

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>

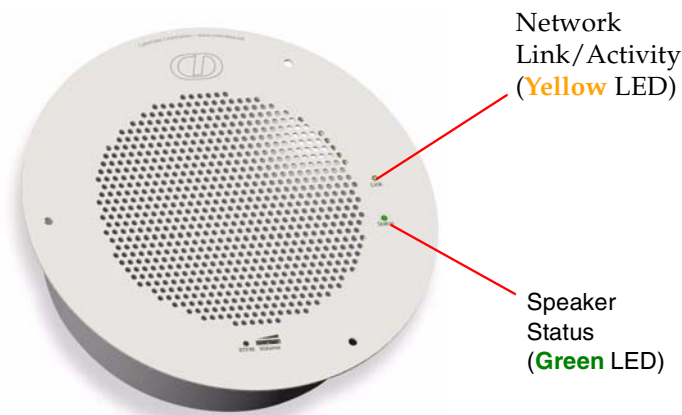
2.0 Select Power Source

| PoE Switch | PoE Injector |
|---|--|
| Set PoE power type to IEEE 802.3af Power Class 0 (15.4W) ^a | 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.

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.

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.

6.0 Contacting CyberData VoIP Technical Support

For quality assurance purposes, we ask that you please visit our website and complete our Support form which is available at the following website address:

<http://www.cyberdata.net/support/contactsupportvoip.html>

The Support form initiates a ticket which CyberData uses for tracking customer requests. Most importantly, the Support form provides us with pertinent troubleshooting information. Please include as much detail as possible in the Comments section of the Support form.

Be prepared to provide a Wireshark capture of the speaker's boot process and ensure you have properly mirrored the speaker's switch port.

Requests for Returned Materials Authorization (RMA) numbers require an active VoIP Technical Support ticket number.

If you have purchased a Singlewire-Enabled V2 Ceiling Speaker in error, please immediately contact your authorized distributor or reseller for exchange. CyberData Corporation offers repair services under the Manufacturer's Limited 2 Year Warranty but is unable to offer exchanges.