SIP Paging Amplifier

CyberData
The IP Endpoint Company

The SIP Paging Amplifier is a Power over Ethernet (802.3at) VoIP loud paging device and loud ringer for use in places that need loud paging. It provides an easy method for implementing an IP-based overhead paging system for your existing or new VoIP Phone system.

CyberData has maintained one of the most comprehensive list of IP PBX servers certified to work with CyberData VoIP products.

Features

- Support for security code access for SIP paging
- Autoprovisioning via HTTPS
- HTTPS web based configuration
- Configurable event generation for device health and status monitoring
- 9 user-uploadable page messages
- Line-in for background music
- Line-out connector
- DTMF controlled relay
- Supports up to two 011471 IP66 Analog Horns
- Digital and manual volume control
- Second SIP endpoint "Night Ringer"
- 10 channel prioritized Multicast ports

Additional product information may be found on the **Features** tab of the website.

Related Products:

011471 IP66 Analog Horn

011288 Auxiliary RGB Strobe Kit

011124 PoE Power Injector 802.3at

011405 SIP Loudspeaker Amplifier-PoE

Specifications

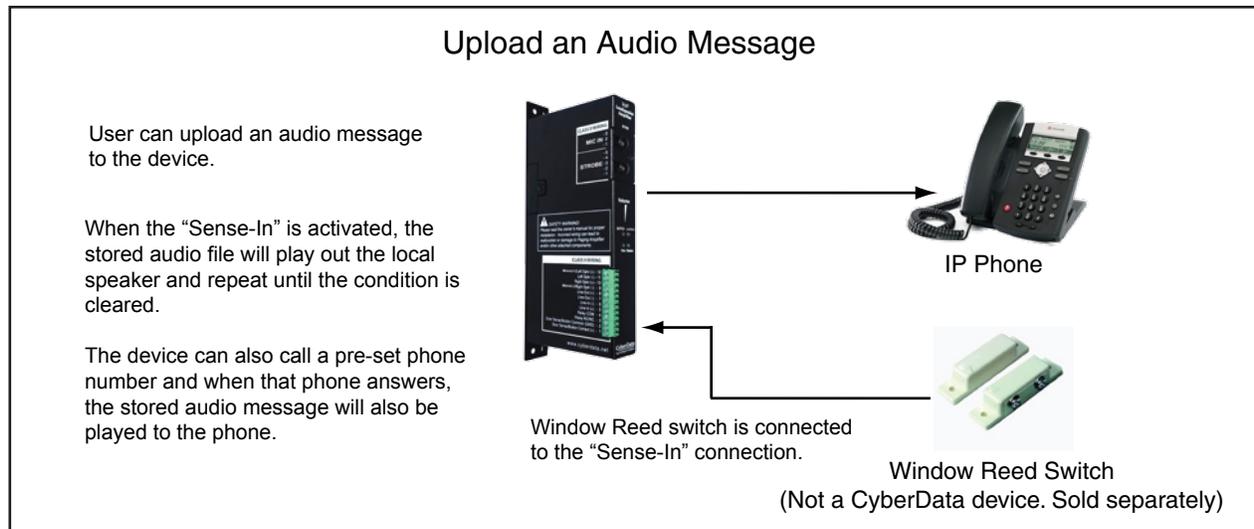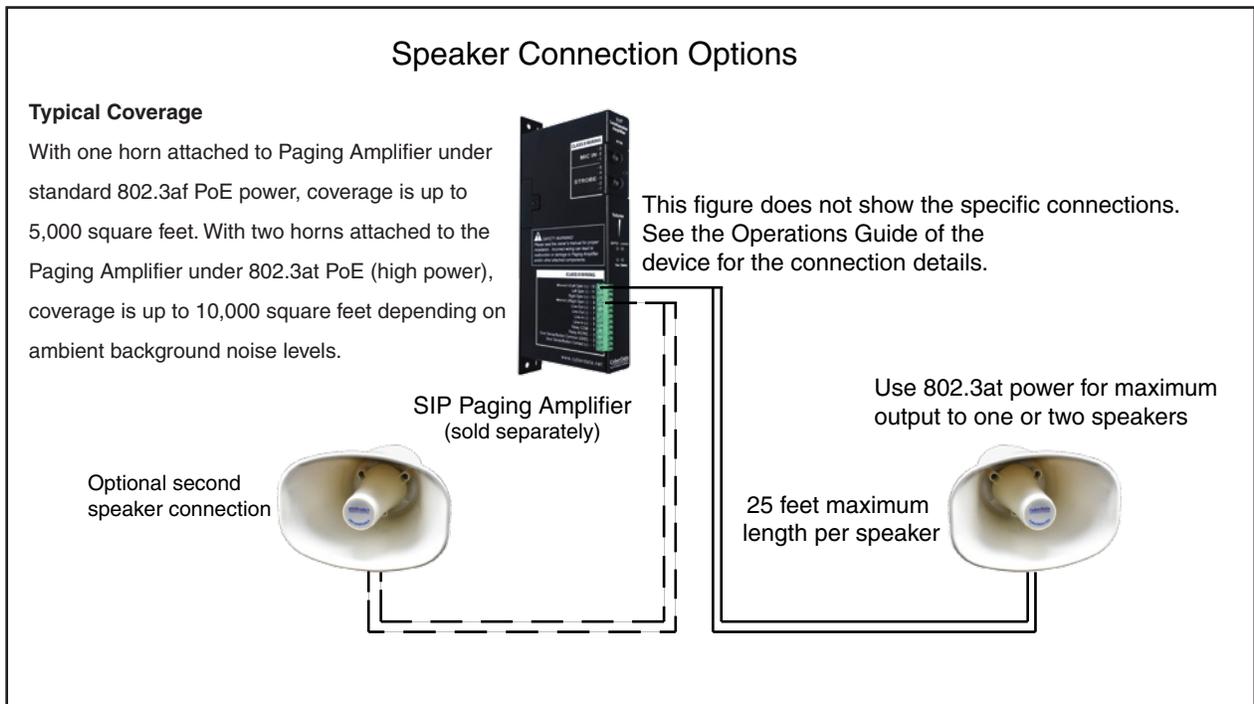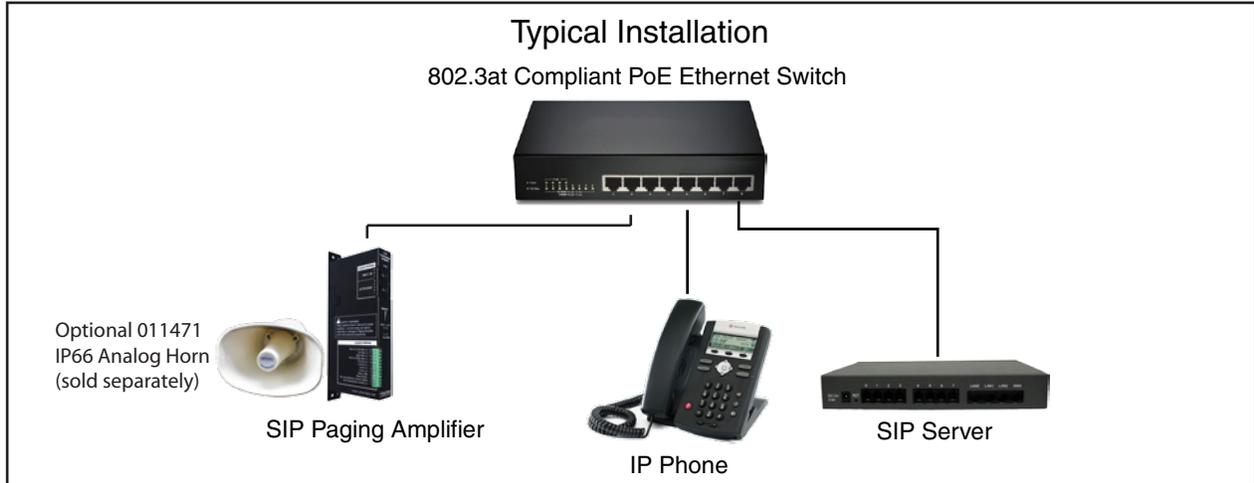|	
Ethernet I/F	10/100 Mbps
Protocol	SIP RFC 3261 Compatible
Power Input	PoE 802.3at or 802.3af
Audio Output	802.3at: 117.9 (+/- 0.2) dBC @1M and 1kHz* 802.3af: 115.1 (+/- 0.2) dBC @1M and 1kHz*
Line In: Input Signal Amplitudes Input Impedance	 2.0 VPP maximum 10k Ohm
Line Out: Output Signal Amplitudes Output Level Total Harmonic Distortion Output Impedance	 2.0 VPP maximum +2dBm nominal 0.5% maximum 10k Ohm
On-Board Relay	1A @ 30 VDC
Payload Types	G.711 a-law, G.711µ-law, G.722, and G.729
Operating Range	Temperature: -40^0 C to 55^0 C (-40^0 F to 131^0 F) Humidity: 5-95%, non-condensing
Storage Temperature Storage Altitude	Temperature: -40^0 C to 70^0 C (-40^0 F to 158^0 F) Up to 15,000 ft. (4573 m)
Dimensions**	1.042 in. [26.5 mm] Length 3.295 in. [83.7 mm] Width 7.795 in. [198.0 mm] Height
Weight Boxed Weight	1.4 lbs. [0.63 kg] 2.0 lbs. [0.90 kg]
Compliance	CE; EMC Directive – Class A EN 55032 & EN 55024, LV Safety Directive – EN 60950-1, RoHS Compliant, FCC; Part 15 Class A, Industry Canada; ICES-3 Class A, IEEE 802.3 Compliant
Warranty	2 Years Limited
Part Number	011324

*When used with the optional 011471 IP66 Analog Horn (sold separately).
**Dimensions are measured from the perspective of the product being upright with the front of the product facing you.

SIP Paging Amplifier

Typical Installation

802.3at Compliant PoE Ethernet Switch

Optional 011471
IP66 Analog Horn
(sold separately)

SIP Paging Amplifier

IP Phone

SIP Server

Speaker Connection Options

Typical Coverage

With one horn attached to Paging Amplifier under standard 802.3af PoE power, coverage is up to 5,000 square feet. With two horns attached to the Paging Amplifier under 802.3at PoE (high power), coverage is up to 10,000 square feet depending on ambient background noise levels.

This figure does not show the specific connections. See the Operations Guide of the device for the connection details.

SIP Paging Amplifier
(sold separately)

Use 802.3at power for maximum output to one or two speakers

Optional second speaker connection

25 feet maximum length per speaker

Upload an Audio Message

User can upload an audio message to the device.

When the "Sense-In" is activated, the stored audio file will play out the local speaker and repeat until the condition is cleared.

The device can also call a pre-set phone number and when that phone answers, the stored audio message will also be played to the phone.

IP Phone

Window Reed switch is connected to the "Sense-In" connection.

Window Reed Switch
(Not a CyberData device. Sold separately)

SIP Paging Amplifier

Auxiliary RGB Strobe

Strobe Cable Kit
(Part of RGB Strobe)

Back Plate

Mounting Screw

Hole Plug &
Grommet

Cable
Grommet

Mounting
Screw

Slot

J1

Slot

Cover Plate

to STROBE

Optional 011288 Auxiliary
RGB Strobe (sold separately)

STROBE

MIC IN

Paging Amplifier

Intelligibility Outdoor Field Test

Speaker Placement
15 ft high

Football
Field

0, 0

344ft

295ft

295ft

344ft

377ft

377ft

459ft

459ft

BOOST 1
intelligibility
limit

443ft

443ft

BOOST3
intelligibility
limit

Ambient Noise:
~70dBC

623ft

591ft

623ft

722ft

Note: Boost 3 can be slightly
distorted on the high end of the
audio waveform, but this boost
will output a higher dB level and
is still intelligible in our testing.