CyberData

The IP Endpoint Company

SIP Paging 25V/70V Amplifier

Operations Guide

SIP Compliant

Part #*011579, 011592*

Document Part #*931996F*

for Firmware Version 22.0.0

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Operations Guide 931996F
SIP Compliant 011579, 011592

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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 931996F, which corresponds to firmware version 22.0.0, was released on December 5, 2024, and has the following changes:

- Updates Section 1, “Product Overview”
- Updates Section 2, “Configure the Device”

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.

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

GENERAL ALERT	Warning *Electrical Hazard:* To prevent injury, this apparatus must be securely attached to the rack, wall or desktop in accordance with the installation instructions.

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 Product Overview

1.1 General Wire Recommendation for 25V or 70V Speakers

For the majority of installations we recommend the following specifications for the speaker wiring.

16/2 (16AWG/2 Conductor) Gray Stranded In-Wall CL3R Speaker Wire (Figure 1-1)

- Use with speaker systems in an indoor audio system
- Class 3, riser rated for in-wall installation in riser and non-riser spaces
- PVC insulating jacket
- 2 fully annealed class B stranded bare copper conductors
- 16-Gauge
- UL Type CL3R
- Plenum rated

There are many brands that will work, but we have personally tested the Southwire company. The description below are the details on this wire in a 500 foot length.

P50002 SY 16/2 STR CU OAS CMP/CL3P CMP/CL3P/FPLP FT6 PLENUM SHIELDED STRANDED 185 25.07

Note Different gauge wiring can be used from our standard 16/2 recommendation if specific distances or power levels are trying to be maintained. Feel free to consult with our Design Services Group for additional assistance.

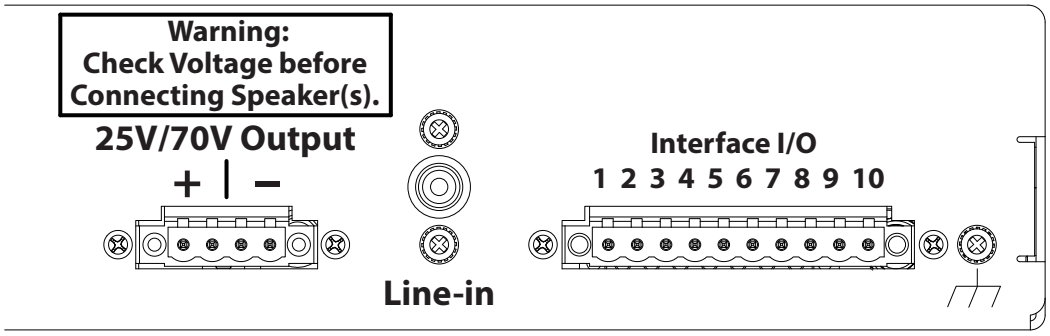
Figure 1-1. 16/2 (16AWG/2 Conductor) Gray Stranded In-Wall CL3R Speaker Wire

1.2 Connecting the SIP Paging 25V/70V Amplifier

Before you connect the SIP Paging 25V/70V Amplifier, be sure that you have received all of the parts of the device.

See Figure 1-2 for the connection options that are available for the SIP Paging 25V/70V Amplifier.

Figure 1-2. Connection Options



25V/70V Output

There are two connections to hook analog speakers up to the amp. The connections accept up to a 12 AWG wire.

Line in

Line level input is for background music applications. The expected input level is 2Vpp (2 volts peak to peak voltage).

Interface I/O

1	Fault Sense Input (Common)
2	Fault Sense Input (Sense)
3-4	Reserved
5	Ground Reference
6	Relay Contact - Common
7	Relay Contact - Normally Open
8	Line Level Output (+)
9	Line Level Output (-)
10	Reserved

1.2.1 Ground Connection

This connection allows you to connect the device to an electrical ground.

1.2.2 Line In

This RCA 10K Ohm Hi-Z input connection allows you to connect an external music player to the internal amplifier.

ESD Sensitivity: This equipment may be sensitive to ESD (electro-static discharge). It may cause the system to become unresponsive in some higher than normal ESD environments. As a precaution, during installation, it is best to make all external connections to the unit before powering on.

1.2.3 Page Port Output Connections

Table 1-1. Page Port Output Connections

Pin	Description
Pin 1	Fault Sense Input (Common). See Section 1.2.3.1, "Pin 1 and 2—Fault Sense Input (Common/Sense)."
Pin 2	Fault Sense Input (Sense). See Section 1.2.3.1, "Pin 1 and 2—Fault Sense Input (Common/Sense)."
Pin 3	Reserved
Pin 4	Reserved
Pin 5	Ground Reference
Pin 6	Relay Contact - Common[a]. See Section 1.2.3.2, "Pin 6 and 7—Relay Contact (Common/Normally Open)".
Pin 7	Relay Contact - Normally Open[a]. See Section 1.2.3.2, "Pin 6 and 7—Relay Contact (Common/Normally Open)".
Pin 8	Line Level Output (+). See Section 1.2.3.3, "Pin 8 and 9 - Line Out."
Pin 9	Line Level Output (-). See Section 1.2.3.3, "Pin 8 and 9 - Line Out."
Pin 10	Reserved

a. 1 Amp at 30 VDC for continuous loads

1.2.3.1 Pin 1 and 2—Fault Sense Input (Common/Sense)

This input was designed as a method of monitoring an external amplifier that is equipped with a fault sense relay.

When enabled via the web interface (Section 2.9, "Fault"), this input (when closed) will play a user uploadable audio file out of the line-out connection and/or place a SIP call to a pre-determined extension and play that file.

1.2.3.2 Pin 6 and 7—Relay Contact (Common/Normally Open)

When enabled on the web interface (Section 2.3, "Device"), every time an audio file is played out of the local line-out or 600 Ohm output, the relay will close, thereby enabling amplifiers with a remote turn-on capability to become active.

1.2.3.3 Pin 8 and 9 - Line Out

These RCA 10K Ohm Hi-Z output connections allow you to connect the device to The RCA line-in (10K Ohm Hi-Z) of an external audio amplifier.

1.2.4 Connect to the Power Source

To supply power, connect the SIP Paging 25V/70V Amplifier to a standard 100-240VAC 50/60Hz power supply. If required, connect the earth grounding wire to the chassis ground on the back of the unit. See Figure 1-3.

Figure 1-3. Connecting to the Power Source

Power Supply

Chassis Ground

To set up the device, connect the device to your network:

Power Supply

- Connect the Amplifier to a standard 100-240VAC, 50/60Hz external power supply

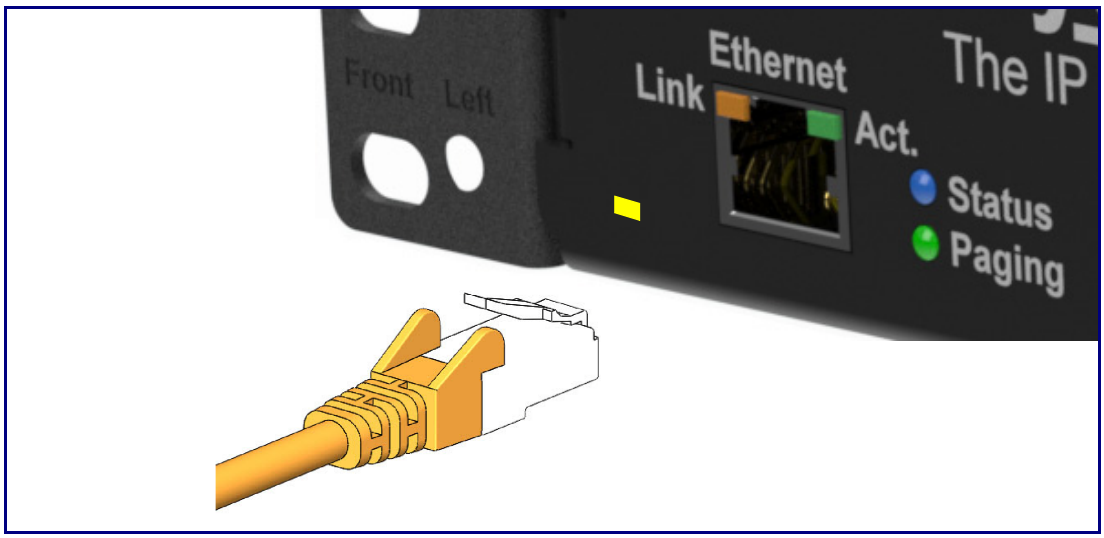
Chassis Ground

- Connect the earth grounding wire to the Chassis Ground. See the figure on the left.

1.2.5 Connect to the Network

Plug one end of a standard Ethernet cable into the device **Ethernet** port. Plug the other end into your network.

Figure 1-4. Connecting to the Network



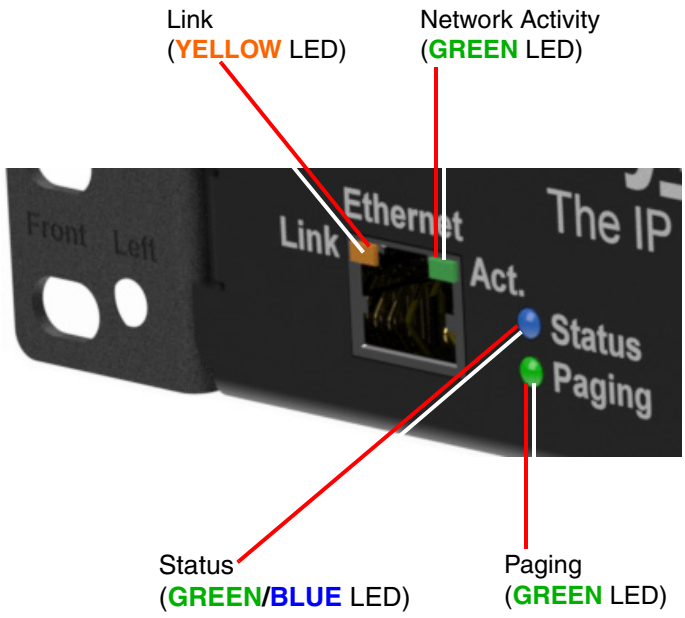
1.2.6 Confirm that the SIP Paging 25V/70V Amplifier is Up and Running

The LEDs on the front of the SIP Paging 25V/70V Amplifier verify the unit's operations.

Figure 1-5. LEDs

When you apply power, turn ON the Power switch and connect the Ethernet to a live network:

- The square, **YELLOW Link** LED above the **Ethernet** port indicates that the network connection has been established at 100Mbit speed.
- The square, **GREEN Network Activity** LED above the Ethernet port will blink to indicate network activity.
- The round **GREEN/BLUE Status** LED is **BLUE**, indicating power is **ON**. Once the device is initialized, the LED will blink **GREEN** at one second intervals.
- The round **GREEN Paging** LED comes on after the device is booted and initialized. This LED blinks when a page is in progress. You can disable **Beep on Initialization** on the **Device Configuration** page.



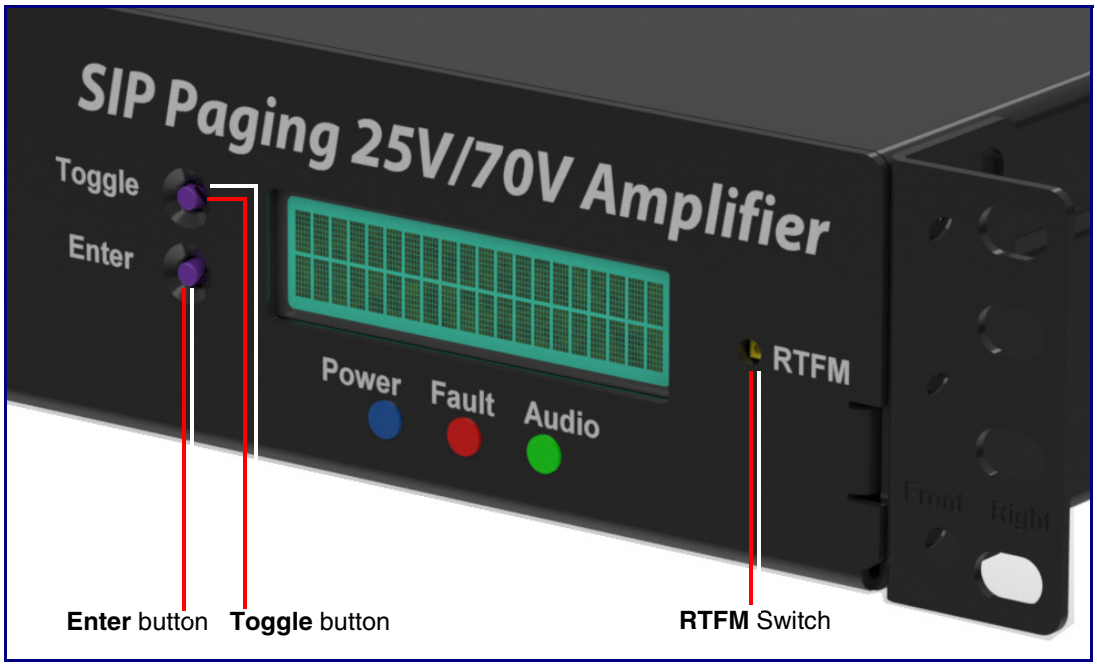
1.2.6.1 Verify Network Activity

The square, **GREEN Network Activity** LED blinks when there is network traffic.

1.3 LCD Display Explanation

- The LCD Display can be interacted with via the **Toggle** and **Enter** buttons on the front panel of the device. See Figure 1-6.

Figure 1-6. LCD Display



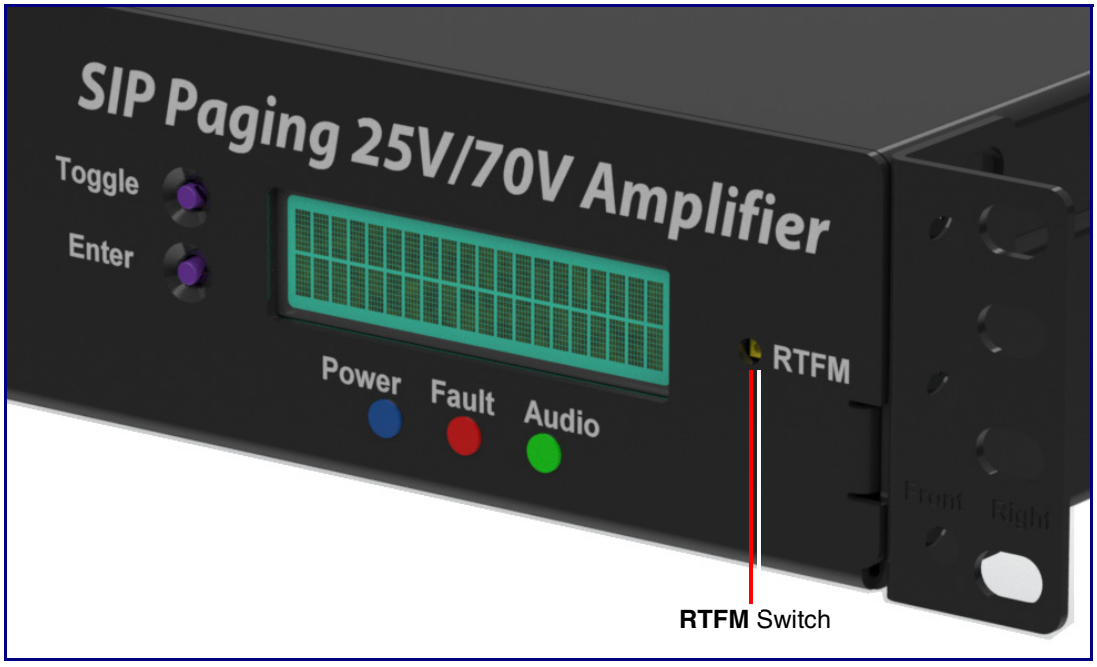
- The **Toggle** button is used to switch between menu pages and on specific pages to toggle between options.
- The **Enter** button is used on specific pages to confirm a setting.
- LCD Display menu pages:
  - Screen 1: CyberData Splash Screen
  - Screen 2: Serial Number and Mode (25v or 70v)
  - Screen 3: Temperature (Celsius /Fahrenheit) and fan status (on or off)
  - Screen 4: IP Address and MAC Address
  - Screen 5: Firmware Version and Part Number
  - Screen 6: Master Volume Level
  - Screen 7: Test Audio (Shows in Green)

1.4 Announcing the IP Address

To announce the IP address for the SIP Paging 25V/70V Amplifier, complete the following steps:

1. Use a paper clip to press the RTFM button, bringing up the RTFM screen. See Figure 1-7.
2. Use the toggle button to select **Speak IP Address** and then **Enter** to activate.
3. If a speaker is connected, the device will announce the IP address.

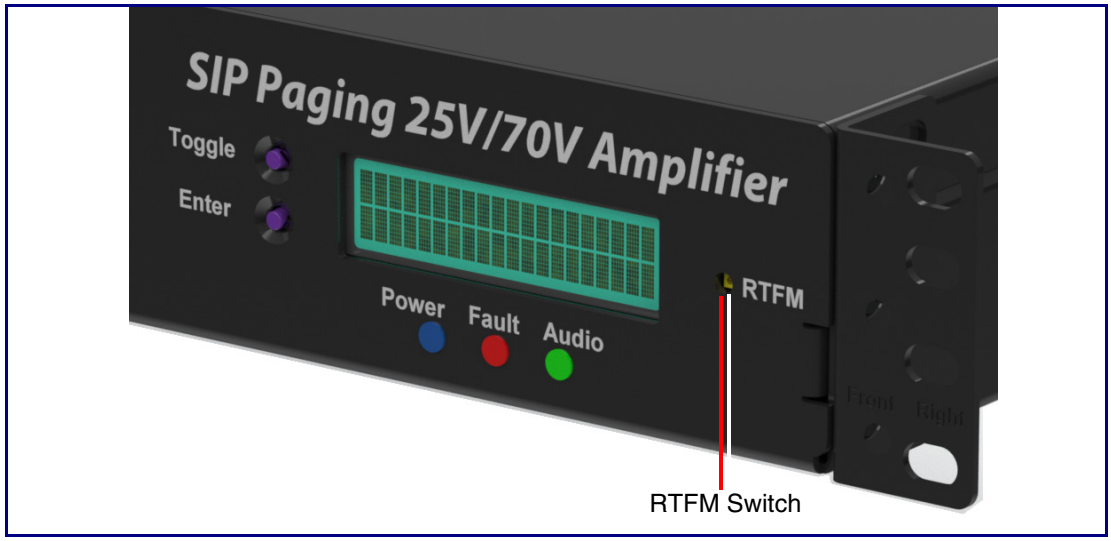
Figure 1-7. RTFM Switch



1.5 Restore the Factory Default Settings

The SIP Paging 25V/70V Amplifier is delivered with factory set default values for the parameters in Table 1-2. Use the **RTFM** switch (see Figure 1-8) on the front of the unit to restore these parameters to the factory default settings.

Figure 1-8. RTFM Switch



Note When you perform this procedure, the factory default settings are restored. The default parameters for access are shown in Table 1-2.

Table 1-2. 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.

To restore these parameters to the factory default settings:

4. Use a paper clip to press the RTFM button, bringing up the RTFM screen.
5. Use the toggle button to select **Restore Defaults**, and then **Enter** to activate.
6. Selecting **Restore Defaults** will bring up the confirmations screen, where selecting **Enter** will restore defaults.
7. If a speaker is connected, the device will announce, "restoring default configuration" and "rebooting."

2 Configure the Device

2.1 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 SIP Paging 25V/70V Amplifier.

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

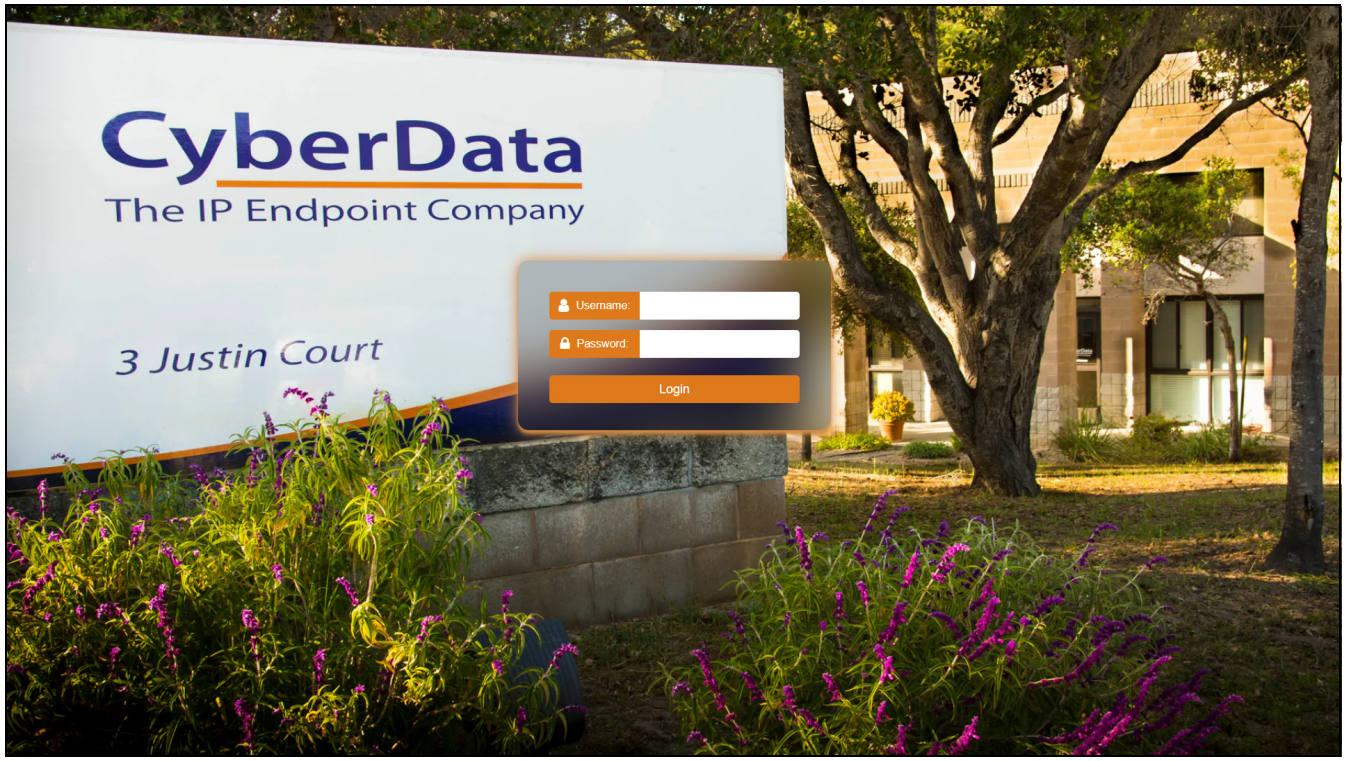
Note The Intercom ships in DHCP mode. To get to the **Home** page, use the discovery utility to scan for the device on the network and open your browser from there.

2. On the Log In Page (Figure 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**

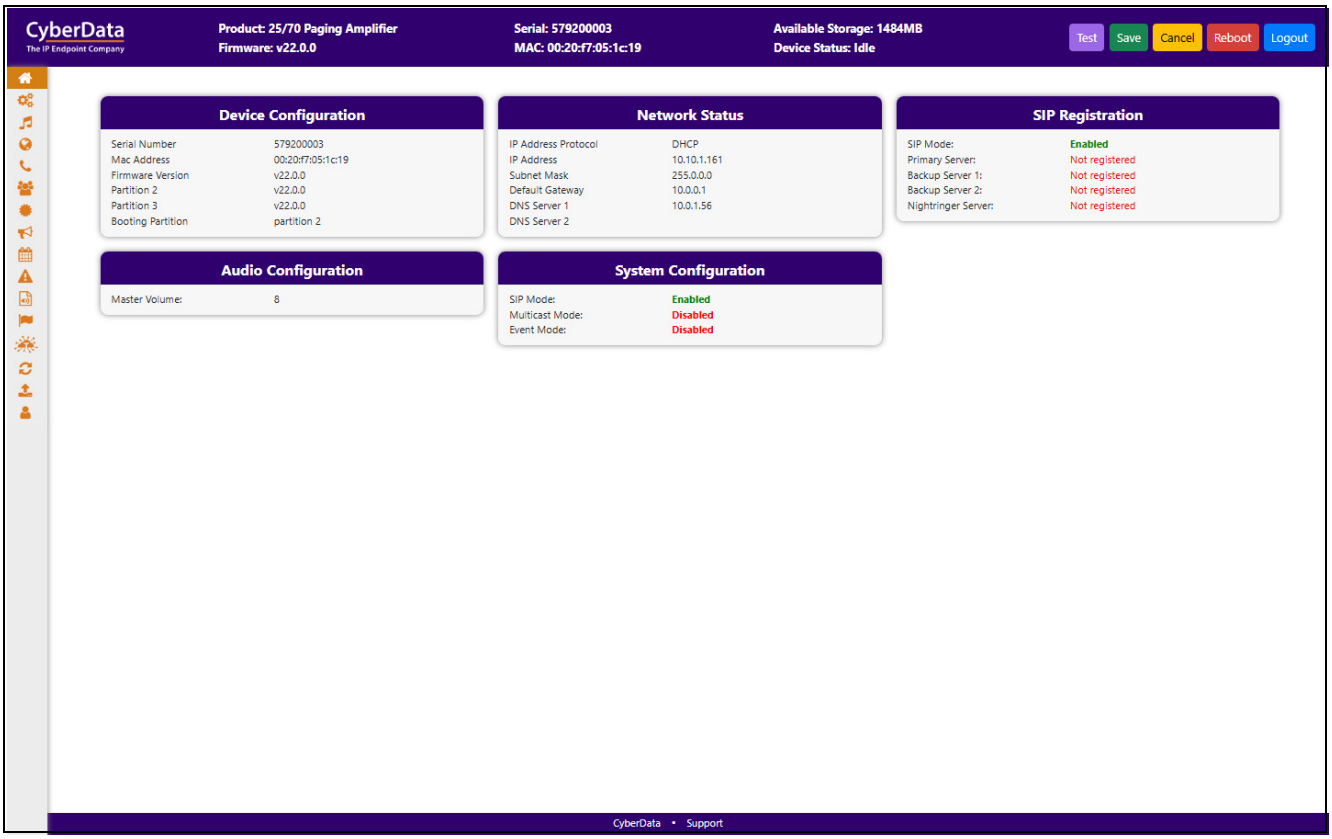
Figure 2-1. Log In Page



2.2 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.

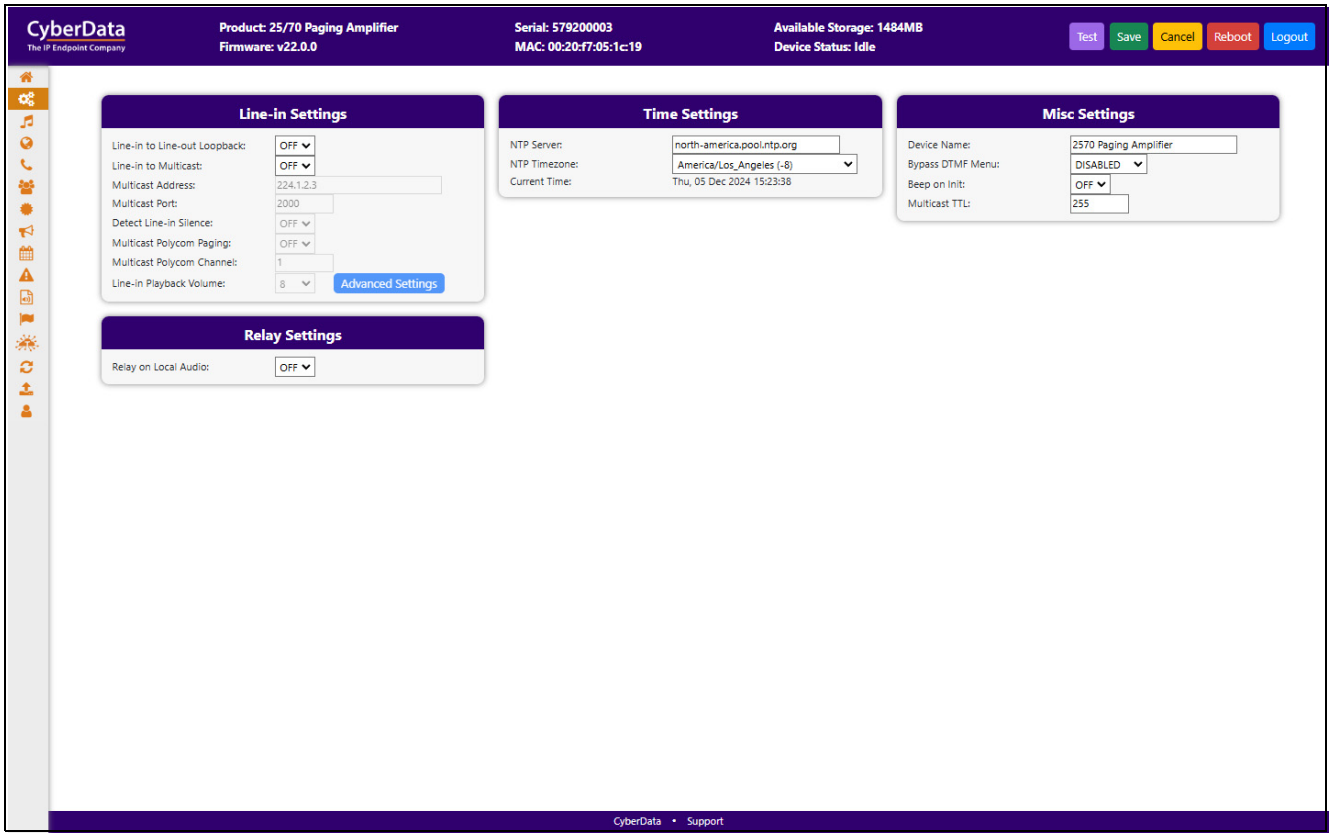
Figure 2-2. Home Page



2.3 Device

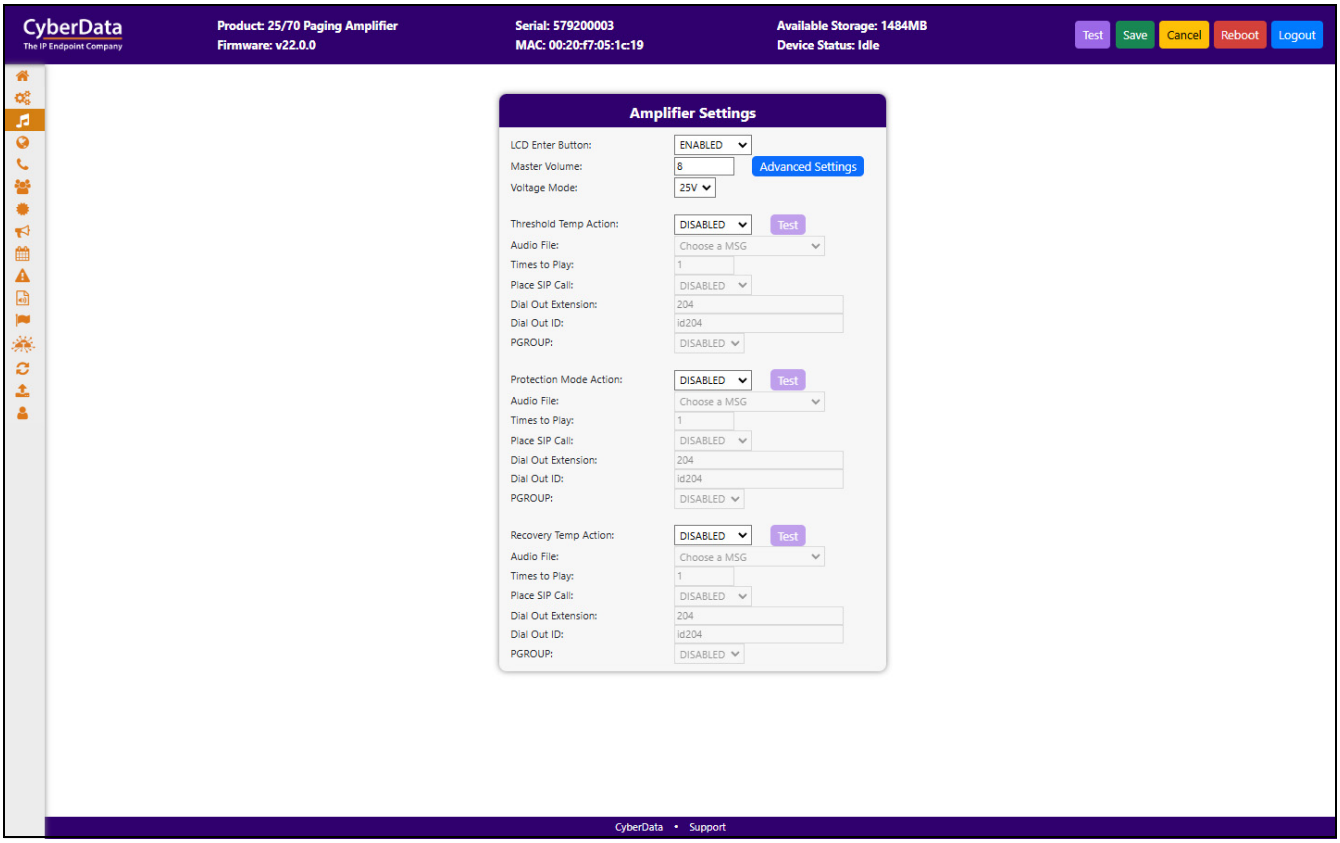
The **Device** page allows for adjustment of settings that pertain to the physical device such as relay settings and time zone.

Figure 2-3. Device Page



2.4 Amplifier

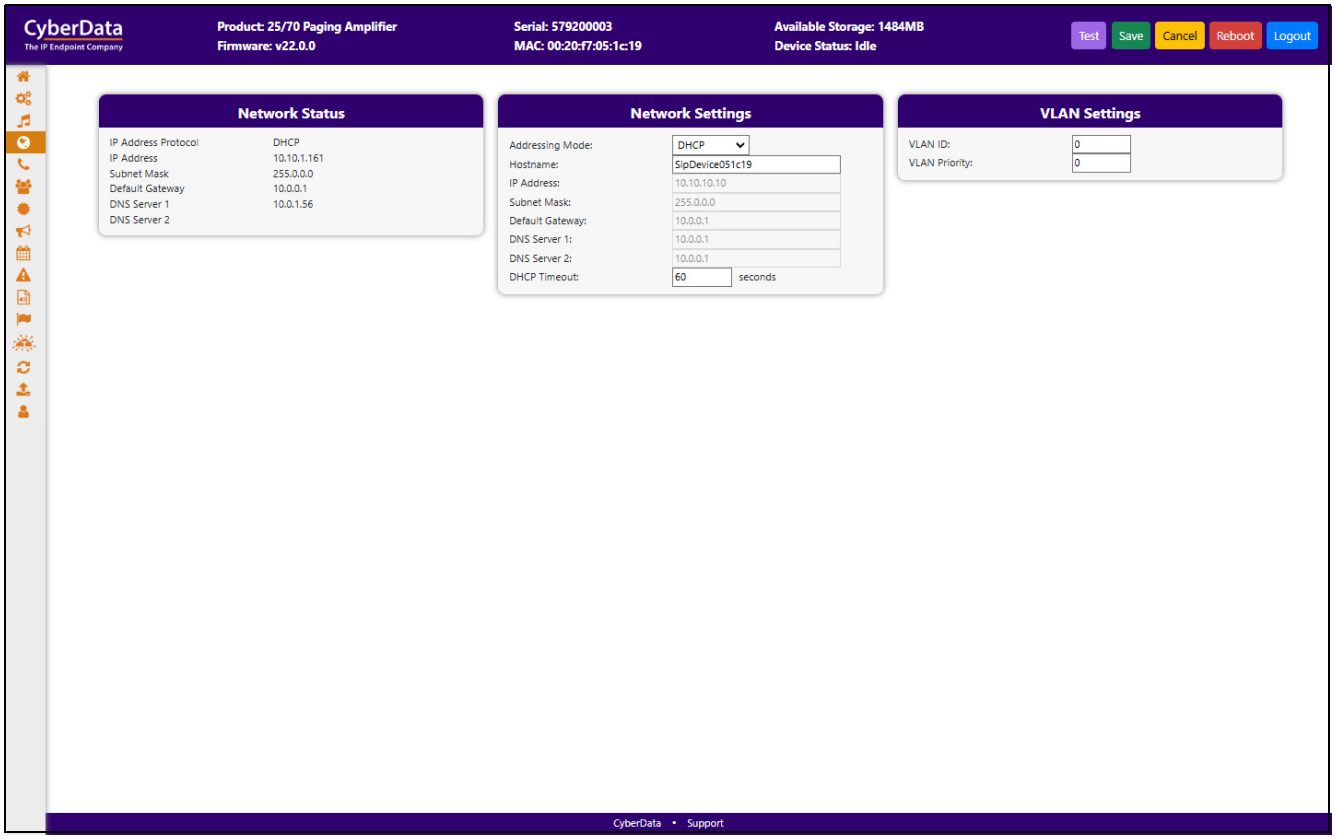
Figure 2-4. Amplifier Page



2.5 Network

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

Figure 2-5. Network Page



2.6 SIP (Session Initiation Protocol)

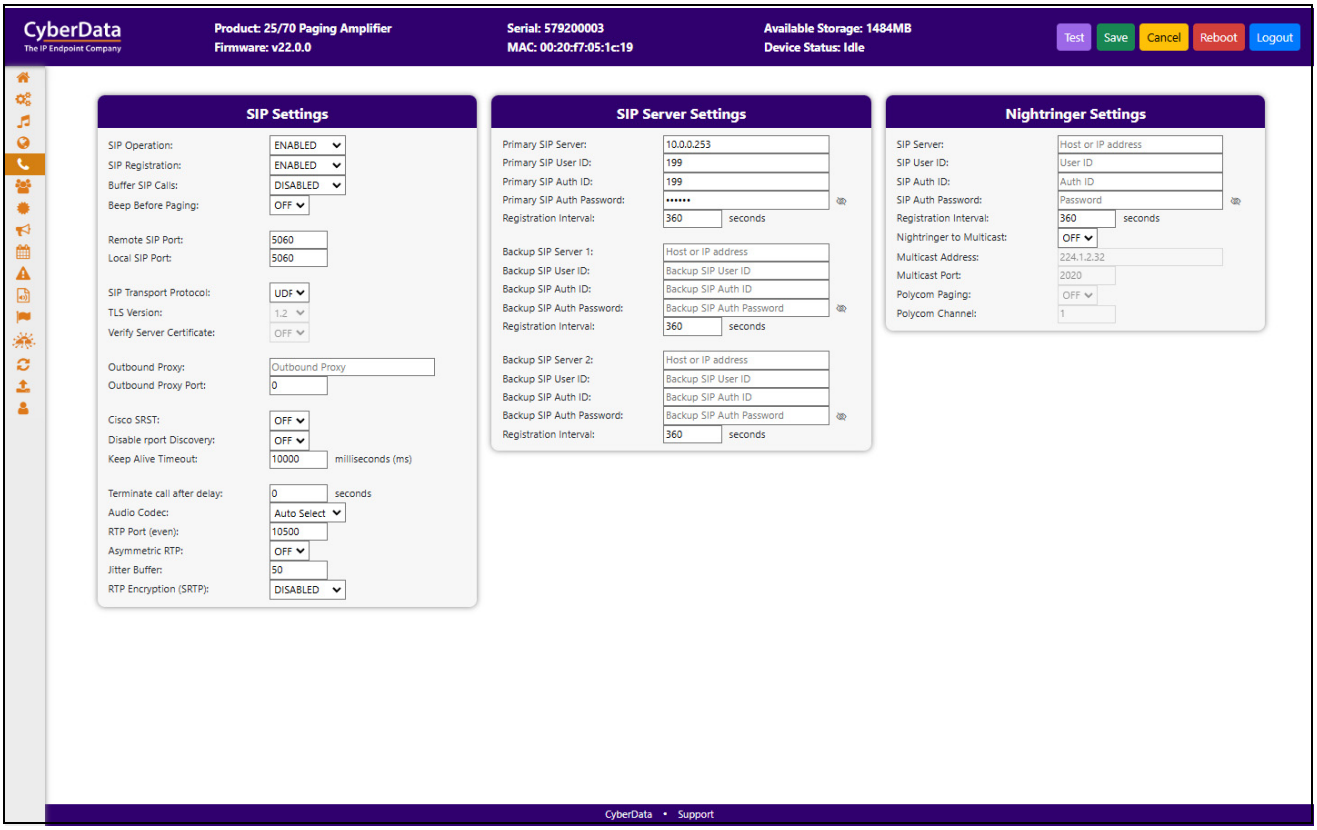
This page sets the options for phone calls. Configure up to 3 servers, with 2 acting as backup, and a server for the nightringer. The nightringer is a second sip extension that only rings, never connects to a call. Many customers use the nightringer in a hunt group.

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

Figure 2-6. SIP Page



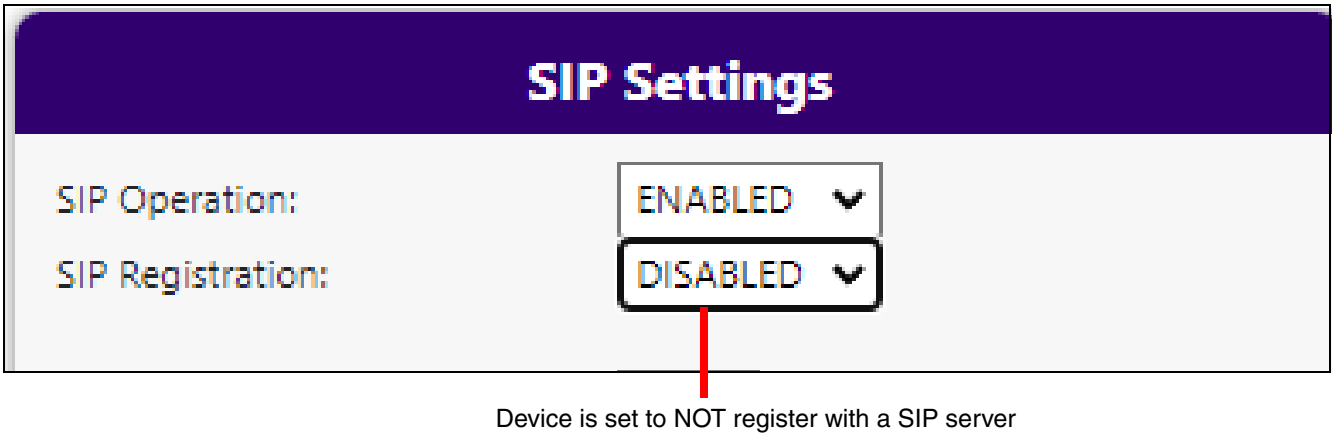
2.6.1 Dial Out Extension Strings and DTMF Tones (using rfc2833)

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

2.6.2 Point-to-Point Configuration

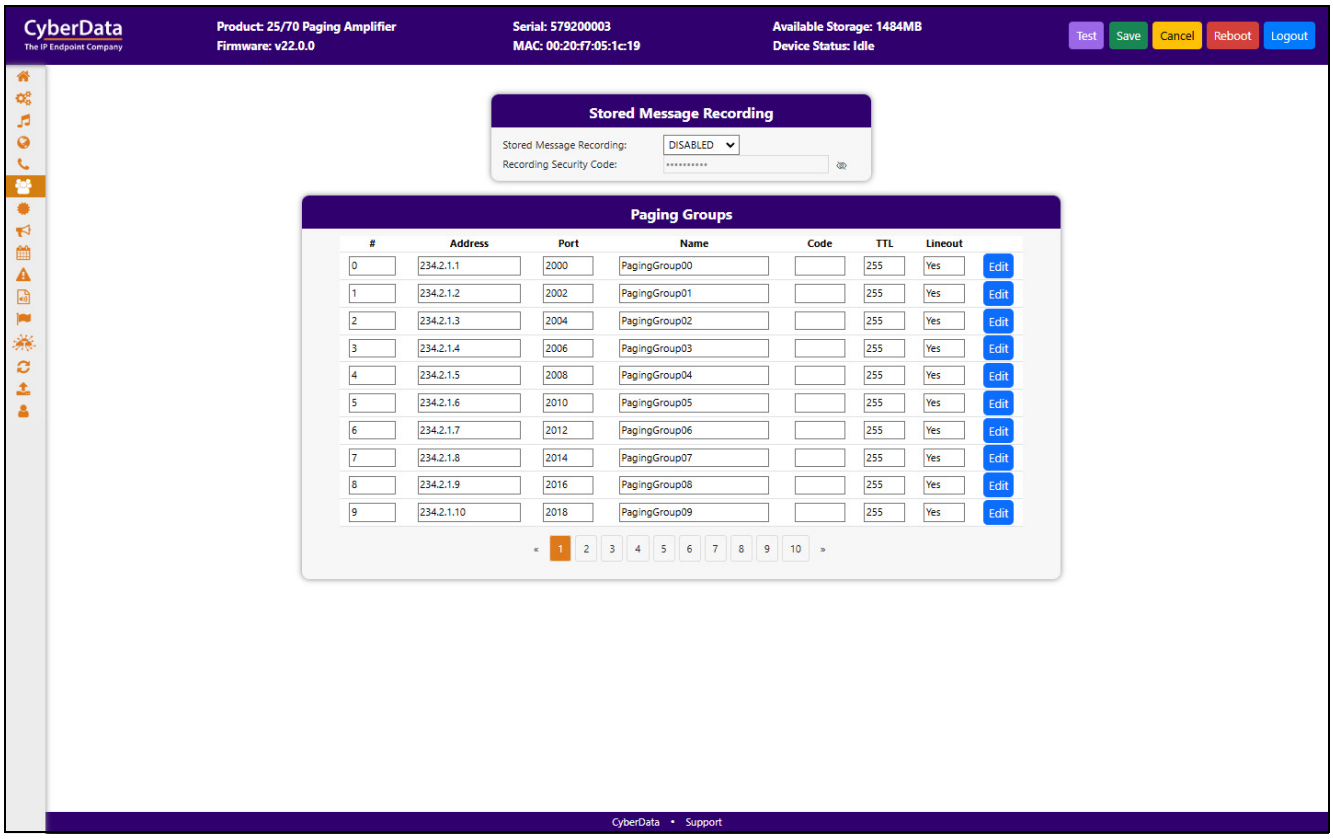
Dialing point-to-point allows the device to call and a single endpoint. All CyberData endpoints and many phones can use this option. To do this, enable **SIP Operation**, do not enable **SIP Registration**, and use the endpoint's IP address as the Dial Out extension. Delayed DTMF is supported. See Figure 2-7.

Figure 2-7. SIP Page Set to Point-to-Point Mode



2.6.3 Paging Groups (PGROUPS)

Figure 2-8. PGROUPS Page



2.7 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.

Figure 2-9. SSL Page

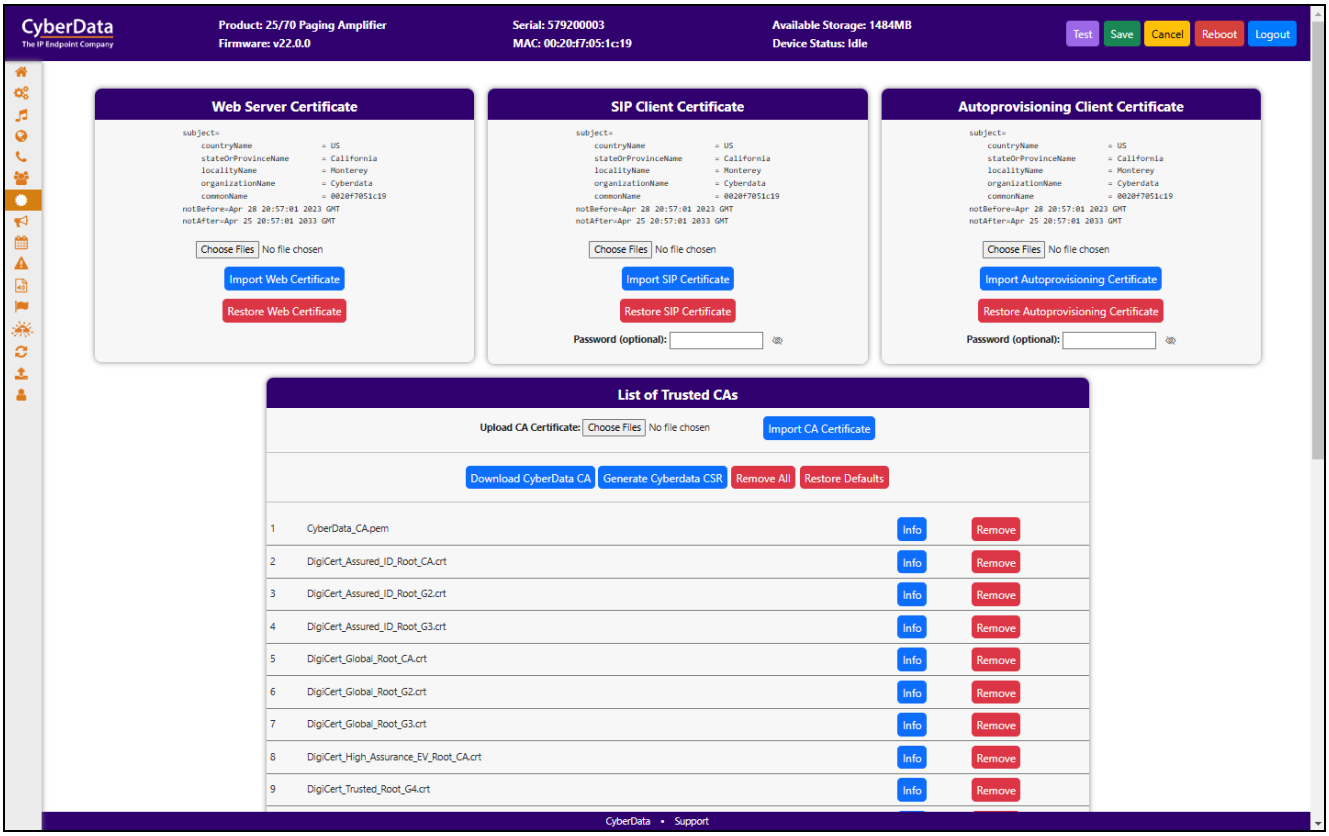
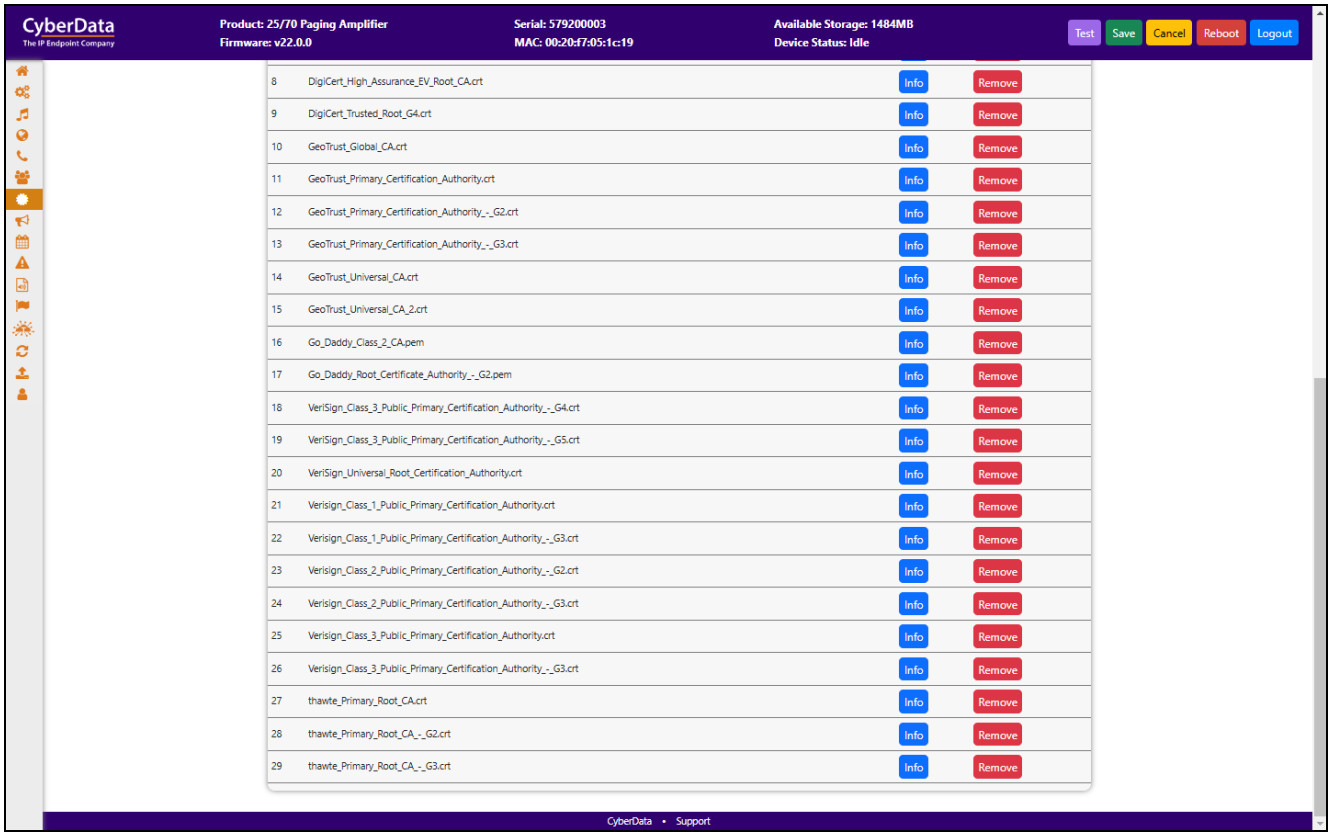


Figure 2-10. SSL Page



2.8 Schedules

Figure 2-11. Schedules Page

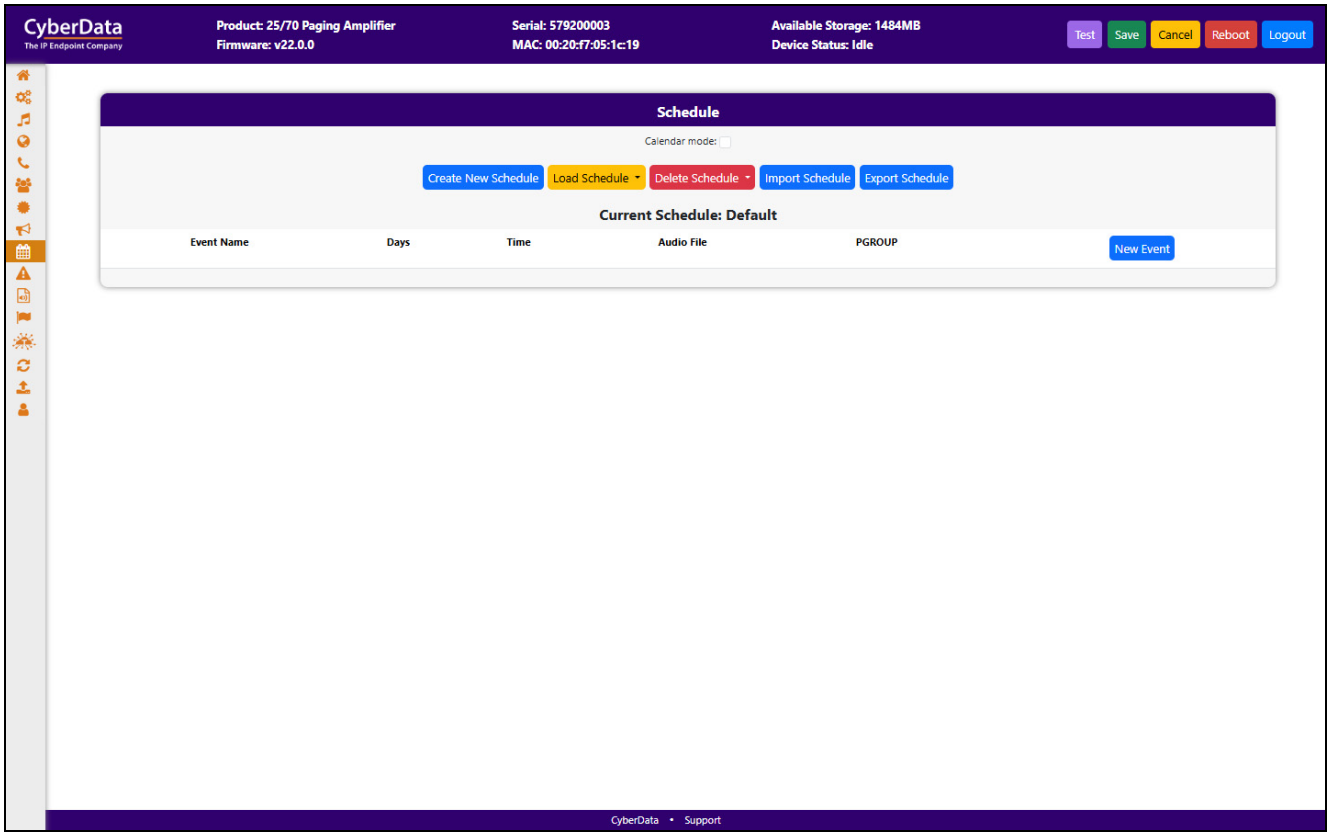
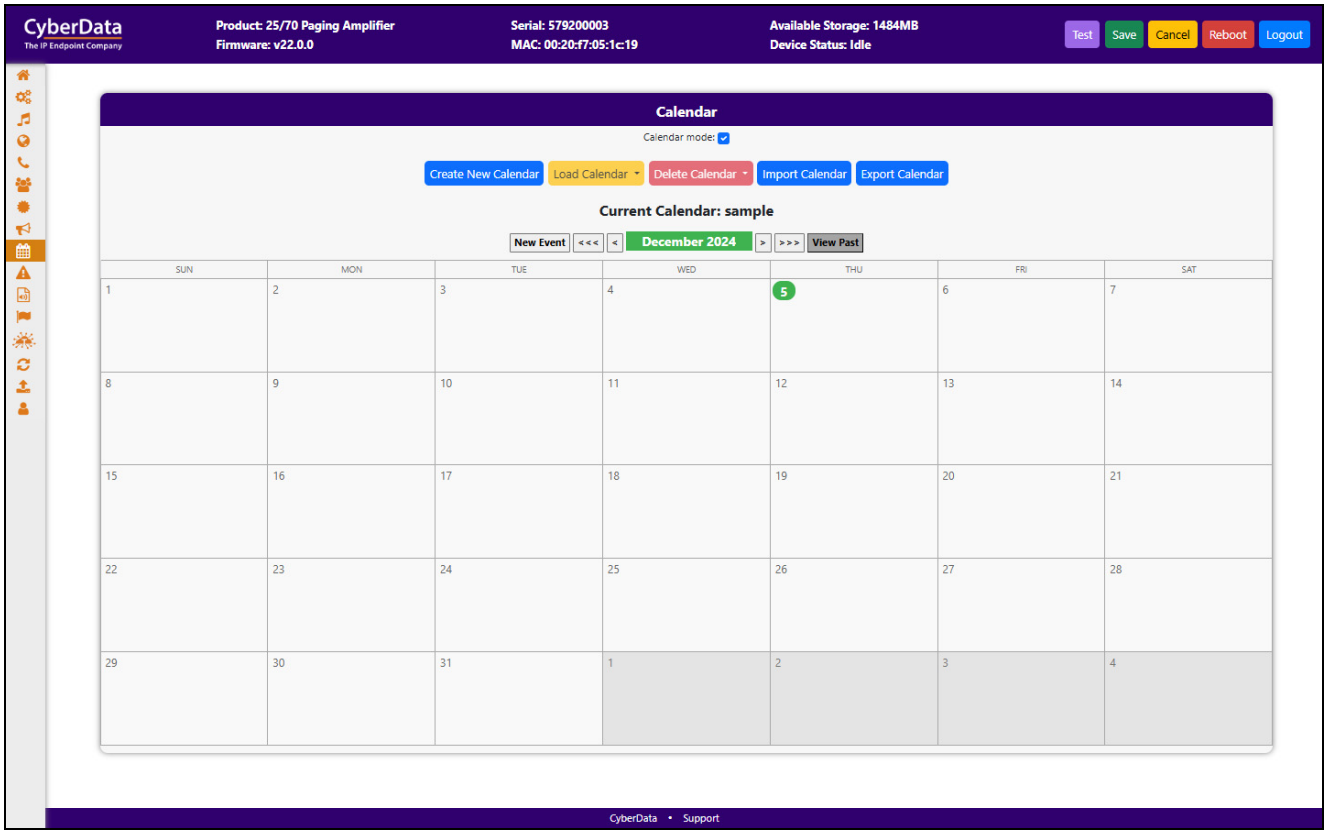


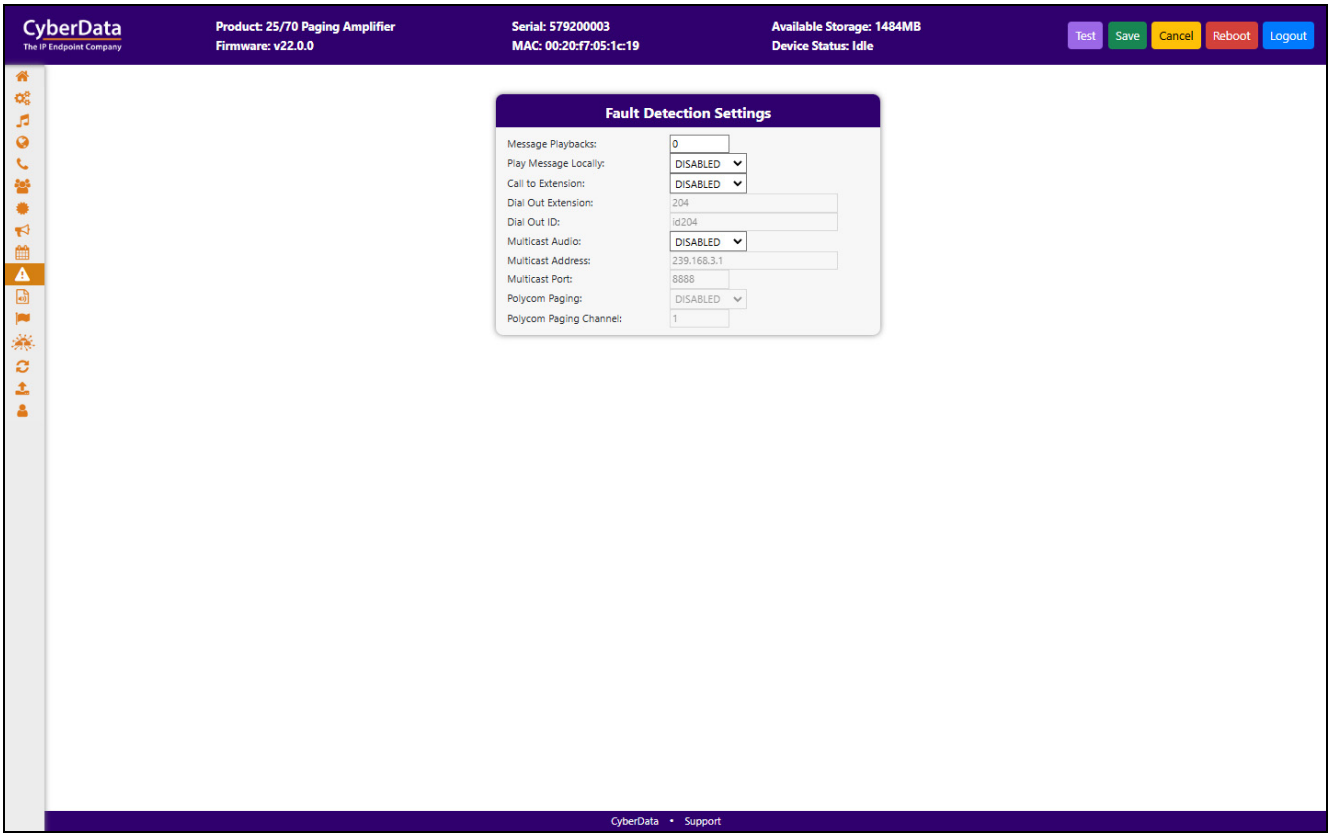
Figure 2-12. Calendar



2.9 Fault

The **Fault** page controls configuration of all Fault or sensor related capabilities of the unit. This can include the fault sensor that is used to have the device take action based on a physical input to the device.

Figure 2-13. Fault Page



2.10 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.

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

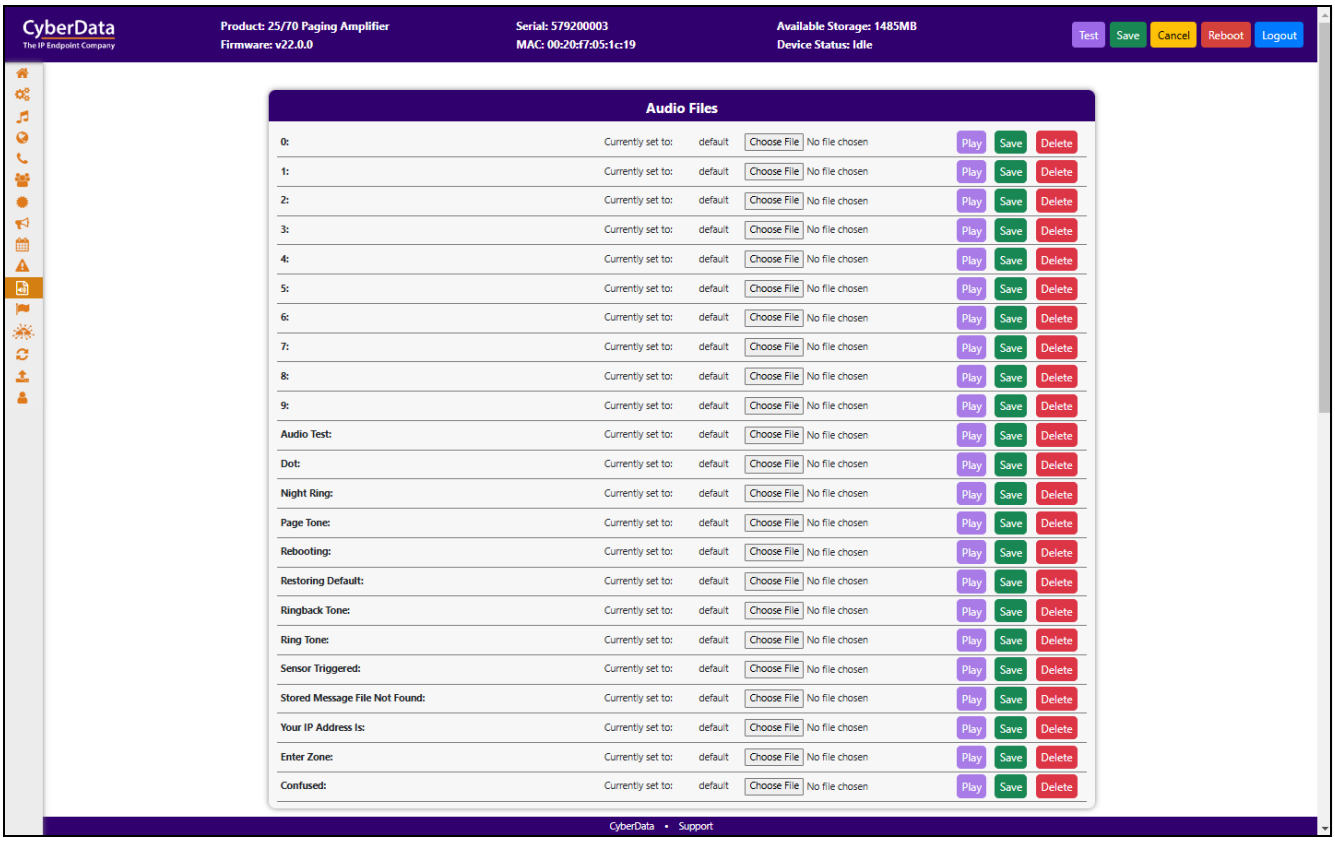


Figure 2-15. Audiofiles Page (2 of 3)

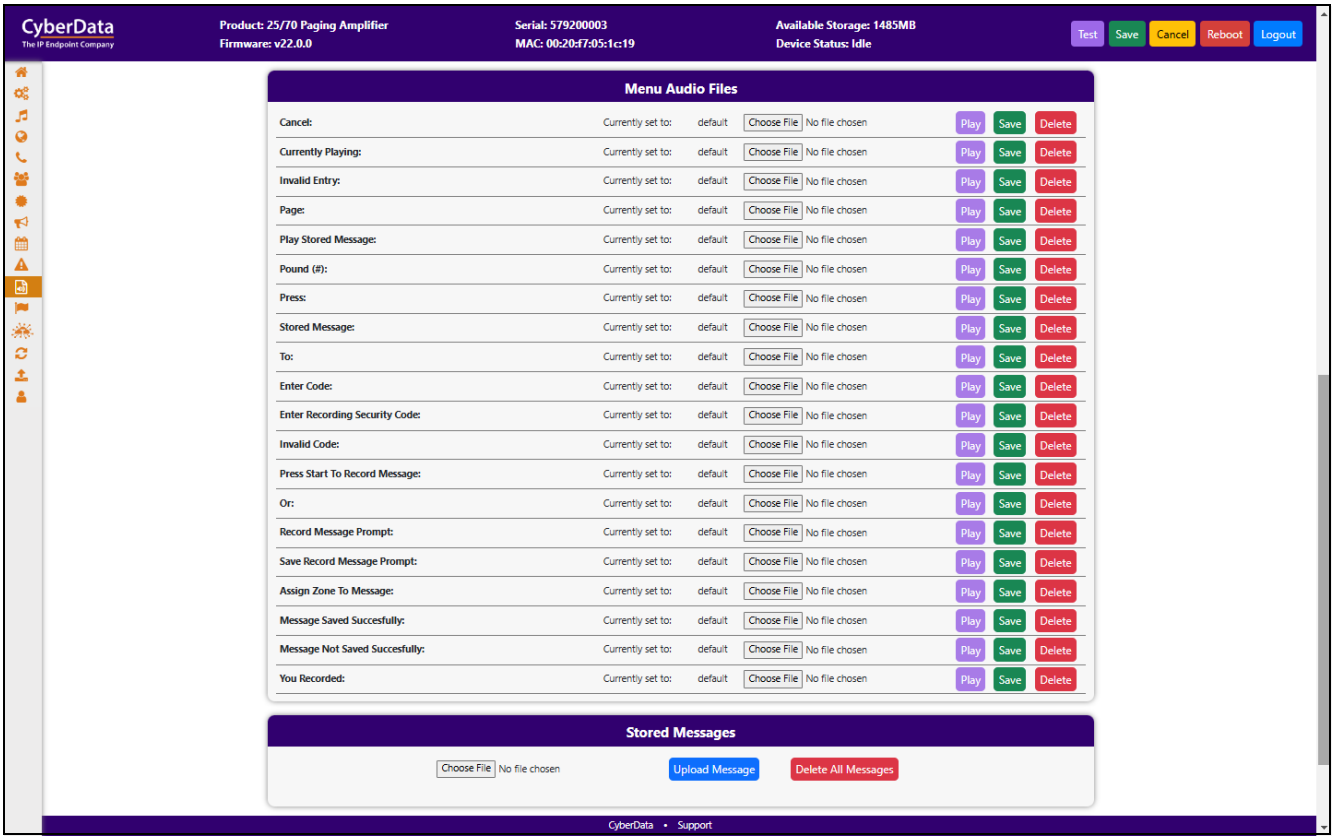
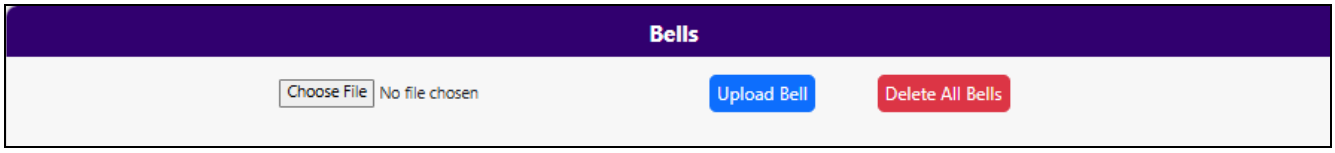


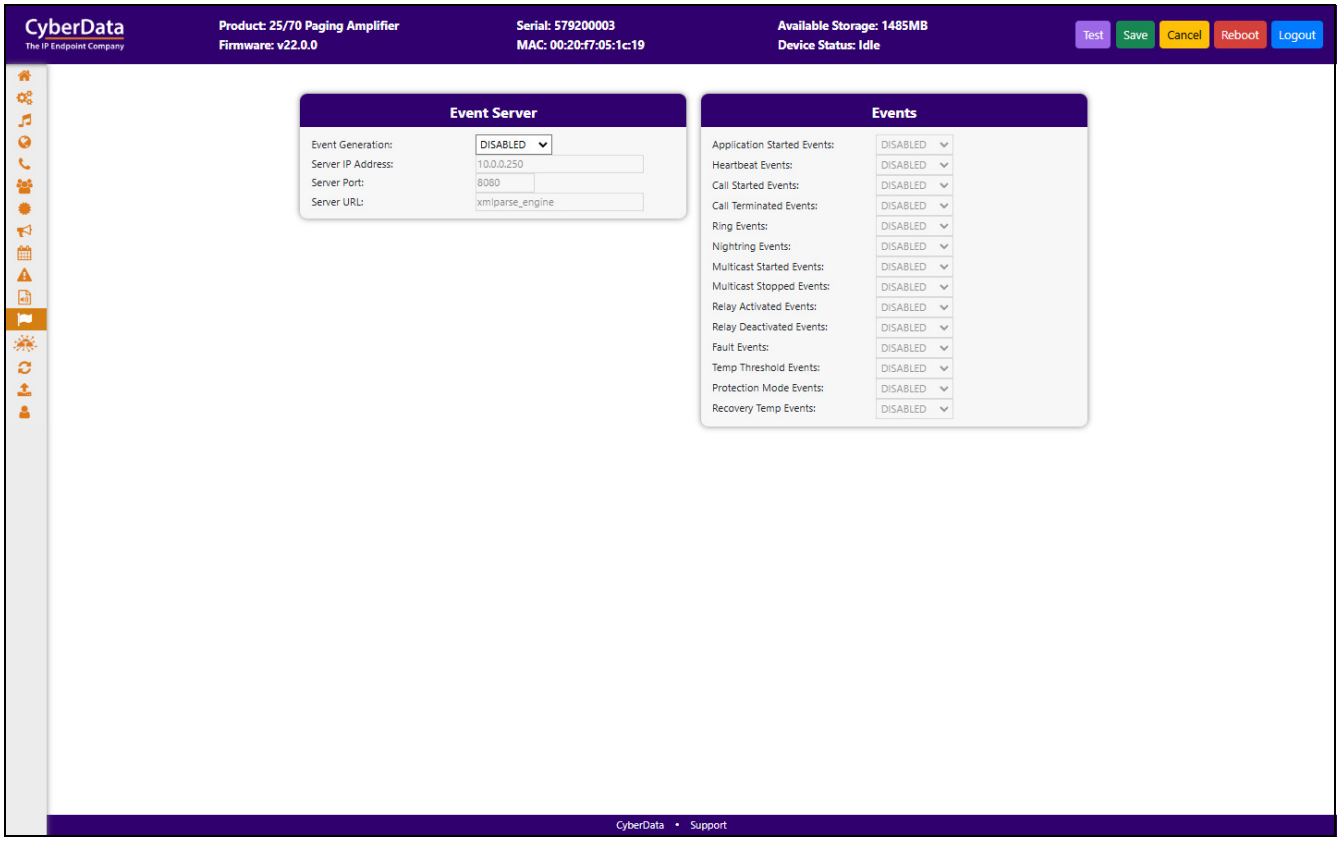
Figure 2-16. Audiofiles Page (3 of 3)



2.11 Events

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

Figure 2-17. Events Page



2.11.1 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</event>
<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>
```

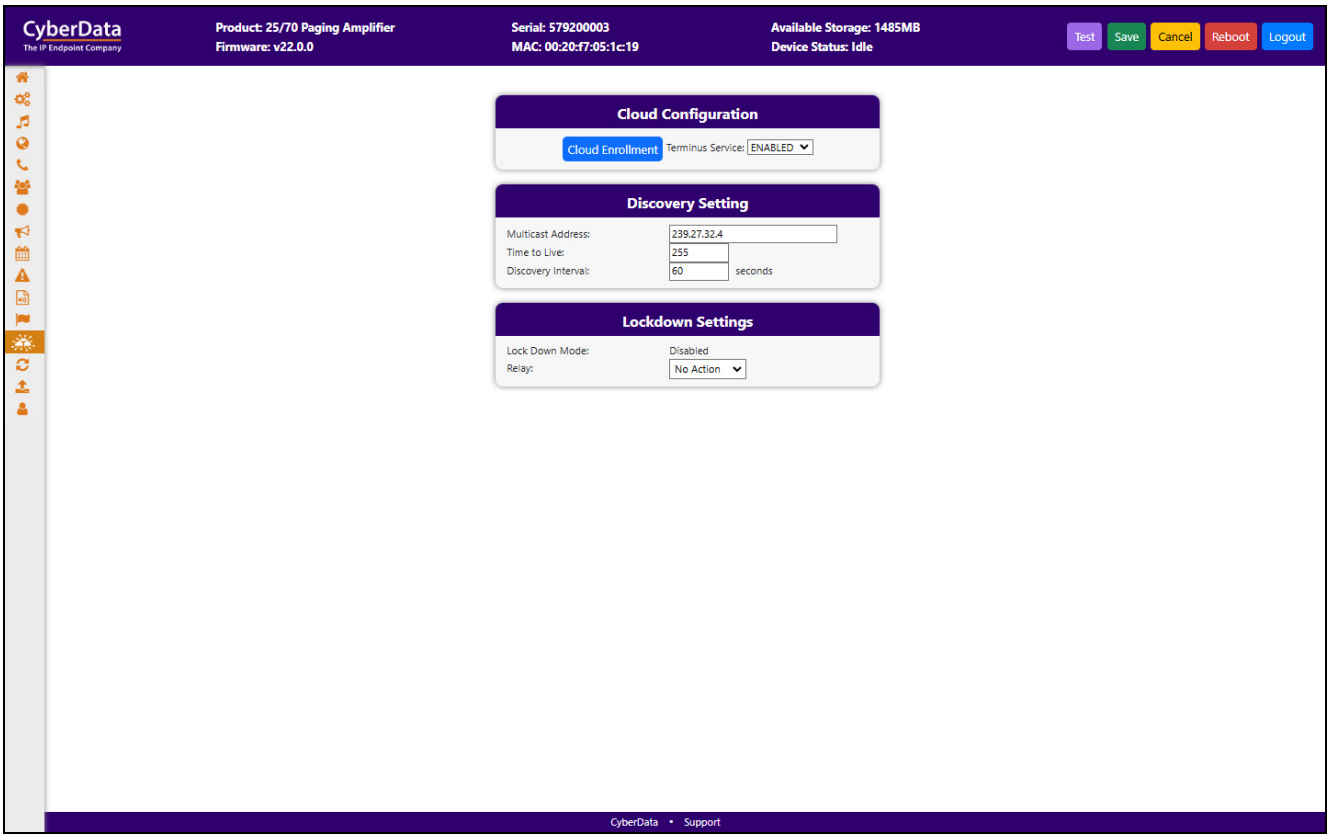
```
POST xmlparse_engine HTTP/1.1
Host: 10.0.3.79
User-Agent: CyberData/1.0.0
Content-Length: 234
Content-Type: application/x-www-form-urlencoded
<?xml version="1.0" encoding="ISO-8859-1"?>
<cyberdata NAME='CyberData VoIP Device' MAC='0020f70015b6'>
<event>RELAY_DEACTIVATED</event>
</cyberdata>

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>
```

2.12 Terminus

The **Terminus** page allows for configuration of settings related to Terminus.

Figure 2-18. Terminus Page



2.13 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..

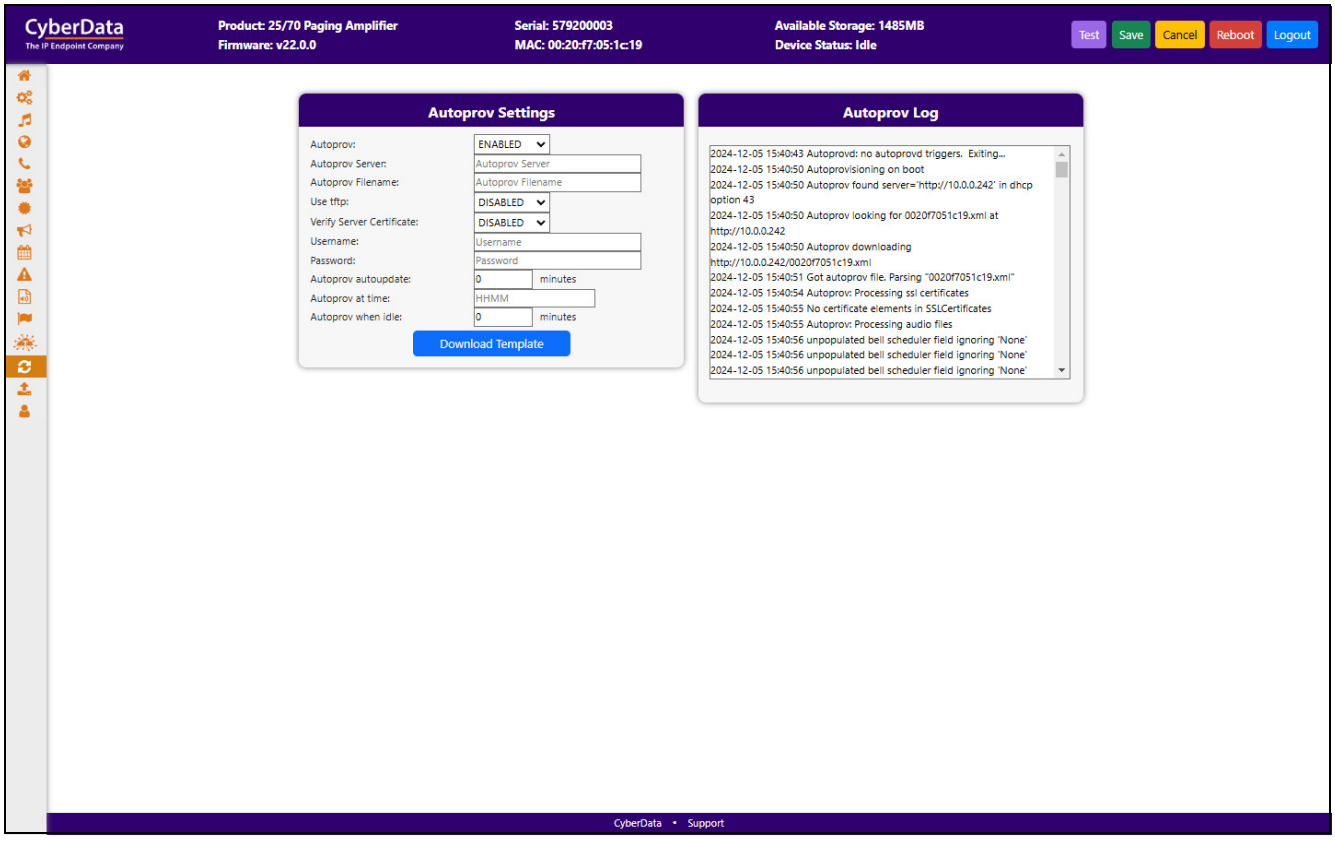
If a file is named, it will be downloaded instead of <mac address>,xml.

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 2-19. Autoprovisioning Page



2.14 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:

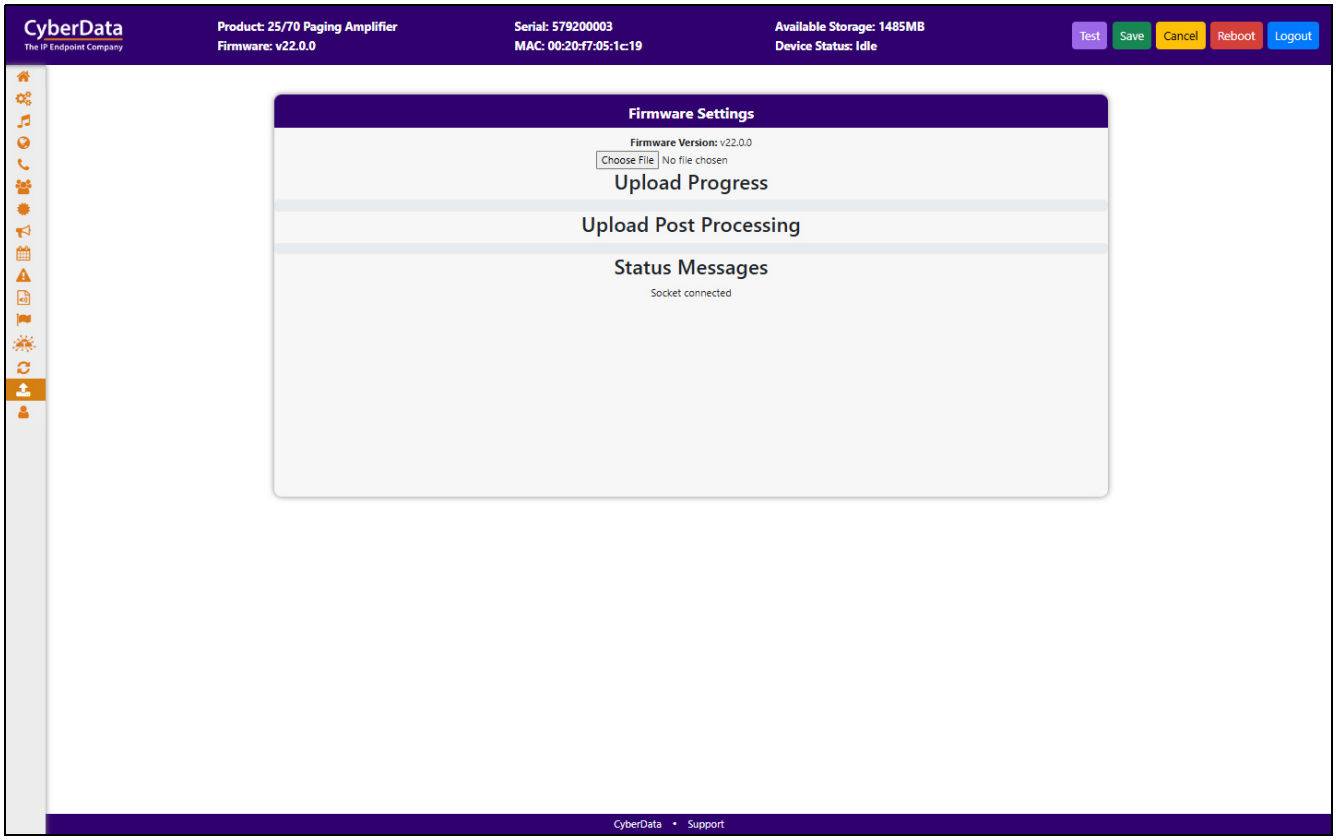
- Firmware file
- Release notes
- Autoprovisioning template

GENERAL ALERT

Caution

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

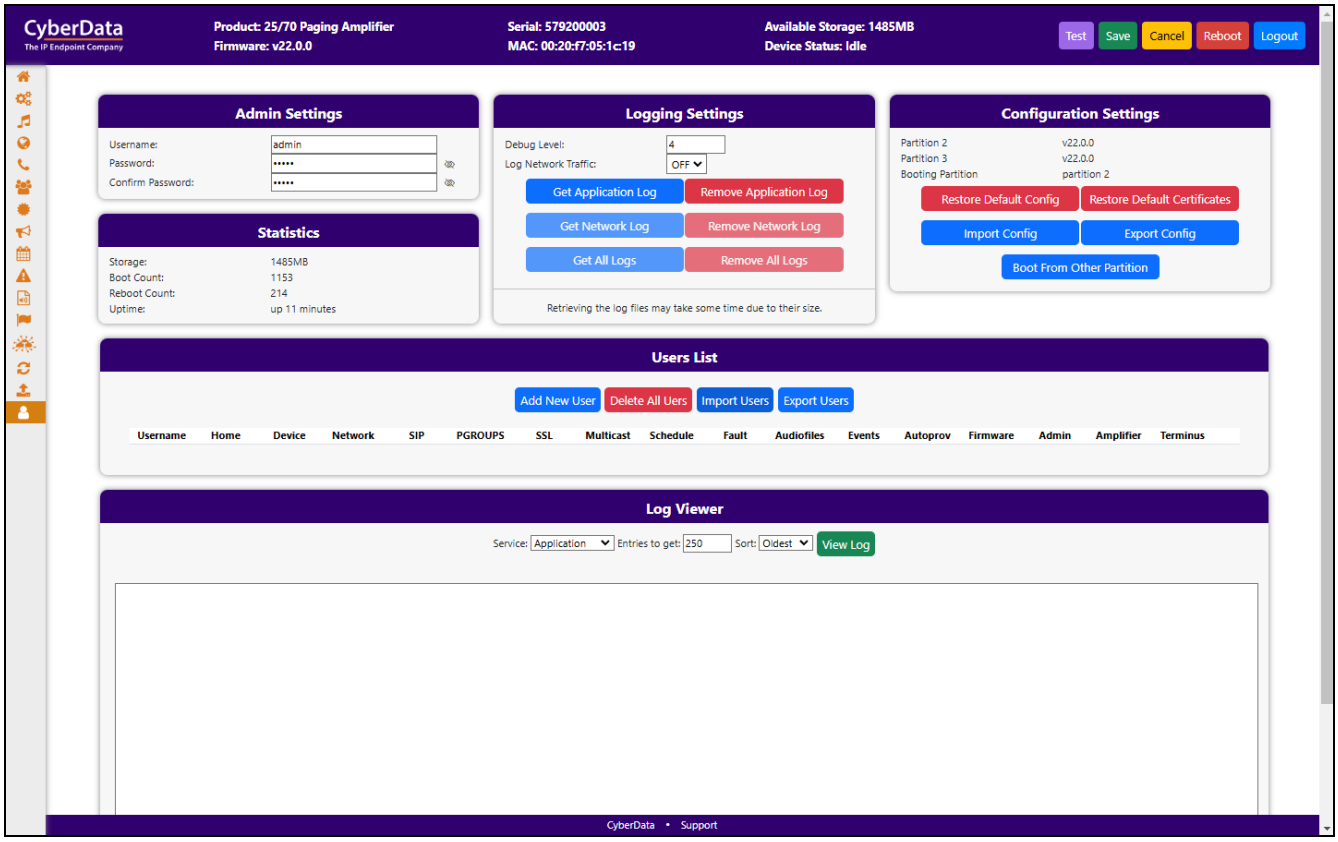
Figure 2-20. Firmware Page



2.15 Admin

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

Figure 2-21. Admin Page



2.16 Command Interface

Some functions on the device can be activated using simple POST commands to the web interface. The examples in Table 2-1 use the free unix utility, **wget commands**. However, any program that can send HTTP POST commands to the device should work.

2.16.1 Command Interface Post Commands

The commands in Table 2-1 require an authenticated session (a valid username and password to work).

Table 2-1. Command Interface Post Commands

Device Action	Post Command[a]
Reboot	wget --user admin --password admin --auth-no-challenge --quiet -O /dev/null --no-check-certificate "https://10.10.1.247/command" --post-data "request=reboot"
Place call to extension (example: extension 600)	wget --user admin --password admin --auth-no-challenge --quiet -O /dev/null --no-check-certificate "https://10.10.1.247/command" --post-data "request=call&extension=600"
Terminate a call	wget --user admin --password admin --auth-no-challenge --quiet -O /dev/null --no-check-certificate "https://10.10.1.247/command" --post-data "request=terminate"
Test Relay	wget --user admin --password admin --auth-no-challenge --quiet -O /dev/null --no-check-certificate "https://10.10.1.247/command" --post-data "request=test_relay"
Activate Relay	wget --user admin --password admin --auth-no-challenge --quiet -O /dev/null --no-check-certificate "https://10.10.1.247/command" --post-data "request=activate_relay"
Deactivate Relay	wget --user admin --password admin --auth-no-challenge --quiet -O /dev/null --no-check-certificate "https://10.10.1.247/command" --post-data "request=deactivate_relay"
Speak IP Address	wget --user admin --password admin --auth-no-challenge --quiet -O /dev/null --no-check-certificate "https://10.10.1.247/command" --post-data "request=speak_ip_address"
Test Audio	wget --user admin --password admin --auth-no-challenge --quiet -O /dev/null --no-check-certificate "https://10.10.1.247/command" --post-data "request=test_audio"
Swap Boot partitions	wget --user admin --password admin --auth-no-challenge --no-check-certificate --quiet -O /dev/null "https://10.10.1.81/command" --post-data "request=swap_boot_partition"

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

Appendix 1: Troubleshooting/Technical Support

1.1 Frequently Asked Questions (FAQ)

To see a list of frequently asked questions for your product, click on the **FAQs** tab at the following webpage:

https://www.cyberdata.net/pages/011579

1.2 Documentation

The documentation for this product is released in an English language version only.

To download PDF copies of CyberData product documentation, click on the **Downloads** tab at the following webpage:

https://www.cyberdata.net/pages/011579

1.3 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

1.4 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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