



Multicast Speaker Operations Guide

Part #011458, 011487, 011504, 011505

Document Part #932056A for Firmware Version 22.0.3

CyberData Corporation 3 Justin Court Monterey, CA 93940 (831) 373-2601

Multicast Speaker Operations Guide 932056A Part # 011458, 011487, 011504, 011505

COPYRIGHT NOTICE:

© 2024, CyberData Corporation, ALL RIGHTS RESERVED.

This manual and related materials are the copyrighted property of CyberData Corporation. No part of this manual or related materials may be reproduced or transmitted, in any form or by any means (except for internal use by licensed customers), without prior express written permission of CyberData Corporation. This manual, and the products, software, firmware, and/or hardware described in this manual are the property of CyberData Corporation, provided under the terms of an agreement between CyberData Corporation and recipient of this manual, and their use is subject to that agreement and its terms.

DISCLAIMER: Except as expressly and specifically stated in a written agreement executed by CyberData Corporation, CyberData Corporation makes no representation or warranty, express or implied, including any warranty or merchantability or fitness for any purpose, with respect to this manual or the products, software, firmware, and/or hardware described herein, and CyberData Corporation assumes no liability for damages or claims resulting from any use of this manual or such products, software, firmware, and/or hardware. CyberData Corporation reserves the right to make changes, without notice, to this manual and to any such product, software, firmware, and/or hardware.

OPEN SOURCE STATEMENT: Certain software components included in CyberData products are subject to the GNU General Public License (GPL) and Lesser GNU General Public License (LGPL) "open source" or "free software" licenses. Some of this Open Source Software may be owned by third parties. Open Source Software is not subject to the terms and conditions of the CyberData COPYRIGHT NOTICE or software licenses. Your right to copy, modify, and distribute any Open Source Software is determined by the terms of the GPL, LGPL, or third party, according to who licenses that software.

Software or firmware developed by CyberData that is unrelated to Open Source Software is copyrighted by CyberData, subject to the terms of CyberData licenses, and may not be copied, modified, reverse-engineered, or otherwise altered without explicit written permission from CyberData Corporation.

TRADEMARK NOTICE: CyberData Corporation and the CyberData Corporation logos are trademarks of CyberData Corporation. Other product names, trademarks, and service marks may be the trademarks or registered trademarks of their respective owners.



Technical Support

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 932056A, which corresponds to firmware version 22.0.3, was released on November 17, 2024.

Pictorial Alert Icons



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.
- 14. WARNING: The Multicast Speaker enclosure is not rated for any AC voltages!



Warning

Electrical Hazard: This product should be installed by a licensed electrician according to all local electrical and building codes.



Warning

Electrical Hazard: To prevent injury, this apparatus must be securely attached to the floor/wall in accordance with the installation instructions.



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 |
| u-law | A companding algorithm, primarily used in the digital telecommunication |
| UC | Unified Communications |
| VoIP | Voice over Internet Protocol |

Contents

| Chapter 1 Multicast Ceiling Speaker Device Setup (Part #0114: 011504) | 58 and 1 |
|---|-------------|
| 1.1 Confirm that the Speaker is Operational and Linked to the Network | 1 |
| 1.2 Link/Activity LED | |
| 1.2.1 100 Mb LED | 1 |
| | |
| Chapter 2 Multicast Wall Mount Speaker Device Setup (Part #0 | 11487 and |
| 011504) | 2 |
| 2.1 Confirm that the Speaker is Operational and Linked to the Network | 2 |
| 2.2 Link/Activity LED | |
| 2.2.1 100 Mb LED | 2 |
| | |
| Chapter 3 Configure the Device | 3 |
| 3.1 Home Page | |
| 3.1.1 Announcing the IP Address | |
| 3.1.2 Restoring Factory Defaults | |
| 3.2 Device | |
| 3.3 Network | _ |
| 3.4 SSL | |
| 3.5 Multicast | |
| 3.6 Audiofiles | |
| 3.7 Events | |
| 3.7.1 Example Packets for Events | |
| 3.8 Terminus | |
| 3.9 Autoprovisioning | |
| 3.10 Firmware | |
| 3.11 Admin | |
| 3.12 Command Interface | |
| 3.12.1 Command Interface Post Commands | 20 |
| Appendix A Troubleshooting/Technical Support | 22 |
| A.1 Contact Information | 22 |
| A.2 Warranty and RMA Information | |
| | |
| Index | 23 |

1 Multicast Ceiling Speaker Device Setup (Part #011458 and 011504)

1.1 Confirm that the Speaker is Operational and Linked to the Network

After connecting the speaker to the 802.3af compliant Ethernet hub, the LEDs on the rear of the speaker housing confirm that the speaker is operational and linked to the network.

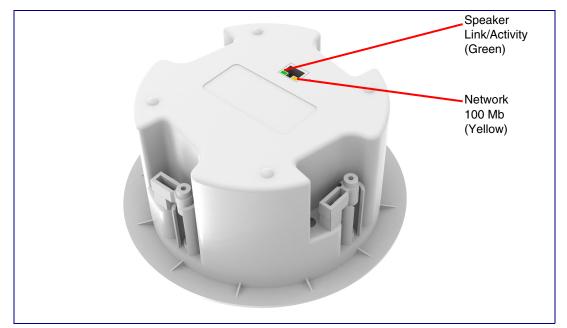


Figure 1-1. Status and Activity LEDs

1.2 Link/Activity LED

After supplying power to the speaker:

- 1. The green Link/Activity LED comes on immediately to show that there is a good network connection, and then blinks to show network activity.
- 2. After about 23 seconds with a static IP address (or 27 seconds if the board is set to use DHCP), the speaker should be ready.

Note If the board is set to use DHCP and there is not a DHCP server available on the network, it will try 12 times with a three second delay between tries and eventually fall back to the programmed static IP address (by default 10.10.10.10). This process will take approximately 80 seconds.

1.2.1 100 Mb LED

 The yellow 100 Mb LED is illuminated when the network 100 Mb link to the speaker is established.

Operations Guide 932056A CyberData Corporation

2 Multicast Wall Mount Speaker Device Setup (Part #011487 and 011504)

2.1 Confirm that the Speaker is Operational and Linked to the Network

After connecting the speaker to the 802.3af compliant Ethernet hub, the LEDs on the rear of the speaker housing confirm that the speaker is operational and linked to the network.

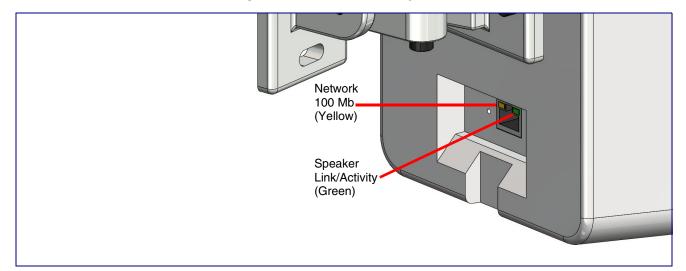


Figure 2-1. Status and Activity LEDs

2.2 Link/Activity LED

After supplying power to the speaker:

- 1. The green Link/Activity LED comes on immediately to show that there is a good network connection, and then blinks to show network activity.
- 2. After about 23 seconds with a static IP address (or 27 seconds if the board is set to use DHCP), the speaker should be ready.

Note If the board is set to use DHCP and there is not a DHCP server available on the network, it will try 12 times with a three second delay between tries and eventually fall back to the programmed static IP address (by default 10.10.10.10). This process will take approximately 80 seconds.

2.2.1 100 Mb LED

 The yellow 100 Mb LED is illuminated when the network 100 Mb link to the speaker is established.

3 Configure the Device

3.1 Home Page

Figure 3-1. Log In Page



1. Open your browser to the Multicast Speaker 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 Multicast Speaker.

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.

2. On the Log In Page (Figure 3-1), use the following default **Web Access Username** and **Web Access Password** to access the **Home Page** (Figure 3-4):

Web Access Username: admin
Web Access Password: admin

3.1.1 Announcing the IP Address

The RTFM button is located on the back of the each device (Figure 3-2 and Figure 3-3). Use a paper clip to access the button through the hole.

Briefly pressing the RTFM button prompts the device to announce its IP address.

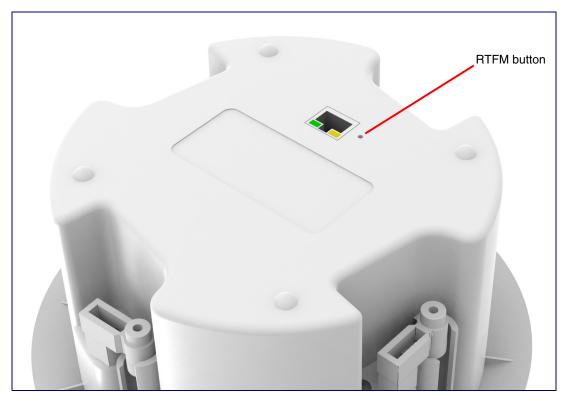
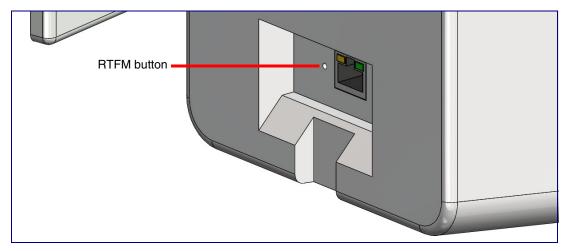


Figure 3-2. RTFM Button (Ceiling Speakers)





3.1.2 Restoring Factory Defaults

To restore the device to its factory default settings (Table 3-1), hold the RTFM button for approximately seven seconds. After 15 to 20 seconds, "Restoring defaults, rebooting" is announced.

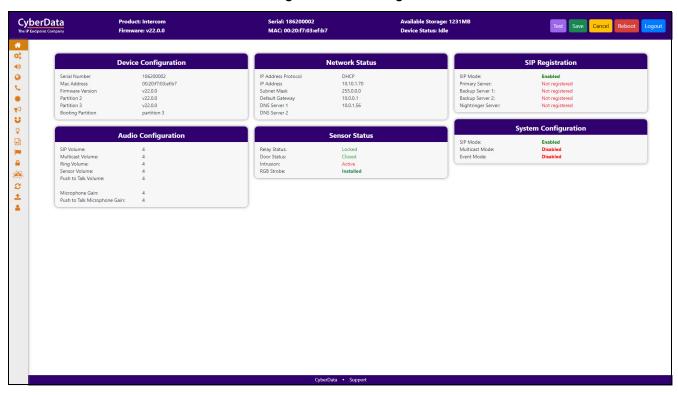
The device will default to DHCP to obtain an IP address, or will use 192.168.1.23 if a DHCP server is not present.

Table 3-1. Factory Default Settings

| Parameter | Factory Default Setting | |
|------------------------------|-------------------------|--|
| IP Addressing | DHCP | |
| IP Address ^a | 192.168.1.23 | |
| Web Access Username | admin | |
| Web Access Password | admin | |
| Subnet Mask ^a | 255.255.255.0 | |
| Default Gateway ^a | 192.168.1.1 | |

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

Figure 3-4. Home Page



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

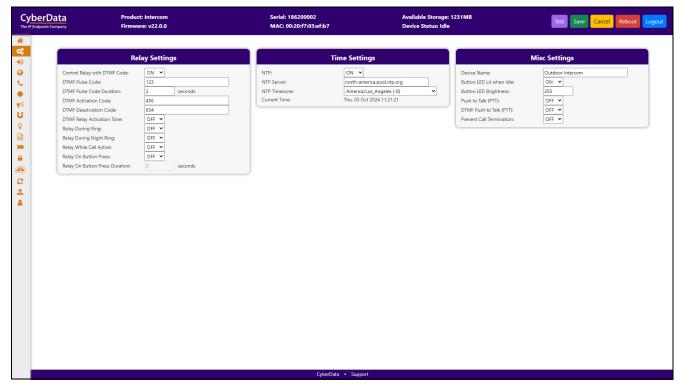
Figure 3-5. InformaCast enabled Device

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

Operations Guide 932056A CyberData Corporation

3.2 Device

Figure 3-6. Device Configuration Page



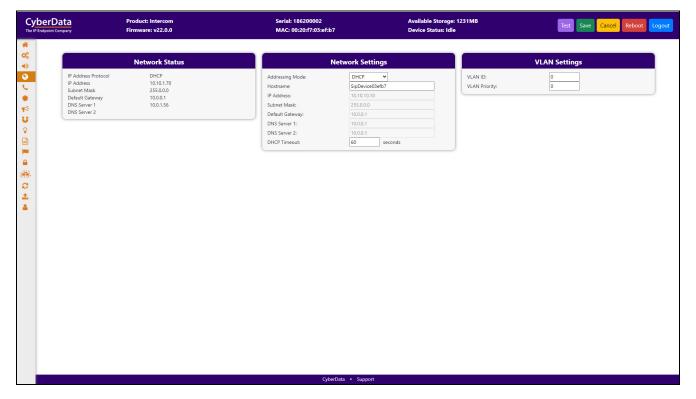
If you are using an InformaCast enabled device, you will see the following:

Figure 3-7. InformaCast enabled Device



3.3 Network

Figure 3-8. Network Page



3.4 SSL

Figure 3-9. SSL Page

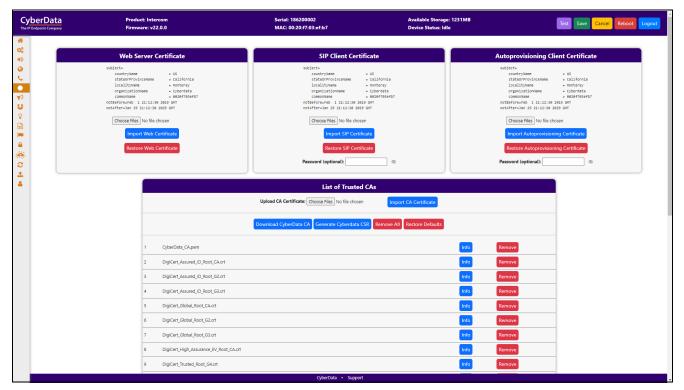
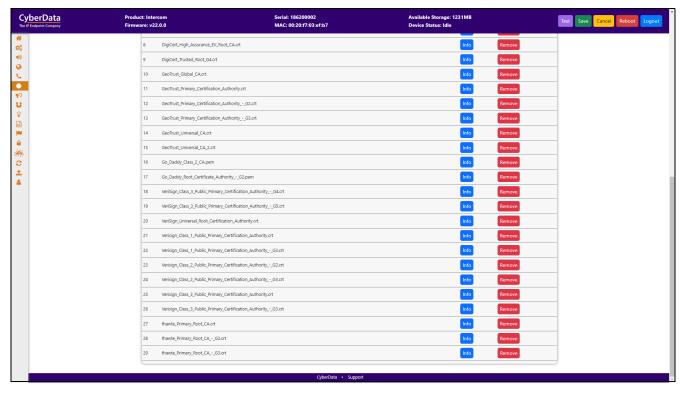


Figure 3-10. SSL Page



3.5 Multicast

The Multicast Configuration page allows the device to join up to ten paging zones for receiving RTP audio streams. A paging zone can consist of one or many CyberData multicast group-enabled products. There is no limit to how many speakers can participate 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. (I'm waiting to hear from Cameron) The device supports simultaneous SIP and Multicast. The device will prioritize simultaneous audio streams according to their priority in the list. If both SIP and Multicast is enabled, SIP audio streams are considered priority 4.5. SIP audio will interrupt multicast streams with priority 0 through 4 and will be interrupted by multicast streams with priority 5 through 9.

During priority 9 multicast streams, the volume is set to maximum. Ringtones all play at the same priority level. This means that it is possible to have a nightring tone and a normal ringtone playing at the same time.

To use Polycom Group Paging, configure a multicast group with the IP address and port number of the Polycom phone. The default is 224.0.1.116, port 5001, but can be configured through the phone. Polycom defaults to channels 1, 24, and 25, but can also be configured. The payload should be 20 ms and the codec G711mu.

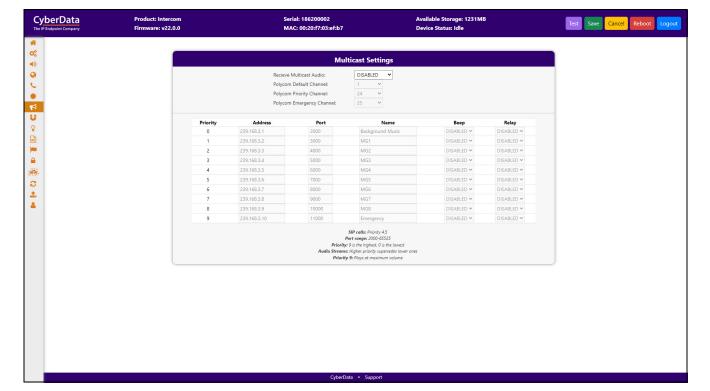


Figure 3-11. Multicast Page

3.6 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 Intercom.

CyberData Product: Intercom Firmware: v22.0.0 Audio Files **②∪***□□□□ default Choose File No file chosen default Choose File No file chosen Currently set to: Currently set to: default Choose File No file chosen Currently set to: default Choose File No file chosen Currently set to: default Choose File No file chosen ■@※♡土@ Choose File No file chosen default Currently set to: Choose File No file chosen Currently set to: default Choose File No file chosen Currently set to: default Choose File No file chosen default Choose File No file chosen Currently set to: Door Aiar default Choose File No file chosen Currently set to: default Choose File No file chosen Choose File No file chosen default Choose File No file chosen Page Tone: Currently set to: Currently set to: default Choose File No file chosen Rebooting: Restoring Default: Currently set to: default Choose File No file chosen Ringback Tone: Currently set to: default Choose File No file chosen Ring Tone: Choose File No file chosen Currently set to: Your IP Address Is: Currently set to: Choose File No file chosen

Figure 3-12. Audiofiles Page

Note The keypad also has the audio file "Blacklist message": Figure 3-13.

Figure 3-13. Keypad audio file "Blacklist message"



Operations Guide 932056A CyberData Corporation

3.7 Events

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

CyberData Serial: 186200002 MAC: 00:20:f7:03:ef:b7 Server IP Address: Reboot Events: Security Events: Call Started Events: Call Terminated Events:
Ring Events:
Nightring Events:
Multicast Started Events:
Multicast Stopped Events:
Relay Activated Events: Relay Deactivated Events: Remote Relay Events: Button Events:

Figure 3-14. Events Page

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

Figure 3-15. InformaCast enabled Device



3.7.1 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:

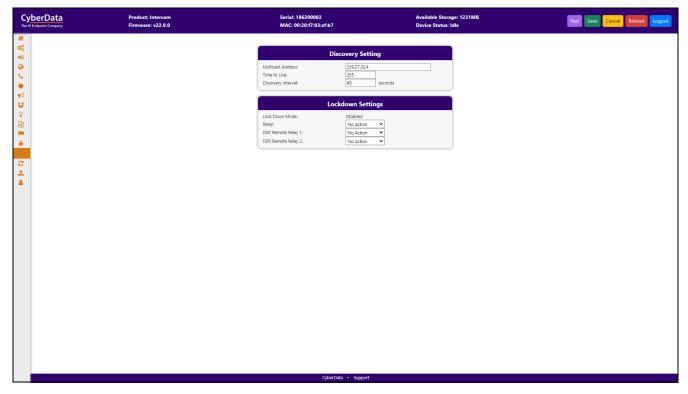
```
POST xmlparse engine HTTP/1.1
Host: 10.0.3.79
User-Agent: CyberData/1.0.0
Content-Length: 197
Content-Type: application/x-www-form-urlencoded
<?xml version="1.0" encoding="ISO-8859-1"?>
<cyberdata NAME='CyberData VoIP Device' MAC='0020f70015b6'>
<event>POWERON</event>
</cyberdata>
POST xmlparse engine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

3.8 Terminus

Figure 3-16. Terminus Page



3.9 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, 000000cd.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.

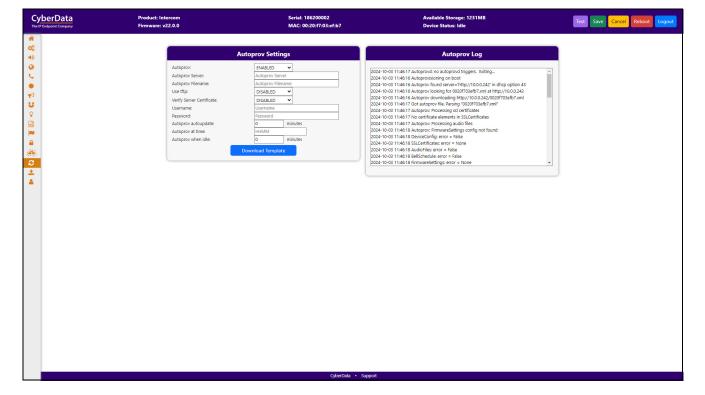


Figure 3-17. Autoprovisioning Page

3.10 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:

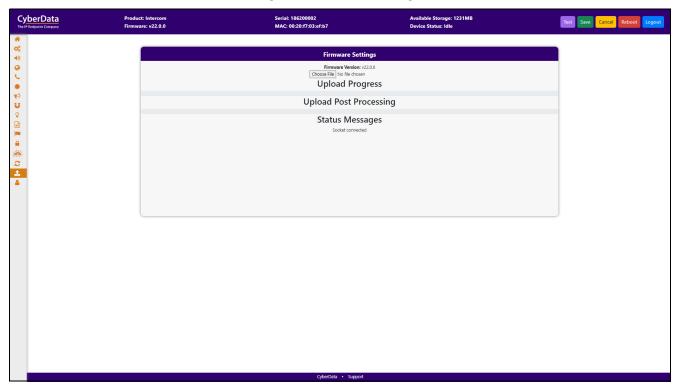
- 1. Download the latest firmware from the following CyberData web site, and locate your device: https://www.cyberdata.net/collections/sip
- 2. Unzip the firmware version file. This file may contain the following:
- Firmware file
- Release notes
- Autoprovisioning template



Caution

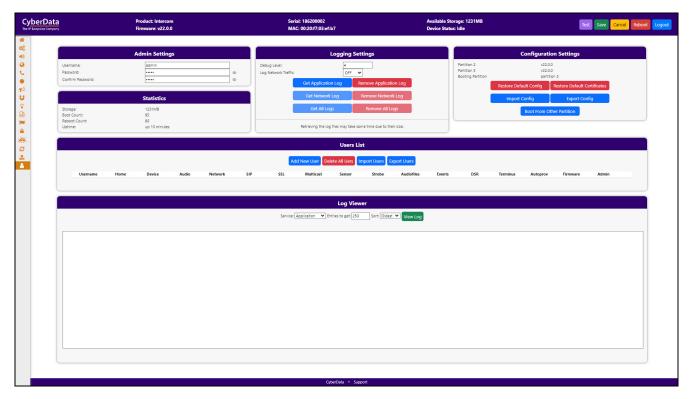
Equipment Hazard: Do not reboot the device. It will reboot automatically when the process is complete.

Figure 3-18. Firmware Page



3.11 Admin

Figure 3-19. Admin Page



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

3.12 Command Interface

Some functions on the device can be activated using simple POST commands to the web interface. The examples in Table 3-2 use the free unix utility, wget, but any program that can send http POST commands to the device should work.

3.12.1 Command Interface Post Commands

These commands require an authenticated session (a valid username and password to Note

Table 3-2. Command Interface Post Commands

| Device Action | HTTP Post Command ^a |
|-------------------------|---|
| Reboot | wgetuser adminpassword adminauth-no-challengequiet -O /dev/nullno-check-certificate "https://10.10.1.154/command"post-data "request=reboot" |
| Test Audio | wgetuser adminpassword adminauth-no-challengequiet -O /dev/nullno-check-certificate "https://10.10.1.154/command"post-data "request=test_audio" |
| Speak IP Address | wgetuser adminpassword adminauth-no-challengequiet -O /dev/nullno-check-certificate "https://10.10.1.154/command"post-data "request=speak_ip_address" |
| Play the "0" audio file | wgetuser adminpassword adminauth-no-challengeno-check-certificate "https://10.10.1.138/audiofiles/"quiet -O/dev/nullpost-data "0=Play" |
| Play the "1" audio file | wgetuser adminpassword adminauth-no-challengeno-check-certificate "https://10.10.1.138/audiofiles/"quiet -O/dev/nullpost-data "1=Play" |
| Play the "2" audio file | wgetuser adminpassword adminauth-no-challengeno-check-certificate "https://10.10.1.138/audiofiles/"quiet -O/dev/nullpost-data "2=Play" |
| Play the "3" audio file | wgetuser adminpassword adminauth-no-challengeno-check-certificate "https://10.10.1.138/audiofiles/"quiet -O/dev/nullpost-data "3=Play" |
| Play the "4" audio file | wgetuser adminpassword adminauth-no-challengeno-check-certificate "https://10.10.1.138/audiofiles/"quiet -O/dev/nullpost-data "4=Play" |
| Play the "5" audio file | wgetuser adminpassword adminauth-no-challengeno-check-certificate "https://10.10.1.138/audiofiles/"quiet -O/dev/nullpost-data "5=Play" |
| Play the "6" audio file | wgetuser adminpassword adminauth-no-challengeno-check-certificate "https://10.10.1.138/audiofiles/"quiet -O/dev/nullpost-data "6=Play" |
| Play the "7" audio file | wgetuser adminpassword adminauth-no-challengeno-check-certificate "https://10.10.1.138/audiofiles/"quiet -O/dev/nullpost-data "7=Play" |

Table 3-2. Command Interface Post Commands (continued)

| Device Action | HTTP Post Command ^a |
|--|--|
| Play the "8" audio file | wgetuser adminpassword adminauth-no-challengeno- check-certificate "https://10.10.1.138/audiofiles/"quiet -O /dev/nullpost-data "8=Play" |
| Play the "9" audio file | wgetuser adminpassword adminauth-no-challengeno-check-certificate "https://10.10.1.138/audiofiles/"quiet -O/dev/nullpost-data "9=Play" |
| Play the "Dot" audio file | wgetuser adminpassword adminauth-no-challengeno-check-certificate "https://10.10.1.138/audiofiles/"quiet -O/dev/nullpost-data "d=Play" |
| Play the Audio Test | wgetuser adminpassword adminauth-no-challengeno- check-certificate "https://10.10.1.138/audiofiles/"quiet -O /dev/nullpost-data "audiotest=Play" |
| Play the "Page Tone" audio file | wgetuser adminpassword adminauth-no-challengeno- check-certificate "https://10.10.1.138/audiofiles/"quiet -O /dev/nullpost-data "pagetone=Play" |
| Play the "Your IP Address Is" audio file | wgetuser adminpassword adminauth-no-challengeno-check-certificate "https://10.10.1.138/audiofiles/"quiet -O/dev/nullpost-data "youripaddressis=Play" |
| Play the "Rebooting" audio file | wgetuser adminpassword adminauth-no-challengeno- check-certificate "https://10.10.1.138/audiofiles/"quiet -O /dev/nullpost-data "rebooting=Play" |
| Play the "Restoring Default" audio file | wgetuser adminpassword adminauth-no-challengeno- check-certificate "https://10.10.1.138/audiofiles/"quiet -O /dev/nullpost-data "restoringdefault=Play" |
| Swap boot partitions | wgetuser adminpassword adminauth-no-challengequiet - O /dev/nullno-check-certificate "https://10.10.1.154/command" post-data "request=swap_boot_partition" |

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 www.cyberdata.net
Phone: 831-373-2601
Fax: 831-373-4193

Sales Sales 831-373-2601, Extension 334

Technical Support 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/

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/

Index

home page 3

http POST command 20

| A | L |
|--|---|
| address, configuration login 3 autoprovisioning 18 autoprovisioning configuration 17 | log in address 3 |
| | M |
| C | multicast configuration 11 |
| changing the web access password 7 command interface 20 commands 20 configuration audio 11 device 3 door sensor 9 intrusion sensor 9 | N network configuration 8, 16 network link activity, verifying 1, 2 |
| network 8, 16 configuration home page 3 contact information 22 CyberData contact information 22 | password login 3 POST command 20 |
| D | S |
| default web login username and password 3 default login address 3 device configuration 3, 7 the device configuration page 17 device configuration page 7, 11 device configuration password changing for web configuration access 7 discovery utility program 3 | sales 22 sensor setup page 9 sensor setup parameters 9 service 22 |
| F | tech support 22 technical support, contact information 22 |
| firmware where to get the latest firmware 18 | U |
| Н | username changing for web configuration access 7 default for web configuration access 3 |
| hazard levels 3 | |



verifying network link and activity 1, 2 power on to speaker 1, 2



warranty policy at CyberData 22 web configuration log in address 3 wget, free unix utility 20