◄FREUND►

IP-INTEGRA Audio Client User Manual

Firmware v1.08
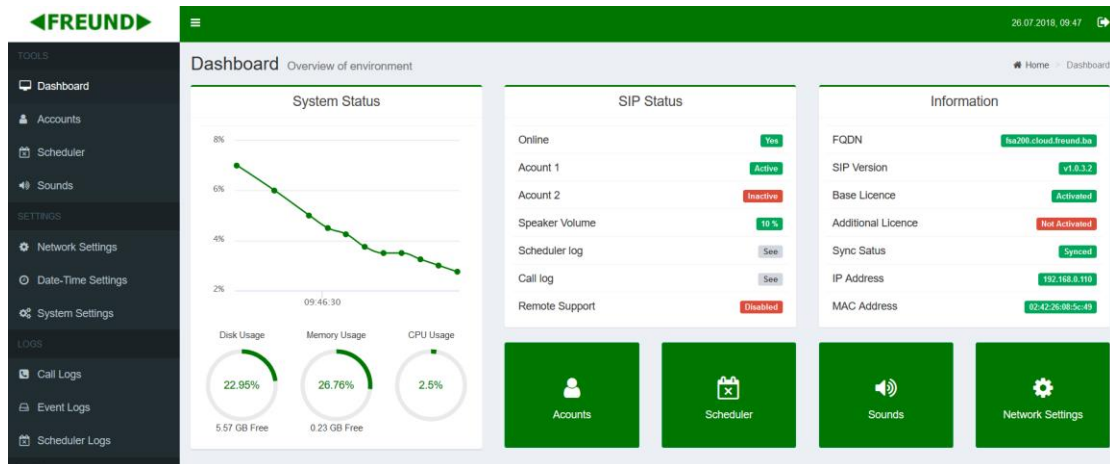
FREUND

Contents

1. Product Setup

Extract AUDIO server from box. DHCP is activated by default. If user has SIP server connected with SIP audio device, IP of audio device can be found on SIP server in **Provisioning Devices** in config section. On PC connect to same network SIP audio is connected to. Using web browser (Chrome, Mozzila, etc.) open web interface, by entering IP address of SIP audio into web browsers address bar.
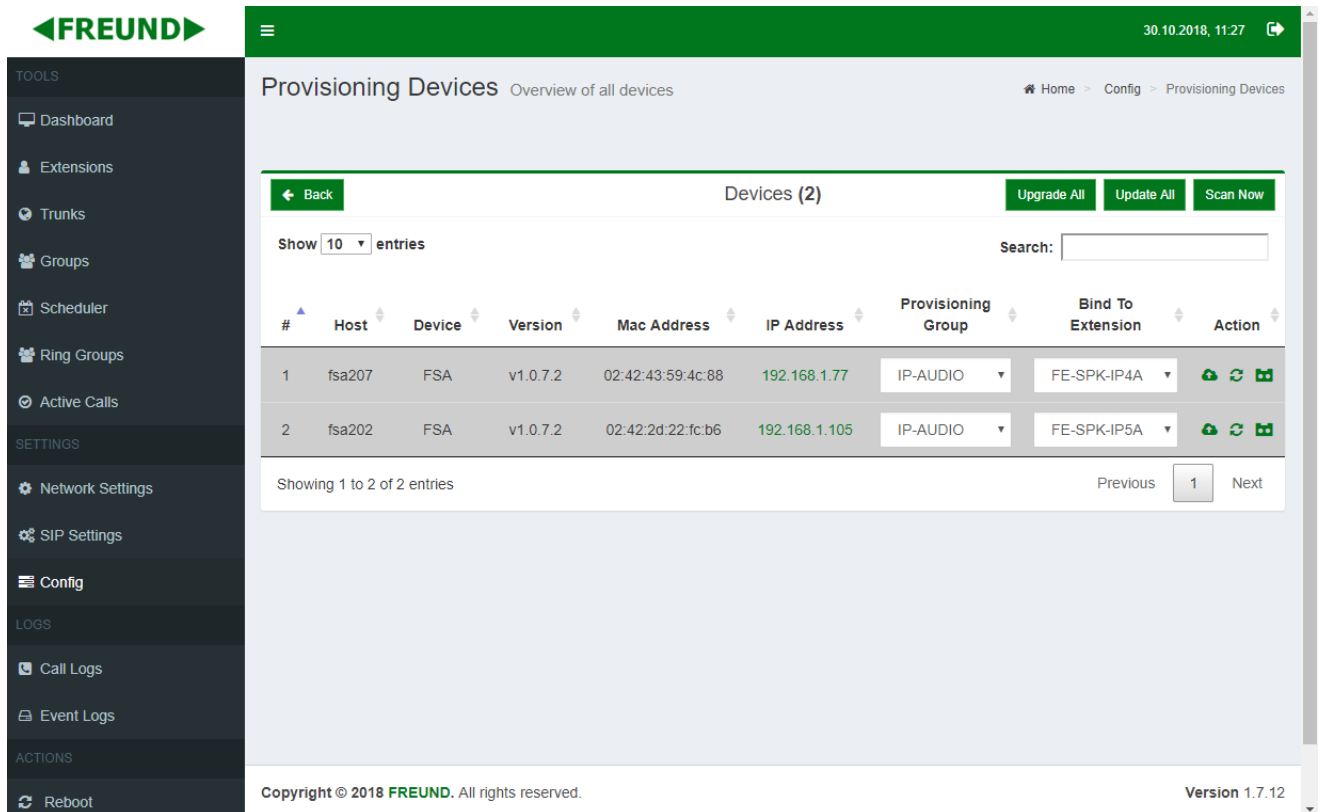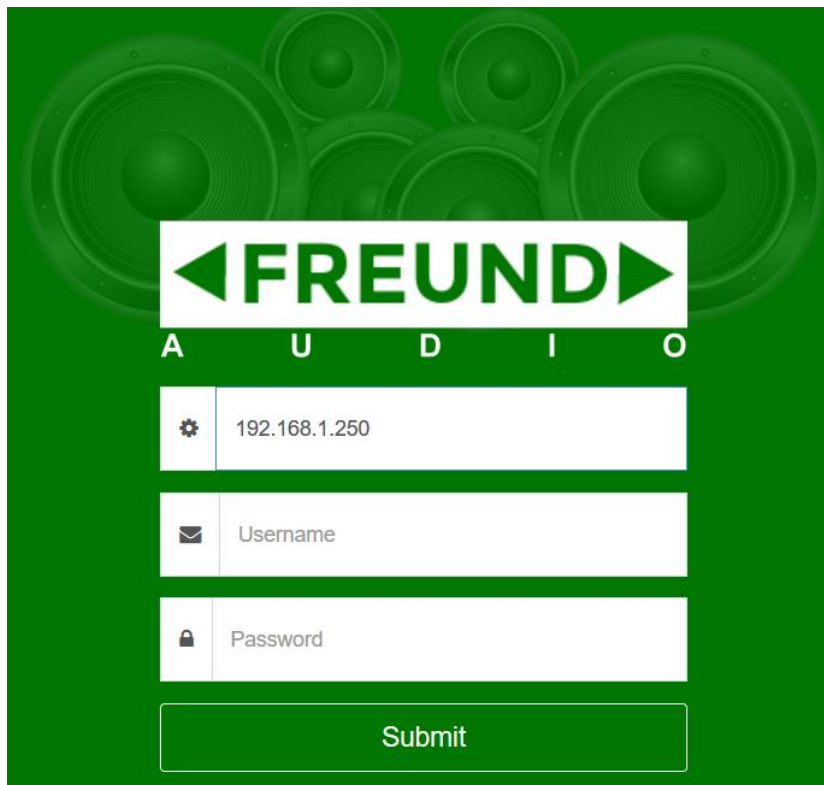

PICTURE 1 WEB interface of IP-INTEGRA SIP-SERVER shows discovered IP-Audio clients

Note: If device "Host" name is shown on the list means that IP-client is not licensed.

2. Log in and Home

The IP address for FREUND AUDIO server is given by DHCP. The default IP address for FREUND AUDIO server is 192.168.1.250. You will be prompted to enter the Username and Password. Default values are "admin".

Section	Value
IP Address	192.168.1.250
Username	admin
Password	admin

**PICTURE 2 Log-In form on WEB interface**

After clicking the **Submit** button, the **Home page** of FREUND SIP server will open.

3. Home Page

Home page is shown in Picture 3. On the left side of the **Home screen** is the **Menu** that contains the following sections: **Tools, Settings, Logs and Actions** (Picture 3). On the right side is the **Dashboard** that provides overview of the whole environment. That includes **System Status - Disk Usage, Memory Usage, CPU Usage**, **SIP status**, **Information**, some **shortcuts** and **Event Logs** (Picture 3). Language can be chosen in upper right corner **English** or **Danish**.
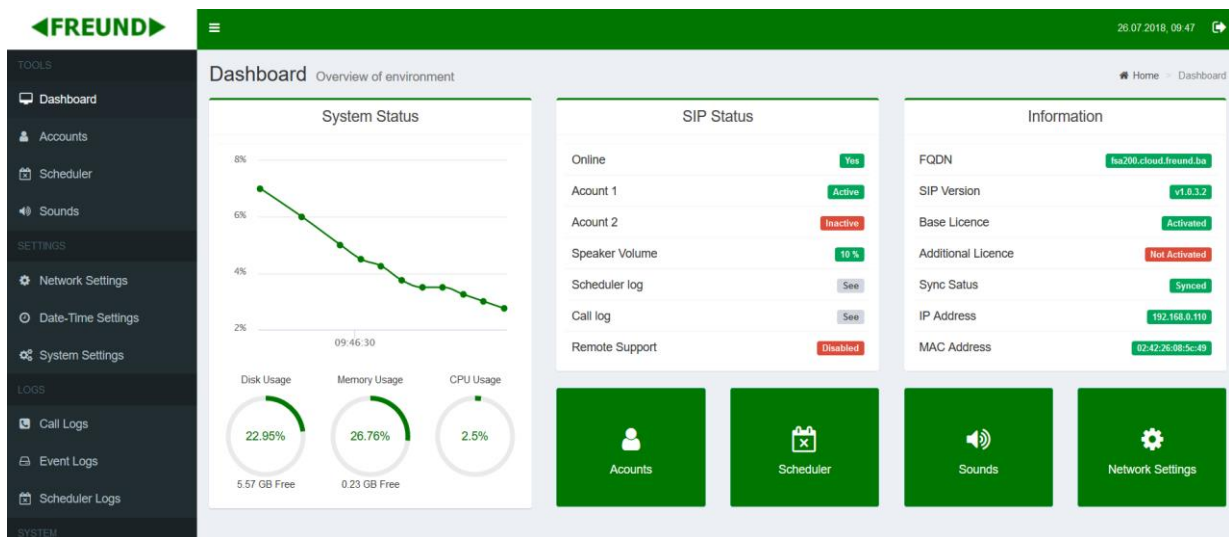

PICTURE 3: Home Page of IP-INTEGRA Audio Client

4. Menu

4.1 Tools

Tools contain the following sections: **Dashboard, Accounts, Scheduler, Sounds.**

4.1.1 Dashboard

Dashboard is the default part of the Home page. You can also bring the **Dashboard** by clicking the **FREUND logo** in the upper left corner that brings the **Home Page**. Under the **SIP status** within the **Dashboard** (Picture 4), **Remote support** is disabled by default. Clicking **'Disabled'** will open a window for enabling the **Remote support**. This option is only provided on the **Dashboard**.

Please take care of this option such when you enable support it stays enabled for a while until disabled manually.
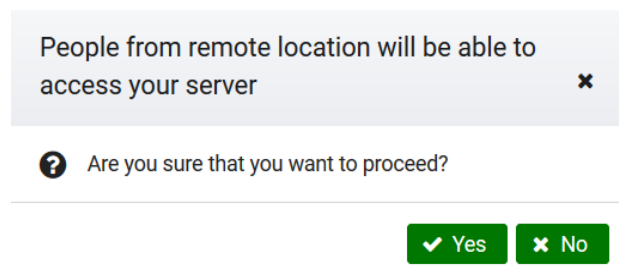
PICTURE 4: Remote Support dialog

4.1.2 Accounts

Accounts item within **Tools** lists all accounts and gives option for enabling and setting up SIP accounts (PICTURE 5).

PICTURE 5: SIP-Server connection setup

In **Authentication Info,** in username section enter extension number that is created on SIP server while in password section enter password for that extension.

In **Server Info,** in host section enter IP of SIP server, while in port section enter port number.

4.1.3 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.

First option is put the **Name**, then to choose **Starting** and **Ending** date. **Days** gives an option to choose on which days in week scheduler will work, **Workdays** (Monday to Friday), **Weekend** (Saturday and Sunday) and **All** (Monday to Sunday).

Clicking on **Add Ring Time** creates alarm time where user chooses time. **Bulk add** gives option to create multiple alarm times by entering time, number of rings, and period between rings. User can also upload and choose sound which will be played on alarm time.

PICTURE 6 Add new scheduler

Clicking on **Schedule Event,** opens options that are described in table below:

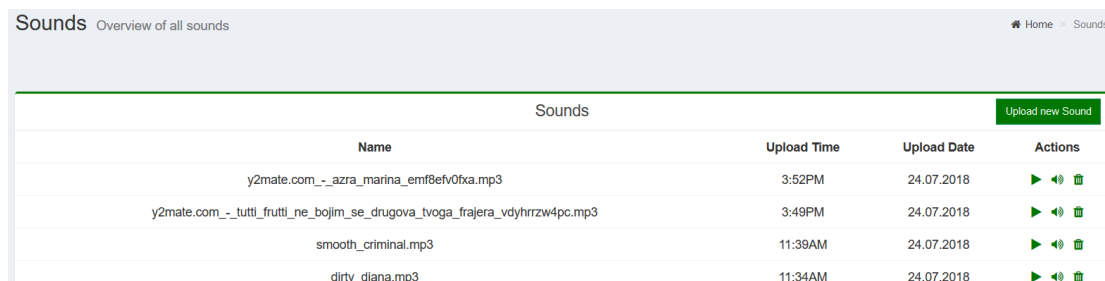| Section	Function
Name	Enter bell name
Start date	Select start date
Expire date	Select expire date
Days	Select days of the week in which scheduler will work
Ring times	Allows managing of ring times. Clicking on **Add Ring Time** creates alarm time where user chooses time

Ring tone	Allows selecting and uploading ring tones
Repeat ring tone number	How many times selected ring tone will repeat
Enable	Enables scheduler
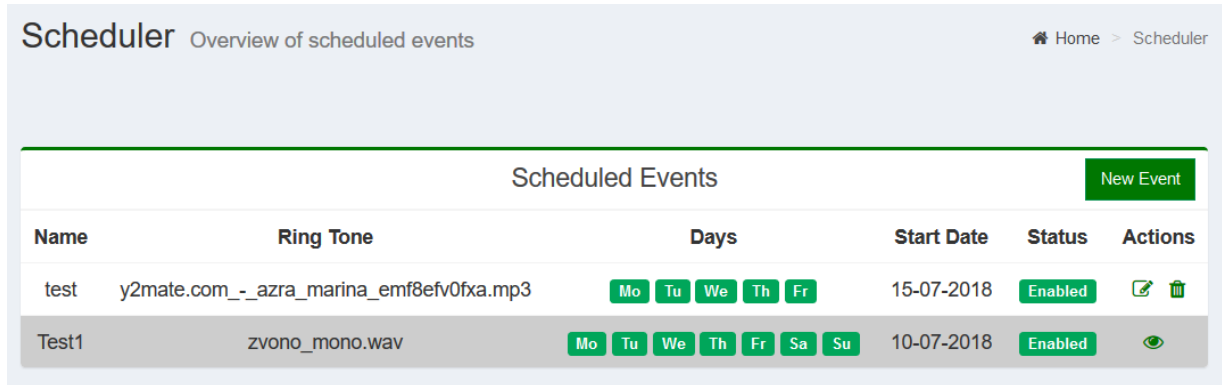
PICTURE 7: Scheduler option allows user to preset periodical playing of audio files

4.1.4 Sounds

Sounds item within tools gives option for uploading new audio file, which can be played or used in scheduler. Clicking on **Upload new Sound** opens window on Picture 9. Click browse and choose file, which is wav or mp3 format, then click upload.

PICTURE 8: In "Sounds" user can manage playlist of audio files

Name	Icon	Function
Play	▶	Plays sound on PC
Speaker	🔊	Plays sound on speaker
Delete	🗑	Deletes the selected sound
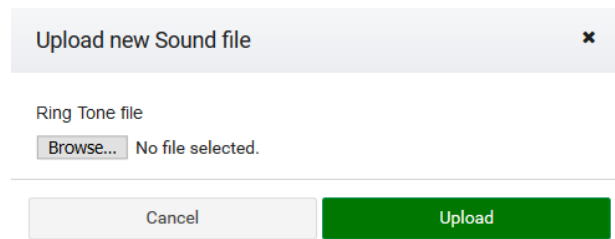
PICTURE 9 Upload new Sound file
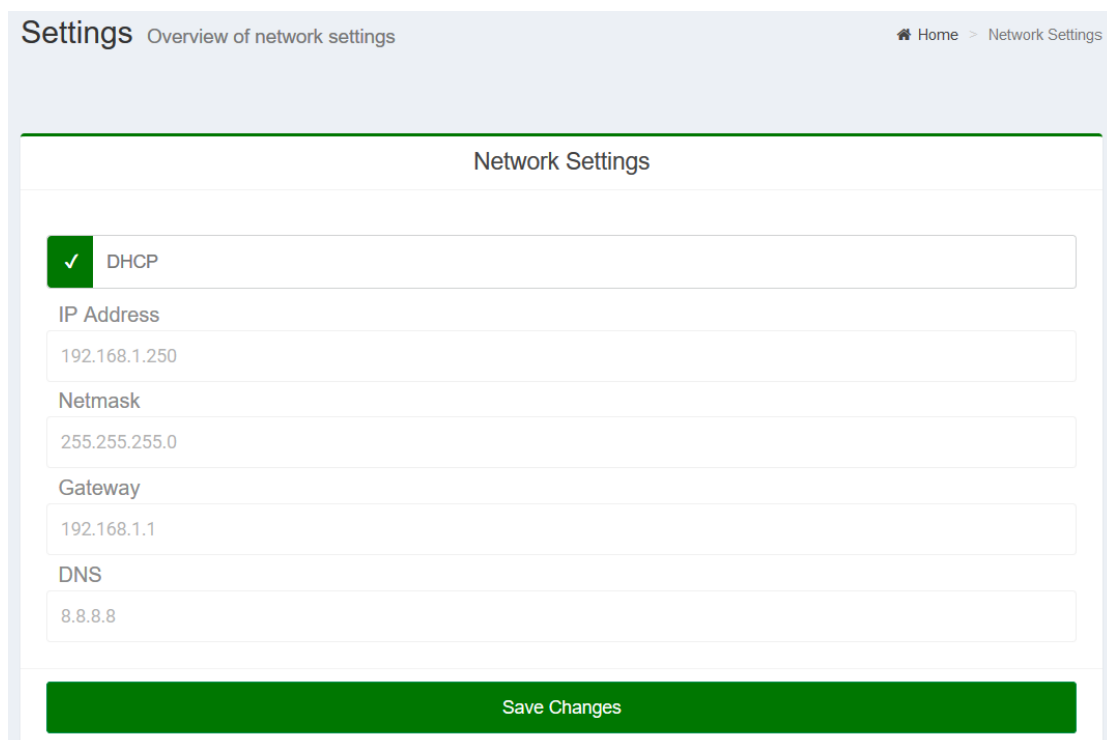
5. Settings

In Settings you can adjust **Network Settings**, **Date-Time Settings, and System Settings.**

5.1 Network Settings

In **Network Settings** user can adjust IP address, Netmask, Gateway, and DNS of a SIP audio device. Default settings are provided in PICTURE .

PICTURE 10 Network setting for IP-audio client

5.1.1 Date and Time Settings

In **Date Time Settings** (PICTURE 11)**,** date and time can be adjusted, and time zone can be chosen. **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 Time Settings

Date

24.09.2020

Time

11:16:54

✓   NTP

NTP Server 1

192.168.200.250

NTP Server 2

1.europe.pool.ntp.org

NTP Server 3

1.europe.pool.ntp.org

Europe/Sarajevo | +01:00

Save Changes

PICTURE 11 Date and Time setting for IP-Audio client

5.1.2 System Settings

For devices that have buttons DTMF level can be chosen.

PICTURE 12 IP-Audio client System Settings

System Settings provides following options:

Section	Function
Alarm Sound File	Can be chosen, where alarm time is provided from SIP server
Silence Suppression	Goes in pair with **Silence Threshold**, silence suppression suppresses sound which are lower than value chosen in silence threshold.
Mute and No Audio Capture	If enabled, no audio capture device will be opened. This is useful on systems where there will be no return audio path, such as overhead pagers.
Input Device	Set configuration for microphone
Output Device	Set configuration for speaker device, choose default option. Other options will be implemented in future versions for other hardware.
Paging Star Sound and Stop Sound	Choose sounds that will be played in begging of paging and when paging stops
Sound, Voice and Microphone	Volume and microphone boost can be adjusted

6. Logs

Logs item from the **Menu** contains the option to list all **Call logs**, **Event logs** and **Scheduler logs** (Picture 13).

Call Logs

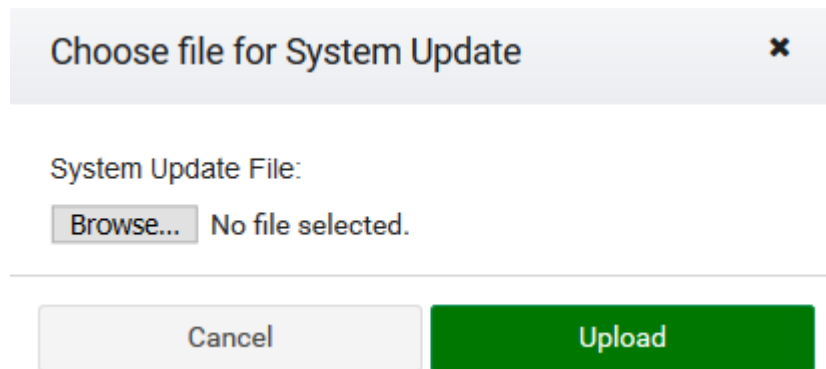Show 10 ∨ entries   Search: [   ]

Date/Time ▼	From	To	Disposition	Duration
2018-07-26 14:29:06	"asdasd" <565>	ALSA/hw:2,0	ANSWERED	9
2018-07-26 14:28:49	"asdasd" <565>	ALSA/hw:2,0	ANSWERED	7
2018-07-26 14:28:27	"asdasd" <565>	ALSA/hw:2,0	ANSWERED	12
2018-07-26 14:27:57	"asdasd" <565>	ALSA/hw:2,0	ANSWERED	13
2018-07-26 14:25:29	"asdasd" <565>	ALSA/hw:2,0	ANSWERED	47
2018-07-26 14:22:40	"asdasd" <565>	ALSA/hw:2,0	ANSWERED	48
2018-07-26 14:21:47	"asdasd" <565>	ALSA/hw:2,0	ANSWERED	11
2018-07-26 14:20:24	"asdasd" <565>	ALSA/hw:2,0	ANSWERED	13
2018-07-26 14:19:59	"asdasd" <565>	ALSA/hw:2,0	ANSWERED	6
2018-07-26 14:19:19	"asdasd" <565>	ALSA/hw:2,0	ANSWERED	12

Showing 1 to 10 of 29 entries   Previous **1** 2 3 Next

PICTURE 6 Call Logs

7. System

Last three options in the **Menu** are **Update** which updates system from chosen file (Picture 14), **Reboot** reboots device and **Shut Down** shuts down device. Before unplugging the central from the power supply, it is required to first shut it down.

PICTURE 7 System Update