



SwyxWare

VoIP Zone Controller, 4-Port Audio Out

Setup Guide

1.0 External Links

Cyberdata Zone Controller Product Page:

<http://www.cyberdata.net/products/voip/legacyanalog/pagingzone4portaudio/index.html>

Zone Controller Operation Guide:

<http://www.cyberdata.net/products/voip/legacyanalog/pagingzone4portaudio/docs.html>

Zone Controller Quick Start:

<http://www.cyberdata.net/products/voip/legacyanalog/pagingzone4portaudio/docs.html>

2.0 Scenarios

Section 1.1, "Scenario 1: Local LAN Setup"

Zone Controller is connected to the local LAN

Section 1.2, "Scenario 2: SIP Provider Registration":

Zone Controller is connected to an external SIP Provider

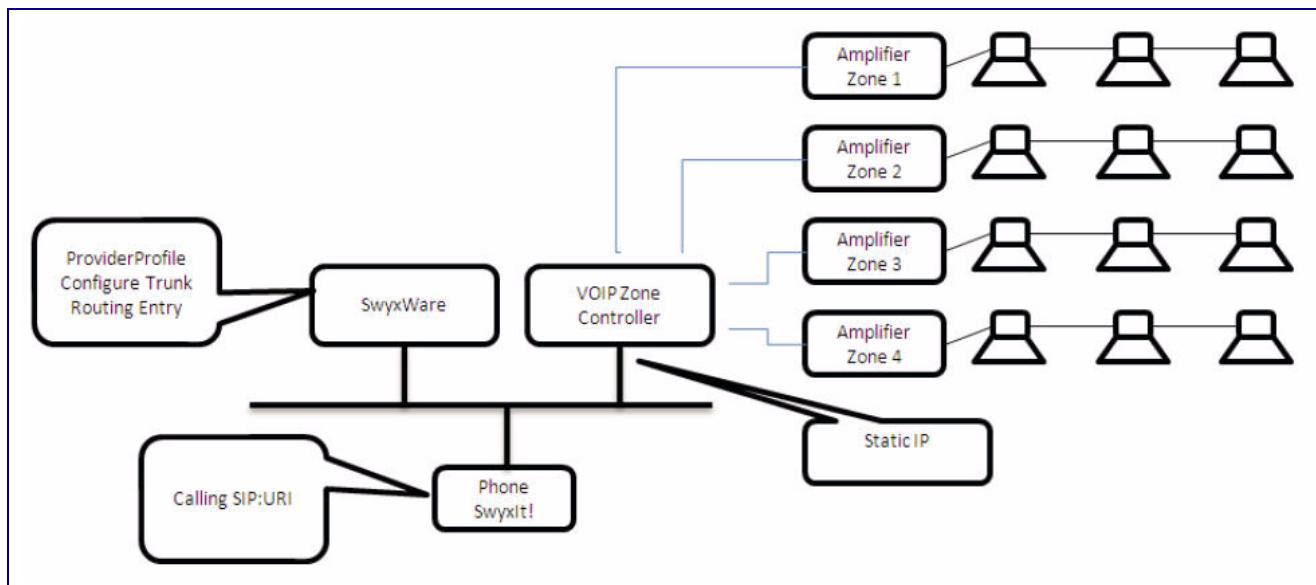
Section 1.3, "Scenario 3: Unregistered via SIP:URI":

Zone Controller is unregistered and accessible via SIP:URI

1.1 Scenario 1: Local LAN Setup

The Zone Controller is configured in the LAN and is reachable through an unregistered Swyx trunk.

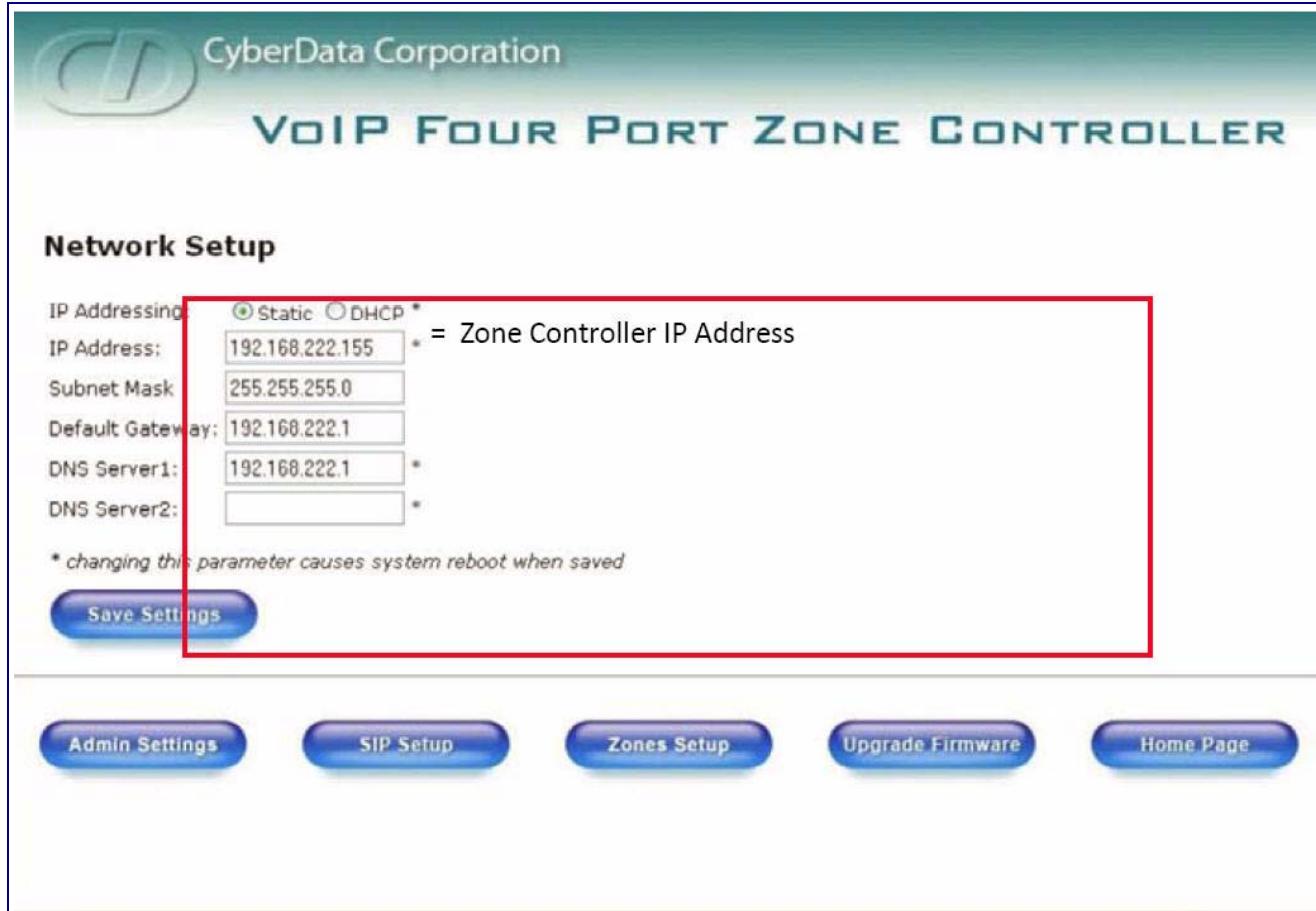
Figure 1. Local LAN Setup



1.1.1 Zone Controller Configuration

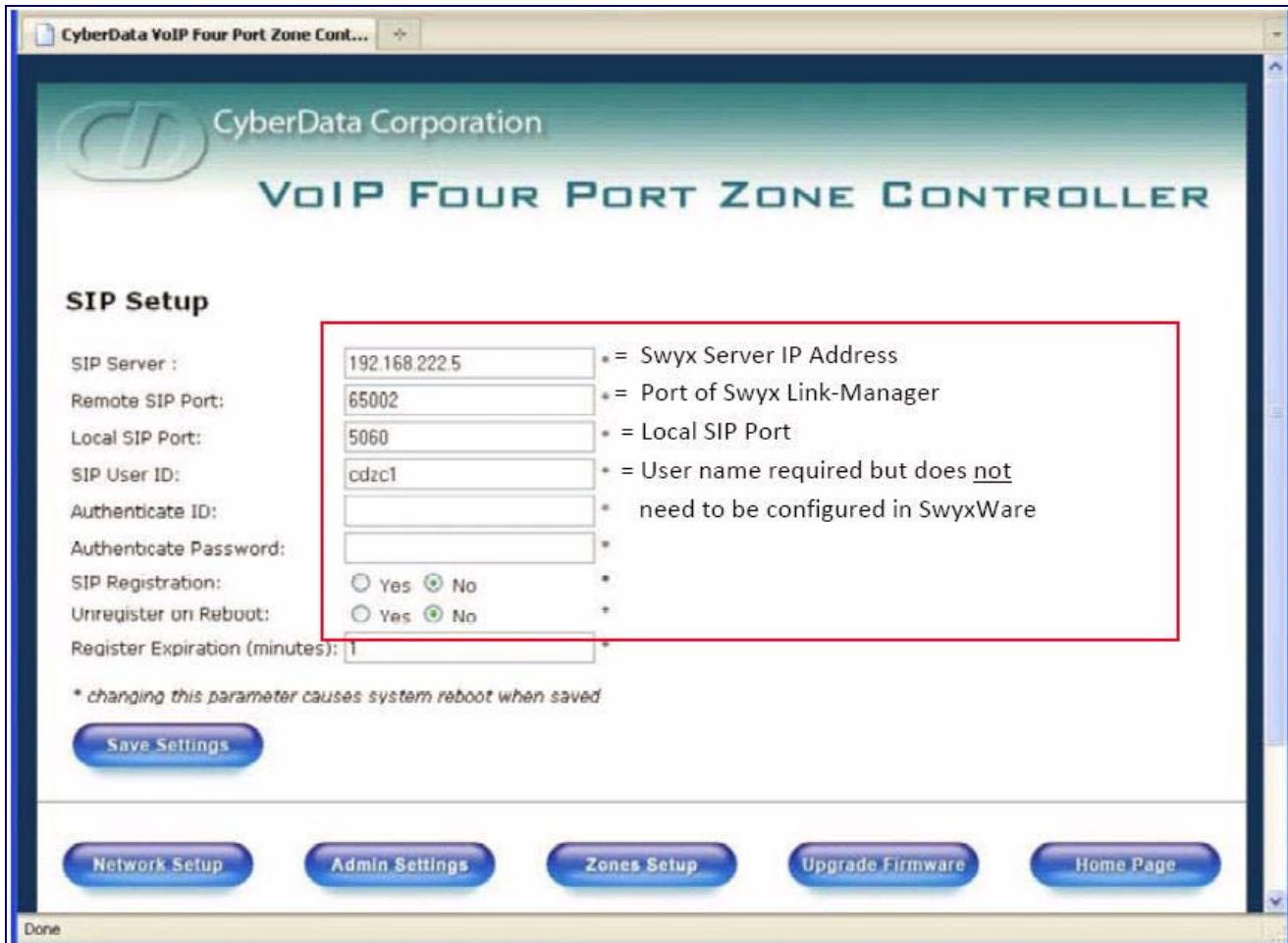
1. Access web interface of Zone controller, default IP address is **192.168.3.10**.
2. Change IP Address according to your environment.

Figure 2. Zone Controller Configuration



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3. Configure the SIP settings.

Figure 3. SIP Settings



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4. Configure zones according to your needs.

Figure 4. Configure Zones

The screenshot shows the 'Zones Setup' page of the CyberData Corporation VoIP Four Port Zone Controller. At the top, there's a logo and the text 'CyberData Corporation' and 'VoIP FOUR PORT ZONE CONTROLLER'. Below this, the title 'Zones Setup' is displayed. A sub-header 'Device Name: CD_Four_Port' follows. Underneath, there are two sections for configuring zones. The first section, labeled '00', has checkboxes for 'Enable', 'Zone 1', 'Zone 2', 'Zone 3', and 'Zone 4', all of which are checked. To the right, there's a 'Group Name' field containing 'All Zones' with a dropdown arrow icon. The second section, labeled '01', contains similar checkboxes for zones 1-4, with 'Zone 1' checked and others unchecked. To its right is a 'Group Name' field with 'Zone One'. Below it, section '02' has 'Zone 1' checked and others unchecked, with 'Zone Two' in its group name field. Section '03' has 'Zone 3' checked and others unchecked, with 'Zone Three' in its group name field. Section '04' has 'Zone 4' checked and others unchecked, with 'Zone Four' in its group name field.

1.1.2 SwyxWare Configuration

1. Edit or add the **CustomProviderProfiles.config** file and add new Provider Profile **Zone Controller**.

Note For more information read SwyxWare Knowledge base article **kb3436** which is available at the following link:

[http://www.swyx.com/support/knowledge-base/article-details.html?tx_swyxbase_pi1\[kbid\]=kb3436](http://www.swyx.com/support/knowledge-base/article-details.html?tx_swyxbase_pi1[kbid]=kb3436)

Default location on SwyxServer "C:\Program Files\SwyxWare\CustomProviderProfiles.config".

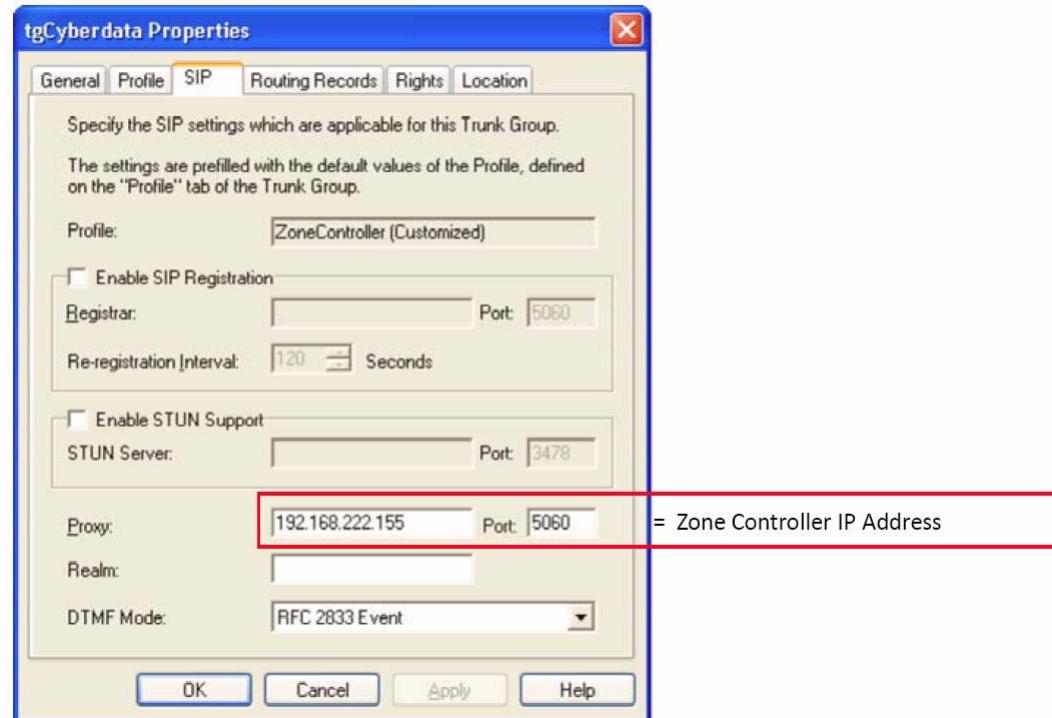
```
<sp:SIPProviderProfile id="CDZC" name="ZoneController"
CallingPartyNumberPosition="FromHeaderSIPURI" DtmfMode="Rfc2833_Event">
<sp:NumberFormats outbound_called="National" outbound_calling="National"
inbound_called="National" inbound_calling="National" />
</sp:SIPProviderProfile>
```

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2. Add a new Trunk Group to the Swyx Server.

Figure 5. Add a New Trunk Group



Figure 6. Add a New Trunk Group



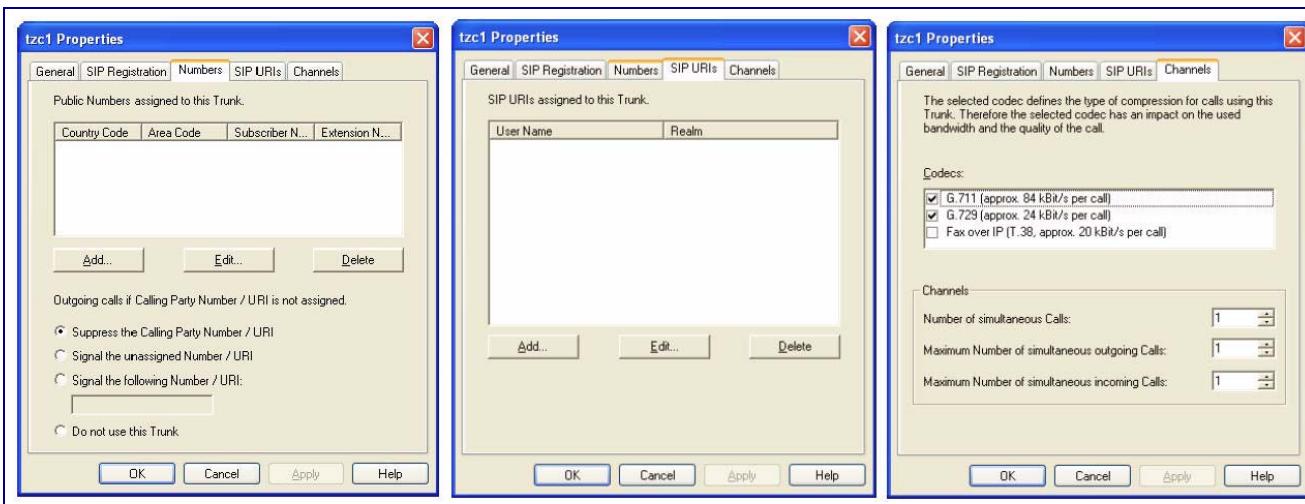
3. Add the new Trunk to the Swyx Server.

Figure 7. Add the New Trunk to the Swyx Server



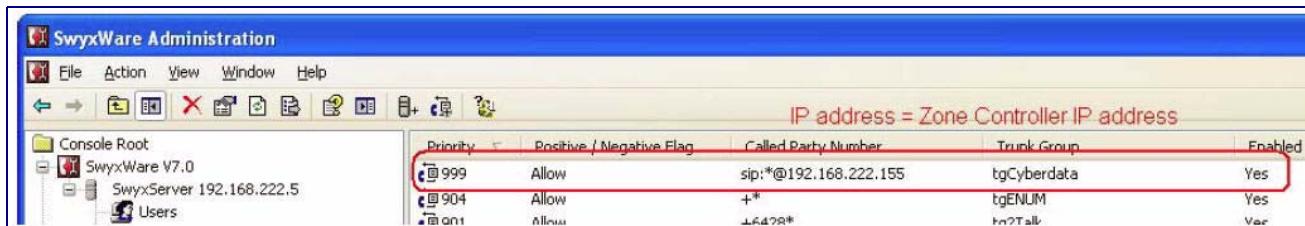
Name	Description	Type	Host	Trunk Group
SIPtzc1	Zone Controller Trunk	SIP	AKLSWYX3	tgCyberdata
SIPtSkype		SIP	AKLSWYX3	Skype_aegsip1
tENUM		ENUM	AKLSWYX3	tENUM
SIPtFnain	Fnain All	STD	AKLSWYX3	Tfnain

Figure 8. Add the New Trunk to the Swyx Server



4. Add Routing record.

Figure 9. Add Routing Record



IP address = Zone Controller IP address				
Priority	Positive / Negative Flag	Called Party Number	Trunk Group	Enabled
999	Allow	sip: *@192.168.222.155	tgCyberdata	Yes
904	Allow	+*	tgENUM	Yes
on1	Allw	+A2B*	tfnail	No

5. Now one can reach the Zone Controller via SwyxIt! or SwyxPhone.

`sip:cdzc1@ipaddress` = IP Address Zone Controller.

Figure 10. You Can Reach the Zone Controller via SwyxIt! or SwyxPhone



1.2 Scenario 2: SIP Provider Registration

In some circumstances it may be useful to have the “Zone Controller” configured to a SIP Provider (ITSP). This way you can reach the unit dialling directly via public phone number. In this setup Port forwarding has to be configured on the NAT firewall.

Figure 11. SIP Provider Registration

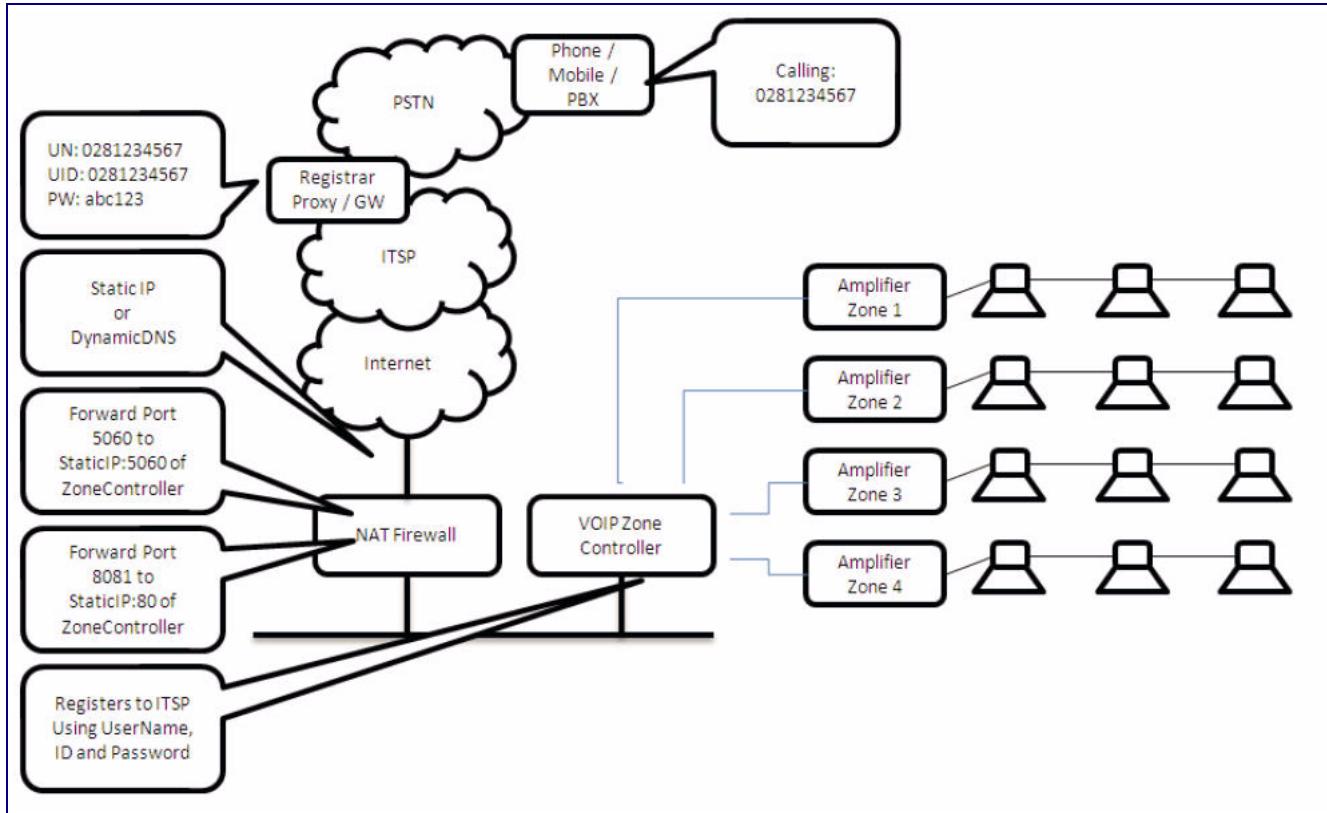


Figure 12. SIP Setup

The screenshot shows the 'SIP Setup' configuration page for a VoIP Four Port Zone Controller. The header features the CyberData Corporation logo and the product name. The main section is titled 'SIP Setup' and contains the following fields:

SIP Server :	YourProviderProxyAddress *
Remote SIP Port:	5060 *
Local SIP Port:	5060 *
SIP User ID:	YourSIPUserID *
Authenticate ID:	YourAuthID *
Authenticate Password:	YourSIPPassword *
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):	1 *

A note below the fields states: ** changing this parameter causes system reboot when saved*. A blue 'Save Settings' button is located at the bottom left. At the bottom right, there are five navigation buttons: Network Setup, Admin Settings, Zones Setup, Upgrade Firmware, and Home Page.

Note A word of warning. In the firmware version **107romdisk4port.img**, the Zone Controller cannot be protected from unauthorized access. Therefore, it is strongly recommended to use source IP filtering in the firewall to protect the unit from unauthorized access.

1.3 Scenario 3: Unregistered via SIP:URI

In other circumstances it may be useful to have the Zone controlled configured as a standalone SIP devices reachable through SIP:URI's. Also, in this setup, Port forwarding has to be configured on the NAT firewall.

Figure 13. Unregistered via SIP:URI

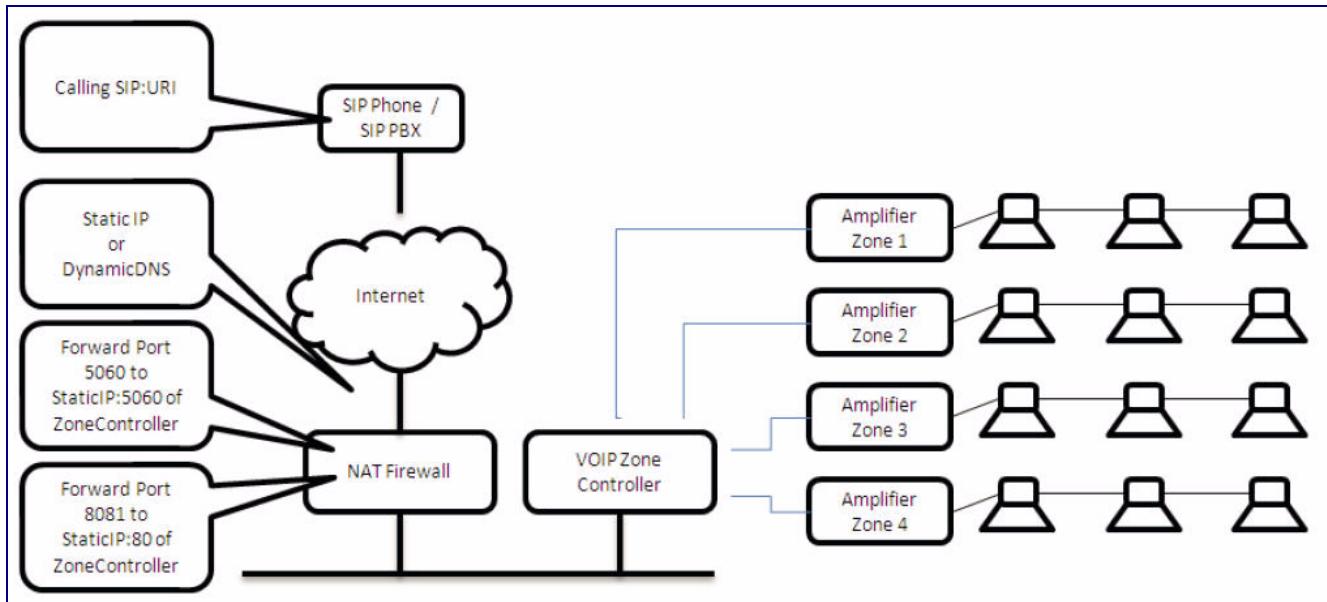


Figure 14. SIP Setup

The screenshot shows the 'SIP Setup' configuration page for a VoIP Four Port Zone Controller. The header features the CyberData Corporation logo and the product name. The main section is titled 'SIP Setup' and contains the following fields:

SIP Server :	YourDomainName	*
Remote SIP Port:	5060	*
Local SIP Port:	5060	*
SIP User ID:		*
Authenticate ID:		*
Authenticate Password:		*
SIP Registration:	<input type="radio"/> Yes <input checked="" type="radio"/> No	*
Unregister on Reboot:	<input type="radio"/> Yes <input checked="" type="radio"/> No	*
Register Expiration (minutes):	1	*

A note below the fields states: ** changing this parameter causes system reboot when saved*. A blue 'Save Settings' button is located at the bottom left. At the bottom right, there are five navigation buttons: Network Setup, Admin Settings, Zones Setup, Upgrade Firmware, and Home Page.

Note A word of warning. In the firmware version **107romdisk4port.img**, the Zone Controller cannot be protected from unauthorized access. Therefore, it is strongly recommended to use source IP filtering in the firewall to protect the unit from unauthorized access.