

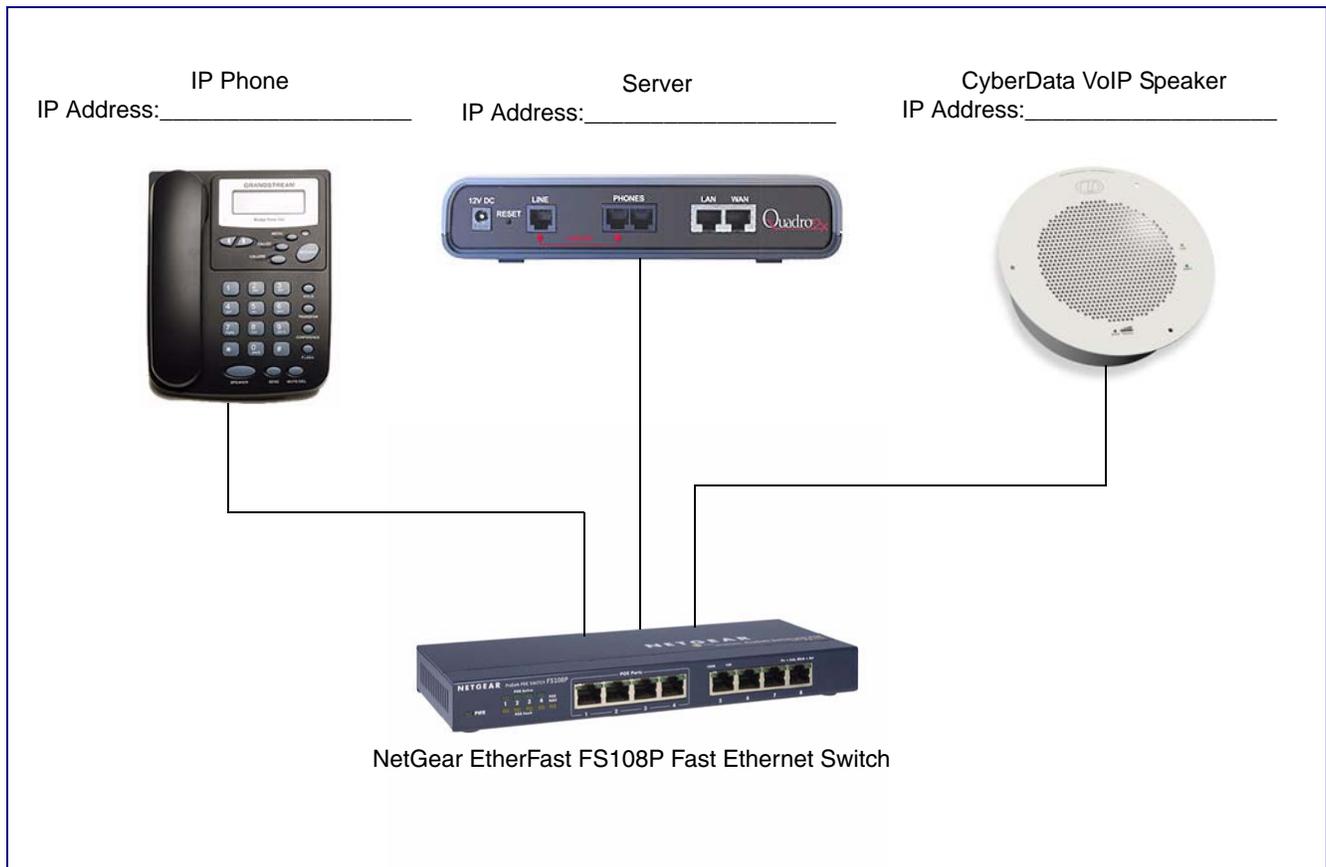


Epygi Server VoIP Ceiling Speaker Setup Guide

1.0 Setup Diagram

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

Figure 1. Setup Diagram



2.0 Host Environment

Table 1. Host Environment Details

	Description
Hardware Type	Quadro
Hardware Version	2x
Software Type	Quadro
Software Version	5.0.17

3.0 Test Setup Equipment

Table 2. Test Setup Equipment

Equipment	Model	Version
Grandstream	BudgeTone-100	
Notes:		
NetGear EtherFast FS108P Fast Ethernet Switch		
Notes:		
VoIP Speaker	010844D	4.0.5
Notes:		

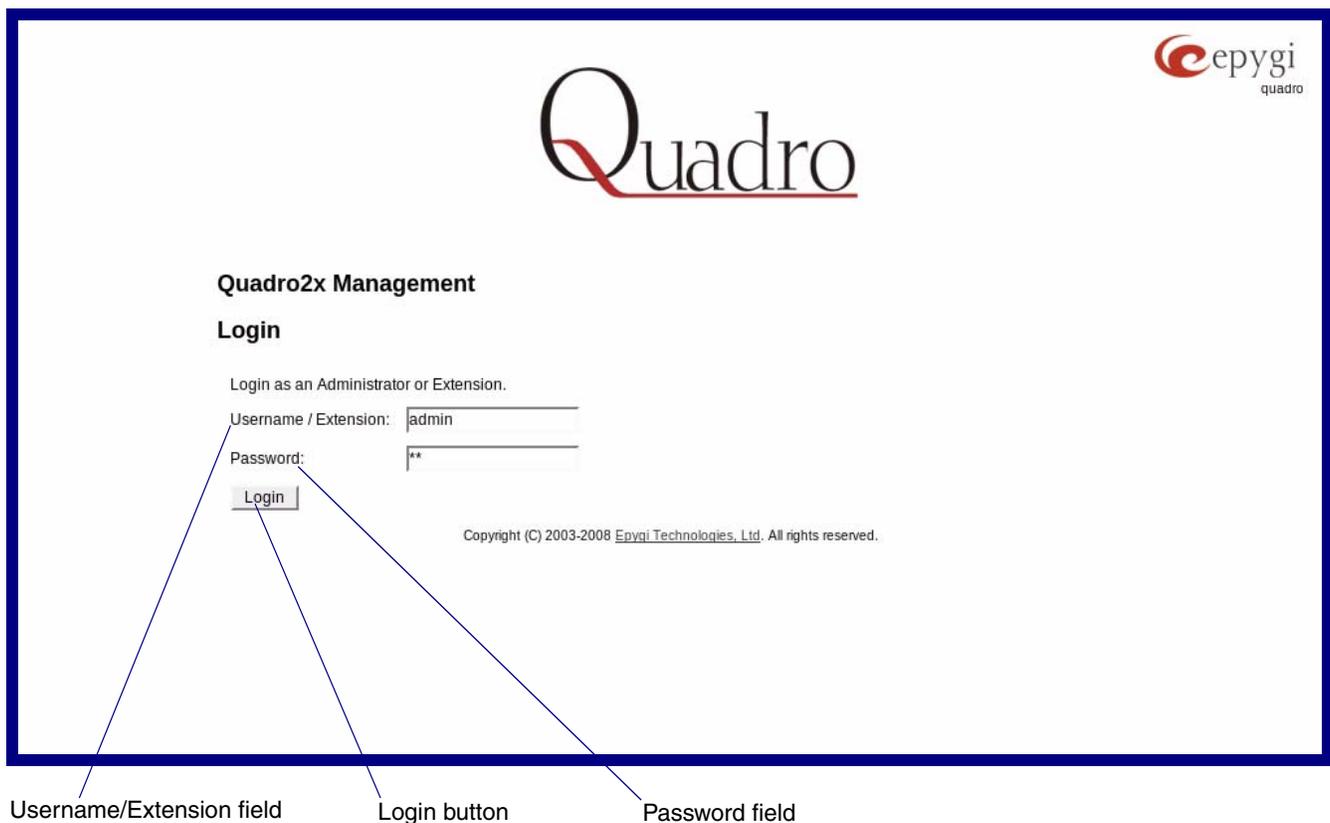
4.0 Setup Procedure

4.1 Epygi Server Configuration

To configure the Epygi server,

1. Navigate your web browser to the Epygi Quadro **Login** page and do the following:
 - Type the username or extension number into the **Username/Extension** field.
 - Type the password into the **Password** field.
 - Click on the **Login** button.

Figure 2. Login Page



2. On the Main Page (Figure 3), click on **Telephony**, and then select **Line Settings** in the pull-down menu.

Figure 3. Main Page

Main System Users **Telephony** Internet Uplink Network

epyki
quadro
Refresh in 493 seconds!

Quadro2x Management

Active Calls

Call Start Time	Call Duration	Calling Phone	Called Phone
No items in list.			

Internet connection status: DHCP Client
[Renew WAN IP Address](#)

Boot loader: 4.0.8/Release
Firmware Version: 5.0.17/Release
Users currently logged in:
- admin from 10.0.1.14, expires 17:10

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Telephony

3. On the **Line Settings** page (Figure 4), complete the following steps:
 - Click on **IP Line Settings**.
 - Select a line to configure for the Speaker and click on a **IP Line Number**.

Figure 4. Line Settings Page

The screenshot displays the 'Line Settings' page. At the top, there is a navigation menu with tabs: Main, System, Users, Telephony, Internet Uplink, and Network. The Epygi logo is in the top right corner. Below the navigation, the 'Line Settings' section is active. Under 'Onboard Line Settings', the 'IP Line Settings' link is highlighted. There are two checkboxes: 'Enable PnP for IP lines' (checked) and 'Enable firmware version control' (unchecked). Below this is a section titled 'Hide disabled IP lines' followed by a table of available IP lines.

Available IP Lines	Attached Extension	Type	Details
IP Line 1	113	SIP	UserName: snom113, Model: Other
IP Line 2	114	SIP	UserName: cd114, Model: Other
IP Line 3	115	SIP	UserName: locext115, Model: 480ICT, 00:08:5D:19:9B:28, Advanced Web Reboot
IP Line 4	116	SIP	UserName: 116, Model: GrandStream BT100, 00:0b:82:05:7f:0f, Web Reboot
IP Line 5	117	SIP	UserName: 117, Model: Other
IP Line 6	118	Inactive	
IP Line 7	119	Inactive	
IP Line 8	120	Inactive	
IP Line 9 (disabled)	121	Inactive	
IP Line 10 (disabled)	122	Inactive	
IP Line 11 (disabled)	123	Inactive	
IP Line 12 (disabled)	124	Inactive	
IP Line 13 (disabled)	125	Inactive	
IP Line 14 (disabled)		Inactive	
IP Line 15 (disabled)		Inactive	
IP Line 16 (disabled)		Inactive	

At the bottom of the page, there are 'Save' and 'Back' buttons on the left, and a 'Help' button on the right. A copyright notice at the very bottom reads: 'Copyright (C) 2003-2008 Epygi Technologies, Ltd. All rights reserved.'

4. On the **IP Line Settings - IP Line [Number]** page (Figure 5), complete the following steps:
 - Select **SIP Phone**.
 - In the **Phone Model** drop-down menu, select **Other**.
 - Decide what you want the username and password to be, and then type the username and password into the **Username** and **Password** fields.

Note Be sure to write down the username and password that you have chosen because you will need to type this information into the **SIP Setup** page (Figure 7 of Section 4.2, "CyberData Configuration").

- Click on the **Save** button.

Figure 5. IP Line Settings - IP Line [Number] Page

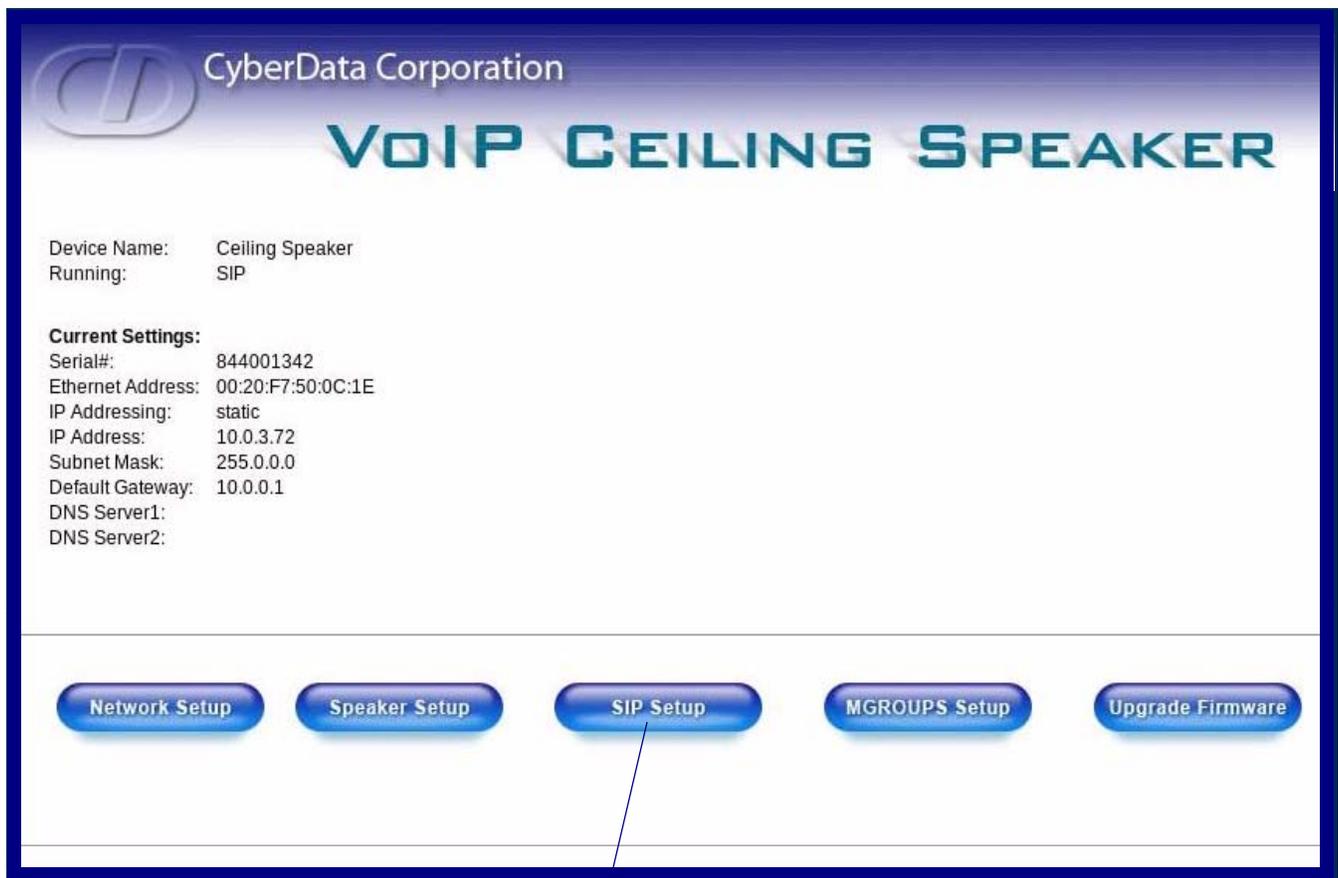
The screenshot displays the 'IP Line Settings - IP Line 5' configuration page. The page includes a navigation bar with tabs for 'Main', 'System', 'Users', 'Telephony', 'Internet Uplink', and 'Network'. The 'Telephony' tab is selected. The main content area shows a configuration form for 'IP Line 5'. The form has two radio buttons: 'Inactive' and 'SIP Phone'. The 'SIP Phone' radio button is selected. Below the radio buttons, there are several input fields: 'Phone Model' (a drop-down menu set to 'Other'), 'MAC Address' (a grid of six input boxes), 'Line Appearance' (a text box with '2'), 'Username' (a text box with '117'), and 'Password' (a text box with '*****'). There is also a checkbox for 'Use Session Timer'. At the bottom left of the form, there are 'Save' and 'Back' buttons. At the bottom right, there is a 'Help' button. A copyright notice at the bottom left reads 'Copyright (C) 2003-2008 Epygi Technologies, Ltd. All rights reserved.' Blue lines with labels point to the 'Save' button, the 'SIP Phone' radio button, the 'Password' field, the 'Username' field, and the 'Phone Model drop-down menu'.

4.2 CyberData Configuration

To configure the CyberData parameters,

1. Log into the CyberData Configuration Home page (Figure 6) by pointing your browser to the Speaker's IP address.

Figure 6. CyberData Home Page



SIP Setup button

For the initial configuration of the Speaker, refer to the Operation Guide of the Speaker that you have which can be found at the following web address:

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

Note You may also download CyberData's VoIP Discovery Utility program which allows you to easily find and configure the default web address of the CyberData VoIP Intercom. CyberData's VoIP Discovery Utility program is available at the following web address:

http://www.cyberdata.net/support/voip/discovery_utility.html

2. Type the username and password to log into the **CyberData Home Page**.

3. On the CyberData Home Page (Figure 6), click on the SIP Setup button. This will take you to the SIP Setup page (Figure 7).

Figure 7. CyberData SIP Setup Page

CyberData Corporation

VOIP CEILING SPEAKER

SIP Setup

SIP Server:	<input type="text" value="10.0.1.6"/>	*
Outbound Proxy:	<input type="text"/>	*
Remote SIP Port:	<input type="text" value="5060"/>	*
Local SIP Port:	<input type="text" value="5060"/>	*
SIP User ID:	<input type="text" value="405"/>	*
Authenticate ID:	<input type="text" value="405"/>	*
Authenticate Password:	<input type="text" value="405"/>	*
SIP Registration:	<input checked="" type="radio"/> Yes <input type="radio"/> No	*
Unregister on Reboot:	<input type="radio"/> Yes <input checked="" type="radio"/> No	*
Register Expiration (minutes):	<input type="text" value="2"/>	*

** changing this parameter causes system reboot when saved*

[Save Settings](#)

[Home Page](#) [Intercom Setup](#) [Network Setup](#) [Sensor Setup](#) [Upgrade Firmware](#)

Save Settings button

4. For a quick summary of all of the necessary settings on the **SIP Setup** page (Figure 7), see Table 3. For a step-by-step description of the necessary settings, go to Step 5.

Note If a setting parameter is not listed in Table 3 or Step 5, then your input for that setting parameter is not required.

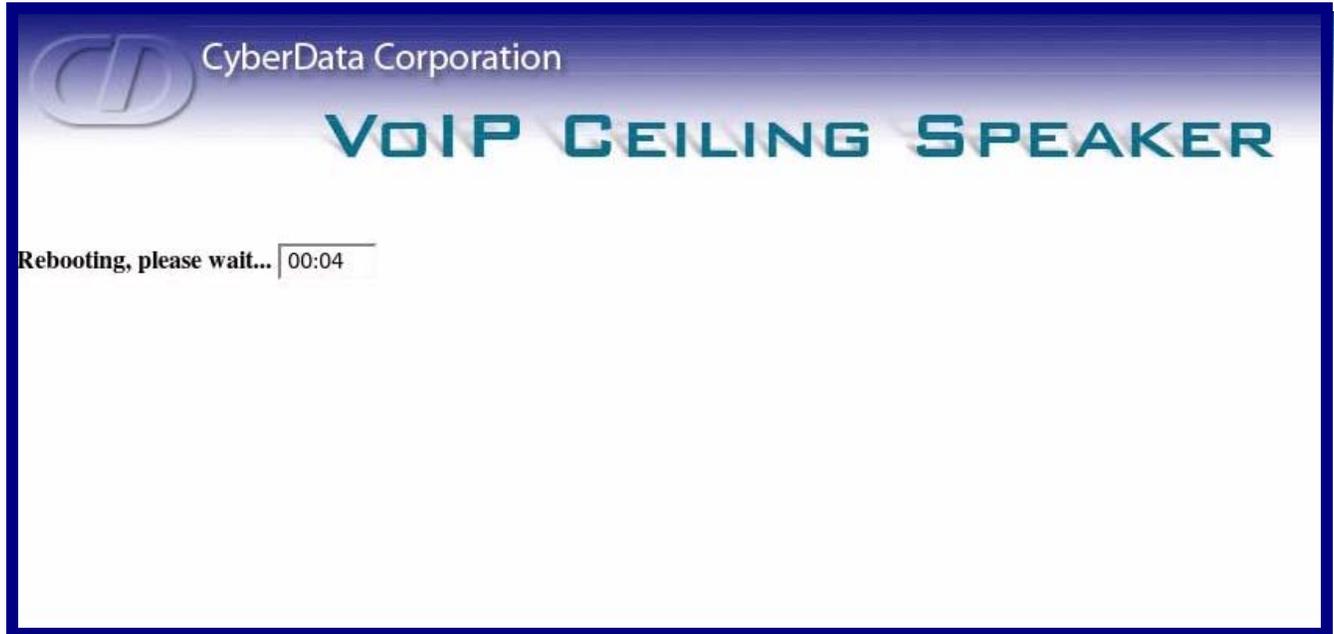
Table 3. SIP Setup Page Settings

SIP Setup Page Items	Setting
SIP Server	Type the IP address of the Epygi server.
SIP User ID	Type the username that you selected in Step 4 of Section 4.1, "Epygi Server Configuration".
Authentication ID	Type the username that you selected in Step 4 of Section 4.1, "Epygi Server Configuration".
Authentication Password	Type the password that you selected in Step 4 of Section 4.1, "Epygi Server Configuration".
SIP Registration	Select Yes .
Unregister on Reboot	Select No .
Register expiration (minutes)	Type 2 .
Save Settings button	Click on the Save Settings button only after you have finished configuring all of the settings on the SIP Setup page.

5. On the **SIP Setup** page (Figure 7), complete the following steps:
- In the **SIP Server** field, type the IP address of the Epygi server.
 - In the **SIP User ID** field, type the username that you selected in Step 4 of Section 4.1, "Epygi Server Configuration".
 - In the **Authentication ID** field, type the username that you selected in Step 4 of Section 4.1, "Epygi Server Configuration".
 - In the **Password** field, type the password that you selected in Step 4 of Section 4.1, "Epygi Server Configuration".
 - For **SIP Registration**, select **Yes**.
 - For the **Unregister on Reboot** field, select **No**.
 - In the **Register expiration (minutes)** field, type **2**.
6. Click on the **Save Settings** button.

7. After clicking on the **Save Settings** button, a reboot timer countdown will begin.

Figure 8. Reboot Timer



8. After the Speaker reboots, the green **Status** LED will blink at one second intervals to indicate normal operation.
Note If **Yes** is selected for **Speaker Beep After Initialization** on the **Setup** page of the Speaker (not shown), you will hear a tone after the initialization sequence is complete.
9. To test the Speaker, complete the following steps:
 - Pick up any phone that is configured to the Epygi system and call the Speaker's extension number.
 - When a connection is established (as indicated by a beep), speak into the phone and verify that you can hear your voice through the Speaker.

This step completes the procedure.