**Manuals+** — User Manuals Simplified.



How to Update the Firmware of the Cyberdata IP Paging Devices

# CyberData SIP Talk-Back Speaker User Manual

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**CyberData SIP Talk-Back Speaker**

## SIP Talk-Back Speaker

CyberData's SIP Talk-Back Speaker enables full-duplex two-way conversations in settings such as classrooms, offices, medical facilities and clinics. When used with the Remote Call Button, calls to a predetermined extension can be initiated from the room with the speaker. Alternatively, a call can be placed to the speaker to initiate either a page or two-way conversation.

The SIP Talk-Back Speaker easily connects into local area networks with a single CAT5/6 cable from your PoE switch. Its small footprint allows the speaker to be mounted almost anywhere with multiple mounting options available.

PBX servers certified to work with CyberData VoIP Products: **https://www.cyberdata.net/pages/connecting-to-ip-pbx-servers**

## Features

- Full duplex audio with configurable echo cancelling
- Adaptive half duplex audio with configurable VOX (Voice Operated Switch) settings
- Half duplex push to talk audio from the phone side using the phone's keypad or from the speaker side using CyberData's Remote Call Button
- Audio health check to verify hardware performance that can be scheduled or launched manually
- Supports a Monitor Mode
- Simultaneous SIP and multicast
- Paging prioritization
- User-upload able ring and alert tones
- Support for security code to prevent unwanted SIP calls
- Can receive pages directly from Poly phones as well as other devices that can send standard multicast
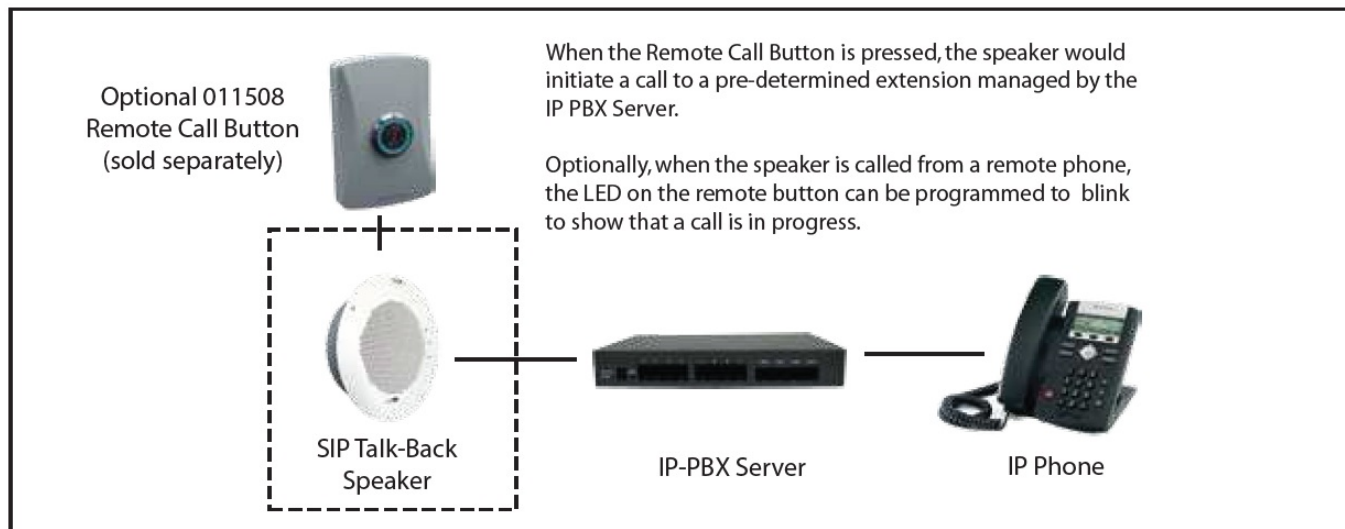- Loud/Night Ringer function – second SIP extension

- Support for 10 multicast paging groups

- Can drive external analog speaker for greater coverage

- DTMF-controlled relay

- Line-out connection

- Network and manual speaker volume control

- TLS 1.2 and SRTP enhanced security for IP Endpoints in a local or cloud-based environment

- Auto provisioning via HTTP, HTTPS, or TFTP

- HTTPS or HTTP web based configuration. HTTPS is enabled by default

- 802.11q VLAN tagging

- Configurable event generation for device health and status monitoring

- Web-based upgradeable firmware

- Support for multiple SIP servers for redundancy

## Specifications

| | |
|---|---|
| Ethernet I/F | 10/100 Mbps |
| Protocol | SIP RFC 3261 Compatible |
| Power Input | PoE 802.3af/802.3at compliant or 24VDC @ 1A Auxiliary Power Supply (not included) |
| Audio Output | 802.3af - SPL 103 dB @ 1 meter<br>802.3at - SPL 105 dB @ 1 meter |
| On-Board Relay | 1A @ 30 VDC |
| Payload Types | G.711 a-law, G.711μ-law, G.722, and G.729 |
| Network Security | TLS/SSL 1.2 and SRTP |
| Operating Range | Temperature: -40$^0$ C to 55$^0$ C (-40$^0$ F to 131$^0$ F)<br>Humidity: 5-95%, non-condensing |
| Storage Temperature<br>Storage Altitude | -40$^0$ C to 70$^0$ C (-40$^0$ F to 158$^0$ F)<br>Up to 15,000 ft. (4573 m) |
| Dimensions* | 9 in. [228.6 mm] Grill Diameter<br>7.25 in. [184.2 mm] Can Diameter<br>2.4 in. [60.96 mm] Can Depth |
| Weight<br>Boxed Weight | 3.0 lbs [1.36 kg]<br>4.0 lbs. [1.81 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/Color | 011398/RAL 9003 (Signal White) |

**\*Dimensions are measured from the perspective of the product being upright with the front of the product facing you.**
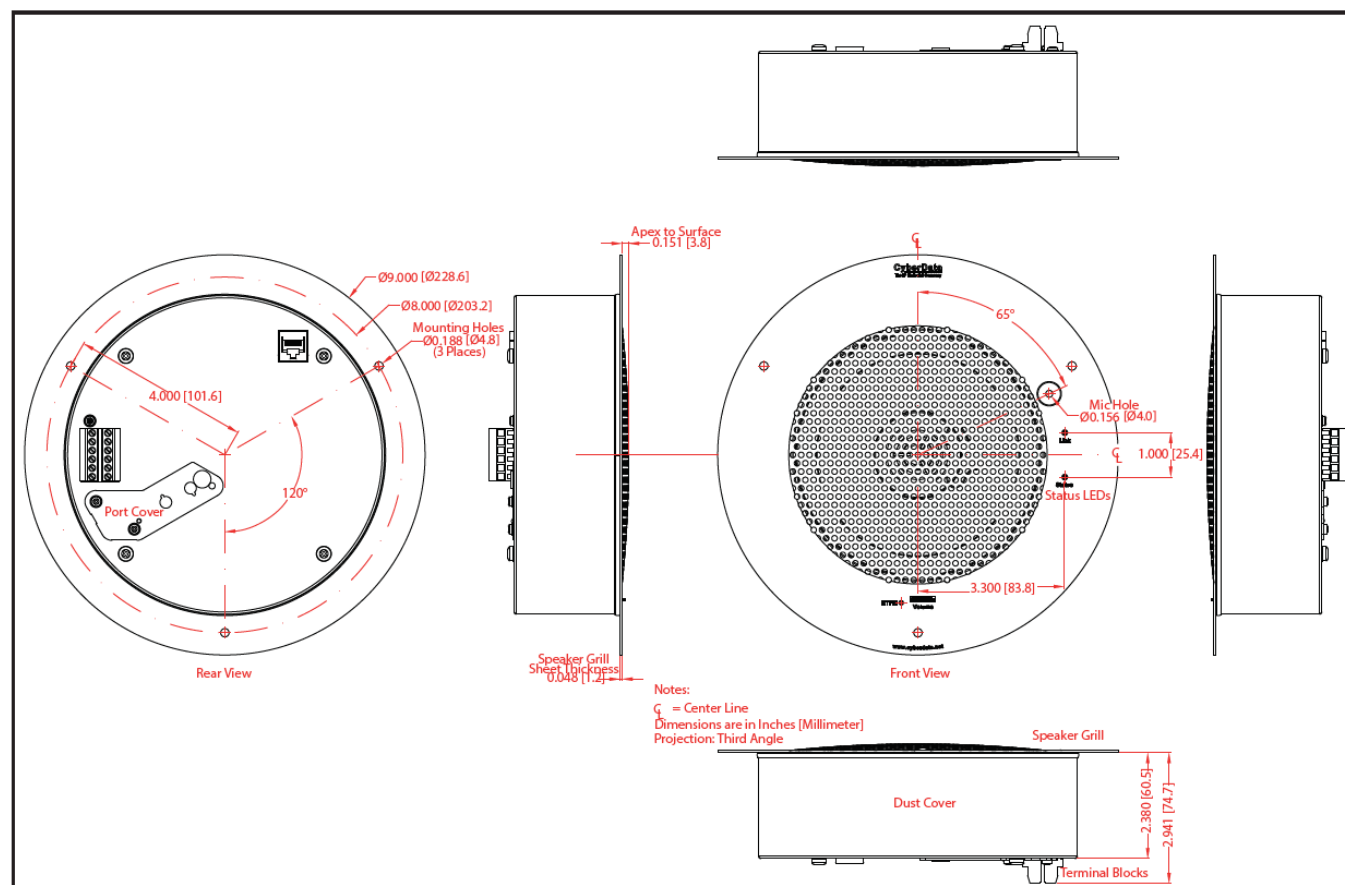
## Typical Installation



Optional 011508 Remote Call Button (sold separately)

SIP Talk-Back Speaker

IP-PBX Server

IP Phone

When the Remote Call Button is pressed, the speaker would initiate a call to a pre-determined extension managed by the IP PBX Server.

Optionally, when the speaker is called from a remote phone, the LED on the remote button can be programmed to blink to show that a call is in progress.

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## Dimensions

## Related Products



Mounting Hardware

010991 Ceiling Mount

011039 Conduit Speaker Mount

011152 Speaker Wall Mount

011154 Wall Mount Clock Kit

Speaker and Paging Accessories

011508 Remote Call Button

011121 Auxiliary Analog Speaker

011201 Ceiling Tile Auxiliary Analog Drop-In Speaker

011288 Auxiliary RGB (Multi-Color) Strobe Kit

## Documents / Resources



[CyberData SIP Talk-Back Speaker](#) [pdf] User Manual
SIP Talk-Back Speaker

## References

- CD **[CyberData Corporation](#)**
- CD **[Connecting to Compatible IP-PBX Servers – CyberData Corporation](#)**
- CD **[010991 Ceiling Mount – CyberData Corporation](#)**
- CD **[011039 Conduit Speaker Mount – CyberData Corporation](#)**
- CD **[011121 Auxiliary Analog Speaker - RAL 9003 (Signal White) – CyberData Corporation](#)**
- CD **[011152 Wall Mount -RAL 9003 (Signal White) – CyberData Corporation](#)**
- CD **[011154 Wall Mount Clock Kit - RAL 9003 (Signal White) – CyberData Corporation](#)**
- CD **[011201 Ceiling Tile Auxiliary Analog Drop-In Speaker – CyberData Corporation](#)**
- CD **[011288 Auxiliary RGB (Multi-Color) Strobe Kit – CyberData Corporation](#)**
- CD **[\*\* NEW RELEASE \*\* 011508 Remote Call Button – CyberData Corporation](#)**