settings.

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 vendor immediately.

- Fanvil A201 IP Ceiling Speaker Unit
- Mounting Hardware (e.g., clips, screws)
- Connection Cables (e.g., network, power, I/O)



Figure 3.1: Side view of the Fanvil A201 IP Ceiling Speaker showing the main unit and various connection cables extending from it. The speaker grille is visible on the left, and the white housing extends to the right, with multiple white cables terminating in different connectors.



Figure 3.2: Top-down view of the Fanvil A201 IP Ceiling Speaker, highlighting the circular speaker grille and the spring-loaded mounting clips on the sides. Two main cables are visible, extending from the rear of the unit.

4. Safety Information

Please read and follow these safety instructions to prevent damage to the device or injury to yourself.

- Ensure the power supply voltage matches the device's requirements.
- Do not expose the device to water, moisture, or extreme temperatures.
- Installation should be performed by qualified personnel in accordance with local electrical codes.
- Do not attempt to open or repair the device yourself. Refer all servicing to authorized service personnel.
- Ensure the ceiling structure can support the weight of the speaker.

5. Setup and Installation

The Fanvil A201 is designed for easy ceiling installation. Follow these steps for proper setup:

1. **Prepare the Ceiling Opening:** Cut a circular hole in the ceiling according to the speaker's specified cutout diameter. Refer to the product specifications for exact dimensions.
2. **Connect Cables:**
 - **Network Connection:** Connect an Ethernet cable from your network switch (preferably PoE enabled) to the speaker's RJ45 port.
 - **Power (if not PoE):** If not using Power over Ethernet (PoE), connect a compatible DC power adapter to the speaker's power input.
 - **I/O and Other Integrations:** Connect any external devices (e.g., IP cameras, alarm lights, electric locks) to the speaker's I/O interfaces as required for your system integration.
3. **Mount the Speaker:** Carefully insert the speaker into the prepared ceiling opening. The spring-loaded mounting clips will automatically engage and secure the speaker in place. Ensure it is flush with the ceiling surface.
4. **Initial Configuration:** Once powered on and connected to the network, the speaker will obtain an IP address. Access the speaker's web interface via its IP address to configure SIP lines, audio settings, and integration parameters. Refer to the Fanvil A201 Administrator Guide for detailed configuration steps.

6. Operation

The Fanvil A201 IP Ceiling Speaker supports various operational modes:

- **SIP Broadcasting:** Register the speaker as a SIP endpoint on your IP PBX or SIP server. You can then initiate calls or broadcasts to the speaker from any SIP-enabled device.
- **Multicast Paging:** Configure the speaker to listen for multicast audio streams for zone paging or emergency announcements.
- **Integrated Systems:** Utilize the HTTP API and I/O interfaces to integrate with surveillance, access control, or alarm systems. For example, an alarm trigger could activate a pre-recorded message broadcast through the speaker.
- **Volume Control:** Adjust the speaker volume through its web interface or via integrated control systems.

7. Maintenance

Regular maintenance ensures optimal performance and longevity of your Fanvil A201 speaker.

- **Cleaning:** Gently wipe the speaker grille and housing with a soft, dry cloth. Do not use harsh chemicals or abrasive cleaners.
- **Firmware Updates:** Periodically check the Fanvil official website for firmware updates. Keeping the firmware updated can improve performance, add new features, and address security vulnerabilities. Follow the instructions provided with the firmware update package.
- **Connection Check:** Periodically inspect all cable connections to ensure they are secure and free from damage.

8. Troubleshooting

If you encounter issues with your Fanvil A201 speaker, refer to the following common problems and solutions:

- **No Sound:**
 - Check power supply and network connection.
 - Verify speaker volume settings in the web interface.
 - Ensure SIP registration is successful and the audio source is correctly configured.
 - Confirm multicast settings if using multicast paging.
- **Network Connection Issues:**

- Check Ethernet cable integrity.
- Verify network switch port status.
- Ensure DHCP server is assigning an IP address or static IP is correctly configured.
- Ping the speaker's IP address from a connected device.

- **Distorted Audio:**

- Reduce the speaker volume.
- Check the audio source quality.
- Ensure network bandwidth is sufficient for audio streaming.

If problems persist, contact Fanvil technical support or your product vendor.

9. Specifications

Feature	Detail
Model Name	A201
Brand	Fanvil
Mounting Type	Ceiling Mount (as per design)
Speaker Maximum Output Power	10 Watts
Maximum SPL	100dB
Product Dimensions	9 x 4 x 4 inches (approximate)
Item Weight	2.6 pounds
UPC	889837004029
ASIN	B0DYWFJXXP

10. Warranty and Support

Fanvil products typically come with a limited manufacturer's warranty. Please refer to the warranty card included with your product or visit the official Fanvil website for detailed warranty terms and conditions.

For technical support, product inquiries, or warranty claims, please contact your authorized Fanvil dealer or visit the Fanvil support portal on their official website.

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ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

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After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question