



# *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

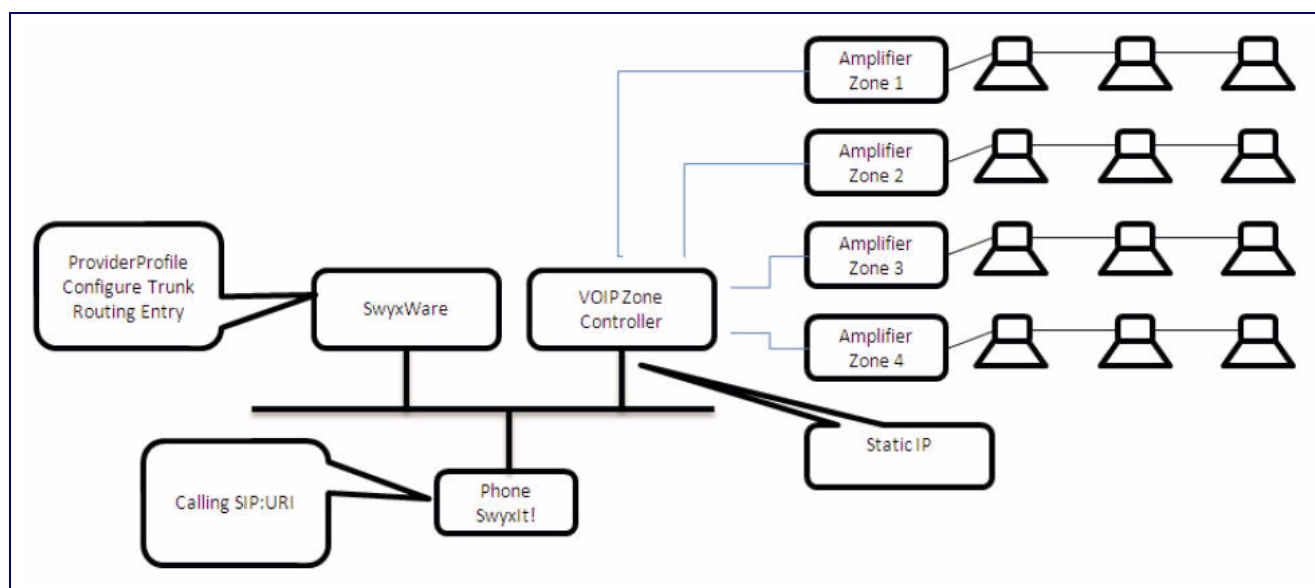
Section 1.3, "Scenario 3: Unregistered via SIP:URI":

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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#### Network Setup

IP Addressing: ☒ Static ☐ DHCP \*

IP Address:  \* = Zone Controller IP Address

Subnet Mask:

Default Gateway:

DNS Server1:  \*

DNS Server2:  \*

*\* changing this parameter causes system reboot when saved*

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3. Configure the SIP settings.

Figure 3. SIP Settings

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### SIP Setup

SIP Server :	192.168.222.5	* = Swyx Server IP Address
Remote SIP Port:	65002	* = Port of Swyx Link-Manager
Local SIP Port:	5060	* = Local SIP Port
SIP User ID:	cdzc1	* = User name required but does <u>not</u>
Authenticate ID:		* need to be configured in SwyxWare
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	*

\* changing this parameter causes system reboot when saved

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Done

4. Configure zones according to your needs.

**Figure 4. Configure Zones**

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**Zones Setup**  
 Device Name: CD\_Four\_Port

Beep before page: ☒ Bypass DTMF: ☐

	Enable	Zone 1	Zone 2	Zone 3	Zone 4	Group Name
00	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	All Zones

	Enable	Zone 1	Zone 2	Zone 3	Zone 4	Group Name
01	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Zone One
02	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Zone Two
03	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Zone Three
04	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Zone Four

### 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:

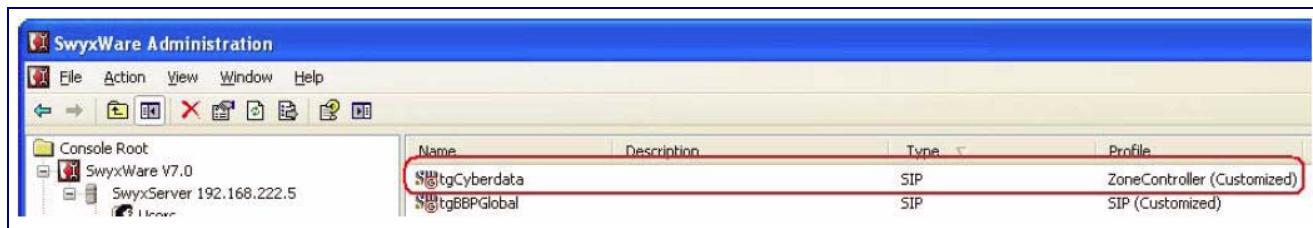
[http://www.swyx.com/support/knowledge-base/article-details.html?tx\\_swyxkbase\\_pi1\[kbid\]=kb3436](http://www.swyx.com/support/knowledge-base/article-details.html?tx_swyxkbase_pi1[kbid]=kb3436)

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

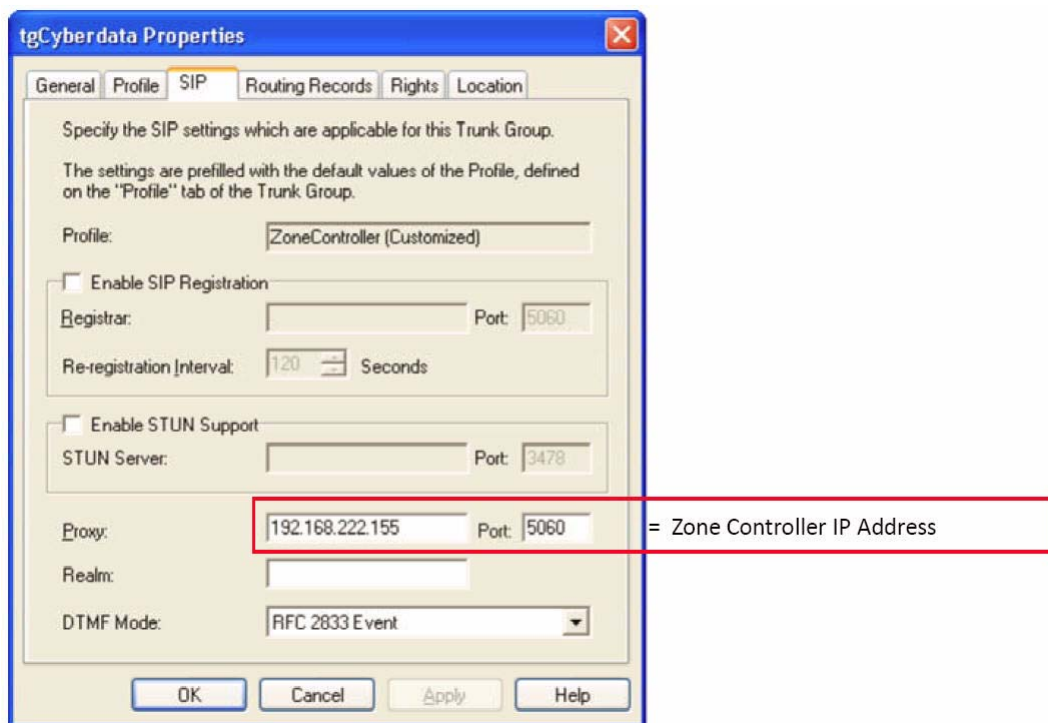
```
<sp:SIPProviderProfile id="CDZC" name="ZoneController"
CallingPartyNumberPosition="FromHeaderSIPURI" DtmfMode="Rfc2833_Event">
<sp:NumberFormats outbound_called="National" outbound_calling="National"
inbound_called="National" inbound_calling="National" />
</sp:SIPProviderProfile>
```

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

**Figure 5. Add a New Trunk Group**



**Figure 6. Add a New Trunk Group**

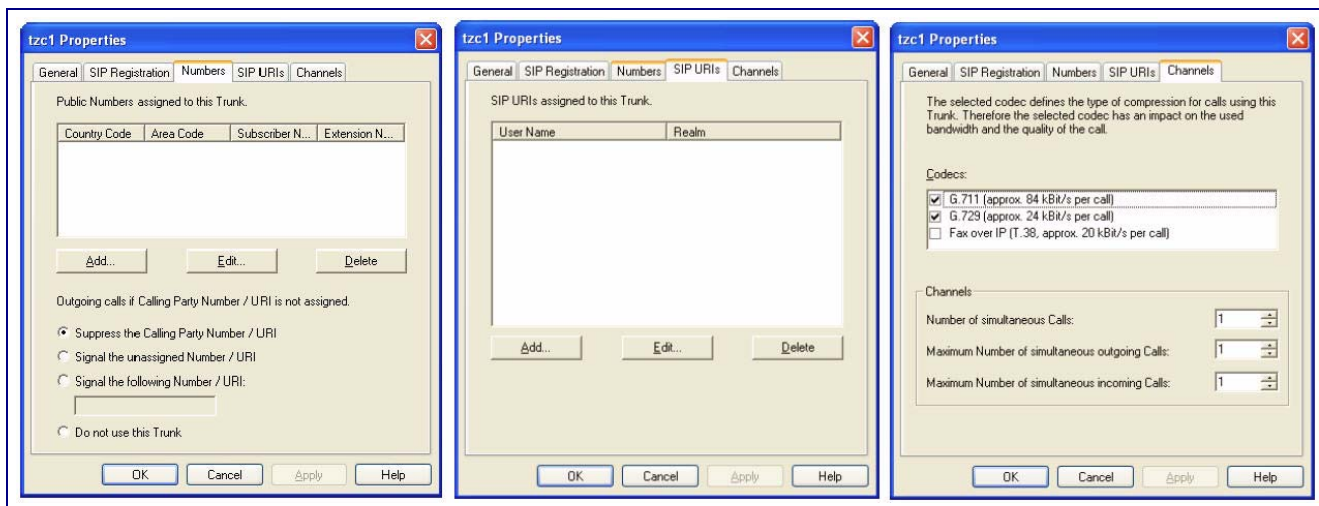


3. Add the new Trunk to the Swyx Server.

**Figure 7. Add the New Trunk to the Swyx Server**

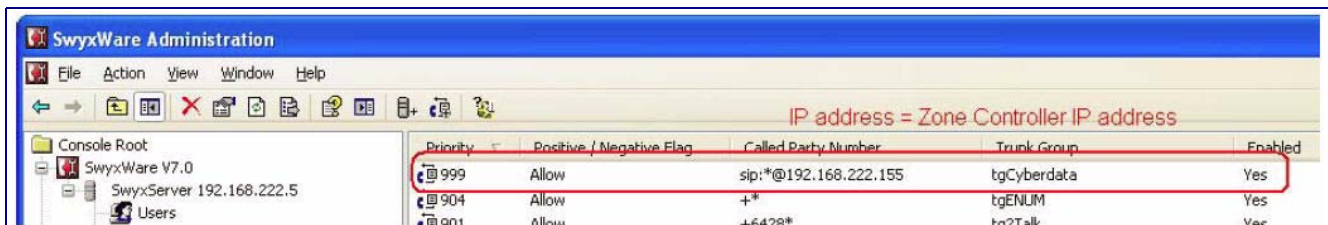


**Figure 8. Add the New Trunk to the Swyx Server**



4. Add Routing record.

**Figure 9. Add Routing Record**





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**

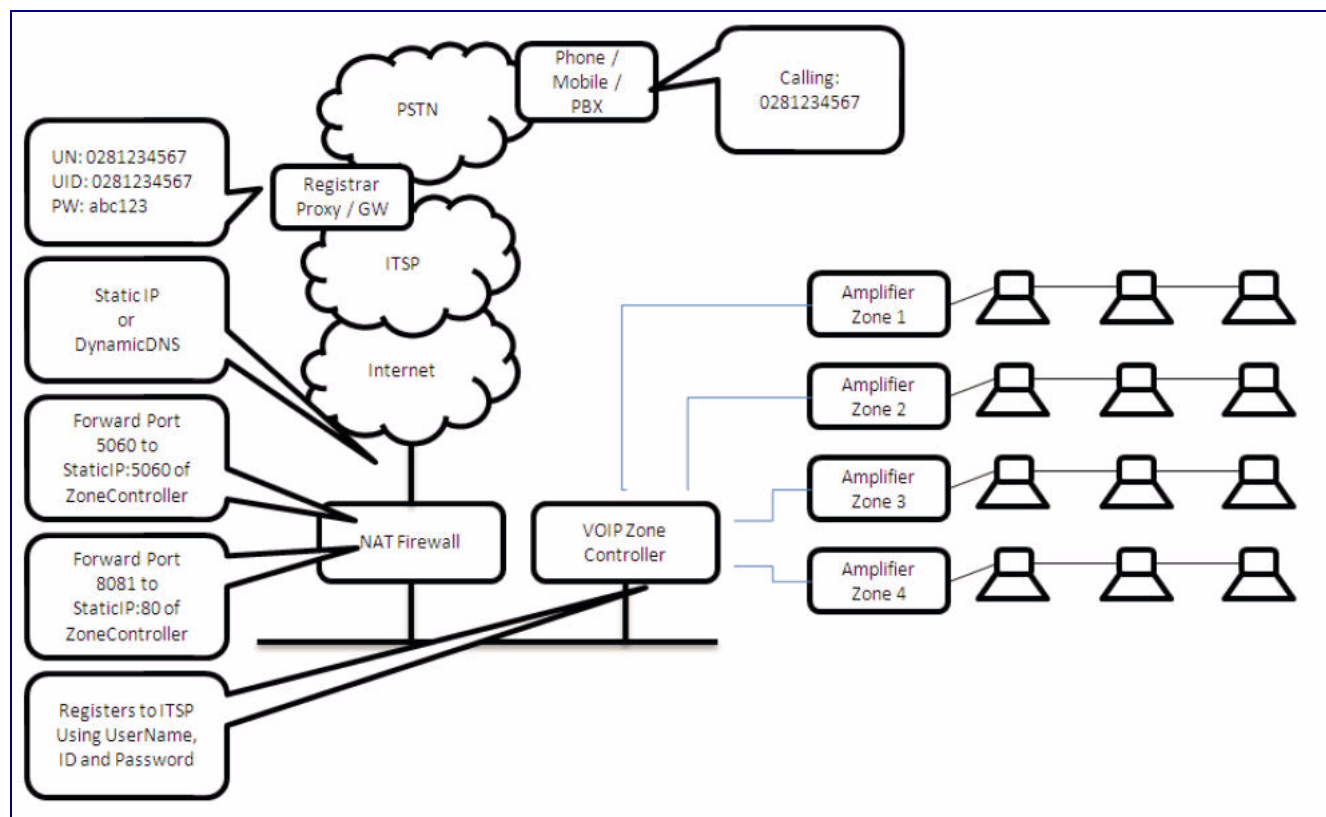


Figure 12. SIP Setup

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### SIP Setup

SIP Server :  \*

Remote SIP Port:  \*

Local SIP Port:  \*

SIP User ID:  \*

Authenticate ID:  \*

Authenticate Password:  \*

SIP Registration: ☒ Yes ☐ No \*

Unregister on Reboot: ☐ Yes ☒ No \*

Register Expiration (minutes):  \*

*\* changing this parameter causes system reboot when saved*

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**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**

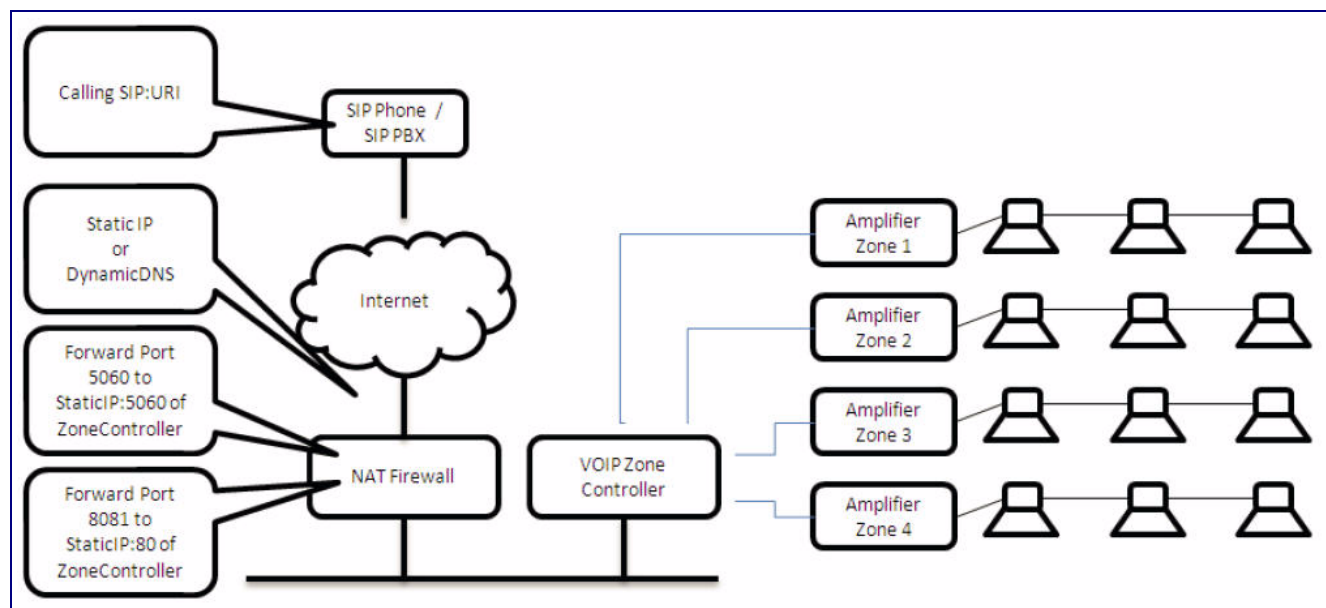


Figure 14. SIP Setup

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## VOIP FOUR PORT ZONE CONTROLLER

### SIP Setup

SIP Server :  \*

Remote SIP Port:  \*

Local SIP Port:  \*

SIP User ID:  \*

Authenticate ID:  \*

Authenticate Password:  \*

SIP Registration: ☐ Yes ☒ No \*

Unregister on Reboot: ☐ Yes ☒ No \*

Register Expiration (minutes):  \*

*\* changing this parameter causes system reboot when saved*

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**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.