

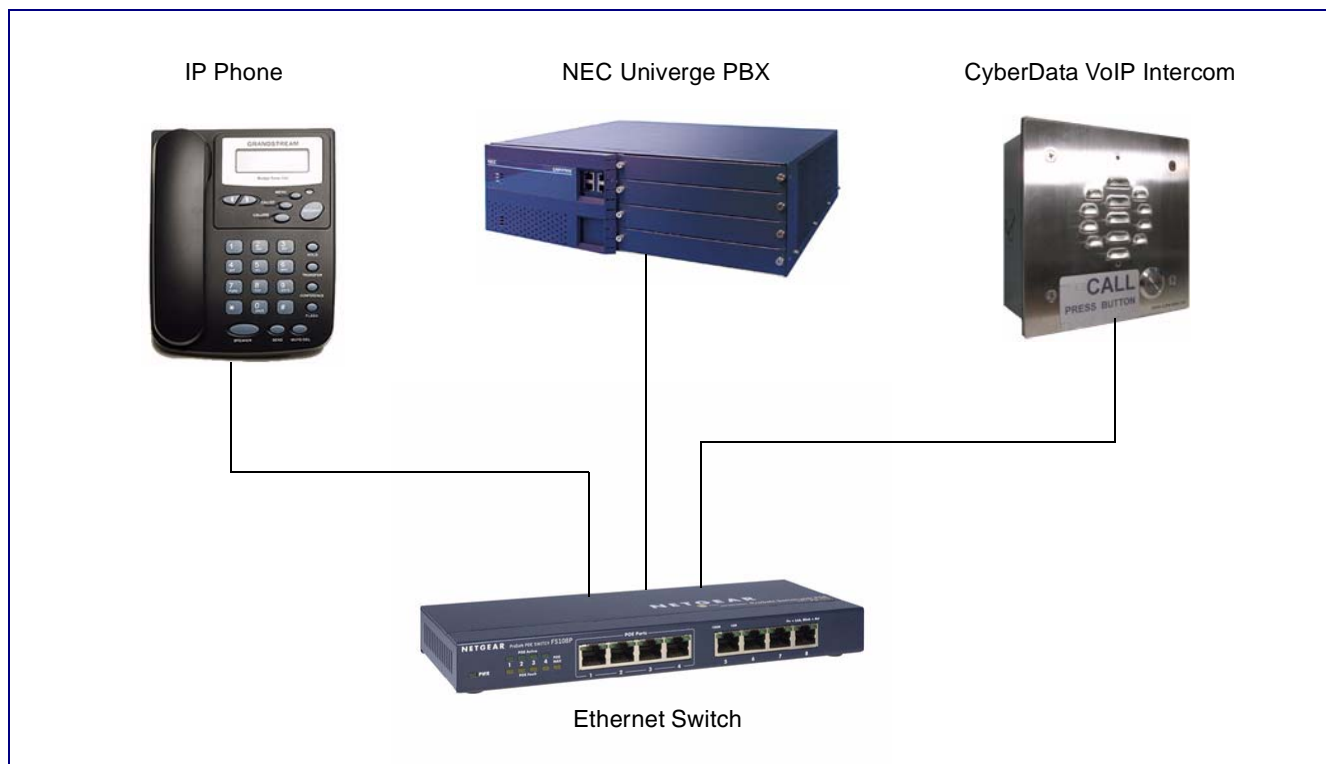


NEC Univerge PBX VoIP Intercom Setup Guide

1.0 Setup Diagram

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

Figure 1. Setup Diagram

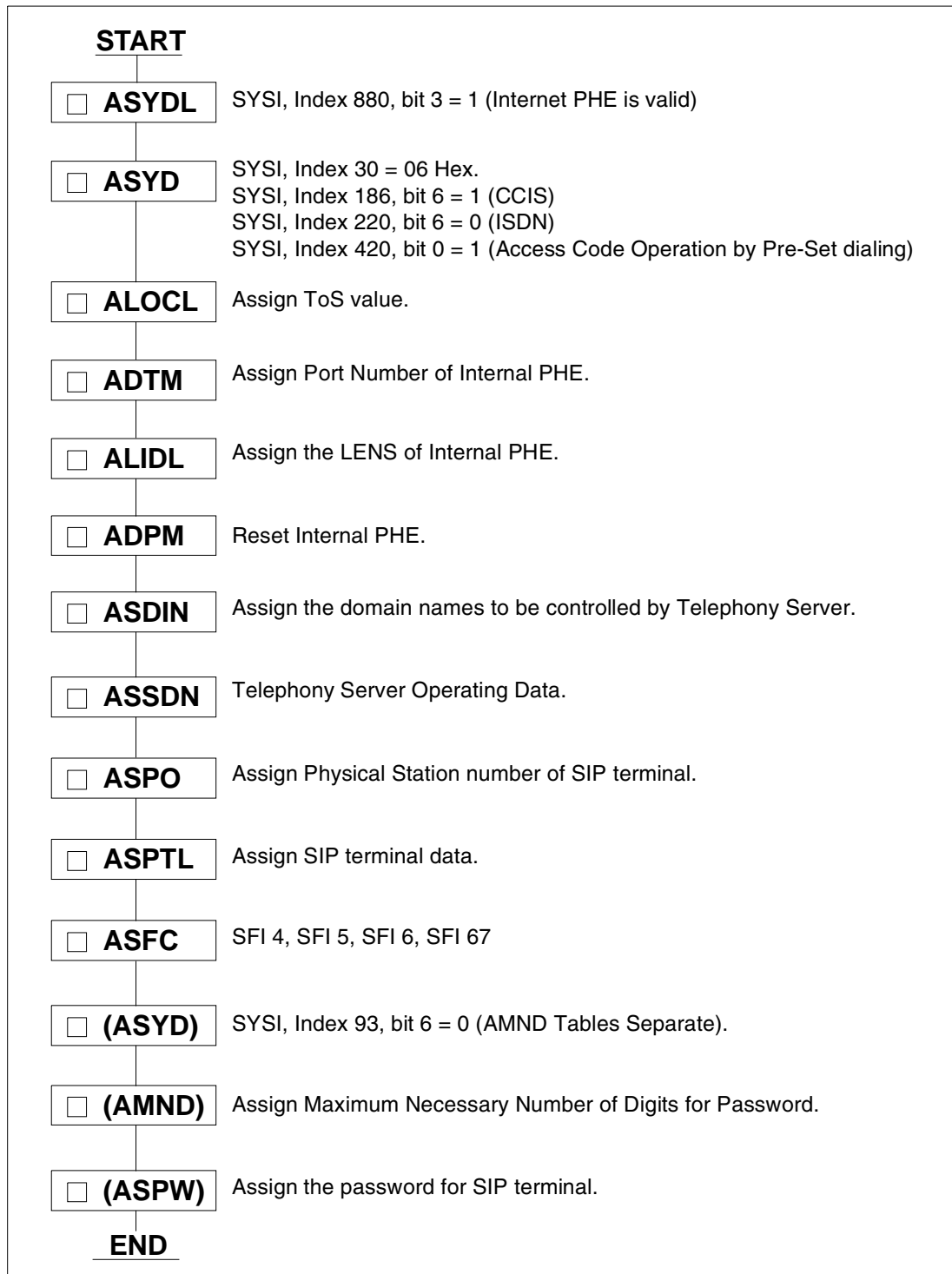


2.0 Setup Procedure

2.1 NEC Switch Configuration

Figure 2 details to a technician all of the commands needed to configure the NEC switch.

Figure 2. NEC Switch Configuration Commands



2.2 CyberData Intercom Configuration

To configure the CyberData Intercom parameters,

1. Log into the CyberData Configuration Home page (Figure 3) by pointing your browser to the Intercom's IP address.

Figure 3. CyberData Home Page

SIP Config button

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

<http://www.cyberdata.net/products/voip/digitalanalog/intercom/docs.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/products/voip/digitalanalog/intercom/downloads.html>

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

3. On the CyberData Home Page (Figure 3), click on the SIP Setup button. This will take you to the SIP Setup page (Figure 4).

Figure 4. CyberData SIP Setup Page

CyberData Intercom

Home SIP Configuration

Device Config Enable SIP operation: (NOT Registered with SIP Server)

Networking SIP Settings

SIP Config SIP Server: 10.0.0.253

Nightringer Remote SIP Port: 5060

Sensor Config Local SIP Port: 5060

Multicast Config Outbound Proxy:

Audio Config Outbound Proxy Port: 0

Event Config SIP User ID: 199

Autoprovisioning Authenticate ID: 199

Update Firmware Authenticate Password: ext199

Register with a SIP Server:

Re-registration Interval (in seconds): 360

Unregister on Reboot:

RTP Settings RTP Port (even): 10500

Dial Out Settings Dial out Extension: 204

Extension ID: id204

* You need to reboot for changes to take effect

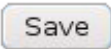

Save Reboot

Save Settings button

4. For a quick summary of all of the necessary settings on the **SIP Setup** page (Figure 4), see Table 1.

Note If a setting parameter is not listed in Table 1, then your input for that setting parameter is not required.

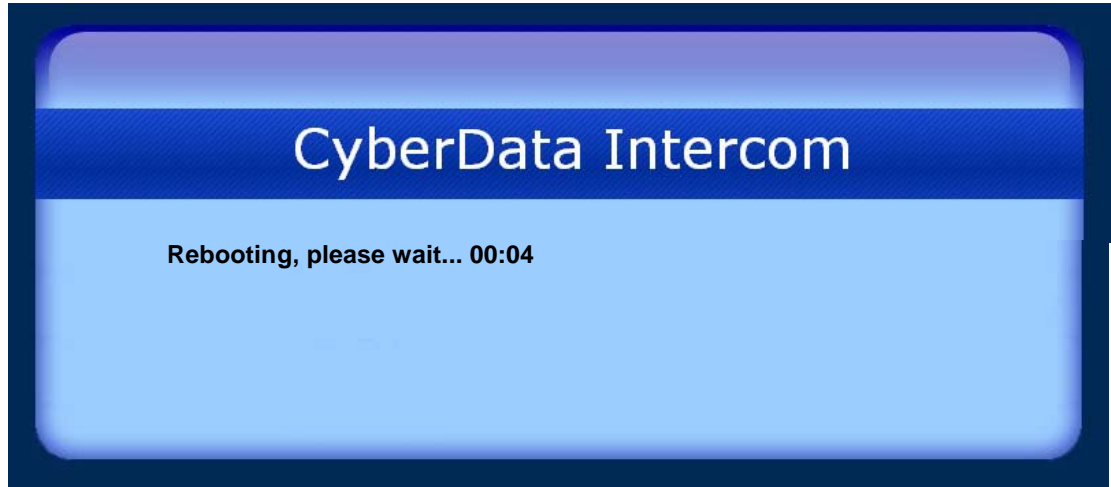
Table 1. SIP Setup Page Settings

SIP Setup Page Items	Setting
Enable SIP Operation	Check this box.
SIP Settings	
SIP Server*	Enter the domain name of the NEC PBX.
Remote SIP Port*	Enter the port number of the NEC PBX used for SIP (usually 5060).
Local SIP Port*	Enter the port number on the Intercom used for SIP communication (8 character limit).
Outbound Proxy	Enter the IP address of the NEC gateway.
Outbound Proxy Port	Enter the port number used by the NEC gateway for SIP traffic (usually 5060).
SIP User ID*	Enter the extension number for the device (up to 64 alphanumeric characters).
Authenticate ID*	Enter the authentication name created for this device. (up to 64 alphanumeric characters).
Authenticate Password*	Enter the authentication password created for this device (up to 64 alphanumeric characters).
Register with a SIP Server*	Check this box.
Re-registration Interval (in seconds)*	Type 300 for the NEC PBX.
Unregister on Reboot*	Make sure that this box is not checked.
RTP Settings	
RTP Port (even)	Enter the port number that this device should use for RTP data. This port number has to be an even number and defaults to 10500.
Dial Out Settings	
Dial Out Extension	Enter the extension that you want the Intercom to call when the Call Button is pressed.
Extension ID	Type the identifier for this Intercom (64 character limit).
	Click the Save button to save your configuration settings. Note: You need to reboot for changes to take effect.
	Click on the Reboot button to reboot the system.

5. Click on the **Save Settings** button.

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

Figure 5. Intercom Reboot Timer



7. After the Intercom reboots, the green **Status** LED will blink at one second intervals to indicate normal operation.

This step completes the procedure.