CyberData

VoIP Ceiling Speaker with Allworx 6x Server Setup Guide

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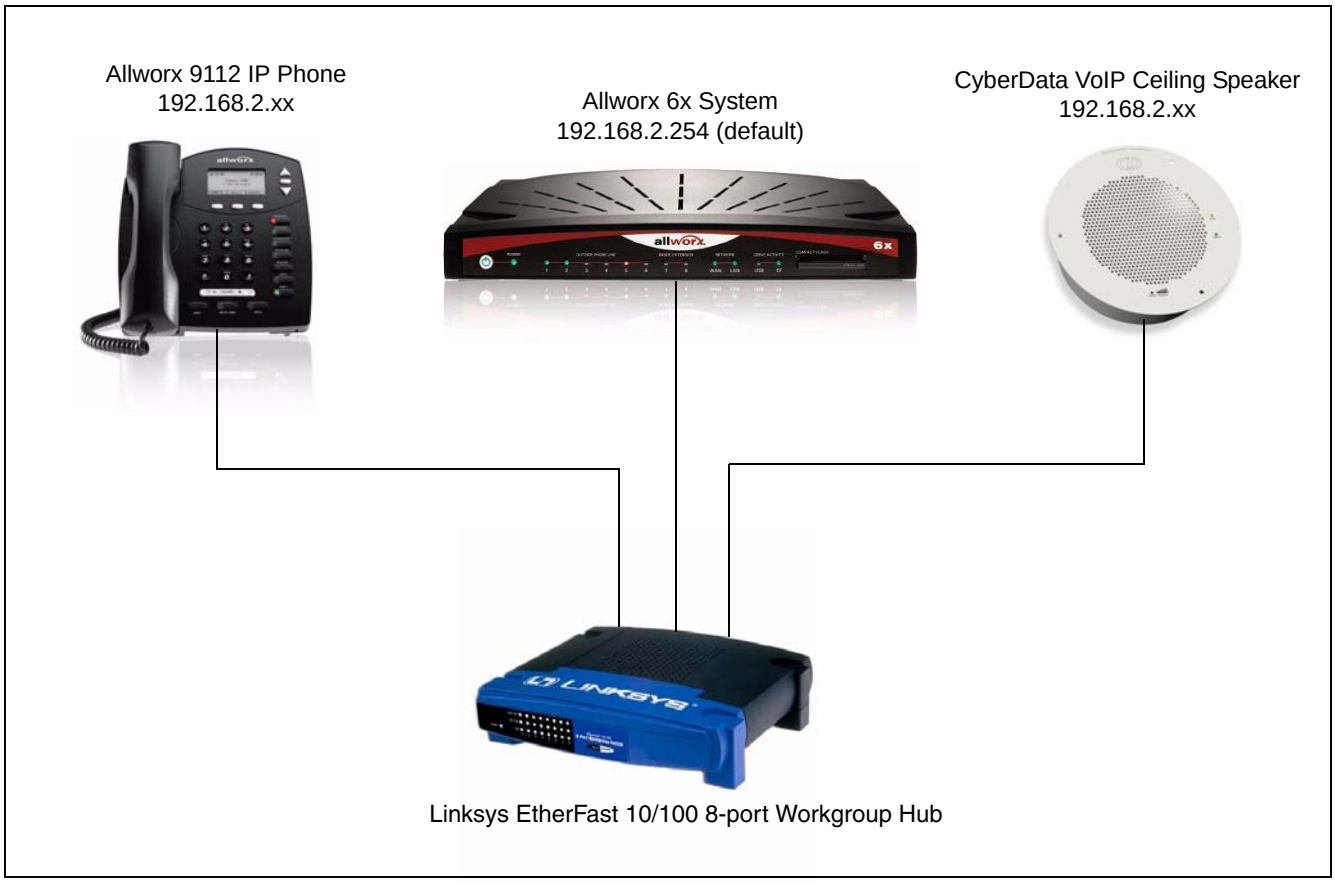
1.0 Setup Diagram

Figure 1-1 is a setup diagram for a single VoIP speaker configuration. In this configuration, the 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	Allworx 6x
Hardware Version	Configuration 04
Software Type	
Software Version	6.8.3.1

3.0 Test Setup Equipment

Table 3-1. Test Setup Equipment

Equipment	Model	Version
Allworx VoIP Phone	9112	1.8.2.1
Notes:		
Allworx System	6x	6.8.3.1
Notes:		
CyberData VoIP Ceiling Speaker	010844D	4.01
Notes:		
Linksys EtherFast 10/100 8-port Workgroup Hub	EFAH08W	2.0
Notes:		
Notes:		
Notes:		
Notes:		
Notes:		
Notes:		

4.0 Setup Procedure

To set up the Allworx 6x SIP Server for the CyberData VoIP Ceiling Speaker,

1. Go to the **Login** page. By default, the login can be found at the following web address:

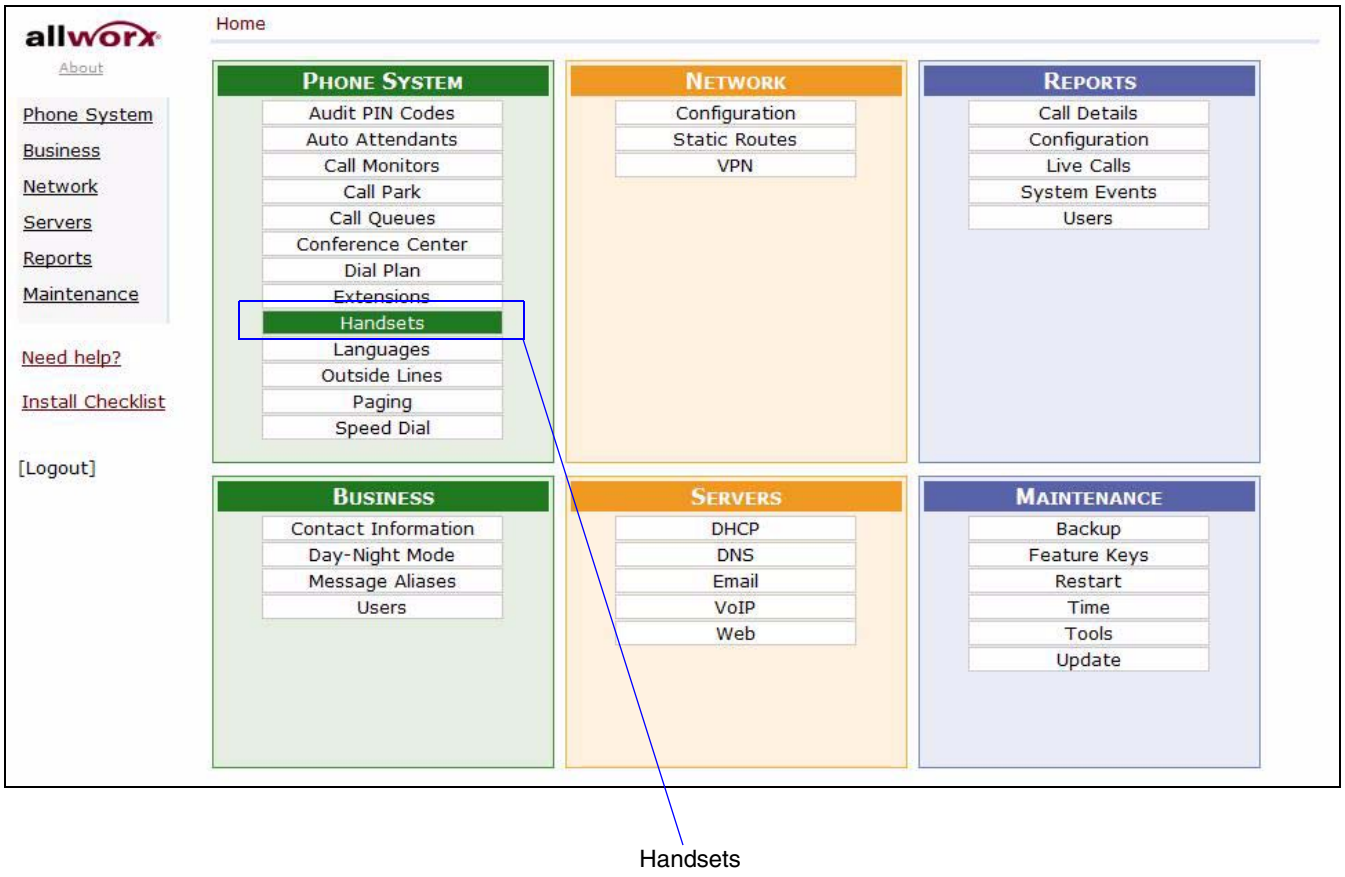
   192.168.2.254:8080

2. On the **Login** page, enter the password and click on **Login** to go to the **Home** page. The default password is **admin**.

Figure 4-2. Login

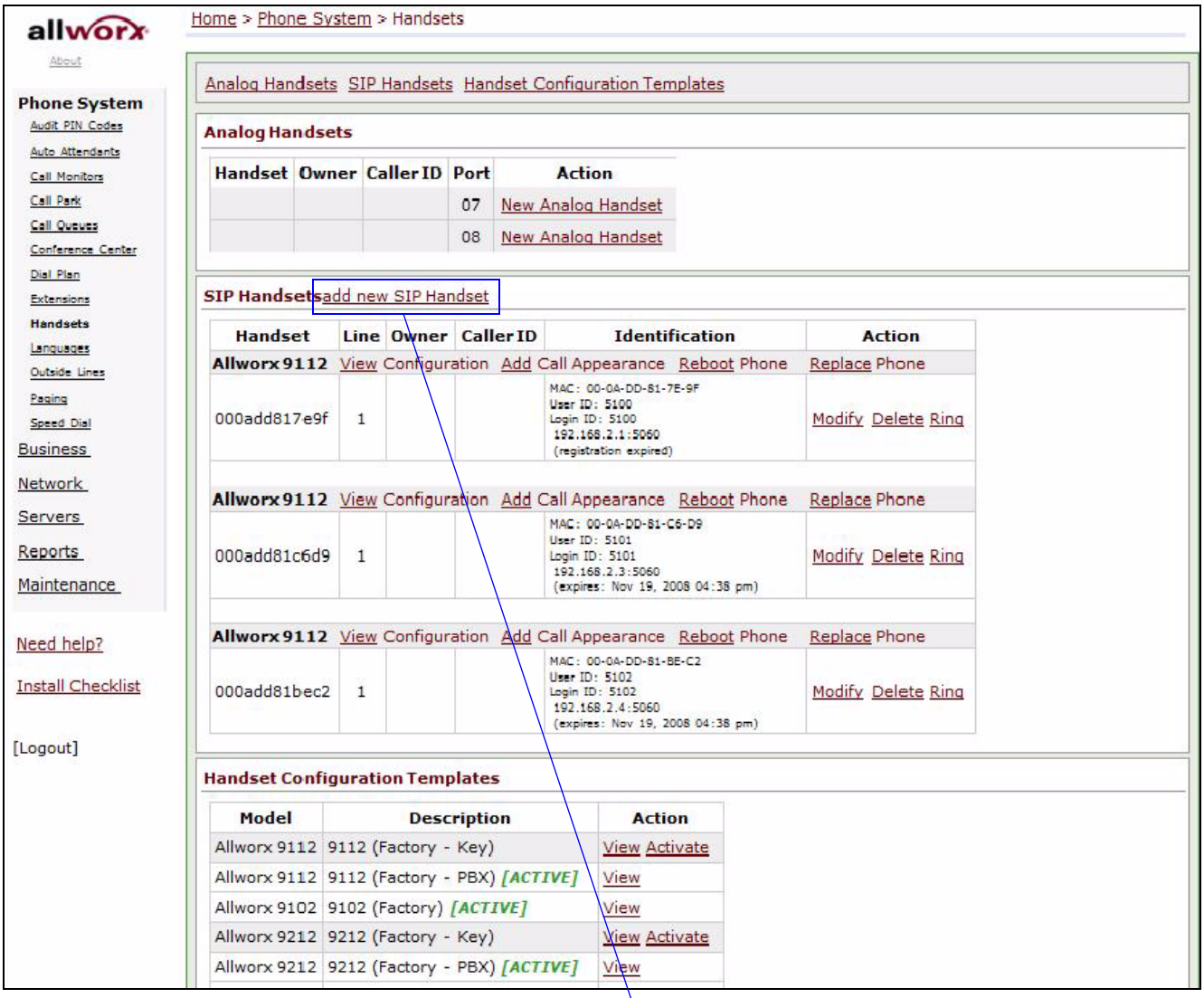
3. On the **Home** page, go to the **PHONE SYSTEM** section and click on **Handsets** to go to the **Handsets** page.

Figure 4-3. Home Page



4. On the **Handsets** page, go to the **SIP Handsets** section and click on **Add new SIP Handsets** to go to the **Add new SIP Handsets** page.

Figure 4-4. Handset Page

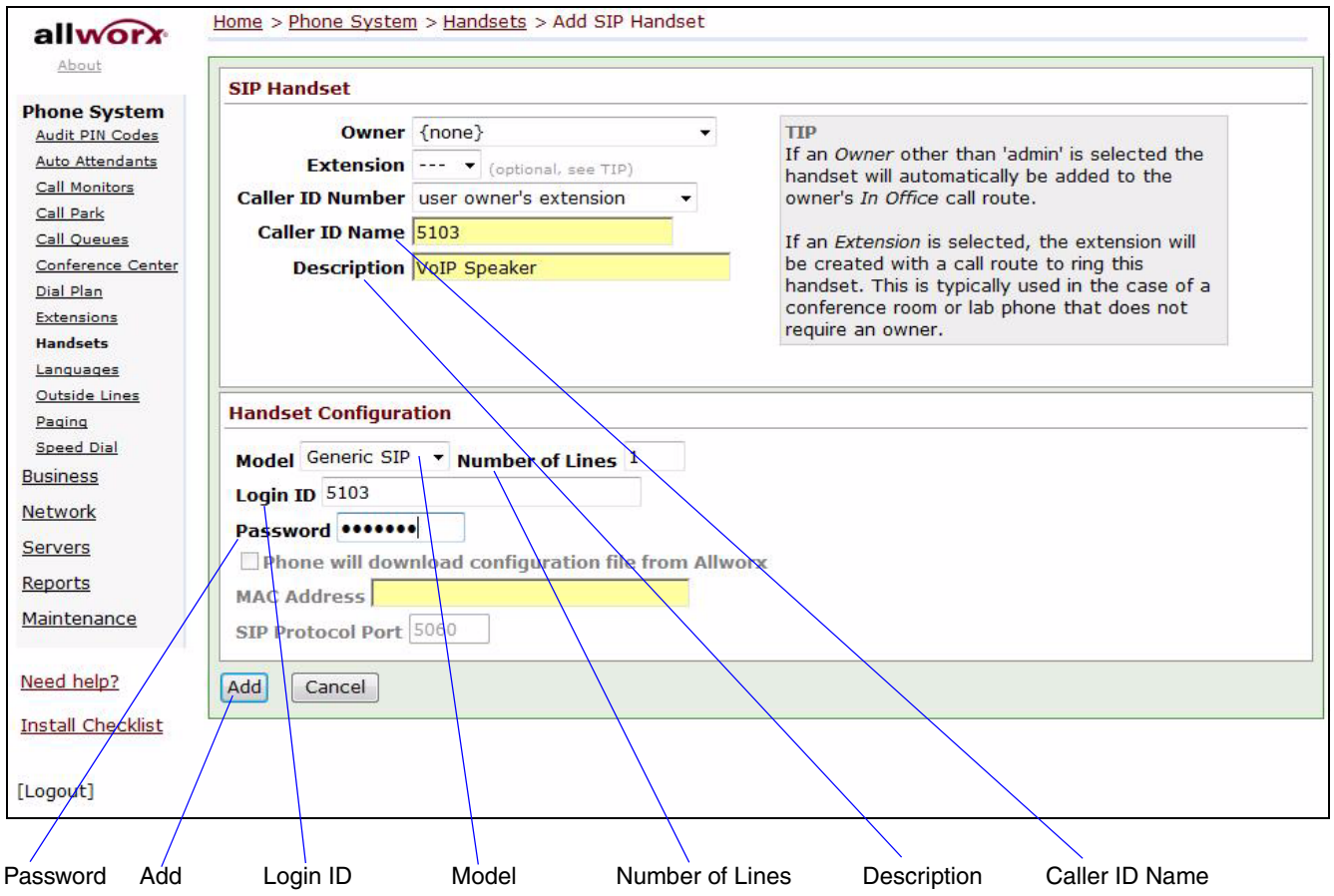


add new SIP Handset

5. On the **Add SIP Handsets** page, enter the following information as shown in Figure 4-5:
   - Caller ID Name
   - Description
   - Model
   - Number of Lines
   - Login ID
   - Password

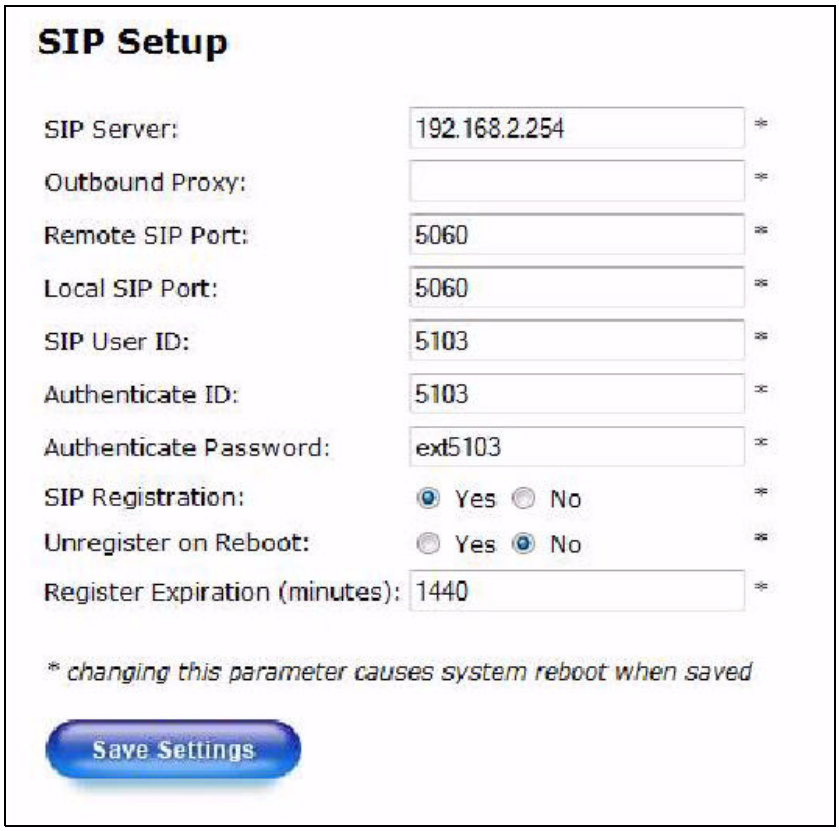
Note The information that you enter must match the SIP information in the Ceiling Speaker. In Figure 4-5, the speaker is set for extension **5103**.

Figure 4-5. SIP Handset Add



Note Figure 4-6 is an example of a CyberData VoIP Ceiling Speaker that is configured to extension **5103**.

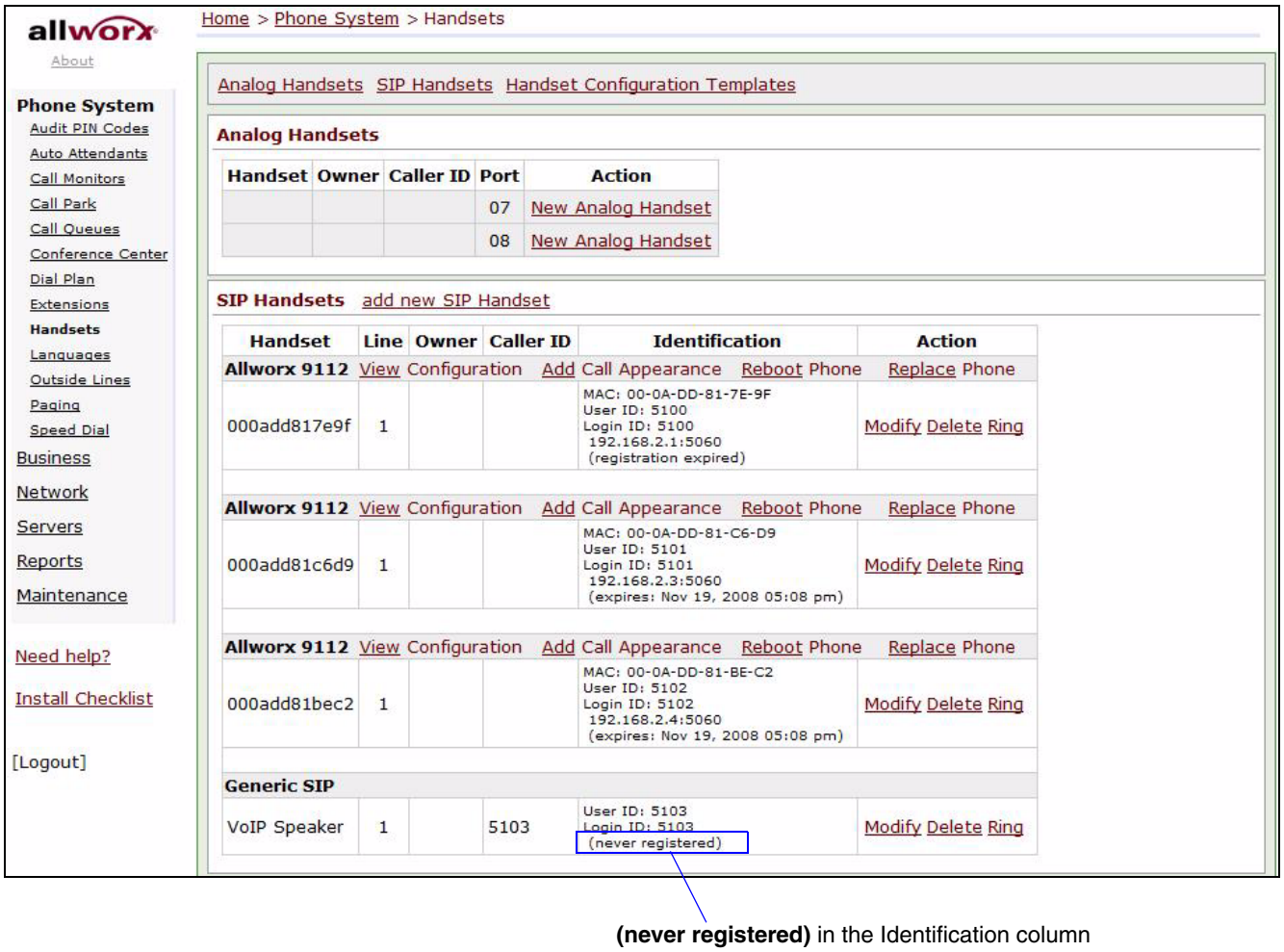
Figure 4-6. Ceiling Speaker Configured to Extension 5103



6. Click **Add** to go back to the **SIP Handsets** page.

7. Upon returning to the **SIP Handsets** page, you will see **(never registered)** in the **Identification** column of the **Generic SIP** section.

Figure 4-7. SIP Handset Never Registered



(never registered) in the Identification column

8. To register the speaker, you will need to reboot the speaker by logging into the CyberData Configuration Home page.

9. Log into the CyberData Configuration Home page (Figure 4-8) by pointing your browser to the speaker's IP address.

   For the initial configuration of the speaker, refer to the VoIP Ceiling Speaker Operation Guide which can be found at the following web address:

   http://www.cyberdata.net/support/voip/ceilingspeaker.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 products. CyberData's VoIP Discovery Utility program is available at the following web address:

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

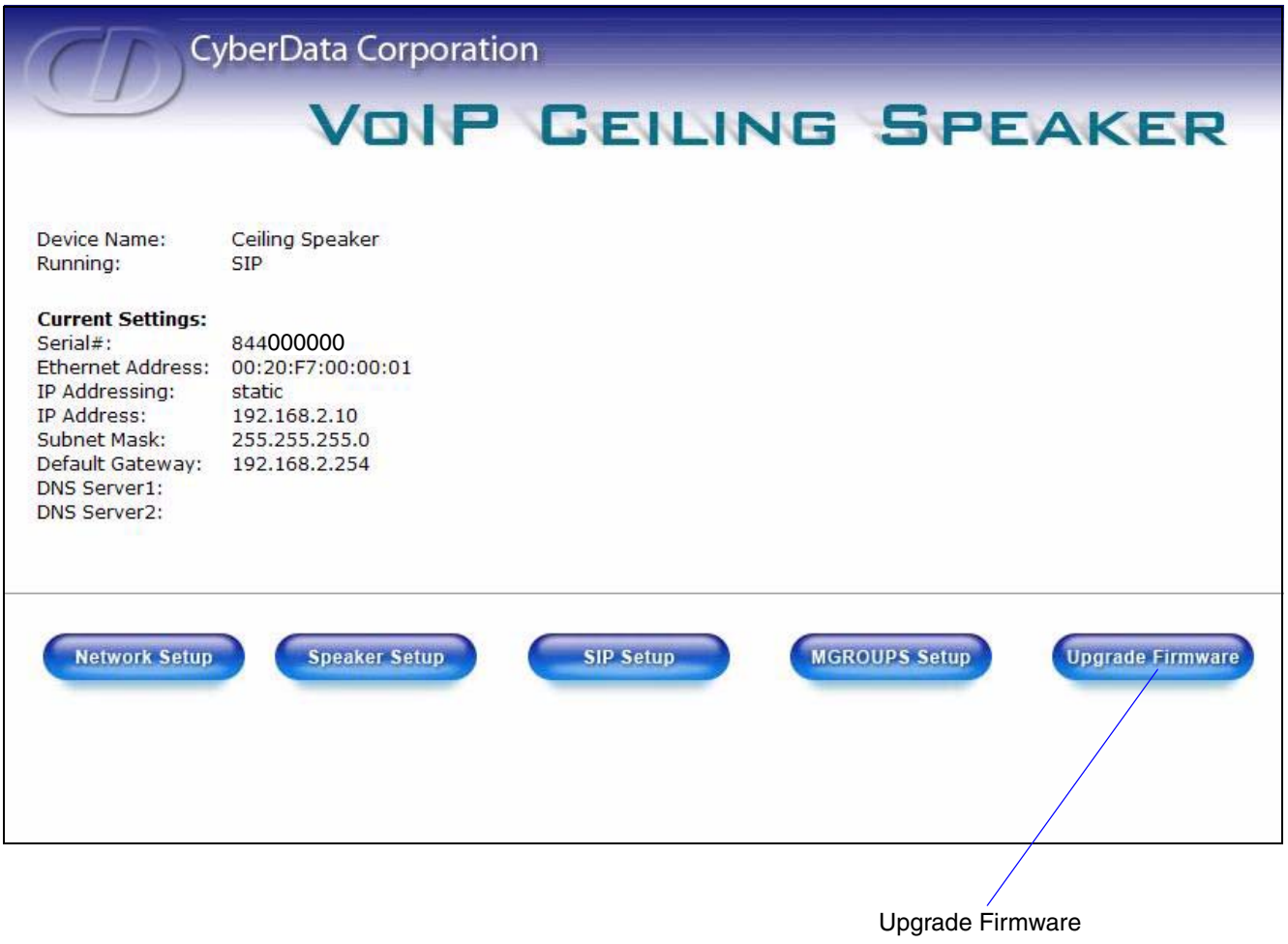
10. When prompted, enter the following **Web Access Username** and **Web Access Password** to access the CyberData Configuration Home page (Figure 4-8):

    Default Login:

    Web Access Username: **admin**

    Web Access Password: **admin**

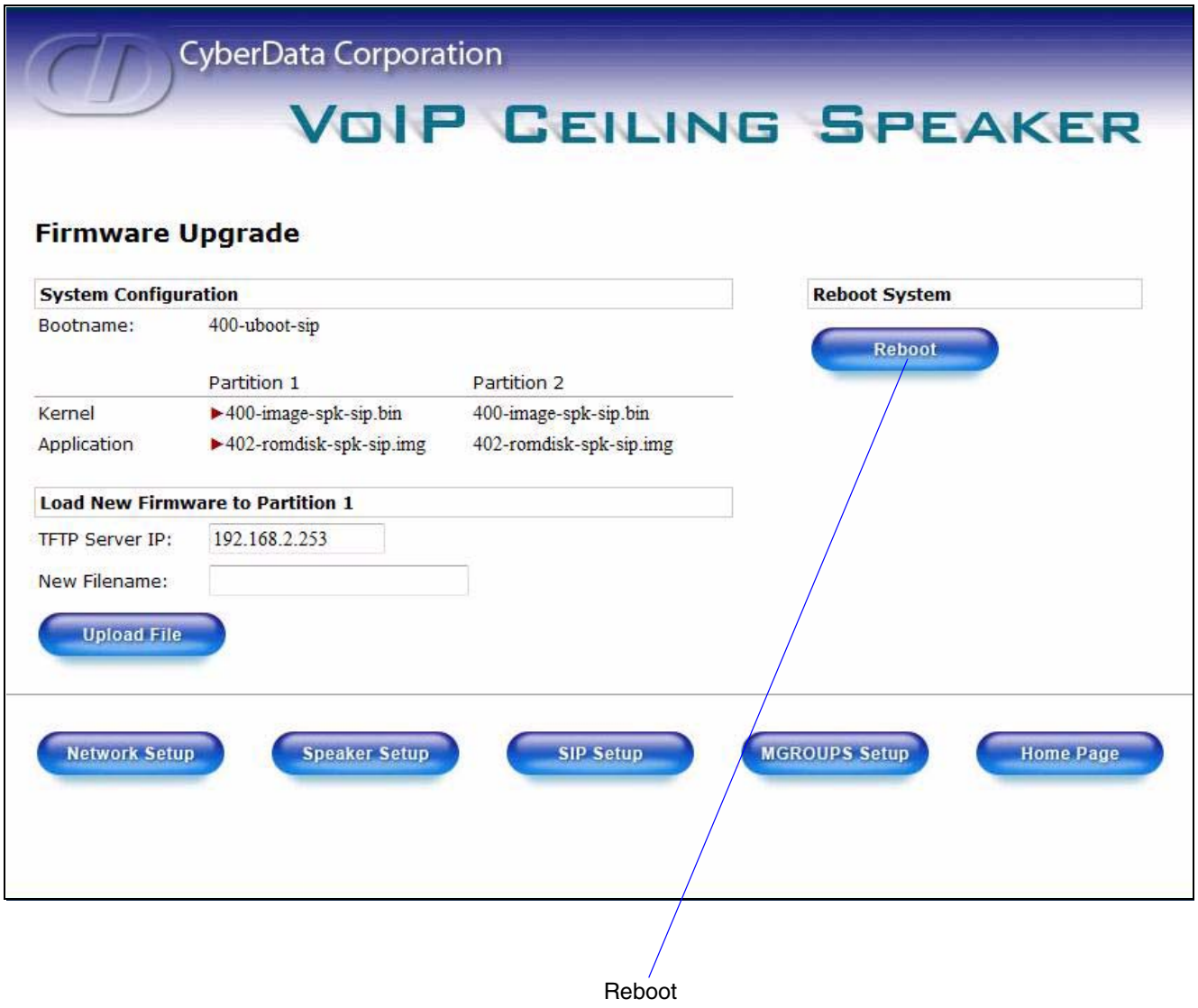
Figure 4-8. CyberData Configuration Home Page



11. Click **Upgrade Firmware** to open the **Firmware Upgrade** page.

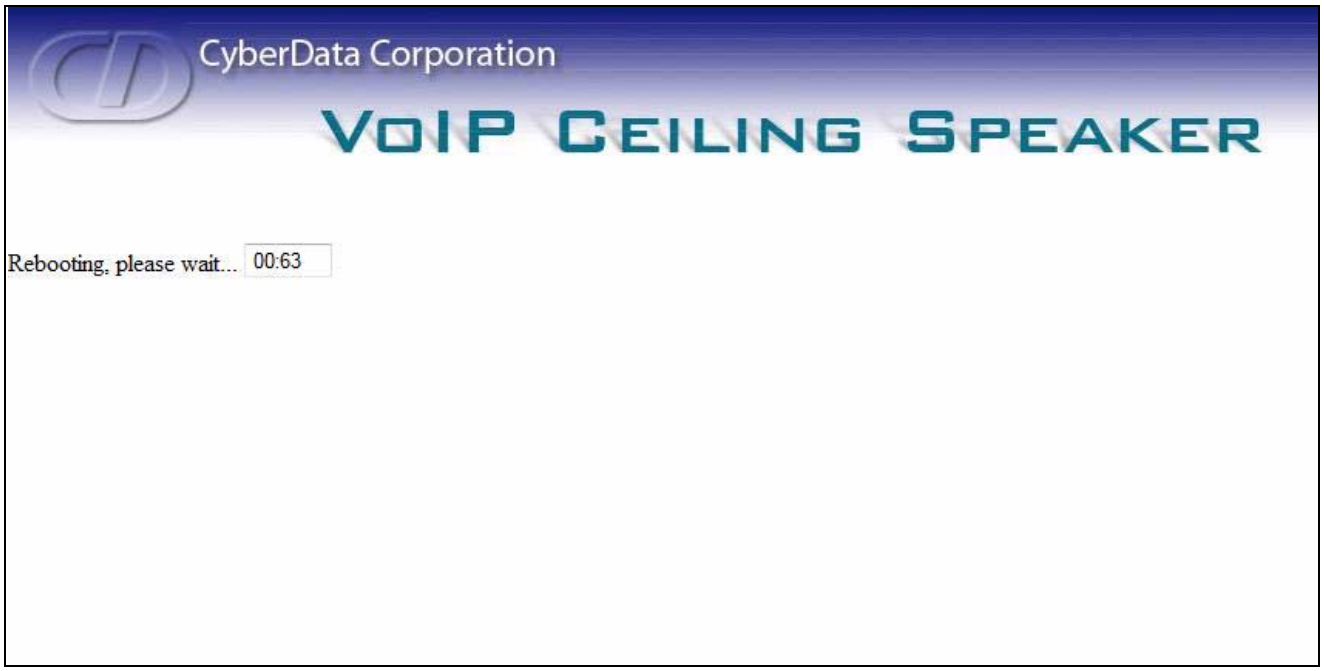
12. On the **Upgrade Firmware** page, click on **Reboot**.

Figure 4-9. Reboot VoIP Speaker



13. After clicking on **Reboot**, a reboot timer countdown will begin.

Figure 4-10. Speaker Reboot Timer

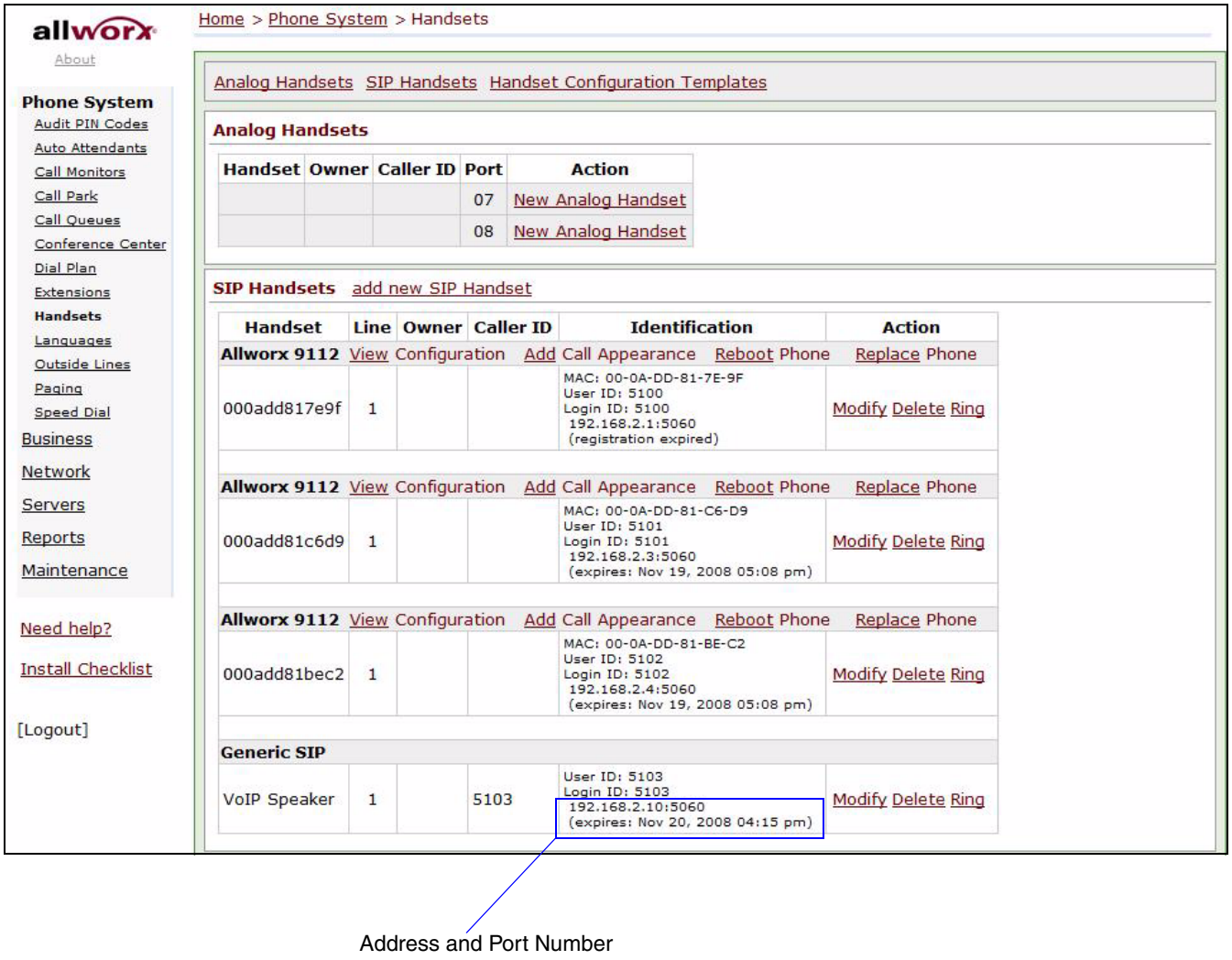


14. After the speaker reboots, the green **Status** LED on the speaker will blink at one second intervals to indicate normal operation.

    Note If **Yes** is selected for **Speaker Beep After Initialization** on the **Speaker Setup** page, you will hear a tone after the initialization sequence is complete.

15. Refresh the **SIP Handsets** web page and verify that the speaker is registered. The **Identification** column of the **Generic SIP** row shows the address and port that the speaker is using.

Figure 4-11. Successfully Registered Speaker



16. To test the speaker, pick up any phone that is configured to the Allworx system and call the speaker's extension number.

17. 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.