

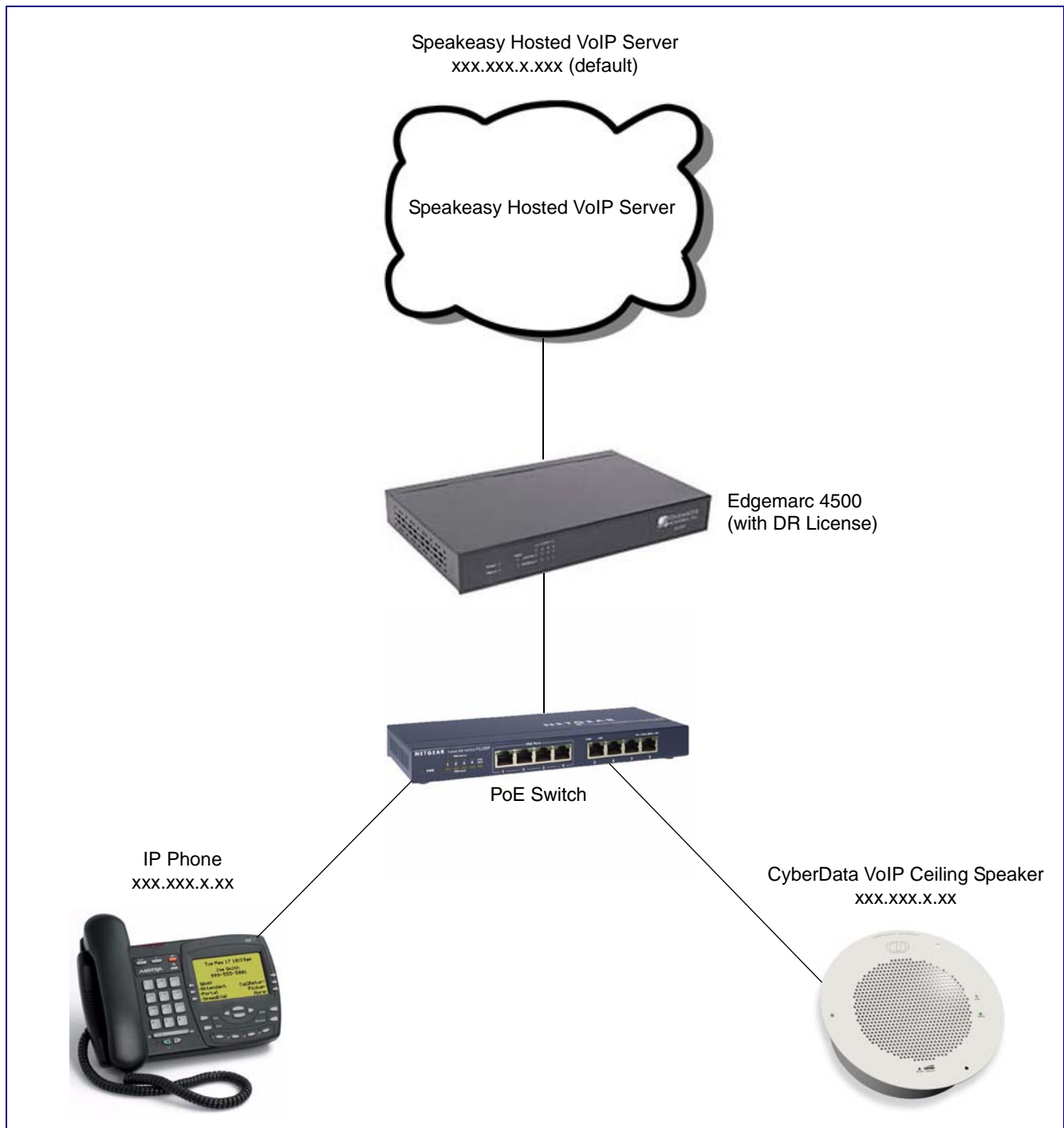


VoIP Ceiling Speaker with Speakeasy Hosted VoIP Server Setup Guide

1.0 Setup Diagram

Figure 1-1 is a setup diagram for a single VoIP Ceiling Speaker configuration. In this configuration, the VoIP Ceiling Speaker acts as a standalone SIP telephony device.

Figure 1-1. Setup Diagram



2.0 Host PC Environment

Table 2-1. Host PC Environment Details

Description	
Hardware Type	Speakeasy Hosted VoIP Server
Hardware Version	
Software Type	
Software Version	

3.0 Test Setup Equipment

Table 3-1. Test Setup Equipment

Equipment	Model	Version
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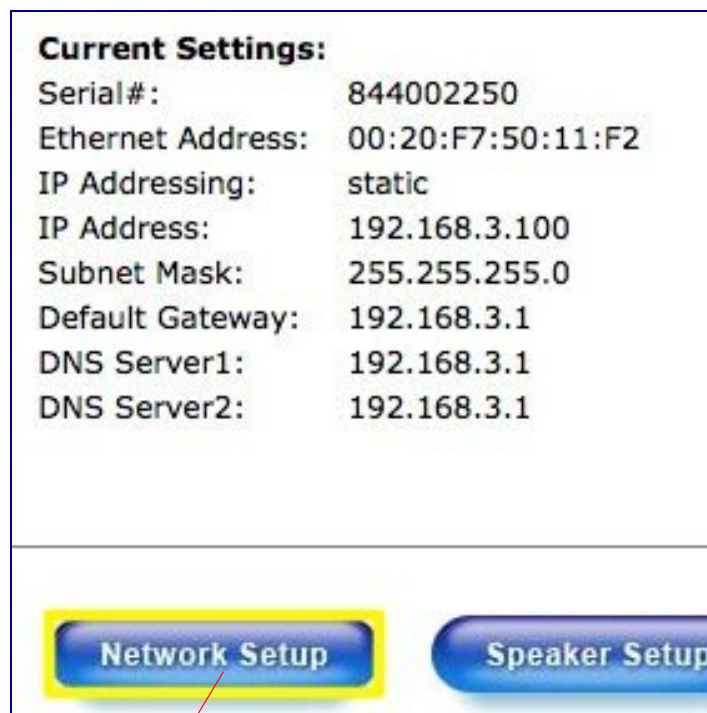
Notes:

4.0 Setup Procedure

To set up the Speakeasy Hosted VoIP Server for the CyberData VoIP Ceiling Speaker

1. Speakers are initially configured with the following settings:
 - **IP Addressing:** Static
 - **IP Address:** 192.168.3.10
 - **Subnet Mask:** 255.255.255.0
 - **Username/Password:** admin/admin
2. Connect the Speaker to an 802.3af (PoE) capable switch. If you do not have an 802.3af capable switch, then you will need a PoE injector from CyberData (P/N 010867A).
3. Connect your computer to the same switch as the Speaker (or connect "directly" if using a PoE injector) and configure your TCP/IP settings as follows:
 - **IP Address:** 192.168.3.1
 - **Subnet Mask:** 255.255.255.0
 - **Gateway:** 192.168.3.10
4. Open a web browser to **http://192.168.3.10** and you will see a summary screen.
5. Click on the **Network Setup** button.

Figure 4-1. CyberData Configuration Home Page



Network Setup

6. You are now on the Network Settings page.

Figure 4-2. Network Settings

Network Setup

IP Addressing: Static DHCP *

IP Address: *

Subnet Mask:

Default Gateway:

DNS Server1: *

DNS Server2: *

** changing this parameter causes system reboot when saved*

Save Settings

Save Settings

7. Configure the Speaker's network settings with either Static or DHCP enabled.
8. If Static, make sure the IP subnet matches the LAN side of the Edgemarc and you choose an IP address outside of the DHCP range.
9. When finished, click **Save Settings**. After the Speaker reboots, select **SIP Setup**.

10. Configure SIP settings as follows (see Figure 4-3):
 - **SIP Server:** This is set to the Speakeasy domain, or speakeasy.net
 - **Outbound Proxy:** Set this to the LAN IP of your Edgemarc router. Optimally, you will have this device behind an Edgemarc with SIP Survivability (DR License) enabled.
 - **Remote/Local SIP Port:** 5060
 - **SIP User ID:** Line/Port ID as configured in Broadworks, which is comprised of a unique identifier, telephone number and extension of the user assigned to this device.
 - **Authenticate ID:** Telephone number for the user assigned to this device.
 - **Authenticate Password:** SIP Password for the user assigned to this device.
 - **SIP Registration:** Yes
 - **Register Expiration:** 60

Figure 4-3. SIP Settings

SIP Setup

SIP Server: speakeasy.net *

Outbound Proxy: 192.168.3.1 *

Remote SIP Port: 5060 *

Local SIP Port: 5060 *

SIP User ID: [redacted] 2067925288_5288 *

Authenticate ID: 2067925288 *

Authenticate Password: [redacted] *

SIP Registration: Yes No *

Unregister on Reboot: Yes No *

Register Expiration (minutes): 60 *

** changing this parameter causes system reboot when saved*

Save Settings

Save Settings

11. Click **Save Settings** when you are finished here.
12. Congratulations! You have finished setting up your CyberData VoIP Ceiling Speaker for use with Speakeasy Hosted VoIP! For help with advanced product configuration settings, please contact CyberData (www.CyberData.net)