

# VoIP V2 Ceiling Speaker, Singlewire Quick Start Guide

## 1.0 Out-of-Box and Prior to Final Installation

- 1.1. Verify that you have received all of the parts listed on the *Installation Quick Reference* placemat.
- 1.2. Download the current manual, otherwise known as an *Operation Guide*, which is available on the **Documentation** page at the following website address:

<http://www.cyberdata.net/products/voip/digitalanalog/singlewirespeaker/docs.html>

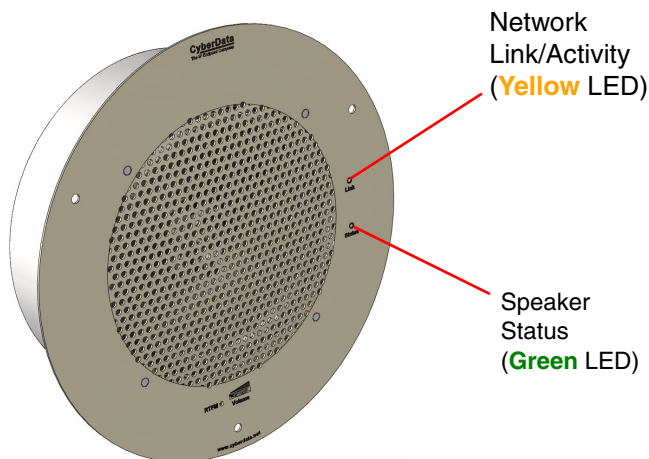
## 2.0 Select Power Source

PoE Switch	PoE Injector
Set PoE power type to IEEE 802.3af Power Class 0 (15.4W) <sup>a</sup>	CAT6 cable recommended—for longer distances
	Be sure you are using a non-PoE switch or port
Make sure port is not in trunk mode	
Set port to full duplex/ 100mbps	
Spanning Tree Protocol (STP) must be disabled or Portfast enabled	

- a. When initiating the device for the first time, we recommend manually adjusting the PoE switch port power setting to Class 3 to ensure sufficient power allocation. Once the initial setup has been completed and the device is SIP enabled, the Administrator may prefer a final power setting adjustment to Class 0.

## 3.0 Power Test

- 3.1. Plug in the CyberData device and monitor the LED activity on the front of the device. See the following figure:



- 3.2. The **GREEN** power/status LED and the **YELLOW** network LED come on immediately. The **YELLOW** network LED will blink to indicate network traffic. After about 27 seconds, the **GREEN** power/status LED will blink twice and the speaker will beep to indicate that the board is fully booted. You can disable **Beep on Initialization** on the **Device Configuration** page.

This concludes the power test.

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## 4.0 InformaCast Configuration File Retrieval

4.1. **DHCP should be enabled.** After the speaker initializes, it will send a broadcast to the DHCP server to ask for the location of its InformaCastSpeaker.cfg configuration file.

4.2. SLP or TFTP?

- **SLP** should be enabled on InformaCast version 5.0.4 or higher. SLP is an InformaCast protocol introduced in InformaCast version 5.0.4. The speaker will retrieve its configuration file from an InformaCast server folder specified by SLP. SLP method is preferred.
- **TFTP** servers may be used instead of SLP. In this alternate scenario, DHCP option 150 is required to provide the speaker with the address of the TFTP server. Otherwise, the speaker will be unable to retrieve its configuration file.

**Note** The CyberData V2 Ceiling Speaker and InformaCast server should be on the same subnet during the speaker's initial configuration if it cannot access the VLANs upon which the InformaCast Server and DHCP servers are located.

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## 5.0 Singlewire-Enabled V2 Ceiling Speaker Identification and Testing

5.1. Ensure the InformaCast Server has detected a new speaker.

5.2. Test the newly detected speaker.

5.3. Add the newly detected speaker to the InformaCast Server.

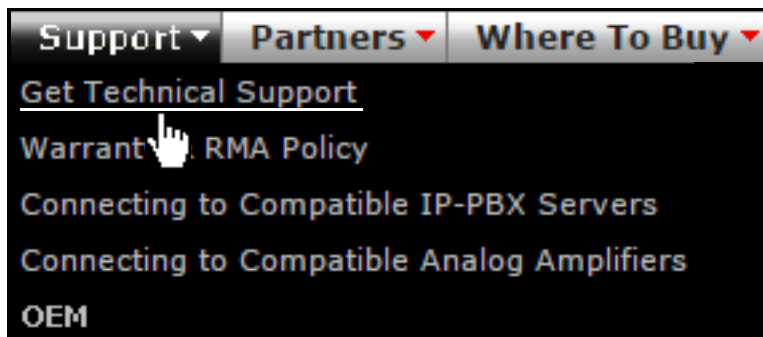
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## 6.0 Contacting CyberData VoIP Technical Support

We encourage you to access our Technical Support help desk at the following address:

<http://support.cyberdata.net/>

**Note** You can also access the Technical Support help desk by navigating through menus on the CyberData website ([www.CyberData.net](http://www.CyberData.net)) as shown in the following figure:



The Technical Support help desk provides the options of accessing documentation for your CyberData product, browsing the knowledge base, and submitting a troubleshooting ticket.

Please be advised requests for Returned Materials Authorization (RMA) numbers require an active VoIP Technical Support ticket number. A product will not be accepted for return without an approved RMA number.