Singlewire InformaCast Loudspeaker Amplifier (PoE)
Now Supports SIP

CyberData
The IP Endpoint Company

The Singlewire InformaCast Loudspeaker Amplifier is a Power over Ethernet (802.3at) VoIP 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.

The Singlewire InformaCast Loudspeaker Amplifier can have one or two IP66 Analog Horns (011471) attached. See more details in the Operations Guide or under the **Installation** tab of the product webpage.

The loudspeaker enclosure is made of a UL compliant, flame resistant, impact-rated, IP66 enclosure for harsh environments.

Optional 011471 IP66 Analog Horn (sold separately)

Features

- Capable of receiving Singlewire InformaCast, SIP and Multicast messages
- Supports Singlewire InformaCast High Quality Audio
- Plays audio from Multicast
- SIP Enhanced interoperability for hosted environments
- CyberData has maintained one of the most comprehensive list of IP PBX servers certified to work with CyberData
- Support for security code access for SIP paging
- Autoprovisioning via HTTPS
- HTTPS web based configuration
- Support for G.711 a-law, G.711u-law, G.722, and G.729 codecs
- 802.11q VLAN tagging
- Configurable sense input for use with fault detection
- Configurable event generation for device health and status monitoring
- Optional direct connect RGB strobe kit connection
- 9 user-uploadable page messages
- Receives pages directly from Polycom phones
- Packaged in a UL 94-HB flame resistant, IK 08 Impact-rated, IP66 enclosure
- SIP and Simultaneous Multicast
- Dual-speed ethernet 10/100 Mbps
- PoE 802.3at and 802.3af-enabled
- Line-in for background music
- Line-out connector
- DTMF controlled relay
- Direct 8 Ohm speaker drive
- User-uploadable tones and messages
- Digital and manual volume control
- Second SIP endpoint "Night Ringer"
- Auto-call voice message from input port sense
- Can support one or two Analog Horns (#011471 IP66 Analog Horn sold separately)
- HTTP Command Interface
- 10 channel prioritized Multicast ports
- Built-in diagnostics
- Delayed page support
- Cisco SRST

Specifications	
Ethernet I/F	10/100 Mbps
Protocol	InformaCast and 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
Operating Range	Temperature: -40^0 C to 55^0 C (-40^0 F to 131^0 F) Humidity: 5-95%, non-condensing
Enclosure	UL 94-HB flame resistant, IK 08 Impact-rated, IP66 enclosure
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)
IP Rating	IP66
Payload Types	G.711 a-law, G.711u-law, G.722, and G.729 codecs
Dimensions**	10 in. [254 mm] Length 4 in. [101.6 mm] Width 14 in. [355.6 mm] Height
Weight	3.6 lbs. [1.63 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 Horn Part Number	011407 011471

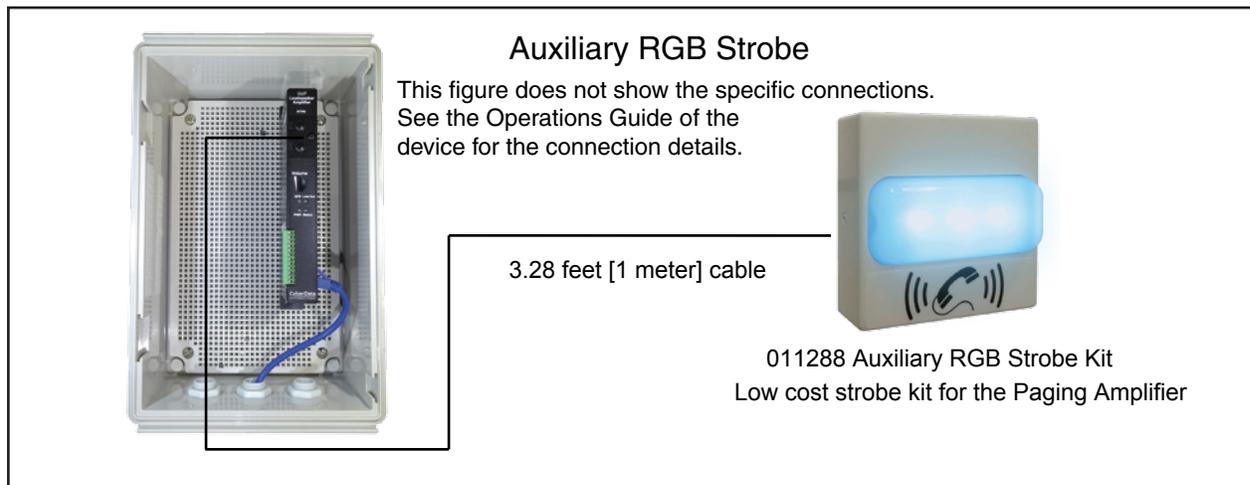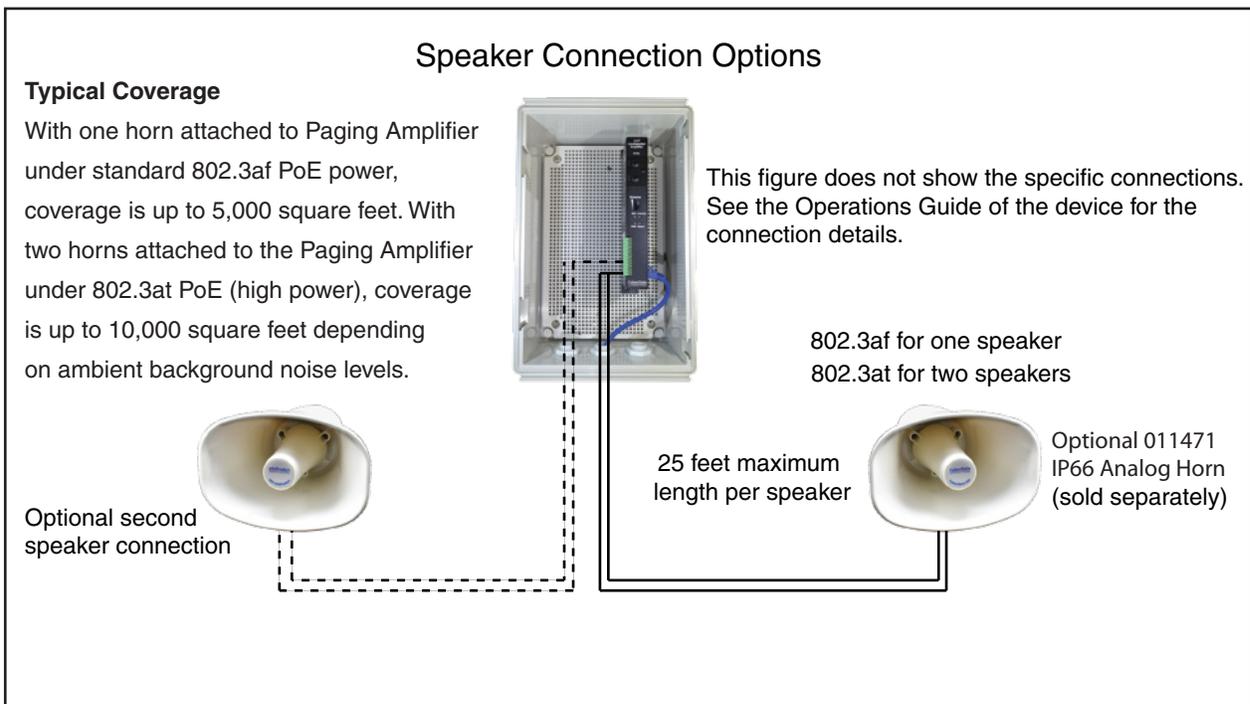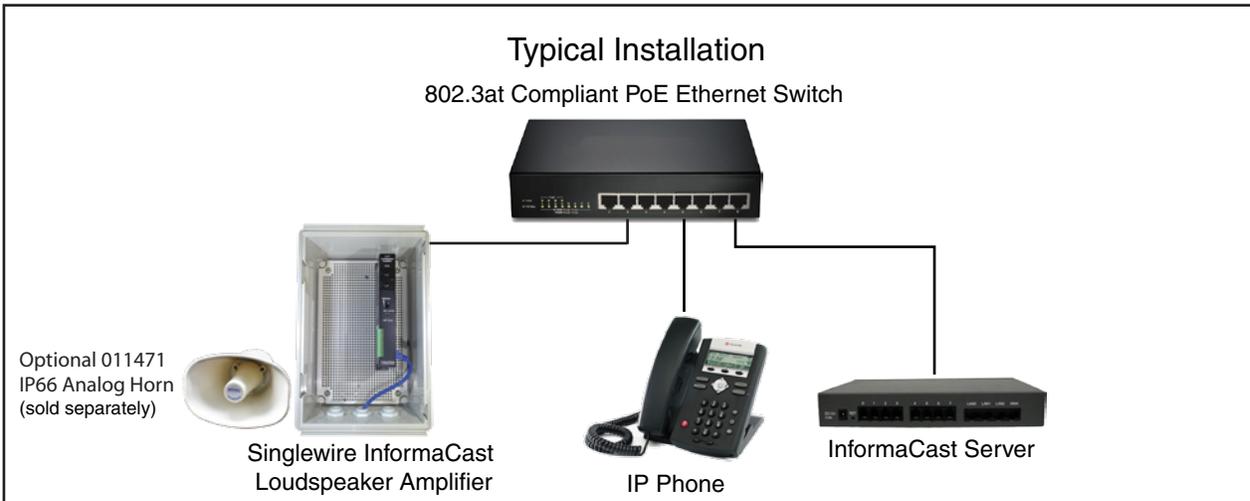*When used with the optional 011471 IP66 Analog Horn (sold separately).
**Dimensions are measured from the perspective of the product being upright with the front of the product facing you.

Singlewire InformaCast Features

- Singlewire Informacast compatibility available.
- Includes support for Informacast resiliency.
- Supports both SIP and Singlewire InformaCast
- InformaCast compliant
- InformaCast CK compliant

Singlewire InformaCast Loudspeaker Amplifier (PoE)

Typical Installation

802.3at Compliant PoE Ethernet Switch

Optional 011471
IP66 Analog Horn
(sold separately)

Singlewire InformaCast
Loudspeaker Amplifier

IP Phone

InformaCast 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.

802.3af for one speaker
802.3at for two speakers

Optional second
speaker connection

25 feet maximum
length per speaker

Optional 011471
IP66 Analog Horn
(sold separately)

Auxiliary RGB Strobe

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

3.28 feet [1 meter] cable

011288 Auxiliary RGB Strobe Kit
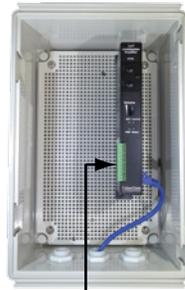Low cost strobe kit for the Paging Amplifier

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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

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

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

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

Intelligibility Outdoor Field Test

Speaker Placement
15 ft high

Football Field

0, 0

344ft
295ft
377ft
459ft
443ft
623ft

295ft
377ft
459ft
443ft
623ft

344ft

BOOST 1
intelligibility limit

BOOST3
intelligibility limit

591ft
722ft

Ambient Noise: ~70dBC

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.