SM10 SIP Paging Interface

The **SM10 SIP Paging Interface** is designed to work seamlessly with Symphony, FrontRow's third-generation system for bells, paging, intercom, and alerting. It supports open-standard SIP protocols and offers 15 multicast priority levels to meet even the most demanding requirements. Perfect for providing SIP and multicast audio streams to your 70-volt common areas or retrofitting your current ezRoom.

Applicable Scenarios

FrontRow CM900 & Unity SIP/Multicast Bridge - Add the SM10 SIP Paging Interface to your existing ezRoom system along with Symphony to add a SIP component to your current FrontRow audio systems.

70-volt Common Area Audio - Pair the SM10 SIP Paging Interface with our 70-volt amplifier solution to provide bell, paging and alerting audio throughout the building.

Two-way Intercom

When paired with FrontRow ezRoom, the SM10 SIP Paging Interface supports a programmable "press-to-talk" switch button, providing two-way intercom calls.

Multiple SIP Accounts

While designed for FrontRow's Symphony, the SM10 SIP Paging Interface supports up to three total SIP PBX connections.

Multicast

The SM10 SIP Paging Interface offers 15 unique multicast priority streams, providing exceptional flexibility to meet your communication needs.

Audio Codecs

The SM10 SIP Paging Interface supports four industry-standard audio codecs:
• G.722 (High Definition)   • G.711 (alaw)
• G.711 (ulaw)   • Opus (High Definition)

Built-in Amplifier

A built-in amplifier, rated at 2x10W dual-channel output, and passive loudspeakers can be connected directly for stereo audio output. No external amplifier is needed.

Power over Ethernet (PoE)

The SM10 SIP Paging Interface is powered via standard PoE (IEEE 802.3at), ensuring a streamlined installation and enabling network control through the built-in web interface or Symphony.

Relay

The SM10 SIP Paging Interface is equipped with a NO/NC dry relay, enabling your existing FrontRow audio systems to be automatically muted during a Symphony audio event.

The SM Series IP Audio Devices
by FrontRow

Network Speaker Clock
8000-00004

Network Speaker
8000-00003

Network Horn Speaker
8000-00005

Network Interface
8000-00002

Specifications

Audio Interfaces

Amplifier Output	2x10W, 8Ω (4 pins)
Headset Output	3.5mm Jack
Microphone	3.5mm Jack

Other Interfaces

Power Input	DC 12V-3A Jack. External power not included.
Volume Control	VOL+ and VOL-, press both to announce IP address
Ethernet	ETH0 + ETH1, 10/100Mbps, ETH0 with PoE IEEE 802.3at enabled
Call button	Support 2 call buttons (switch button)
Call button LED	Support 2 call button LED indicators
Digital level input	5V Max
Dry Contact	NO/NC contacts, max AC 125V-1A, DC 60V-1A

Audio

Audio Codecs	G.722, G.711 a-law, G.711 a-law, Opus
Music Streaming	MP3 sampling rate 8 – 48KHz, bit rate 64 – 320kbps, mono or Stereo

Protocols

Protocols	SIP(RFC3261), HTTP, TCP/IP, SSL, DNS, SNTP, NTP, RTSP, RTP, RTCP, TCP, UDP, MQTT, ICMP, DHCP, ARP, SSH

Mechanical Properties

Processor	ARM Cortex-A35
RAM	128MB DDR3
Storage	128MB SLC Flash

Environmental

Working Environment	4°F ~ +122°F | -20°C ~ +50°C
Storage Environment	-40°F ~ +167°F | -40°C ~ +75°C
Humidity	10% ~ 95% RH (Relative Humidity) Non-condensing

Other

Dimension	6" x 3" | 153*76*33mm
Weight	10.6 ounces | 303 grams
Reset Key	Press and hold for 5 seconds to reset to factory defaults
LED Indicator	PWR power indicator, SYS system indicator
Warranty Coverage	2 Years

Mounting

Included in the Box:

- 1 SM10 SIP Paging Interface
- 1 Phoenix Connector
- 1 Network Cable
- 1 M4 x 10 Clamping Screws
- 1 Grounding Cable
- 1 Mini Screwdriver
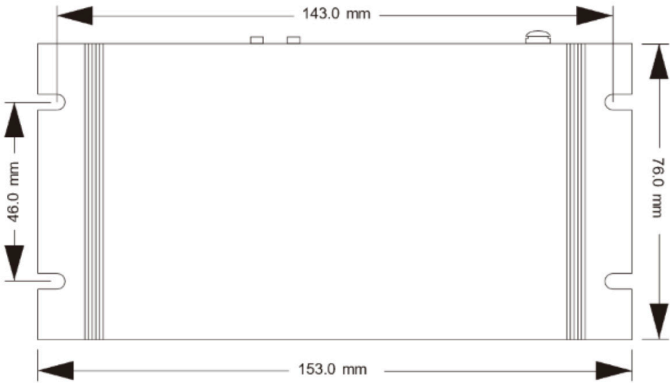
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