

# ShoreTel and CyberData Server Setup Guide

Testing and validation with the help of StormWood Technologies:

#### StormWood Technologies

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# 1.0 Setup Procedure

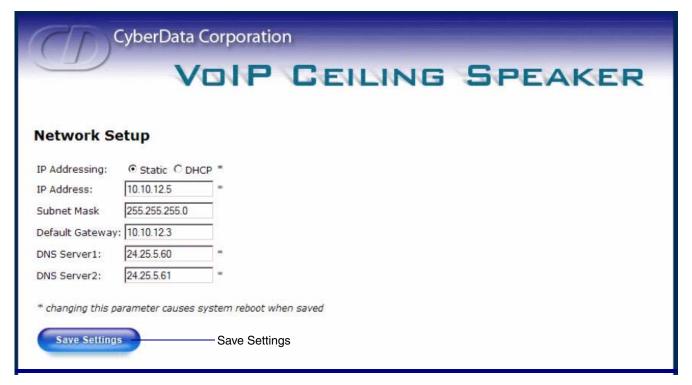
## 1.1 CyberData Configuration

- 1. Verify and configure the IP address and subnet that the speaker phone will reside in.
- 2. On the Network Setup page (Figure 1), enter values for the parameters indicated in Table 1.

**Table 1. Network Setup Parameters** 

Web Page Item	Description
IP Addressing*	Select either <b>DHCP IP Addressing</b> or <b>Static IP Addressing</b> by marking the appropriate radio button.
IP Address*	Enter the Static IP address.
Subnet Mask	Enter the Subnet Mask address.
Default Gateway	Enter the Default Gateway address.
DNS Server 1*	Enter the DNS Server 1 address.
DNS Server 2*	Enter the DNS Server 2 address.
Save Settings	Click this button to save your configuration settings. Changing a parameter that has an asterisk next to it will cause a system reboot when saved.

Figure 1. Network Setup



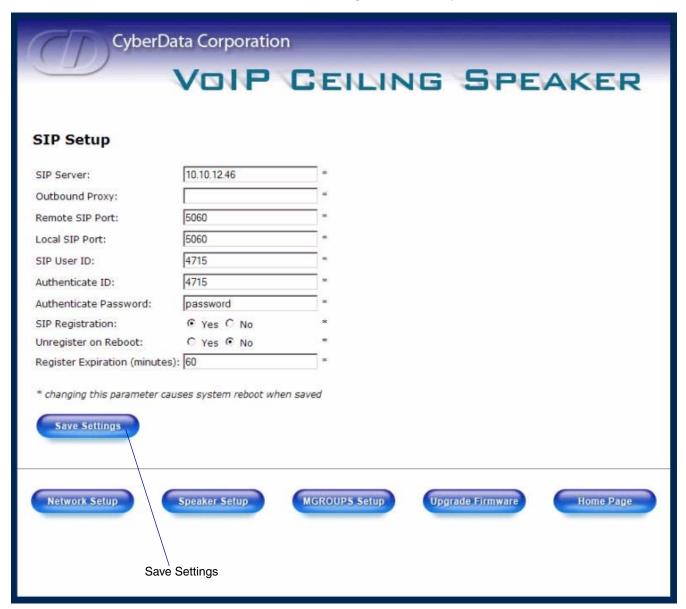
3. Review the SIP Setup page (Figure 2) and enter values for the fields indicated in Table 2.

**Table 2. SIP Setup Page Parameters** 

Field	What to Enter
SIP User ID	The SIP User ID is the value in the First Name field on the Individual User page (Figure 7).
Authentication ID	The <b>Authentication ID</b> is the value in the <b>Extension</b> field on the <b>Individual User</b> page (Figure 8).
Authentication Password	Authentication Password is the value in the SIP Password field on the Individual User page (Figure 8).

4. Click on the Save Settings button and the speaker phone will reset.

Figure 2. SIP Setup

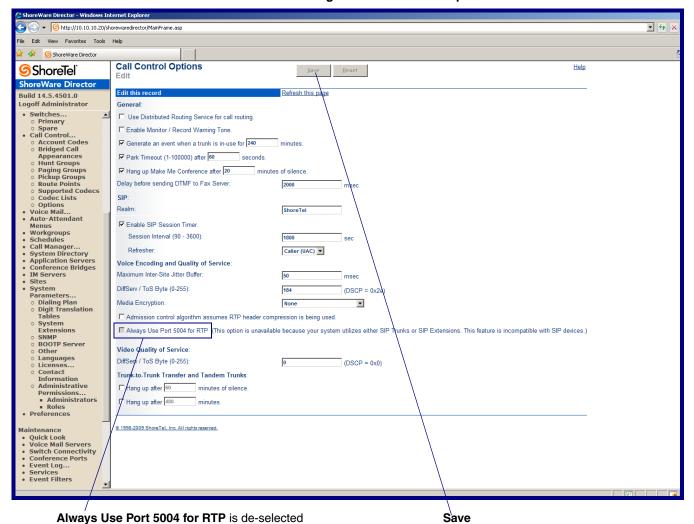


### 1.2 ShoreTel Configuration

1. Make sure that the checkbox for Always Use Port 5004 for RTP setting is de-selected (Figure 3).

**Note** If the **Always Use Port 5004 for RTP** setting checkbox is selected, all of the servers, switches and phones will have to be reset in order for this change to take effect. Select **Save** after the change is made.

**Figure 3. Call Control Options** 

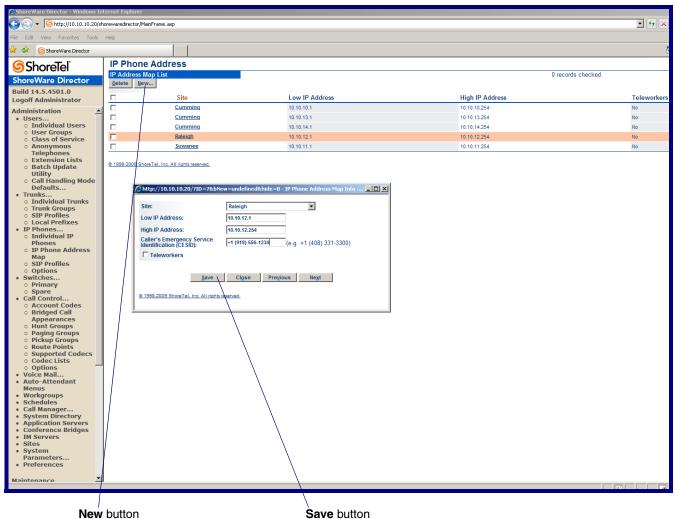


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2. Verify that an IP Phone Map is defined for the subnet that the speaker resides on.

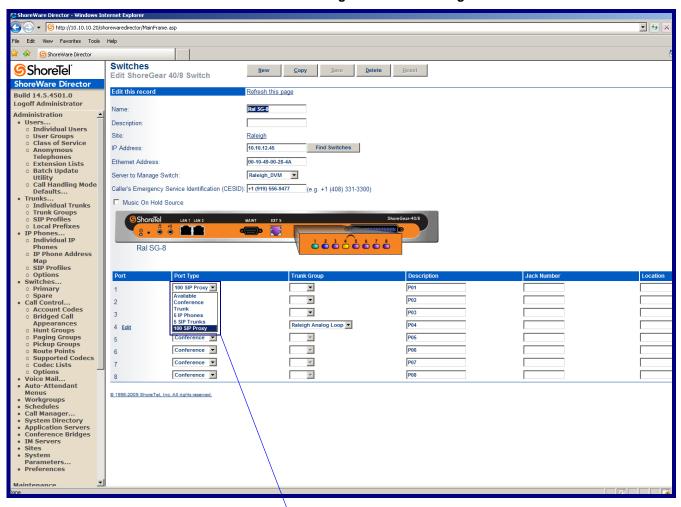
**Note** If an IP Phone Map is not defined, define one by clicking on the **New** button. After the IP Phone Map is defined, click on the **Save** button in the dialog window shown in Figure 4.

Figure 4. IP Phone Address Page—IP Address Map List



- 3. Configure a port on the ShoreTel Switch to 100 SIP Proxy as shown for port one in Figure 5.
- 4. Click on the **Save** button.

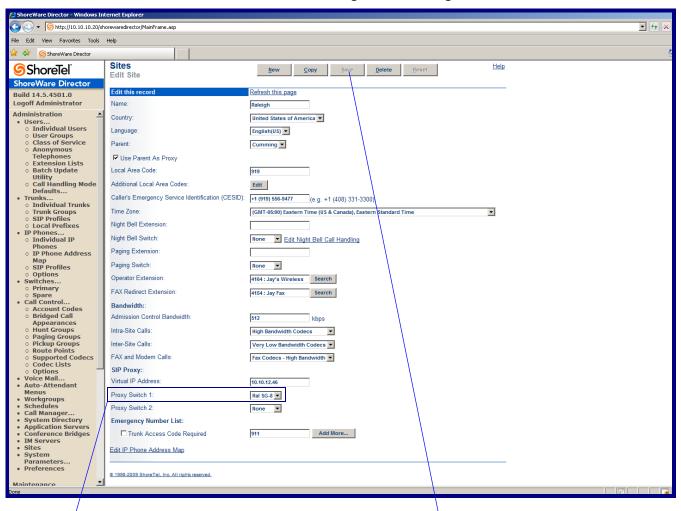
Figure 5. Switches Page



Port One configured to 100 SIP Proxy

- 5. On the **Site** page (Figure 6), define an unused IP address to be the **SIP Proxy** IP address by typing the IP address into the **Virtual IP Address** field.
- 6. Click on the drop-down list box for **Proxy Switch 1** and select the switch (**RAL SG-8** is selected in Figure 6).
- 7. Click on the **Save** button.

Figure 6. Sites Page

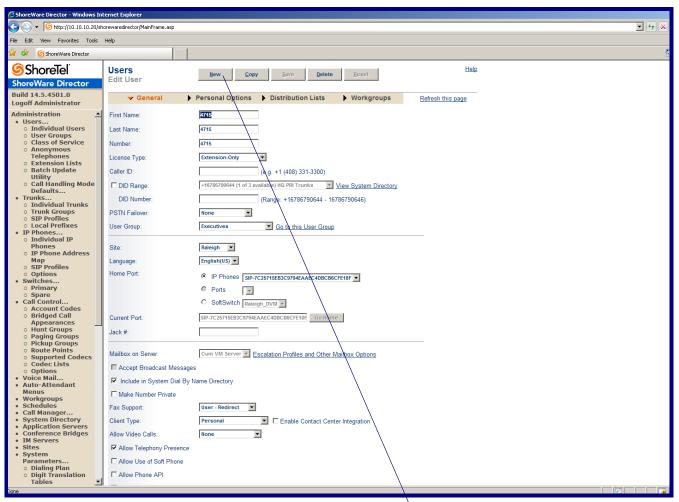


Proxy Switch 1 Save button

8. On the **Users** page (Figure 7), create a new user by clicking on the **New** button.

**Note** Figure 8 shows the SIP configuration details. Click on the **Save** button after configuration is complete.

Figure 7. Individual User Page



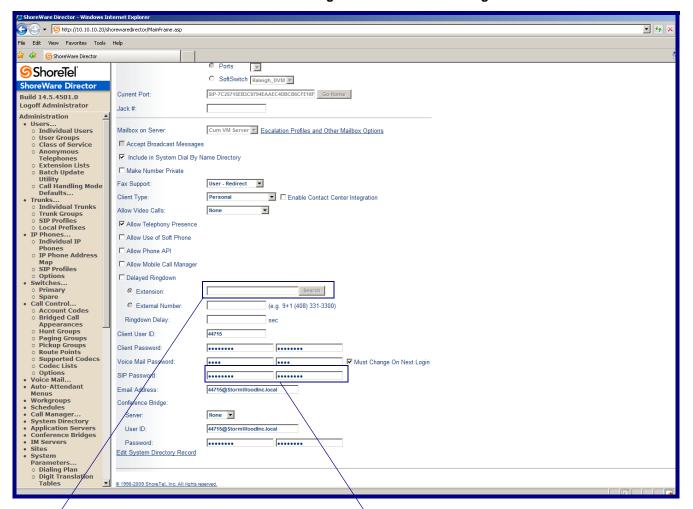
**New** button

9. On the **Individual User** page, you need to create or define a matching SIP Password on the speaker (see Figure 2) and in the Individual User **SIP Password** (Figure 8). In Figure 8, the word *password* was used for the **SIP Password**.

**Note** ShoreTel requires a password of 6 to 26 characters.

10. Click on the Save button.

Figure 8. Individual User Page

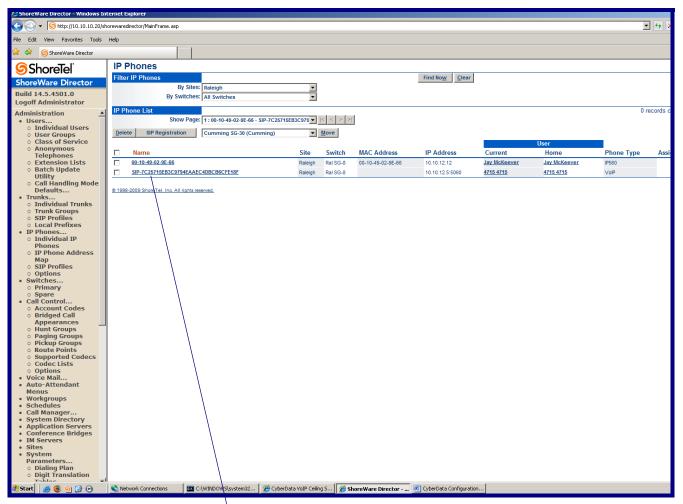


Extension field (also used as Authentication ID)

SIP Password field (also used as Authentication Password)

11. On the **IP Phones** page (Figure 9), A SIP IP phone should appear. Verify that the new SIP phone has registered on to the ShoreTel system.

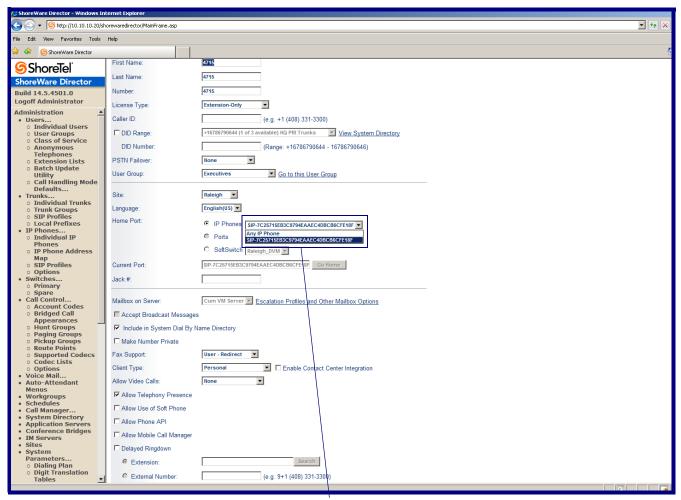




SIP IP phone

- 12. On the **Users** page (Figure 10), assign the SIP Speaker Phone to the newly created Individual User earlier created.
- 13. Click on the **Save** button.

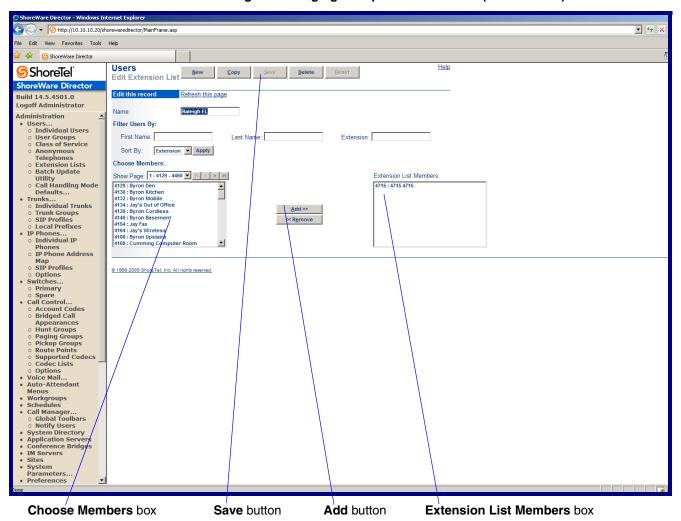
Figure 10. Assign the SIP Speaker Phone to the User



SIP speaker phone assigned to the newly created Individual User

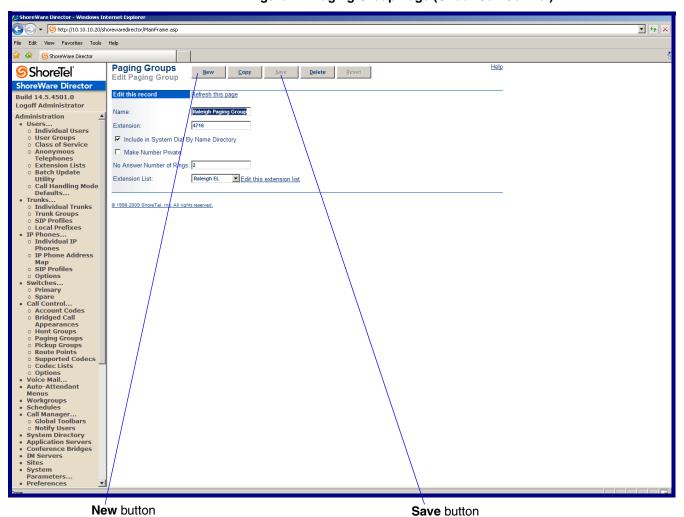
- 14. On the Users page (Figure 11), create an extension list by clicking on the New button.
- 15. Click to select the speaker phones in the Choose Members box that you want to move to the **Extension List Members** box.
- Click on the Add button to add all of the selected speaker phones to the Extension List Members box.
- 17. Click on the Save button.

Figure 11. Paging Group—Extension List (Under Users)



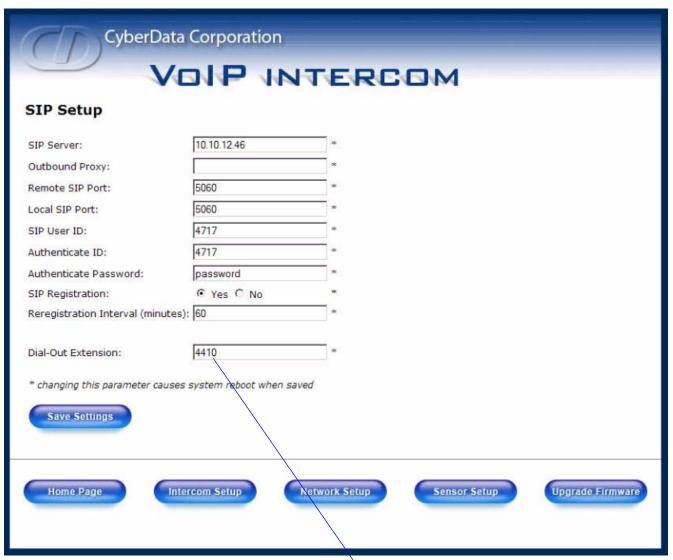
- 18. On the **Paging Groups** page (Figure 12), create a paging group and assign the appropriate extension list as shown.
- 19. Click on the **Save** button.

Figure 12. Paging Group Page (Under Call Control)



20. On the **SIP Setup** page (Figure 13), the call box configuration is the same as the speaker phone configuration with the exception of the **Dial Out Extension** setting. Set the **Dial Out Extension** to the ShoreTel extension/work group/hunt group that you want to dial out to. In Figure 13, the extension is **4410**.

Figure 13. Call Box Configuration



**Dial Out Extension**