IP-INTEGRA Audio Client

User Manual

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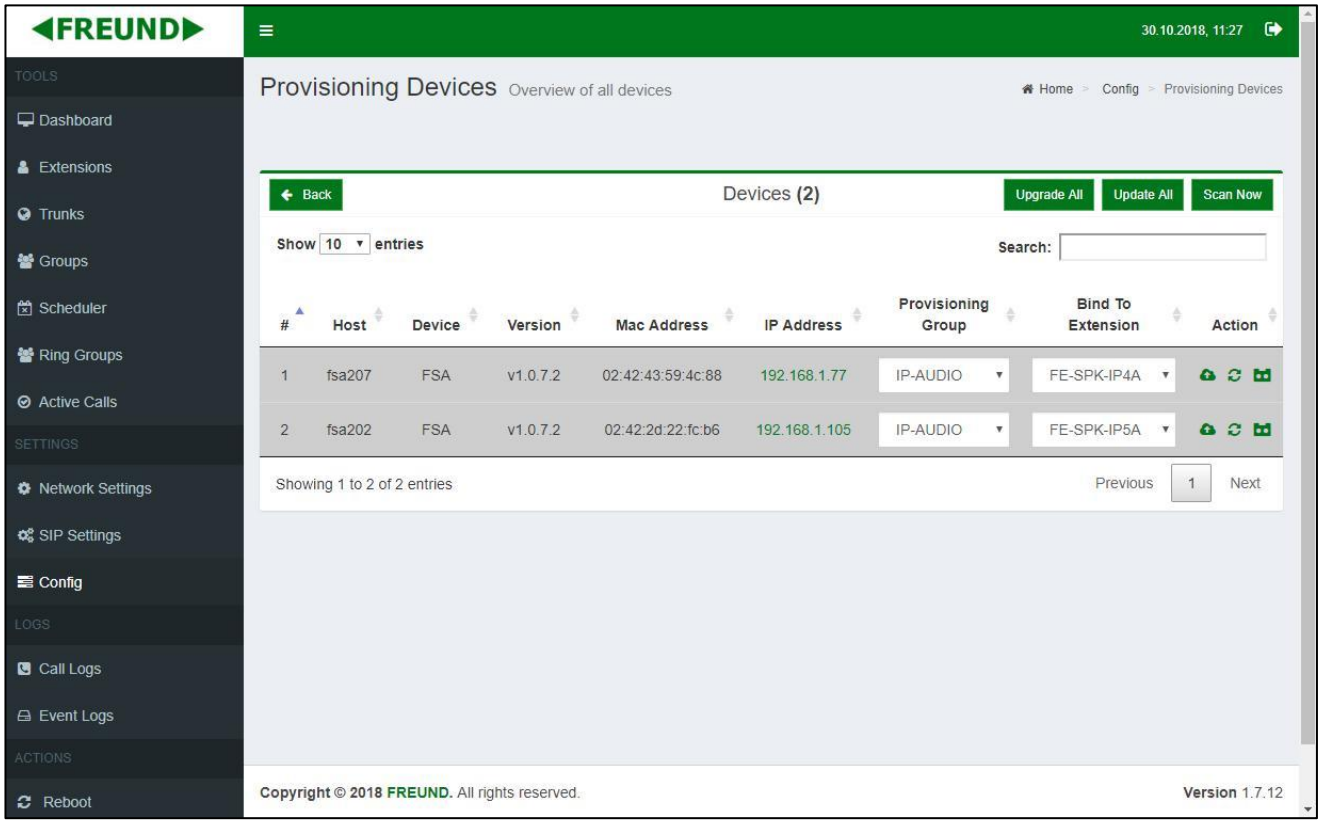
1. Product Setup

Upon extracting the device from the package, plug in the network cable into **RJ 45 ethernet** port. After device has turned on, it will be scannable by IP-INTEGRA SIP server (See Provisioning Devices section of a FE-INT-SIP(D) User Manual) where you can see an **IP address** that the device has received. Default network setting is DHCP.

To access the web interface, a PC is required, and it must be connected to the same network as SIP server and SIP Audio device. Using the web browser, access the web interface by entering the IP address of a device into the address bar.



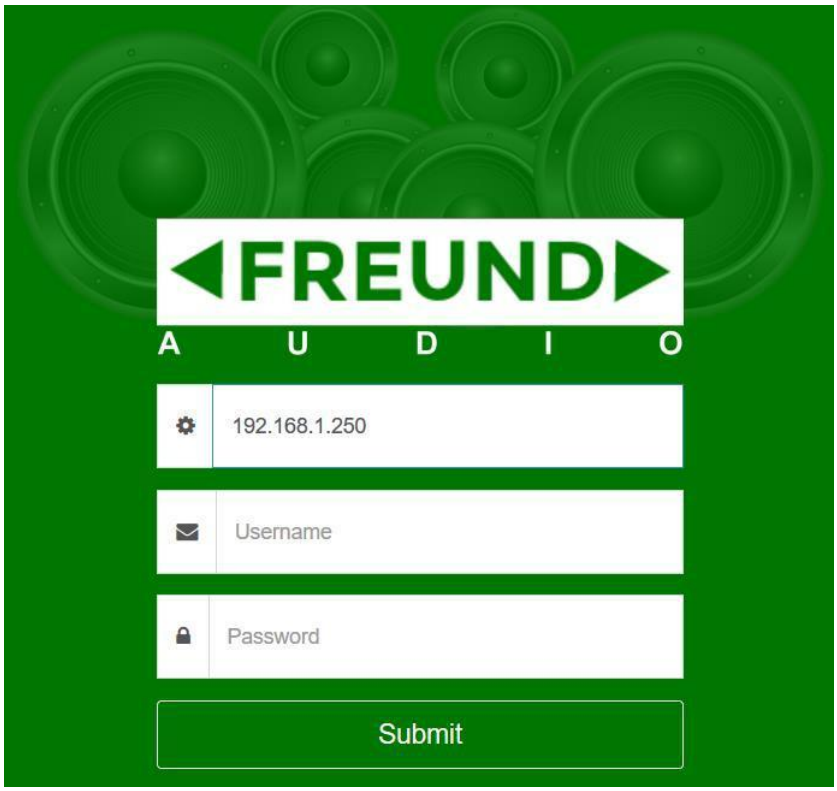
SIP SERVER WEB INTERFACE SHOWING SCANNED IP-AUDIO CLIENTS

NOTE: If device "**Host**" name is shown on the list, it means that IP-Client is not licensed.

2. Log in and Homepage

The **IP address** for FREUND AUDIO server is given by the **DHCP**. Upon accessing the web interface, user will be prompted to enter a **username** and **password**. Default values are "**admin**" for both fields.

After clicking the **Submit** button, the **Homepage** will open.



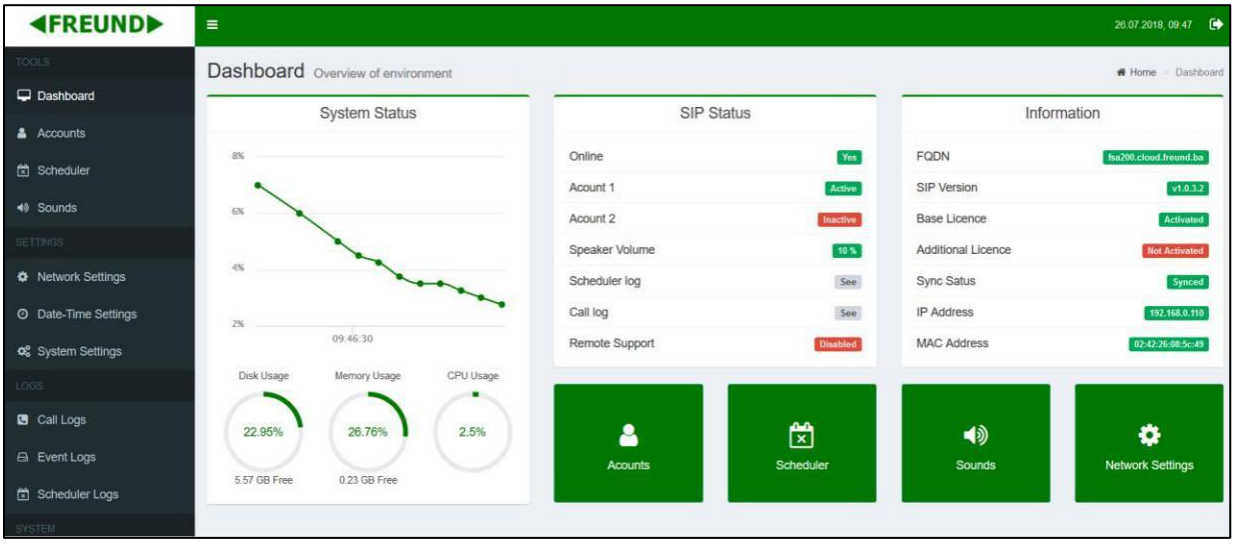
DEVICE LOGIN

3. Homepage

Upon reaching the **Homepage** page, on the left side user will see a **Navigation panel** containing following sections: **Tools**, **Settings**, **Logs**, and **System**. On the right side is the **Dashboard** that provides overview of the whole environment.

This includes **System Status**, **SIP Status, Information, Event Logs**, and shortcuts to following pages: **Accounts, Scheduler, Sounds** and **Network Settings**.

Language can be changed in the top-right corner of the page. Available languages are **English** and **Danish**.



HOMEPAGE

4. Menu

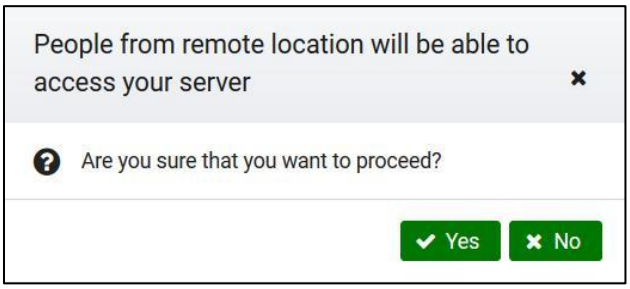
4.1 Tools

Under tools section you can find **Dashboard**, **Accounts**, **Scheduler** and **Sounds**.

4.1.1 Dashboard

Dashboard is the default part of the **Homepage**. Under the SIP status, within the **Dashboard**, is the option **Remote support**. It is disabled by default. To enable it, users need to simply click on the 'Disabled' button and the prompt for enabling it will show.

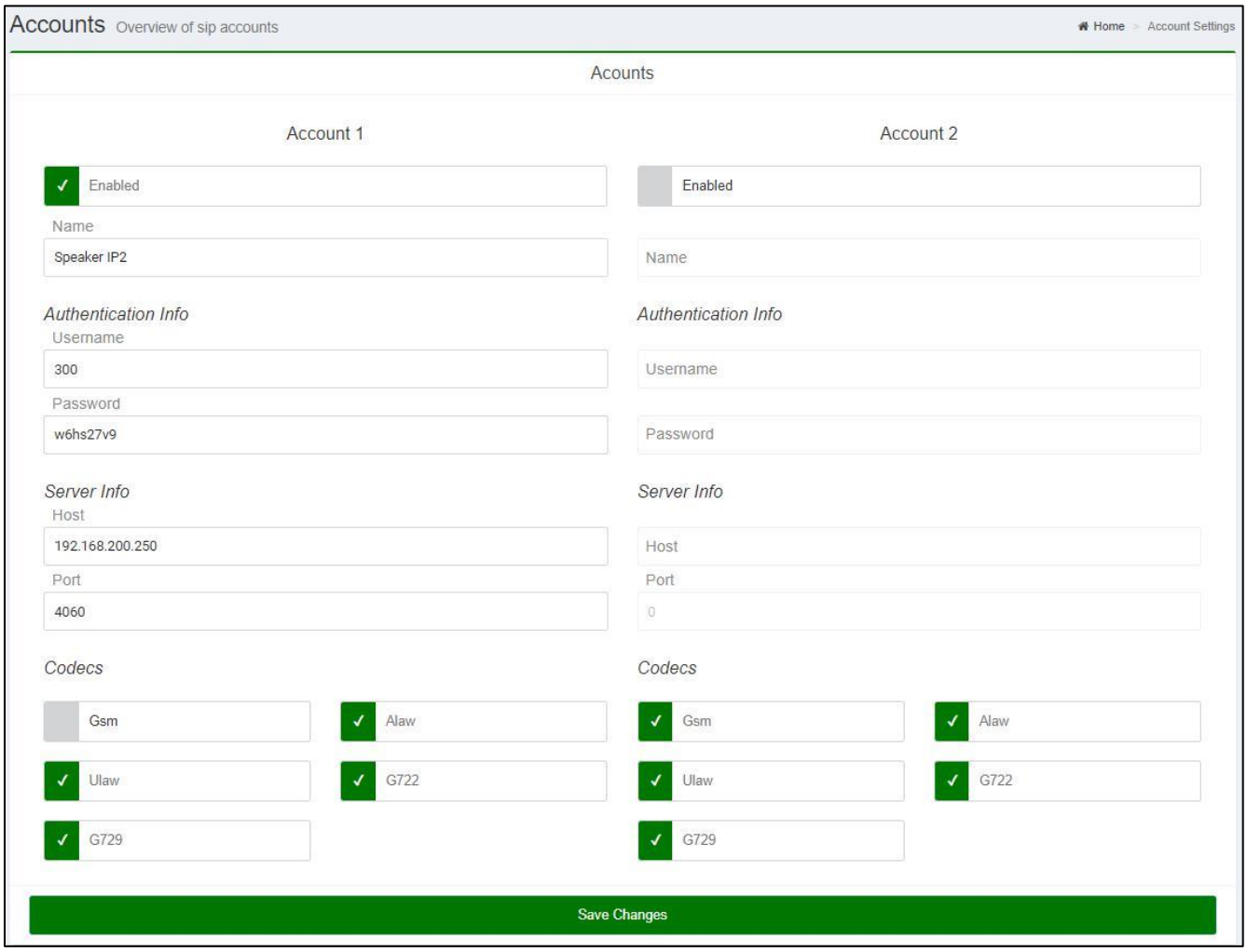
Remote support will stay enabled until user manually disables it.



REMOTE SUPPORT PROMPT

5.1.2 Accounts

Accounts section within **Tools** allows users to link a device to an extension in SIP server. Prerequisite for this is created extension on SIP server, which gives us **extension number** and **secret** (**Password** is called **Secret** in SIP server). This is thoroughly described in **SIP Server User Manual.**



SIP CONNECTION SETUP

To set up the device with SIP server, **Username**, **Password**, **Host** and **Port** fields need to be filled in as well as Enabled button must be ticked.

- **Username** – Assigned extension number in SIP server is entered under Username field on the device interface.
- **Password** – Under Password field, we will enter the Secret that can be found under Extension settings in SIP server.
- **Host** – IP Address of a SIP server.
- **Port** – Port over which the communication to SIP server is established.

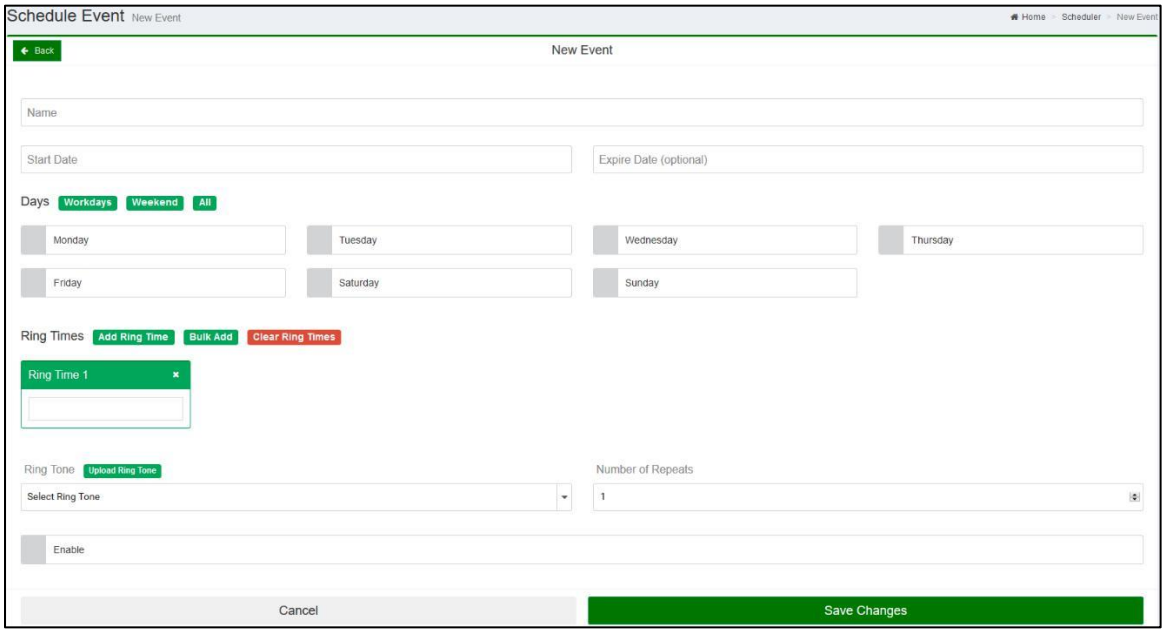
Also, a list of codecs is displayed which user can tune to suit his needs.

5.1.3 Scheduler

Scheduler allows creation of multiple schedule times for extension or ring groups or even transferring scheduler configuration from **SIP server**. In **Actions tab,** scheduled events with eye icon are transferred from **SIP server**. Their configuration can only be seen by user.

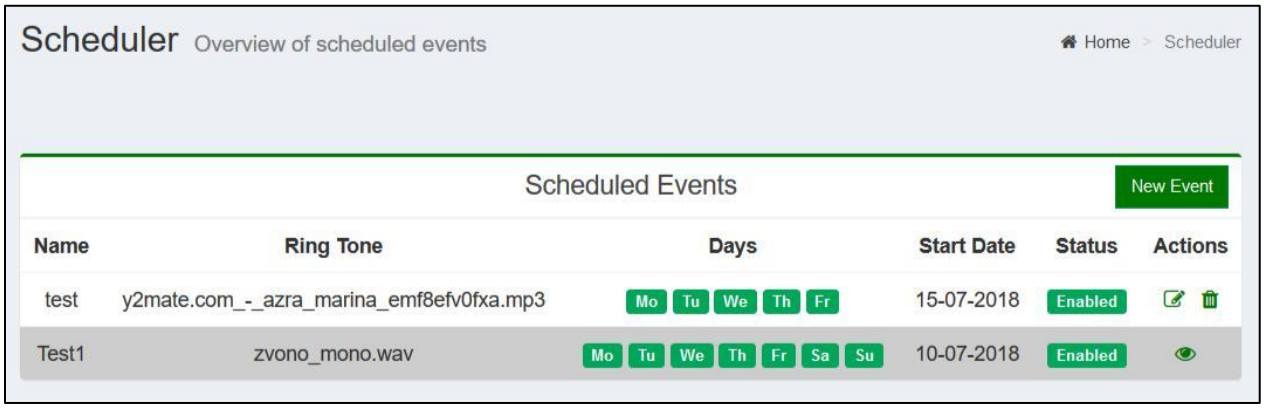
When creating a **new event**, users need to **name** it and give it at least **starting date**. **Expiry date** is optional. Also, users can select which days in a week will the scheduler work.

Clicking on **Add Ring Time** creates an alarm. User has ability to select time. **Bulk Add** allows creating multiple alarm times by entering time, number of rings, and period between rings. Users can select one of the pre-existing sounds or upload their own (check **5.1.4 Sounds** section of this document) to be played on alarm time.



ADDING NEW SCHEDULER

Section	Function
Name	Enter Bell name
Start Date	Select starting date for the schedule
Expire Date	Select expiry date for the schedule
Days	Select days in a week for the schedule
Ring Times	Allows managing of alarm ring times
Ring Tone	Allows selecting and uploading new ringtones
Repeat ring tone number	Number of instances that ringtone will repeat
Enable	Ticking this option enables the scheduler



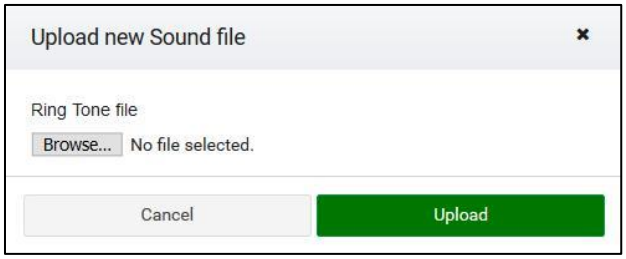
SCHEDULER OVERVIEW

5.1.4 Sounds

Sounds section allows uploading audio files which can be played and used in a scheduler.

SOUNDS SECTION

Upon clicking on **Upload new sound**, a window will show allowing to select an audio file for upload.



UPLOAD NEW SOUND FILE

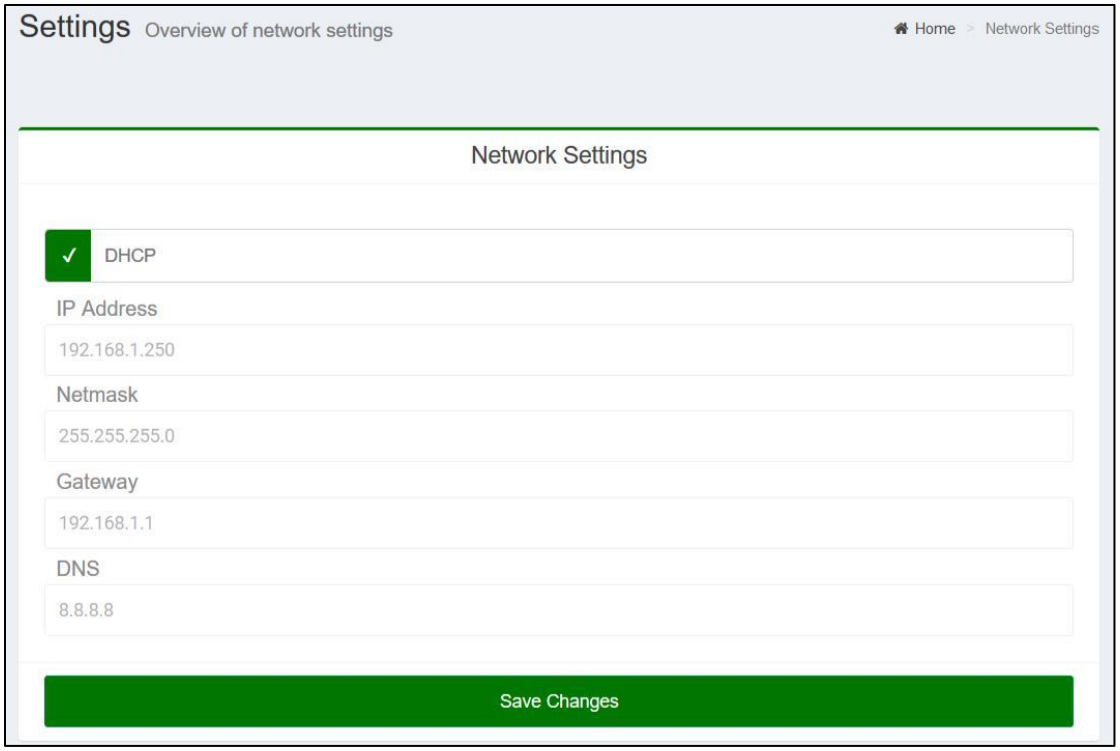
Under **Actions** column, three icons (▶ 🔊 🗑) are **Play**, **Play a sound on speaker,** and **Delete sound**, respectively.

5. Settings

Under Settings section, user is able to adjust **Network Settings, Date and Time Settings,** and **System Settings.**

6.1 Network Settings

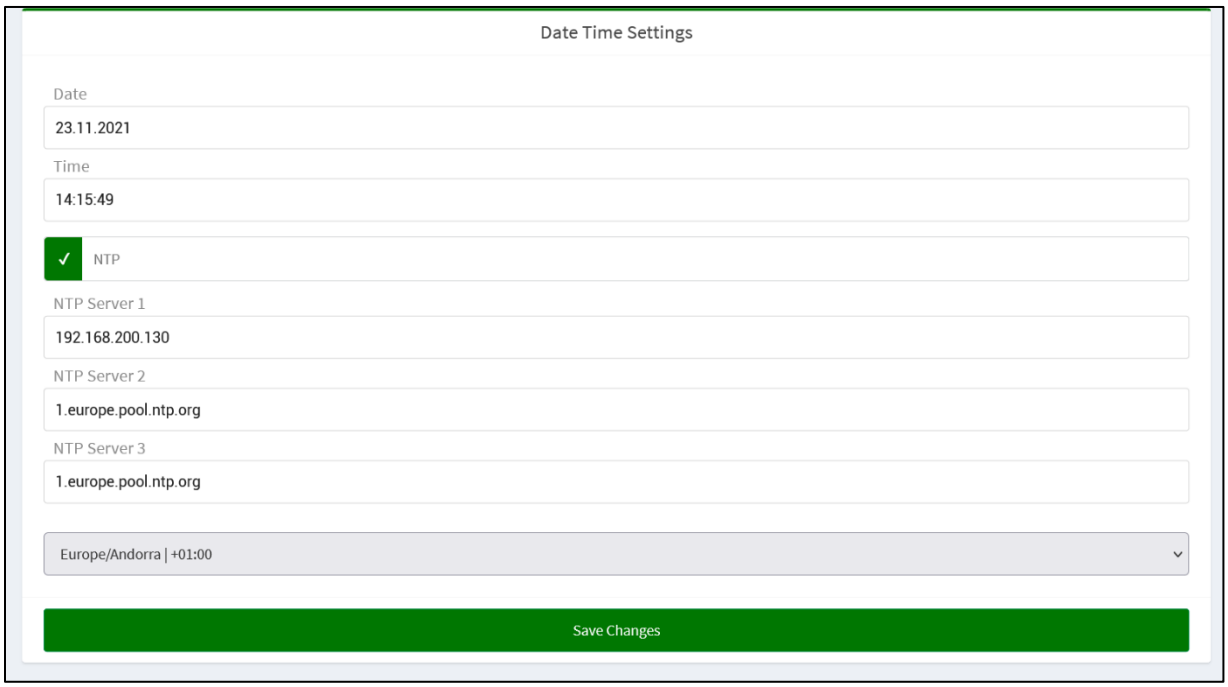
Under **Network Settings**, user can adjust **IP Address**, **Netmask**, **Gateway**, and **DNS** of a SIP audio device. **Default settings** are shown in the picture below.



DEFAULT NETWORK SETTINGS OF AN IP-AUDIO CLIENT

6.2 Date and Time Settings

Here, users are able to adjust **date** and **time** as well as designate a **time zone**. **Network Time Protocol** (**NTP**) is a networking protocol for clock synchronization between computer systems over packet-switched, variable-latency data networks. NTP is intended to synchronize all participating computers to within a few milliseconds of Coordinated Universal Time (UTC)**.**



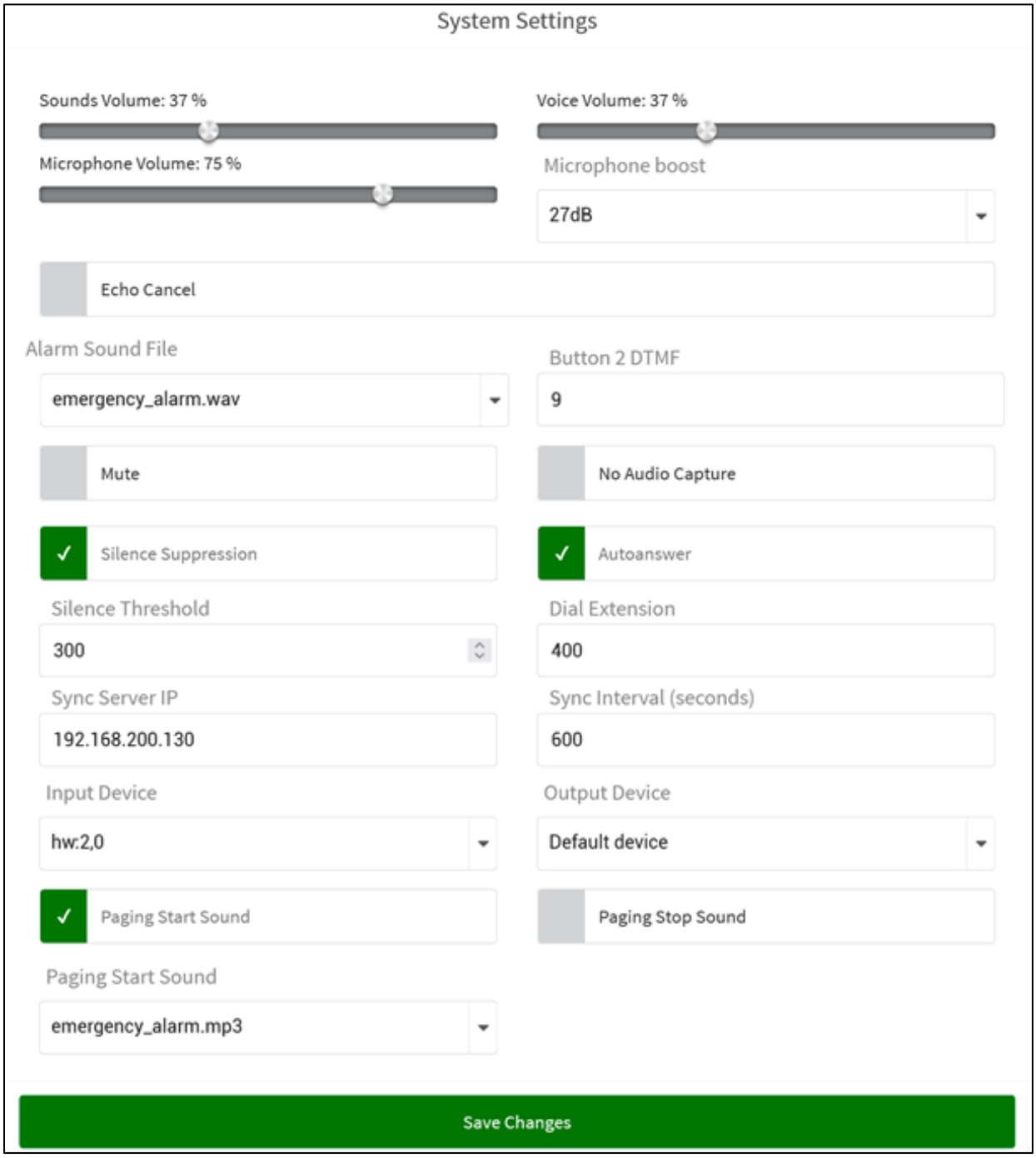
DATE AND TIME SETTINGS

6.3 System Settings

Here, users are able to configure the **Sound**, **Voice** and **Microphone volume** by moving sliders left or right, and **Microphone boost** should they need it.

- Options for **Echo cancellation** are located right below the volume sliders.
- **Alarm Sound File** option allows uploading of a custom alarm sound.
- **Mute** – mutes the audio input
- **No audio capture** – disables audio input (same functionality as Mute, but sends no data)
- **Silence Suppression** when enabled, prevents device from transmitting information over network that is under the level of **Silence Threshold**.
- **Silence Threshold** allows user to designate what sound levels are classified as Silence; and shall not be transmitted.
- **Sync Server IP** is the IP address of a SIP server that device is synchronized to.
- **Sync Interval** is the amount of time that passes between device checking for changes on SIP server.
- **Dial Extension –** Upon pressing the button, the device will dial the entered extension number (Only for SMOD and DMOD)
- **Paging Start Sound** if enabled will make a sound upon paging.
- **Paging Stop Sound** if enabled will make a sound when paging has stopped.

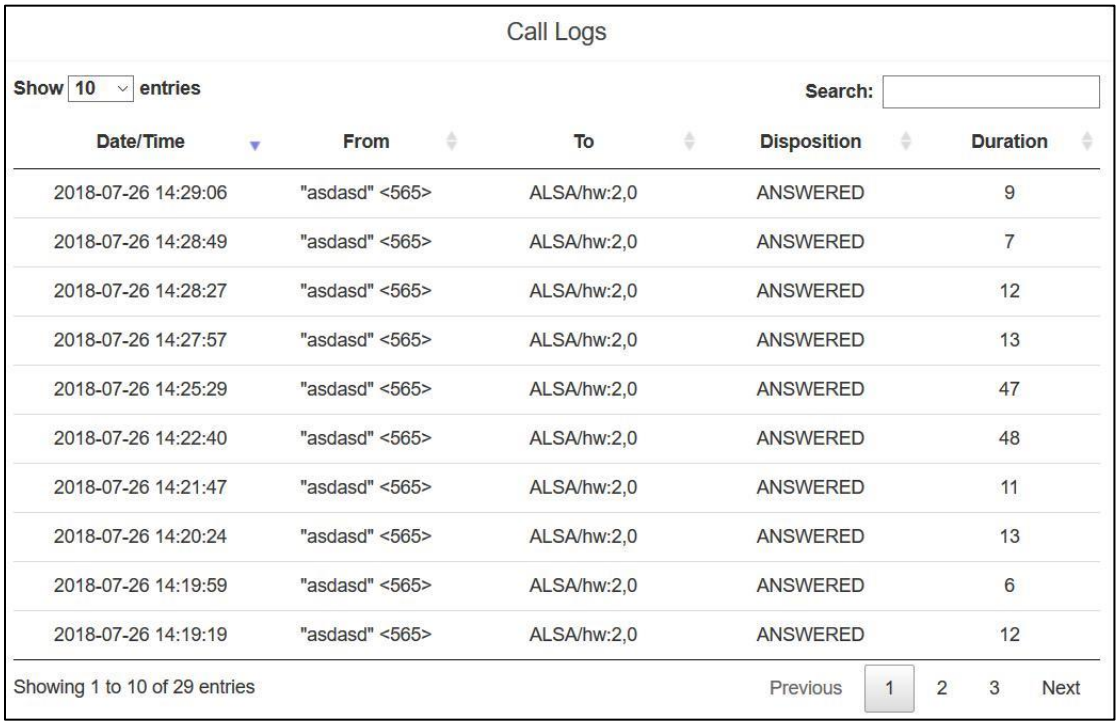
Users are also able to select a **Paging Start Sound** on this page.



SYSTEM SETTINGS

6. Logs

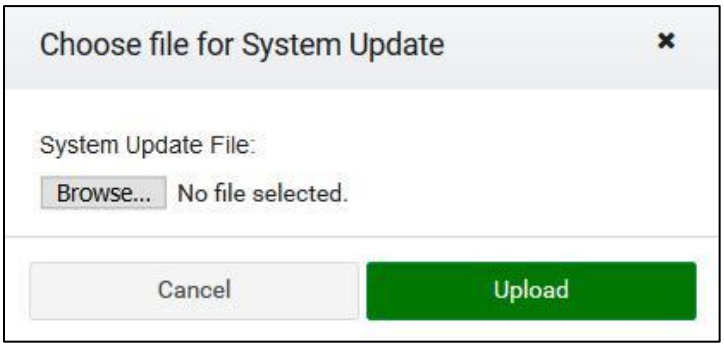
Logs section contains lists of all **Call Logs**, **Event Logs** and **Scheduler Logs**.



CALL LOGS

7. System

Under System section users have option to perform an **Update**, **Reboot** the device or power it off by clicking on the **Shut Down** button.



SYSTEM UPDATE

Freund Elektronik A/S, in cooperation with our sister company Freund Elektronika D.O.O. Sarajevo, is developing an IP-Based Intercoms, Audio Systems, Access Control and Smart Home solutions.

As a developer, manufacturer, and reseller, we have been self-improving and perfecting ourselves for over 30 years.

In the industry, we negotiate the most advanced and innovative solutions regarding the building communication. Our daily focus is on the development and user friendliness of our high quality and pleasantly designed products.

As a developer and manufacturer of our own IP-INTEGRA system, we have made a top-of-the-line products for Door Telephony, Public Audio, and Access Control solution.

Our development department, together with our partners, has created elegant and robust door phones, SIP-Centrals, Terminals, IP-Speakers, ACC Controllers, and applications with intelligent features using the most advanced technologies when available, and creating new technologies when they are not while keeping it simple for our customers.