



SwyxWare VoIP Zone Controller, 4-Port Audio Out Setup Guide

1.0 External Links

Cyberdata Zone Controller Product Page: <u>http://www.cyberdata.net/products/voip/legacyanalog/pagingzone4portaudio/index.html</u>

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

CD	CyberData C	orporation	
	VOIP	FOUR PORT ZONE CONT	ROLLER
Network S	etup		
IP Addressing	Static ○ DHC DHC C	p*	
IP Address:	192.168.222.155	= Zone Controller IP Address	
Subnet Mask	255.255.255.0		
Default Gateway	; 192.168.222.1		
DNS Server1:	192.168.222.1	•	
DNS Server2:		*	
* changing this p	arameter causes sv	stem rehnnt when saved	
criariging and p		Sterr reboot when seved	
Save Setting	2		
1990 - 1990 - 1990 - 1990 - 1990 - 1990 - 1990 - 1990 - 1990 - 1990 - 1990 - 1990 - 1990 - 1990 - 1990 - 1990 -			
Admin Setting	s) sip	Setup Upgrade Firmware	Home Page

Figure	3.	SIP	Settings
	•••	•	o o tunigo

SIP Setup	IP Four	PORT ZONE CONTROLLER
SID Server	1921682225	*= Swyx Server IP Address
Remote SID Port	65002	*= Port of Swyx Link-Manager
Local SIP Port:	5060	+ = Local SIP Port
SID LICER ID:	odac1	+ = User name required but does not
Authonticata ID:	Cuzci	 need to be configured in SwyxWare
Authenticate Deseword		need to be compared in swyxware
SIP Registration:	O Vec @ No	
Unregister on Reboot:	O Yes No	*
Register Expiration (minute	s): 1	*
* changing this parameter c Save Settings	auses system reboot whe	n səvəd

4. Configure zones according to your needs.

Figure 4	. Configu	re Zones
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C	11	Cyl	berDa	ita Co	orpora	ition			
-		/	Vo	IP	Fo	UR	PORT	ZONE	CONTROLLER
Zor Devic	1es S (etup CD_Fo	ur_Port						
Bee	p before	e page:	₩ By	/pass Di	FMF: []			
00	Enable	Zone 1	Zone 2	Zone 3	Zone 4	All Zone	Group Name		
	Enable	Zone 1	Zone 2	Zone 3	Zone 4		Group Name		
01	¥					Zone O	ne		
02	~		~			Zone Ty	wo		
03						Zone Th	hree		
04	~				~	Zone Fo	our		

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

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

SwyxWare Administration				
🚺 Eile Action View Window Help				
Console Root	Name	Description	Type 🗸	Profile
SwyxWare V7.0	StgCyberdata		SIP	ZoneController (Customized)
SwyxServer 192.168.222.5	SetgBBPGlobal		SIP	SIP (Customized)

Figure 6. Add a New Trunk Group

Cyberd	lata Pro	opertie	35				4
General	Profile	SIP	Routing Records	Rights	Location	-	
Speci The s on the	ify the SII ettings a e "Profile	P setting re prefille '' tab of	is which are applicat ad with the default va the Trunk Group.	le for this	s Trunk Group. he Profile, defined		
Profile	s: nable SIF trar:	P Registi	ZoneController	(Custom	zed) Port 5060		
Re-re	gistration nable ST	Interval	t 120 🛨 Se	conds			
STUN	Server:				Port 3478		
Ргоху	c		192.168.222.1	55	Port: 5060		= Zone Controller IP Address
Realn	n:		[
DTM	F Mode:		RFC 2833 Eve	nt	<u>*</u>		
		OK	Cancel	AP	ply Hel;		

3. Add the new Trunk to the Swyx Server.

Figure 7. Add the New Trunk to the Swyx Server
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🕅 SwyxWare Administration					
Eile Action View Window Help					
	8+ 74 没				
Console Root	Name	Description	Турс	Host	Trunk Group
😑 🚮 SwyxWare V7.0	SIPtzc1	Zone Controller Trunk	SIP	AKLSWYX3	tgCyberdata
SwyxServer 192.168.222.5	SIPtSkype		SIP	AKLSWYX3	Skype_aegsip1
Users	C LENUM		ENUM	AKLSWYX3	tgENUM
🖶 🛄 Groups	SIPLEngin	Engine 011	STD	API SWAAS	TaFnain



Figure 8. Add the New Trunk to the Swyx Server

4. Add Routing record.

Figure 9. Add Routing Record

SwyxWare Administration					
Eile Action View Window Help					
	B+ 🛱 🥸		IP address = Zo	ne Controller IP address	
🚞 Console Root	Priority - Pos	sitive / Negative Elag	Called Party Number	Trunk Group	Enabled
😑 💽 SwyxWare V7.0	(0 999 Allo	W	sip:*@192.168.222.155	tgCyberdata	Yes
SwyxServer 192.168.222.5	CI 904 Allo	W	+*	tgENUM	Yes
Users		мая	16479*	to2Talk	Var

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

sip:cdzc1@ipaddress = IP Address Zone Controller.

🦉 SwyxIt!		x
File Edit Lines Functions Lists	Settings Help	
🛐 🍡 🍃	k 1	
Phonebook Call Journal Call R	outing Call Forwardings	
Su ? x	ITNW intern supplier	
cdzc1@192.168.222.155 Connected	🛐 🥏 Florian	⊳
	👷 📀 Thom Telford	⊳
Line is idle	Project 4412	⊳
Line is idle	🚳 🔿 andy.egli	⊳
Line 3	🚽 🕑 felix.brem	⊳
iiii sip:cdzc1@192.168.222.15	Conf phone snom 666	\triangleright
Pick Up Callback	📕 🥏 atrium 368	\triangleright
Call Transfer Conference	🌺 🛇 Nevidita Das	\triangleright
	📕 🥏 living 369	\triangleright
	Monitor Station	
■ New Voicemails: 0	■ Forwarding	ŧ
Missed Calls: 2	■ Do Not Disturb	-
mirjam.baumberger		

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

CyberDat Vol	Ta Corporation	ORT ZONE CONTROLLER
SIP Setup		
SIP Server :	YourProviderProxyAddress	•
Remote SIP Port:	5060	j.
Local SIP Port:	5060	-
SIP User ID:	YourSIPUserID	•
Authenticate ID:	YourAuthiD	
Authenticate Password:	YourSIPPassword	1.
SIP Registration:	⊙ Yes ○ No	•
Unregister on Reboot:	O Yes No	•
Register Expiration (minutes):	1]•
• changing this parameter caus	es system reboot when save	rd
	Idealo Sattione	Zanas Balus Uparada Firmulara Home Daas

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
CyberDa	ta Corporation	
Va		PORT ZONE CONTROLLER
V L	IF FOOR	FORT ZONE GUNTROLLER
SIP Setup		
SIP Server :	YourDomainName	•
Remote SIP Port:	5060	•
Local SIP Port:	5060	•
SIP User ID:		*
Authenticate ID:		•
Authenticate Password:		
SIP Registration:	O Yes @ No	
Unregister on Reboot:	O Yes ⊙ No	
Register Expiration (minutes)	: 1	*
* changing this parameter cau	an eveters reheat when	anuad
changing this parameter cad.	ses system reboot when	Saler.
Save Settings		
Network Setup	Admin Settings	Zones Setup Upgrade Firmware 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.