



IP66 Indoor/Outdoor Horns Operations Guide

Part #011457, 011472

Document Part #932058A for Firmware Version 22.0

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IP66 Indoor/Outdoor Horn Operations Guide 932058A Part # 011457, 011472

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CyberData	Technical Support
The IP Endpoint Company	The fastest way to get technical support for your VoIP product is to submit a VoIP Technical Support form at the following website: https://support.cyberdata.net/
	Phone: (831) 373-2601, Ext. 333 Email: support@cyberdata.net Fax: (831) 373-4193 Company and product information is at www.cyberdata.net .

Revision Information

Revision 932058A, which corresponds to firmware version 22.0, was released on November 19, 2024.

Pictorial Alert Icons

GENERAL ALERT	General Alert This pictoral alert indicates a potentially hazardous situation. This alert will be followed by a hazard level heading and more specific information about the hazard.
	Ground This pictoral alert indicates the Earth grounding connection point.

Hazard Levels

Danger: Indicates an imminently hazardous situation which, if not avoided, will result in death or serious injury. This is limited to the most extreme situations.

Warning: Indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury.

Caution: Indicates a potentially hazardous situation which, if not avoided, could result in minor or moderate injury. It may also alert users against unsafe practices.

Notice: Indicates a statement of company policy (that is, a safety policy or protection of property).

The safety guidelines for the equipment in this manual do not purport to address all the safety issues of the equipment. It is the responsibility of the user to establish appropriate safety, ergonomic, and health practices and determine the applicability of regulatory limitations prior to use. Potential safety hazards are identified in this manual through the use of words Danger, Warning, and Caution, the specific hazard type, and pictorial alert icons.

Important Safety Instructions

- 1. Read these instructions.
- 2. Keep these instructions.
- 3. Heed all warnings.
- 4. Follow all instructions.
- 5. Do not use this apparatus near water.
- 6. Clean only with dry cloth.
- 7. Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
- 8. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
- 9. Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
- 10. Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
- 11. Only use attachments/accessories specified by the manufacturer.
- 12. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.
- 13. Prior to installation, consult local building and electrical code requirements.

GENERAL ALERT	Warning <i>Electrical Hazard:</i> This product should be installed by a licensed electrician according to all local electrical and building codes.
GENERAL ALERT	Warning <i>Electrical Hazard:</i> To prevent injury, this apparatus must be securely attached to the floor/wall in accordance with the installation instructions.
GENERAL ALERT	Warning The PoE connector is intended for intra-building connections only and does not route to the outside plant.

Abbreviations and Terms

Abbreviation or Term	Definition
A-law	A standard companding algorithm, used in European digital communications systems to optimize, i.e., modify, the dynamic range of an analog signal for digitizing.
AVP	Audio Video Profile
Cat 5	TIA/EIA-568-B Category 5
DHCP	Dynamic Host Configuration Protocol
LAN	Local Area Network
LED	Light Emitting Diode
Mbps	Megabits per Second.
NTP	Network Time Protocol
PBX	Private Branch Exchange
PoE	Power over Ethernet (as per IEEE 802.3af standard)
RTFM	Reset Test Function Management
SIP	Session Initiated Protocol
SRTP	Secure Real Time Protocol
u-law	A companding algorithm, primarily used in the digital telecommunication
UC	Unified Communications
VoIP	Voice over Internet Protocol

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1.1 Setup and Factory Default settings

Configure each IP66 Indoor/Outdoor Horn and verify its operation before you mount it.

Use a standard web browser to configure the Horn online.

When configuring more than one IP66 Indoor/Outdoor Horn, attach the IHorns to the network and configure one at a time to avoid IP address conflicts.

When you are ready to mount the Horns, refer to the Quick Reference Placemat for instructions. The placemat is available in the **Documentation** tab of the CyberData product webpage for your device.

CyberData delivers each IP66 Indoor/Outdoor Horn with the factory default values indicated in Table 1-1.

Factory Default Setting
DHCP
192.168.1.23
admin
admin
255.255.255.0
192.168.1.1

Table 1-1. Factory Default Settings

a. Default if there is not a DHCP server present.

1.2 Power Test and Status LED

1. Plug in the CyberData device and monitor the Status LED activity on the bottom side of the horn during the initialization process. See Figure 1-1.

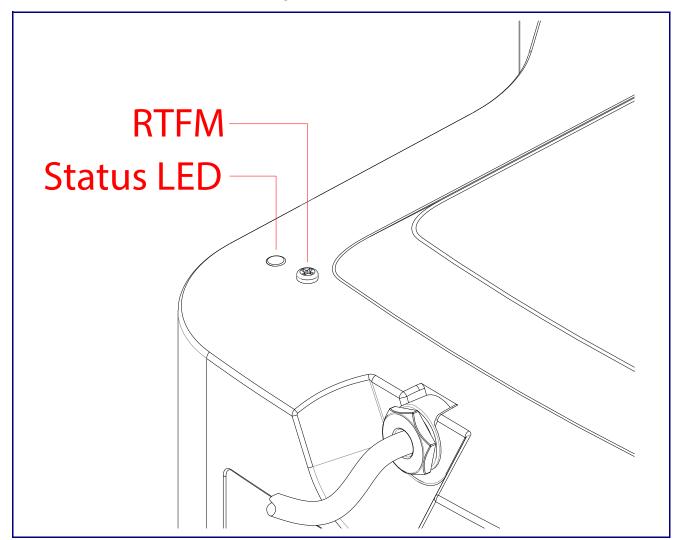


Figure 1-1. Status LED

 After about 20 seconds, the GREEN Status LED will blink fast to indicate that the device is acquiring an IP address and attempting to autoprovision. It will turn off thereafter until the device has finished booting. When the device has fully booted, the GREEN Status LED will turn on solid.

If there is no DHCP server available on the network, it will try 12 times for 60 seconds and eventually fall back to the programmed static IP address (by default 192.168.1.23) or the previously used DHCP address if a prior lease was established. This process will take approximately 80 seconds.

3. When the device has completed the initialization process, pressing and holding the RTFM switch for a couple of seconds will announce the IP address. See Section 1.3, "RTFM Switch"

This concludes the power test.

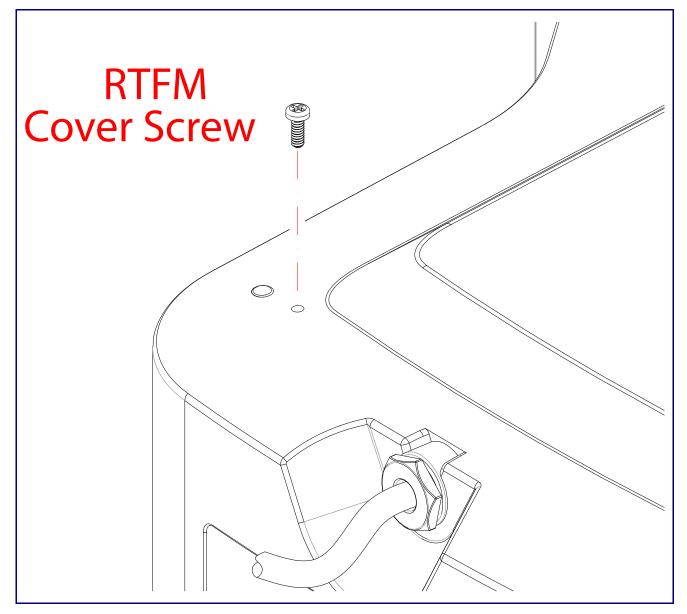
1.3 RTFM Switch

When the IP66 Indoor/Outdoor Horn is operational and linked to the network, use the Reset Test Function Management **(RTFM)** switch (Figure 1-3) (located behind the hole on the device) to announce and confirm the device's IP Address and test the audio to verify that it is working.

1.3.1 RTFM Access

The RTFM switch access will be on the bottom side of the horn hidden under a screw (Figure 1-2) that will be used to keep the unit IP66 sealed with the gasket washer. Remove the screw to gain access to the RTFM switch (Figure 1-3).





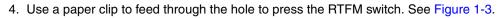
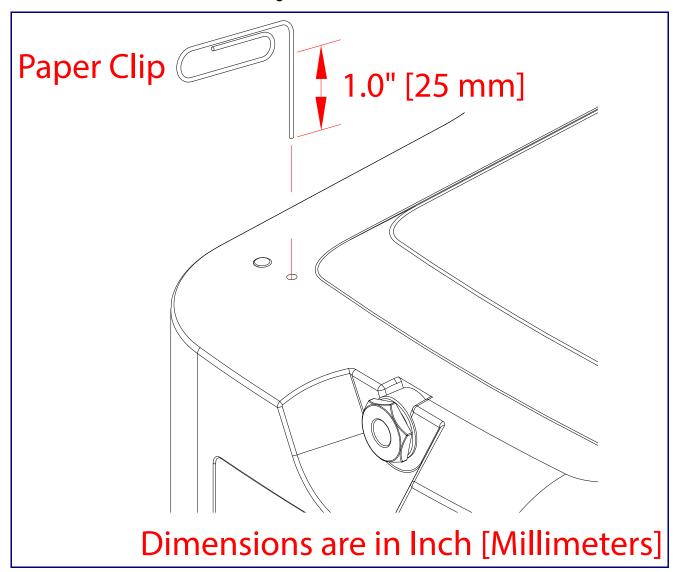


Figure 1-3. RTFM Switch



1.3.2 Announcing the IP Address

To announce a device's current IP address:

• Use a bent paperclip or a similar object to press and hold the RTFM switch for a couple of seconds and then release it.



Caution

Equipment Caution: Pressing and holding the RTFM switch for more than five seconds will restore the device to the factory default settings. See the "Restoring the Factory Default Settings" section.

1.3.3 Restoring the Factory Default Settings

To restore the factory default settings, complete the following steps:

- 1. Use a bent paperclip or a similar object to press and hold the RTFM switch until you hear the device announce the words, "restoring defaults" and "rebooting".
- 2. Release the RTFM switch. The device will be restored to the factory default settings.

2.4 Log In Page

- 1. Open your browser to the device IP address.
- **Note** If the network does not have access to a DHCP server, the device will default to an IP address of 192.168.1.23.
- Note Make sure that the PC is on the same IP network as the IP66 Indoor/Outdoor Horn.
- **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 products.

CyberData's VoIP Discovery Utility program is available at the following website address:

https://www.cyberdata.net/pages/discovery

- **Note** The Intercom ships in DHCP mode. To get to the **Home** page, use the discovery utility to scan for the device on the network and open your browser from there.
- On the Log In Page (Figure 2-1), use the following default Web Access Username and Web Access Password to access the Home Page (Figure 2-2):

Web Access Username: admin

Web Access Password: admin



Figure 2-1. Log In Page

2.5 Home Page

The **Home** page provides device specific information such as Serial Number, Mac Address, and Firmware version. This page is designed as an initial landing page to provide general information on the status of the device.

CyberData The IP Endpoint Company	Product: SIP Outdoor Horn Firmware: v22.0.0	Serial: 457200911 MAC: 00:20:f7:05:24:7a	Available Storage: 1167MB Device Status: Idle	Test Save Cancel Reboot Logout
*				
©2 ∢)	Device Configuration	Network Status		SIP Registration
♀ Serial Number Mac Address ► Firmware Version ₽ Partition 2 ₽ Partition 3 Booting Partition	457200911 002017/0524/7a v22.00 v22.00 v22.0.0 partition 2	IP Address Photocol DHCP IP Address 10.10.1.40 Subnet Mask 255.0.00 Default Gateway 100.0.1 DNS Server 1 100.0.1 DNS Server 1 100.1.56 DNS Server 2 100.1.56	SIP Mode: Primary Server: Backup Server 1: Backup Server 2: Nightringer Server:	Enabled Not registered Not registered Not registered Not registered
🛏 👘 👘	Audio Configuration	System Configuration		
SIP Volume: Multicast Volume: Ring Volume: Volume Boost:	4 4 4 None	SIP Mode: Enabled Multicast Mode: Disabled Event Mode: Disabled		
		CyberData • Support		

Figure 2-2. Home Page

If you are using an InformaCast enabled device, you will see the following:

Figure 2-3. InformaCast enabled Device

InformaCast Status					
Boot Time	2024/08/05 12:23:27				
Current Time	2024/08/05 12:27:28				
IC Servers	10.0.1.195				
Servers 1					
Servers 2					
Servers 3					
Servers 4					
Servers 5					
Servers 6					
Servers 7					
Servers 8					
Servers 9					
Configuration File	InformaCastSpeaker.cfg				
B'casts Accepted	0				
B'casts Rejected	0				
B'casts Active	0				

2.6 Device

The **Device** page allows for adjustment of settings that pertain to the physical device such as relay settings and time zone.

		MAC: 00:20:f7:05:24:7a	Device Status: Idle	Test	ave Cancel Reboot Logout
NTP Server: NTP Timezone: Current Time:	Time Settings north-america.pool.ntp.org America/Los_Angeles (-8) ↓ Wed. 06 Nov 2024 13:45:10		Device Status: Idle	Po 802.3AT Mode: Force 802.3AT Mode:	wer Settings Not detected. Disabled. OFF ↓ SIP Outdoor Horn OFF ↓
		CyberData	• Support		
	Current Time:	Current Time: Wed, 06 Nov 2024 13:45:10		Current Time: Wed. 06 Nov 2024 13.45:10	N Device Name: Beep on Init:

Figure 2-4. Device Configuration Page

If you are using an InformaCast enabled device, you will see the following:

Figure 2-5. InformaCast enabled Device

InformaCast Settings InformaCast Server: http://10.0.1.195:8081/InformaCast/resources

2.7 Audio

Figure 2-6. Audio Page

CyberData The IP Endpoint Company	Product: SIP Outdoor Horn Firmware: v22.0.0	Serial: 457200911 MAC: 00:20:f7:05:24:7a	Available Storage: 1249MB Device Status: Idle	Test Save C	Cancel Reboot	Logout
The IP Endpoint Company	Firmware: v22.0.0 Audio Setti Compensation: OFF None 4	MAC: 00:20:f7:05:24:7a	Device Status: Idle Hea Schedule Health Check: Run once per: Time of Day: Day of Week: Day of Month: Tue Oct 24 16:00:01 2023 AUDIO HEALTH CHECK INITIATED Tue Oct 24 16:00:07 2023 200Hz reference tone is 97.25% si Tue Oct 24 16:00:11 2023 300Hz reference tone is 98.17% si Tue Oct 24 16:00:16 2023 500Hz reference tone is 97.34% si Tue Oct 24 16:00:20 2023	Ith Check Settings	Cancel Reboot	Logout
		CyberData	700Hz reference tone is 98.97% si Tue Oct 24 16:00:24 2023 1000Hz reference tone is 96.93% sf Tue Oct 24 16:00:26 2023 2000Hz reference tone is 93.12% s Tue Oct 24 16:00:27 2023 2000Hz reference tone is 95.12% s Tue Oct 24 16:00:27 2023 2000Hz reference tone is 95.12% s Tue Oct 24 16:00:27 2023 2000Hz reference tone is 95.12% s Tue Oct 24 16:00:27 2023 2000Hz reference tone is 95.93% s Tue Oct 24 16:00:27 2023 2000Hz reference tone is 95.93% s Tue Oct 24 16:00:27 2023 2000Hz reference tone is 95.93% s Tue Oct 24 16:00:27 2023 2000Hz reference tone is 95.93% s Tue Oct 24 16:00:27 2023 2000Hz reference tone is 95.93% s Tue Oct 24 16:00:27 2023 2000Hz reference tone is 95.93% s Tue Oct 24 16:00:27 2023 2000Hz reference tone is 95.93% s Tue Oct 24 16:00:27 2023 2000Hz reference tone is 95.93% s Tue Oct 24 16:00:27 2023 2000Hz reference tone is 95.93% s Tue Oct 24 16:00:27 2023 2000Hz reference tone is 95.93% s Tue Oct 24 16:00:27 2023 2000Hz reference tone is 95.93% s Tue Oct 24 16:00:27 2023 2000Hz reference tone is 95.93% s Tue Oct 24 16:00:27 2023 2000Hz reference tone is 95.93% s Tue Oct 24 16:00:27 2023 2000Hz reference tone is 95.93% s Tue Oct 24 16:00:27 2023 2000Hz reference tone is 95.93% s Tue Oct 24 16:00:27 2023 2000Hz reference tone is 95.93% s Tue Oct 24 16:00:27 2023 2000Hz reference tone is 95.93% s Tue Oct 24 16:00:27 2023 2000Hz reference tone is 95.93% s Tue Oct 24 16:00:27 2023 2000Hz reference tone is 95.93% s Tue Oct 24 16:00:27 2023 2000Hz reference tone is 95.93% s Tue Oct 24 16:00:27 2023 2000Hz reference tone is 95.93% s Tue Oct 24 16:00:27 2023 2000Hz reference tone is 95.93% s Tue Oct 24 16:00:27 2023 2000Hz reference tone is 95.93% s Tue Oct 24 16:00:27 2023 2000Hz reference tone is 95.93% s Tue Oct 24 16:00:27 2023 2000Hz reference tone is 95.93% s Tue Oct 24 16:00:27 2023 2000Hz reference tone is 95.93% s Tue Oct 24 16:00:27 2023 2000Hz reference tone is 95.93% s Tue Oct 24 16:00:27 2023 2000Hz reference tone is 95.93% s Tue Oct 24 16:00:27 2023 2000Hz reference tone is 95.93% s Tue O	similar to recording: PASS similar to recording: PASS similar to recording: PASS configure Healt		·

2.8 Network

The **Network** tab provides access to network-related settings. Assigning the device a static IP address or VLAN is done on this page.

Network Status Network Settings P Addum Protoci CPC Defaul Canawy 100.01 Di Sarwer 2 100.01 Di Sarwer 3 Di Sarwer 1	Cy	/berDa	npany	Product: SIP Outdoor Horn Firmware: v22.0.0	Serial: 457200911 MAC: 00:20:f7:05:24:7a	Available Storage: Device Status: Idle		Test Save Cancel Reboo	t Logout
	 ● ●<th>P Endpoint Con</th><th>IP Address Protocol IP Address Subnet Mask Default Gateway DNS Server 1</th><th>Firmware: v22.0.0 Network Status DHCP 10:10:1140 2550.00 10:00.1</th><th>MAC: 00:20:17:05:24:7a Net Addressing Mode: Hostname: IP Address: Subnet Mask: Default Gateway: DNS Server 1: DNS Server 2:</th><th>Device Status: Idle work Settings DHCP SipDevice05247a 10.10.10 255.0.0 10.0.1 10.0.1 10.0.1</th><th>VLAN ID:</th><th>VLAN Settings</th><th></th>	P Endpoint Con	IP Address Protocol IP Address Subnet Mask Default Gateway DNS Server 1	Firmware: v22.0.0 Network Status DHCP 10:10:1140 2550.00 10:00.1	MAC: 00:20:17:05:24:7a Net Addressing Mode: Hostname: IP Address: Subnet Mask: Default Gateway: DNS Server 1: DNS Server 2:	Device Status: Idle work Settings DHCP SipDevice05247a 10.10.10 255.0.0 10.0.1 10.0.1 10.0.1	VLAN ID:	VLAN Settings	
CyberData • Support					CyberDat	a • Support			

Figure 2-7. Network Page

2.9 SIP (Session Initiation Protocol)

This page sets the options for phone calls. Configure up to 3 servers, with 2 acting as backup, and a server for the nightringer. The nightringer is a second sip extension that only rings, never connects to a call. Many customers use the nightringer in a hunt group.

Use this page to configure the options for security, transport, codec, and others.

Note For specific server configurations, go to the following website address:

https://www.cyberdata.net/pages/connecting-to-ip-pbx-servers

CyberData The IP Endpoint Company	Product: SIP Outdoor Horn Firmware: v22.0.0	Serial: 457200911 MAC: 00:20:f7:05:24:7a	Available Storage: 116 Device Status: Idle	57MB	est Save Cancel Reboot Logout
	SIP Settings ENABLED ~ DISABLED ~ OFF ~ 5060 5060 12 ~	MAC: 00:20:77:05:24:73 SIP Server Primary SIP Server Primary SIP Ver ID: 199 Primary SIP Auth ID: 199 Primary SIP Auth Password: Backup SIP Server 1: Backup SIP Server 1:	Settings	Nightringer S	P address
Outbound Prog Outbound Prog Cisco SRS1: Disable mont Di Keep Alive Time Terminate call at Audio Codec: RTP Port (even): Asymmetric RTP Jitter Buffer: RTP Encyption	O OFF ~ OFF ~ OFF ~ OFF ~ milliseconds (ms) er delay: 0 Seconds Auto Select ~ 10500 OFF ~ 50 50	Backup SIP User ID: Backu Backup SIP Auth ID: Backu	ry IP address		

Figure 2-8. SIP Page

If you are using an InformaCast enabled device, you will see the following:

Figure 2-9. InformaCast enabled Device

InformaCast SIP Config:	DISABLED 🗸
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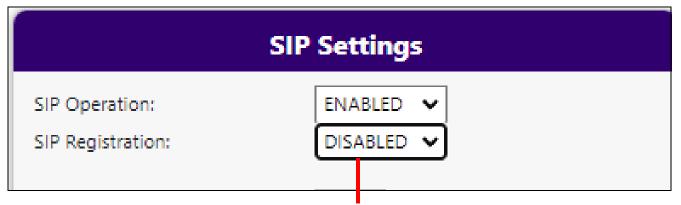
2.9.1 Dial Out Extension Strings and DTMF Tones (using rfc2833)

Outgoing calls support delayed DTMF (rfc2833) with the first comma pausing 2 seconds and subsequent commas pausing 1 second.

2.9.2 Point-to-Point Configuration

Dialing point-to-point allows the device to call and a single endpoint. All CyberData endpoints and many phones can use this option. To do this, enable **SIP Operation**, do not enable **SIP Registration**, and use the endpoint's IP address as the Dial Out extension. Delayed DTMF is supported. See Figure 2-10.





Device is set to NOT register with a SIP server

2.10 SSL

The SSL tab allows for the adjustment of certificates used by the device. The certificates used for the web server, SIP Client, and Autoprovisioning can be changed here. It is also possible to add additional CA certificates on this page. CA Certificates allow the device to authenticate servers that it contacts.



CyberData The IP Endpoint Company		t: SIP Outdoor Horn are: v22.0.0	Serial: 457200911 MAC: 00:20:f7:05:24:7a	Available Storage: 1167MB Device Status: Idle	ĺ	Test Save Cancel Reboot Logout
	Web Se	rver Certificate	SIP Client Certificate		Autoprovisioning Clie	nt Certificate
		= Monterey ane = Cyberdata 9020705247a 14:55:12 2023 GMT 4:55:12 2033 GMT	subjects - US statesrProvincement - Galary locality/meet - organizationsme organizationsme organizationsme organizationsme organizationsme organizationsme organizationsme organizationsme organizationsme organizationsme organizationsme organizationsme organizationsme organizationsme organizationsme organizationsme organizationsme organizationsme organizationsme organizationsme organizationsme organizationsme organizationsme organizationsme organizationsme organizationsme organizationsme organizationsme organizationsme organizationsme organizationsme organizationsme organizationsme organizationsme organizationsme organizationsme organizationsme organizationsme organizationsme organizationsme organizationsme organizationsme organizationsme organizationsme organizationsme organizationsme organizationsme organizationsme organizationsme organizationsme organizationsme organizationsme organizationsme organizationsme organizationsme organizationsme organizationsme organizationsme organizationsme organizationsme organizationsme organizationsme organizationsme organizationsme organizationsme organizationsme organizationsme organizationsme organizationsme organizationsme organizationsme organizationsme organizationsme organizationsme organizationsme organizationsme organizationsme organizationsme organizationsme organizationsme organizationsme organizationsme organizationsme organizationsme organizationsme organizationsme organizationsme organizationsme organizationsme organizationsme organizationsme organizationsme organizationsme organizationsme organizationsme organizationsme organizationsme organizationsme organizationsme organizationsme organizationsme organizationsme organizationsme organizationsme organizationsme organizationsme organizationsme organizationsme organizationsme organizationsme organizationsme organizationsme organizationsme organizationsme organizationsme organizationsme organizations	ey lata	subjecta outity/sine staticoryroviancesiane organizationilisme repairiationilisme notafter-sub s1458122.202 [choose Files] No file choos [repair Autoprovisionin Restore Autoprovisionin Password (optional):	en g Certificate
			List of Trusted CAs			
			Upload CA Certificate: Choose Files No file chosen	Import CA Certificate		
			Download CyberData CA Generate Cyberdata CSR Rer	nove All Restore Defaults		
		1 CyberData_CA.pem		Info	Remove	
		2 DigiCert_Assured_ID_Root_CA.crt		Info	Remove	
		3 DigiCert_Assured_ID_Root_G2.crt		Info	Remove	
		4 DigiCert_Assured_ID_Root_G3.crt		Info	Remove	
		5 DigiCert_Global_Root_CA.crt		Info	Remove	
		6 DigiCert_Global_Root_G2.crt		Info	Remove	
		7 DigiCert_Global_Root_G3.crt		Info	Remove	
		8 DigiCert_High_Assurance_EV_Root_CA.crt		Info	Remove	
		9 DigiCert_Trusted_Root_G4.crt		Info	Remove	
			CyberData • Support			

CyberData	Product: SIP Outdoor Horn Firmware: v22.0.0	Serial: 457200911 MAC: 00:20:f7:05:24:7a	Available Storage: 1167MB		Test Save Cancel Reboot Logout
The IP Endpoint Company	FIRMWARE: V22.0.0	MAC: 00:20177:05:24:74	Device Status: Idle		
et 1997 1997 1997 1997 1997 1997 1997 199	8 DigiCert_High_Assurance_EV_Root_C	A.crt	Info	Remove	
()	9 DigiCert_Trusted_Root_G4.crt		Info	Remove	
	10 GeoTrust_Global_CA.crt		Info	Remove	
	11 GeoTrust_Primary_Certification_Autho	prity.crt	Info	Remove	
☆	12 GeoTrust_Primary_Certification_Author	prityG2.crt	Info	Remove	
u	13 GeoTrust_Primary_Certification_Author	prityG3.crt	Info	Remove	
条 5	14 GeoTrust_Universal_CA.crt		Info	Remove	
L .	15 GeoTrust_Universal_CA_2.crt		Info	Remove	
•	16 Go_Daddy_Class_2_CA.pem		Info	Remove	
	17 Go_Daddy_Root_Certificate_Authority	/G2.pem	Info	Remove	
	18 VeriSign_Class_3_Public_Primary_Cert	ification_AuthorityG4.crt	Info	Remove	
	19 VeriSign_Class_3_Public_Primary_Cert	ification_AuthorityG5.crt	Info	Remove	
	20 VeriSign_Universal_Root_Certification	_Authority.crt	Info	Remove	
	21 Verisign_Class_1_Public_Primary_Cert	ification_Authority.crt	Info	Remove	
	22 Verisign_Class_1_Public_Primary_Cert	ification_AuthorityG3.crt	Info	Remove	
	23 Verisign_Class_2_Public_Primary_Cert	ification_AuthorityG2.crt	Info	Remove	
	24 Verisign_Class_2_Public_Primary_Cert	ification_Authority_*_G3.crt	Info	Remove	
	25 Verisign_Class_3_Public_Primary_Cert	ification_Authority.crt	info	Remove	
	26 Verisign_Class_3_Public_Primary_Cert	ification_AuthorityG3.crt	Info	Remove	
	27 thawte_Primary_Root_CA.crt		Info	Remove	
	28 thawte_Primary_Root_CAG2.crt		Info	Remove	
	29 thawte_Primary_Root_CAG3.crt		Info	Remove	
					3

2.11 Multicast

The Multicast page allows the device to join up to ten paging zones that will activate the strobe when a stream is sent to its address.

A paging zone can consist of one or many CyberData multicast group-enabled products. There is no limit to how many endpoints can be in a given paging zone. Each multicast group is defined by a multicast address and port number.

Each multicast group is assigned a priority, allowing simultaneously arriving pages to be serviced based on importance. Multicast groups are compatible with IGMP through version 3. The device supports simultaneous SIP and Multicast.

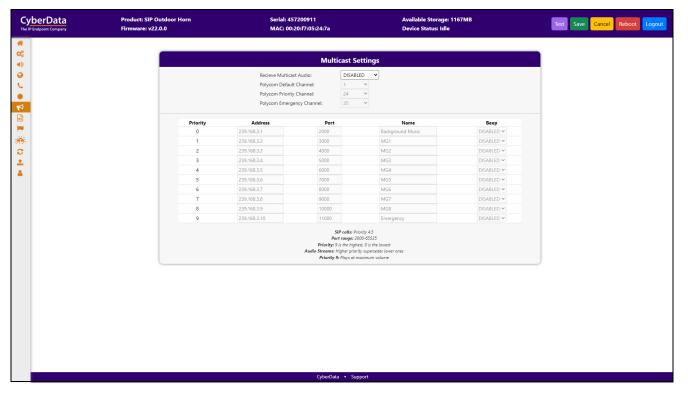


Figure 2-13. Multicast Page

2.12 Audiofiles

The **Audiofiles** page is used to add custom audio to the board. User uploaded audio will take precedence over the audio files shipped with the device.

This device supports stored messages. When stored messages are enabled, the user will hear "Press 0 to page, press 1 to 9 to play stored message" when calling the device.

To configure stored messages, an audio file must be uploaded, using Choose **File** and **Save**. The number of repeats can be specified or set to infinite (where the message plays until cancelled by the **#** button during a phone call).

CyberData The IP Endpoint Company	Product: SIP Outdoor Horn Firmware: v22.0.0	Serial: 457200911 MAC: 00:20:f7:05:24:7a	Available Storage: 1249MB Device Status: Idle	Test Save Cancel Reboot Logout
* C: ∢)		Audio	Files	
0 U	0:	Currently set to:	default Choose File No file chosen	Play Save Delete
 ● ● ● 	1:	Currently set to:	default Choose File No file chosen	Play Save Delete
b	2:	Currently set to:	default Choose File No file chosen	Play Save Delete
► ※	3:	Currently set to:	default Choose File No file chosen	Play Save Delete
c	4:	Currently set to:	default Choose File No file chosen	Play Save Delete
± ≜	5:	Currently set to:	default Choose File No file chosen	Play Save Delete
	6:	Currently set to:	default Choose File No file chosen	Play Save Delete
	7:	Currently set to:	default Choose File No file chosen	Play Save Delete
	8:	Currently set to:	default Choose File No file chosen	Play Save Delete
	9:	Currently set to:	default Choose File No file chosen	Play Save Delete
	Audio Test:	Currently set to:	default Choose File No file chosen	Play Save Delete
	Dot:	Currently set to:	default Choose File No file chosen	Play Save Delete
	Night Ring:	Currently set to:	default Choose File No file chosen	Play Save Delete
	Page Tone:	Currently set to:	default Choose File No file chosen	Play Save Delete
	Rebooting:	Currently set to:	default Choose File No file chosen	Play Save Delete
	Restoring Default:	Currently set to:	default Choose File No file chosen	Play Save Delete
	Stored Message File Not Found:	Currently set to:	default Choose File No file chosen	Play Save Delete
		CyberData • S	upport	

Figure 2-14. Audiofiles Page (1 of 3)

Figure 2-15. Audiofiles Page (2 of 3)

Your IP Address Is: Currently set to: default Choose File No file chosen Play Save Delete Menu Audio Files Cancel: Currently set to: default Choose File No file chosen Play Save Delete Currently Playing: Currently set to: default Choose File No file chosen Play Save Delete Page: Currently set to: default Choose File No file chosen Play Save Delete Page: Currently set to: default Choose File No file chosen Play Save Delete Page: Currently set to: default Choose File No file chosen Play Save Delete Page: Currently set to: default Choose File No file chosen Play Save Delete Pound (#): Currently set to: default Choose File No file chosen Play Save Delete Through: Currently set to: default Choose File No file chosen Play Save Delete	berData Endpoint Company	Product: SIP Outdoor Horn Firmware: v22.0.0	Serial: 457200911 MAC: 00:20:f7:05:24:7a	Available Storage: 1249MB Device Status: Idle	Test Save Cancel Reboo
Cancel: Currently set to: default Choose File No file chosen Play Save Delete Currently Playing: Currently set to: default Choose File No file chosen Play Save Delete Invalid Entry: Currently set to: default Choose File No file chosen Play Save Delete Page: Currently set to: default Choose File No file chosen Play Save Delete Page: Currently set to: default Choose File No file chosen Play Save Delete Page: Currently set to: default Choose File No file chosen Play Save Delete Pound (#): Currently set to: default Choose File No file chosen Play Save Delete Through: Currently set to: default Choose File No file chosen Play Save Delete To: Currently set to: default Choose File No file chosen Play Save Delete Enter Security Code Followed by Pound (#) key: <th></th> <th>Your IP Address Is:</th> <th>Currently set to:</th> <th>default Choose File No file chosen</th> <th>Play Save Delete</th>		Your IP Address Is:	Currently set to:	default Choose File No file chosen	Play Save Delete
Currently Playing: Currently set to: default Choose File No file chosen Play Save Delete Invalid Entry: Currently set to: default Choose File No file chosen Play Save Delete Page: Currently set to: default Choose File No file chosen Play Save Delete Play Stored Message: Currently set to: default Choose File No file chosen Play Save Delete Pound (#): Currently set to: default Choose File No file chosen Play Save Delete Press: Currently set to: default Choose File No file chosen Play Save Delete Through: Currently set to: default Choose File No file chosen Play Save Delete To: Currently set to: default Choose File No file chosen Play Save Delete Enter Security Code Followed by Pound (#) key: Currently set to: default Choose File No file chosen Play Save Delete			Menu Au	dio Files	
Invalid Entry: Currently set to: default Choose File No file chosen Play Save Delete Page: Currently set to: default Choose File No file chosen Play Save Delete Play Stored Message: Currently set to: default Choose File No file chosen Play Save Delete Pound (#): Currently set to: default Choose File No file chosen Play Save Delete Press: Currently set to: default Choose File No file chosen Play Save Delete To: Currently set to: default Choose File No file chosen Play Save Delete Enter Security Code Followed by Pound (#) key: Currently set to: default Choose File No file chosen Play Save Delete Stored Message 1: Currently Stored Message 1: Currently efault Choose File No file chosen Play Save Delete Stored Message 2: Currently default Choose File No file chosen Repeat: 0 </td <td></td> <td>Cancel:</td> <td>Currently set to:</td> <td>default Choose File No file chosen</td> <td>Play Save Delete</td>		Cancel:	Currently set to:	default Choose File No file chosen	Play Save Delete
Page: Currently set to: default Choose File No file chosen Play Save Delete Play Stored Message: Currently set to: default Choose File No file chosen Play Save Delete Pound (#): Currently set to: default Choose File No file chosen Play Save Delete Press: Currently set to: default Choose File No file chosen Play Save Delete Through: Currently set to: default Choose File No file chosen Play Save Delete To: Currently set to: default Choose File No file chosen Play Save Delete Enter Security Code Followed by Pound (#) key: Currently set to: default Choose File No file chosen Play Save Delete Stored Message 1: Currently Stored Message 1: Currently default Choose File No file chosen Play Save Delete Stored Message 1: Currently default Choose File No file chosen Repeat: Infinite		Currently Playing:	Currently set to:	default Choose File No file chosen	Play Save Delete
Play Stored Message: Currently set to: default Choose File No file chosen Play Save Delete Pound (#): Currently set to: default Choose File No file chosen Play Save Delete Press: Currently set to: default Choose File No file chosen Play Save Delete Through: Currently set to: default Choose File No file chosen Play Save Delete To: Currently set to: default Choose File No file chosen Play Save Delete Enter Security Code Followed by Pound (#) key: Currently set to: default Choose File No file chosen Play Save Delete Stored Message 1: Currently set to: default Choose File No file chosen Repeat: 0 Infinite: OFF v Play Save Delete Stored Message 2: Currently default Choose File No file chosen Repeat: 0 Infinite: OFF v Play Save Delete		Invalid Entry:	Currently set to:	default Choose File No file chosen	Play Save Delete
Pound (#): Currently set to: default Choose File No file chosen Play Save Delete Press: Currently set to: default Choose File No file chosen Play Save Delete Through: Currently set to: default Choose File No file chosen Play Save Delete To: Currently set to: default Choose File No file chosen Play Save Delete Enter Security Code Followed by Pound (#) key: Currently set to: default Choose File No file chosen Play Save Delete Stored Message 1: Currently set to: default Choose File No file chosen Repeat: 0 Infinite: OFF ♥ Play Save Delete Stored Message 2: Currently default Choose File No file chosen Repeat: 0 Infinite: OFF ♥ Play Save Delete		Page:	Currently set to:	default Choose File No file chosen	Play Save Delete
Press: Currently set to: default Choose File No file chosen Play Save Delete Through: Currently set to: default Choose File No file chosen Play Save Delete To: Currently set to: default Choose File No file chosen Play Save Delete Enter Security Code Followed by Pound (#) key: Currently set to: default Choose File No file chosen Play Save Delete Enter Security Code Followed by Pound (#) key: Currently set to: default Choose File No file chosen Play Save Delete Stored Message 1: Currently set to: Currently default Choose File No file chosen Repeat: 0 Infinite: OFF ♥ Play Save Delete Stored Message 2: Currently set to: default Choose File No file chosen Repeat: 0 Infinite: OFF ♥ Play Save Delete		Play Stored Message:	Currently set to:	default Choose File No file chosen	Play Save Delete
Through: Currently set to: default Choose File No file chosen Play Save Delete To: Currently set to: default Choose File No file chosen Play Save Delete Enter Security Code Followed by Pound (#) key: Currently set to: default Choose File No file chosen Play Save Delete Stored Message 1: Currently set to: default Choose File No file chosen Repeat: Infinite: OFF Play Save Delete Stored Message 2: Currently default Choose File No file chosen Repeat: 0 Infinite: OFF Play Save Delete		Pound (#):	Currently set to:	default Choose File No file chosen	Play Save Delete
To: Currently set to: default Choose File No file chosen Play Save Delete Enter Security Code Followed by Pound (#) key: Currently set to: default Choose File No file chosen Play Save Delete Stored Messages Stored Message 1: Currently default Choose File No file chosen Repeat: 0 Infinite: OFF ♥ Play Save Delete Stored Message 2: Currently default Choose File No file chosen Repeat: 0 Infinite: OFF ♥ Play Save Delete		Press:	Currently set to:	default Choose File No file chosen	Play Save Delete
Enter Security Code Followed by Pound (#) key: Currently set to: default Choose File No file chosen Play Save Delete Stored Message 1: Currently set to: default Choose File No file chosen Repeat: 0 Infinite: OFF < Play Save Delete Stored Message 1: Currently set to: default Choose File No file chosen Repeat: 0 Infinite: OFF Play Save Delete Stored Message 2: Currently set to: default Choose File No file chosen Repeat: 0 Infinite: OFF Play Save Delete		Through:	Currently set to:	default Choose File No file chosen	Play Save Delete
Stored Message 1: Currently default Choose File No file chosen Repeat: 0 Infinite: OFF < Play Save Delete Stored Message 2: Currently default Choose File No file chosen Repeat: 0 Infinite: OFF < Play Save Delete		To:	Currently set to:	default Choose File No file chosen	Play Save Delete
Stored Message 1: Currently set to: default Choose File No file chosen Repeat: Infinite: OFF Play Save Delete Stored Message 2: Currently set to: default Choose File No file chosen Repeat: 0 Infinite: OFF Play Save Delete		Enter Security Code Followed by Po	und (#) key: Currently set to:	default Choose File No file chosen	Play Save Delete
Stored Message 1: Currently set to: default Choose File No file chosen Repeat: Infinite: OFF Play Save Delete Stored Message 2: Currently set to: default Choose File No file chosen Repeat: Infinite: OFF Play Save Delete					
Stored Message 1: set to: default Choose File No file chosen Repeat: 0 Infinite: OFF • Play Save Delete Stored Message 2: Currently set to: default Choose File No file chosen Repeat: 0 Infinite: OFF • Play Save Delete			Stored N	lessages	
Stored Message 2: set to: default Choose File No file chosen Repeat: 0 Infinite: OFF Play Save Delete		Stored Message 1:	default Choose File No file ch	osen Repeat: 0 Infinite	: OFF Play Save Delete
		Stored Message 2:	default Choose File No file ch	osen Repeat: 0 Infinite	: OFF - Play Save Delete
Stored Message 3: Currently default Choose File No file chosen Repeat: O Infinite: OFF V Play Save Delete		Stored Message 3:	Currently default Choose File No file ch	osen Repeat: 0 Infinite	: OFF Play Save Delete

Figure 2-16. Audiofiles Page (3 of 3)

any Firmware: v22.0.0	Serial: 457200911 MAC: 00:20:f7:05:24:7a	Available Storage: 1249MB Device Status: Idle	Test Save Cancel Rebo
Pound (*).	currently set to.	default choose the No file chosen	Flay Save Delete
Press:	Currently set to:	default Choose File No file chosen	Play Save Delete
Through:	Currently set to:	default Choose File No file chosen	Play Save Delete
To:	Currently set to:	default Choose File No file chosen	Play Save Delete
Enter Security Code Followed by P	ound (#) key: Currently set to:	default Choose File No file chosen	Play Save Delete
	Stored M	lossagos	
	Stored M	lessages	
Stored Message 1:	Currently default Choose File No file ch	osen Repeat: 0 Infinite: OF	F V Play Save Delete
Stored Message 2:	Currently default Choose File No file ch	osen Repeat: 0 Infinite: OF	F V Play Save Delete
Stored Message 3:	Currently default Choose File No file ch	osen Repeat: 0 Infinite: OF	F V Play Save Delete
Stored Message 4:	Currently default Choose File No file ch	osen Repeat: 0 Infinite: OF	F V Play Save Delete
Stored Message 5:	Currently default Choose File No file ch	osen Repeat: 0 Infinite: OF	F V Play Save Delete
Stored Message 6:	Currently default Choose File No file ch	osen Repeat: 0 Infinite: OF	F V Play Save Delete
Stored Message 7:	Currently default Choose File No file ch	osen Repeat: 0 Infinite: OF	F Play Save Delete
Stored Message 8:	Currently default Choose File No file ch	osen Repeat: 0 Infinite: OF	F V Play Save Delete
Stored Message 9:	Currently default Choose File No file ch	osen Repeat: 0 Infinite: OF	F V Play Save Delete

Operations Guide

2.13 Events

The **Events** page specifies a remote server that can be used to receive HTTP POST events when actions take place on the device.

Cy The IP	berData Endpoint Company	Product: SIP Outdoor Horn Firmware: v22.0.0	Serial: 457200911 MAC: 00:20:f7:05:24:7a	Available St Device Stat	torage: 1167MB us: Idle	Test Save Cancel Reboot Logout
* 8 *			Event Server		Events	
● ● ノ ● 卒 回 ■ ※ ひ 土 ■		Event Generation: Server IP Address: Server URL: Server URL:	Units Barcel 10.0.250 0800 xmiparse_engine	Application Started Events: Reboot Events: Heartbeat Events: Call Started Events: Nightring Events: Multicast Started Events: Multicast Started Events: Audio Health Check Events:	DISABLED V DISABLED V DISABLED V DISABLED V DISABLED V DISABLED V DISABLED V DISABLED V DISABLED V	
			CyberData •	Support		

Figure 2-17. Events Page

If you are using an InformaCast enabled device, you will see the following:

Figure 2-18. InformaCast enabled Device

InformaCast Start Events:	DISABLED	~
InformaCast Stop Events:	DISABLED	~

2.13.1 Example Packets for Events

The server and port are used to point to the listening server and the 'Remote Event Server URL' is the destination URL (typically the script running on the remote server that's used to parse and process the POST events).

Note The XML is URL-encoded before transmission so the following examples are not completely accurate.

Here are example packets for every event:

```
POST xmlparse engine HTTP/1.1
Host: 10.0.3.79
User-Agent: CyberData/1.0.0
Content-Length: 197
Content-Type: application/x-www-form-urlencoded
<?xml version="1.0" encoding="ISO-8859-1"?>
<cyberdata NAME='CyberData VoIP Device' MAC='0020f70015b6'>
<event>POWERON</event>
</cyberdata>
POST xmlparse engine HTTP/1.1
Host: 10.0.3.79
User-Agent: CyberData/1.0.0
Content-Length: 199
Content-Type: application/x-www-form-urlencoded
<?xml version="1.0" encoding="ISO-8859-1"?>
<cyberdata NAME='CyberData VoIP Device' MAC='0020f70015b6'>
<event>HEARTBEAT</event>
</cyberdata>
POST xmlparse engine HTTP/1.1
Host: 10.0.3.79
User-Agent: CyberData/1.0.0
Content-Length: 196
Content-Type: application/x-www-form-urlencoded
<?xml version="1.0" encoding="ISO-8859-1"?>
<cyberdata NAME='CyberData VoIP Device' MAC='0020f70015b6'>
<event>BUTTON</event>
</cyberdata>
POST xmlparse engine HTTP/1.1
Host: 10.0.3.79
User-Agent: CyberData/1.0.0
Content-Length: 201
Content-Type: application/x-www-form-urlencoded
<?xml version="1.0" encoding="ISO-8859-1"?>
<cyberdata NAME='CyberData VoIP Device' MAC='0020f70015b6'>
<event>CALL ACTIVE</event>
</cyberdata>
```

```
POST xmlparse engine HTTP/1.1
Host: 10.0.3.79
User-Agent: CyberData/1.0.0
Content-Length: 205
Content-Type: application/x-www-form-urlencoded
<?xml version="1.0" encoding="ISO-8859-1"?>
<cyberdata NAME='CyberData VoIP Device' MAC='0020f70015b6'>
<event>CALL TERMINATED</event>
</cyberdata>
POST xmlparse engine HTTP/1.1
Host: 10.0.3.79
User-Agent: CyberData/1.0.0
Content-Length: 197
Content-Type: application/x-www-form-urlencoded
<?xml version="1.0" encoding="ISO-8859-1"?>
<cyberdata NAME='CyberData VoIP Device' MAC='0020f70015b6'>
<event>RINGING</event>
</cyberdata>
POST xmlparse engine HTTP/1.1
Host: 10.0.3.79
User-Agent: CyberData/1.0.0
Content-Length: 234
Content-Type: application/x-www-form-urlencoded
<?xml version="1.0" encoding="ISO-8859-1"?>
<cyberdata NAME='CyberData VoIP Device' MAC='0020f70015b6'>
<event>MULTICAST START
<index>8</index>
</cyberdata>
POST xmlparse engine HTTP/1.1
Host: 10.0.3.79
User-Agent: CyberData/1.0.0
Content-Length: 233
Content-Type: application/x-www-form-urlencoded
<?xml version="1.0" encoding="ISO-8859-1"?>
<cyberdata NAME='CyberData VoIP Device' MAC='0020f70015b6'>
<event>MULTICAST STOP</event>
<index>8</index>
</cyberdata>
POST xmlparse engine HTTP/1.1
Host: 10.0.3.79
User-Agent: CyberData/1.0.0
Content-Length: 234
Content-Type: application/x-www-form-urlencoded
<?xml version="1.0" encoding="ISO-8859-1"?>
<cyberdata NAME='CyberData VoIP Device' MAC='0020f70015b6'>
<event>RELAY ACTIVATED</event>
</cyberdata>
```

```
POST xmlparse_engine HTTP/1.1
Host: 10.0.3.79
User-Agent: CyberData/1.0.0
Content-Length: 234
Content-Type: application/x-www-form-urlencoded
<?xml version="1.0" encoding="ISO-8859-1"?>
<cyberdata NAME='CyberData VoIP Device' MAC='0020f70015b6'>
<event>RELAY_DEACTIVATED</event>
</cyberdata>
```

```
POST xmlparse_engine HTTP/1.1
Host: 10.0.3.79
User-Agent: CyberData/1.0.0
Content-Length: 234
Content-Type: application/x-www-form-urlencoded
<?xml version="1.0" encoding="ISO-8859-1"?>
<cyberdata NAME='CyberData VoIP Device' MAC='0020f70015b6'>
<event>NIGHTRINGING</event>
</cyberdata>
```

2.14 Terminus

Terminus Cloud Control[™] allows users to configure, monitor, and manage notification functions for CyberData's extensive VoIP product line, all from a single, easy-to-use platform. To learn more about Terminus Cloud Control[™], go to <u>https://www.cyberdata.net/pages/terminus</u>.

The **Terminus** page allows for configuration of settings related to Terminus Cloud Control[™].

Figure 2-19. Terminus Page

Cyl The IP I	DerData	Product: SIP Outdoor Horn Firmware: v22.0.0	Serial: 457200911 MAC: 00:20:f7:05:24:7a	Available Storage: Device Status: Idle	Test Save Cancel R	eboot Logout
* * * *				overy Setting		
3 . € \$			Multicast Address: Time to Live: Discovery Interval:	239.27.32.4 255 60 seconds		
			Lock Down Mode: Relay:	down Settings Disabled No Action		
© ± 4						
			CyberData	a • Support		

2.15 Autoprovisioning

Enabling autoprovisioning allows the device to download provisioning files from a server. It defaults to using DHCP, with options configured in dhcpd.conf on the DHCP server. The file name is <mac address>.xml and if not found, 00000cd.xml.

If a server is named, DHCP is bypassed, and the device will look for a file on the named server.

If a file is named, it will be downloaded instead of <mac address>,xml.

If a server is named, **Use tftp** searches for the file on a tftp server instead of http. If the server is secured (with a password), use **Verify Server Certificate** (username/password) to access it. When using DHCP, these options are configured in dhcpd.conf.

Autoprov autoupdate, Autoprov at time, and Autoprov when idle options are available with either DHCP or a named server.

The template is an xml file with all options set to default values.

Figure 2-20. Autoprovisioning Page

DerData Product: SIP Ou ndpoint Company Firmware: v22.0	Serial: 457200911 MAC: 00:20:f7:05:24:7a	Available Storage: 1249MB Device Status: Idle	Test Save Cancel Reboot Logout
	MAC: 00:20:f7:05:24:7a	Device Status: Idle 2024-11-06 13:38:53 Autoprovd: no autopro 2024-11-06 13:38:56 Autoprov found server: 2024-11-06 13:38:56 Autoprov found server: 2024-11-06 13:38:56 Autoprov downloading 2024-11-06 13:38:56 Autoprov downloading 2024-11-06 13:38:57 Autoprov: Processing as 2024-11-06 13:38:57 Natoprov: Processing as 2024-11-06 13:38:57 Autoprov: Processing as 2024-11-06 13:38:57 Autoprov: FirmwareSett 2024-11-06 13:38:58 SUCertificates: error = F 2024-11-06 13:38:58 SS SUCE-drificates: error = 2024-11-06 13:38:58 SUCE-drificates: error = 2024-11-06 13:38:58 SUCE-drificates: error = 2024-11-06 13:38:58 SS SUCE-drificates: error = 2024-11-06 13:38:58 SS SUCE-drificates: error = 2024-11-06 13:38:58 SUCE-drificates: error = 2024-11-06 13:38:58 SS SUCE-drificates: error = 2024-11-06 13:38:58 SUCE-dr	Itoprov Log vd triggers. Exiting ot ="http://10.0.0242' in dhcp option 43 200705247a.xml at http://10.0.0.242 http://10.0.0242/20020705247a.xml g '00207705247a.xml' al certificates in SSLCertificates uido files tings config not found alse None
	c CyberData	 Support 	

2.16 Firmware

Note CyberData strongly recommends that you do not upgrade the firmware when the device is likely to be in use.

To upgrade the firmware of your device:

1. Download the latest firmware from the following CyberData web site, and locate your device: <u>https://www.cyberdata.net/collections/sip</u>

https://www.cyberdata.net/collections/singlewire (for InformaCast Enabled devices)

- 2. Unzip the firmware version file. This file may contain the following:
- Firmware file
- Release notes
- Autoprovisioning template



Figure 2-21. Firmware Page

CyberData The IP Endpoint Company	Product: SIP Outdoor Horn Firmware: v22.0.0	Serial: 457200911 MAC: 00:20:f7:05:24:7a	Available Storage: 1167MB Device Status: Idle	Test Save Cancel Reboot Logout
6 0		Firmware Setting	as	
-40 ⊘ €_		Firmware Version: v22.0 Choose File No file chosen Upload Progre	.0	
₹		Upload Post Proc	essing	
		Socket connected	ges	
4				
		CyberData • Support		

2.17 Admin

The administrator uses the Users List to create new accounts, assigning user names and passwords, and granting access to specific web pages.

	CyberData Ne IP Endpoint Company		Product: SIP Outdoor Horn Firmware: v22.0.0	Serial: 457200911 MAC: 00:20:f7:05:24:7a	Available Storage: 1167MB Device Status: Idle	Test Save Cancel Reboot Logout
Add New User Delete Ail Users Import Users Usersame Home Device Audio Network SIP SSL Multicast Audiotites Events Terminus Autoprov Firmware Admin	Us Pat Co	semame: sseword: onfirm Password: orage: oorage: boot Count:	admin Statistics 1167MB 68 51	Debug Leve: Log Network Traffic Cet Application Log Remove Applicat Get Network Log Remove All Log Remove All Log	Partition 3 Booting Partition Ak Log Impor	v22.00 v22.00 fault Config Restore Default Confifcates (Config Export Config
Username Home Device Audio Network SIP SSL Multicast Audiotites Events Terminus Autoprov Firmware Admin				Users List		
		Username Home	Device Audio			oprov Firmware Admin
					View Log	

Figure 2-22. Admin Page

2.18 Command Interface

Some functions on the device can be activated using simple POST commands to the web interface. The examples in Table 2-2 use the free unix utility, **wget**, but any program that can send http POST commands to the device should work.

2.18.1 Command Interface Post Commands

These commands require an authenticated session (a valid username and password to work).

Device Action	HTTP Post Command ^a	
Reboot	wgetuser adminpassword adminauth-no-challengequiet -O /dev/nullno-check-certificate "https://10.10.1.247/command" post-data "request=reboot"	
Place call to extension (example: extension 600)	wgetuser adminpassword adminauth-no-challengequiet -O /dev/nullno-check-certificate "https://10.10.1.247/command" post-data "request=call&extension=600"	
Terminate a calli	wgetuser adminpassword adminauth-no-challengequiet -O /dev/nullno-check-certificate "https://10.10.1.247/command" post-data "request=terminate"	
Speak IP Address	wgetuser adminpassword adminauth-no-challengequiet -O /dev/nullno-check-certificate "https://10.10.1.247/command" post-data "request=speak_ip_address"	
Test Audio	wgetuser adminpassword adminauth-no-challengequiet -O /dev/nullno-check-certificate "https://10.10.1.247/command" post-data "request=test_audio"	
Swap Boot partitions	wgetuser adminpassword adminauth-no-challengeno- check-certificatequiet -O /dev/null "https://10.10.1.81/command" post-data "request=swap_boot_partition"	

Table 2-2. Command Interface Post Commands

a.Type and enter all of each http POST command on one line.

Appendix A: Troubleshooting/Technical Support

A.1 Contact Information

Contact CyberData Corporation 3 Justin Court Monterey, CA 93940 USA <u>www.cyberdata.net</u> Phone: 831-373-2601 Fax: 831-373-4193

Sales Sales 831-373-2601, Extension 334

TechnicalThe fastest way to get technical support for your VoIP product is to submit a VoIP TechnicalSupportSupport form at the following website:

https://support.cyberdata.net/

The Support Form initiates a ticket which CyberData uses for tracking customer requests. Most importantly, the Support Form tells us which PBX system and software version that you are using, the make and model of the switch, and other important information. This information is essential for troubleshooting. Please also include as much detail as possible in the **Comments** section of the Support Form.

Phone: (831) 373-2601, Extension 333

A.2 Warranty and RMA Information

The most recent warranty and RMA information is available at the following website address:

https://support.cyberdata.net/

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