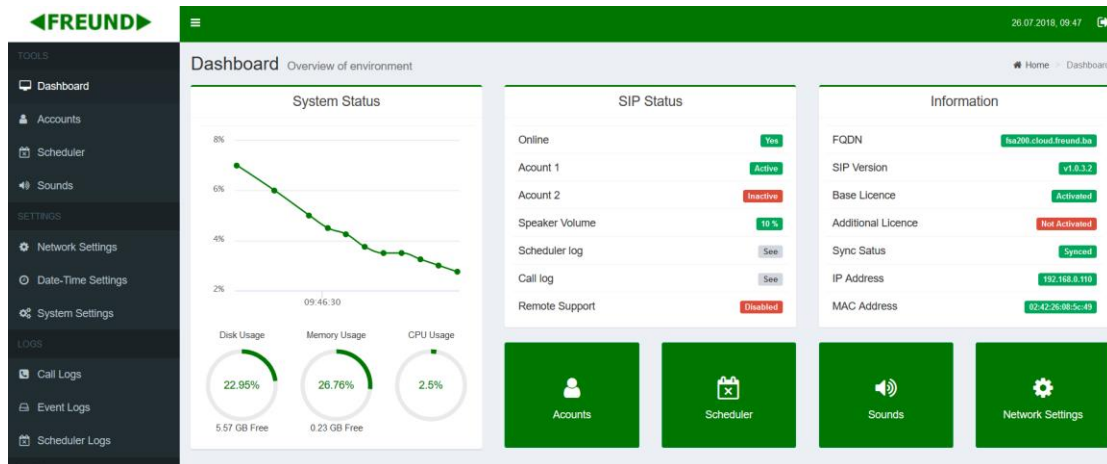




IP-INTEGRA Audio Client User Manual

Firmware v1.08



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1. Product Setup

Extract product 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, Mozilla, etc.) open web interface, by entering IP address of SIP audio into web browsers address bar.

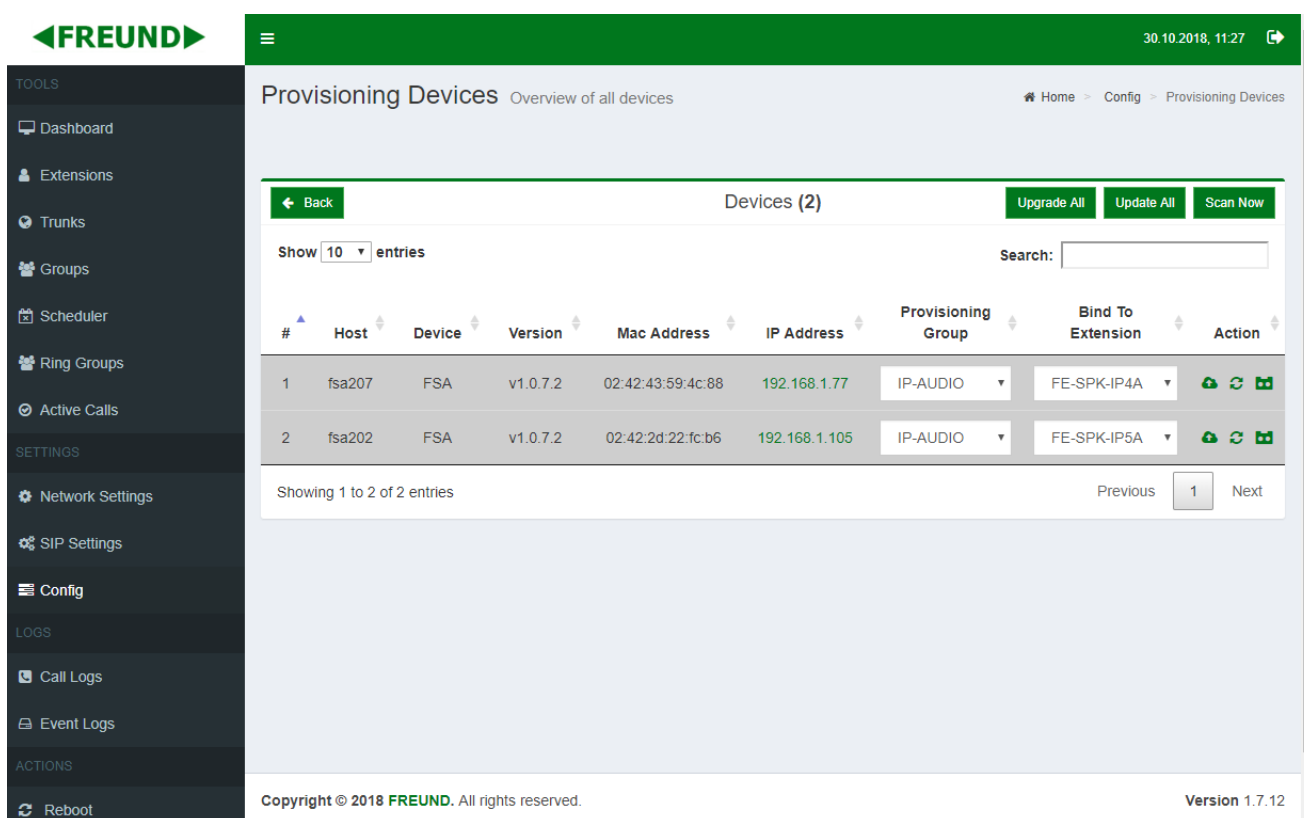


Figure 1: WEB interface of IP-INTEGRA SIP-SERVER shows discovered IP-Audio clients

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

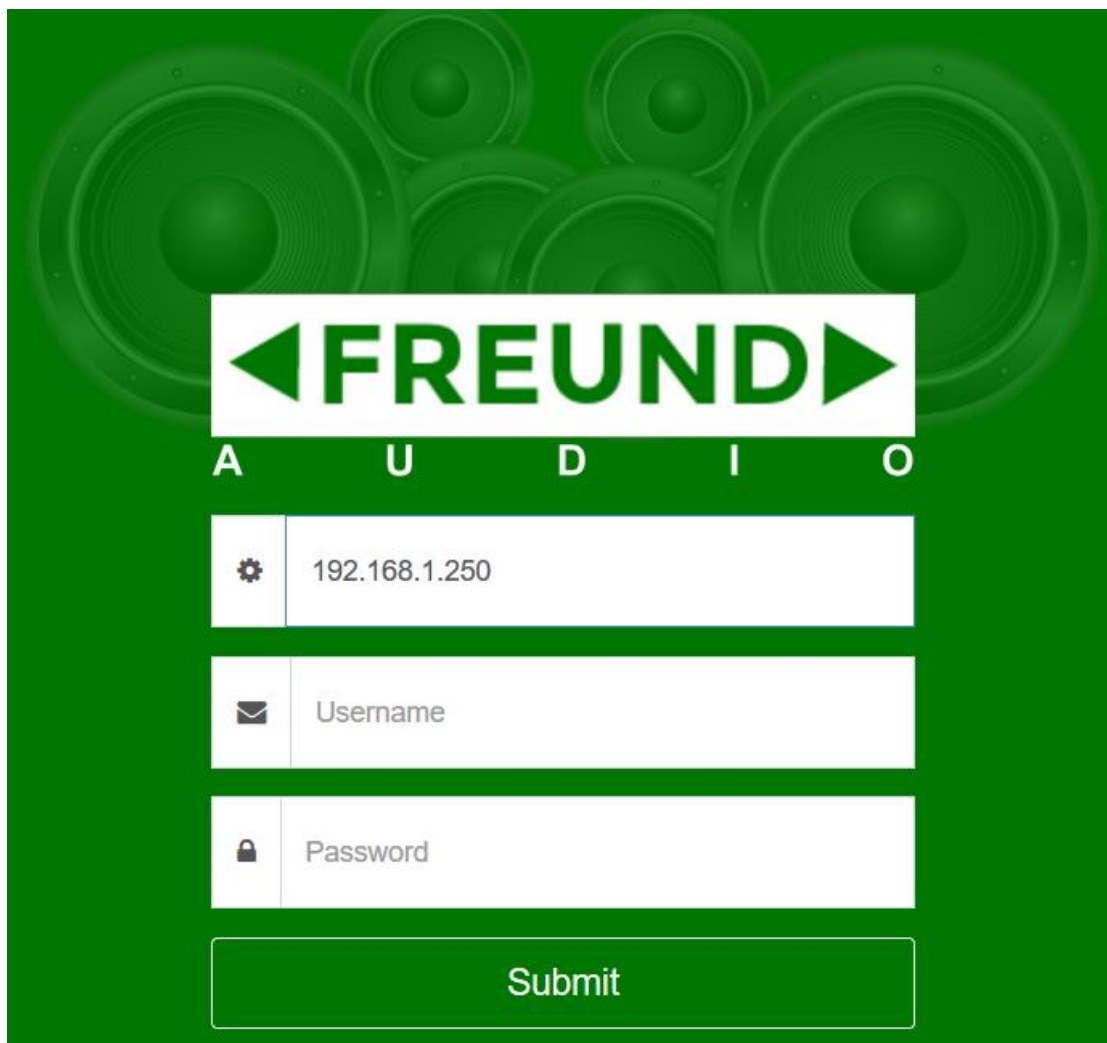
2. Log in and Home

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

IP address: DHCP

Username: admin

Password: admin



The image shows a log-in form for the FREUND AUDIO server. The form is centered on a green background with a pattern of speaker icons. At the top, the FREUND logo is displayed in white on a green background. Below the logo, the word 'AUDIO' is written in white capital letters. The form consists of three input fields: the first field is for the IP address, with a gear icon on the left and the value '192.168.1.250'; the second field is for the Username, with an envelope icon on the left and the placeholder text 'Username'; the third field is for the Password, with a lock icon on the left and the placeholder text 'Password'. Below the input fields is a large white button with the text 'Submit' in green.

Figure 2: Log-In form on WEB interface

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

3. Main Page

First page shown in is **Main Page**.

On the left side of the **Main Page** is the **Menu** that contains the following main sections:

Tools, Settings, Logs and System (Figure 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**.

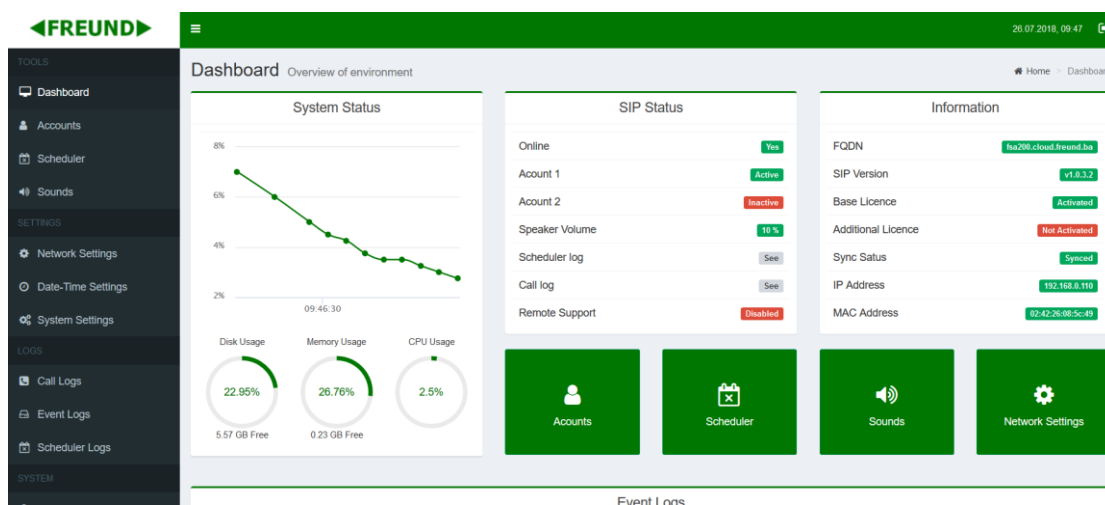


Figure 3: Main Page of IP-INTEGRA Audio Client

4. Menu

Tools

Tools item contains the following sections: Dashboard, Accounts, Scheduler, Sounds.

Dashboard

Dashboard can be brought up by clicking the **FREUND logo** in the upper left corner that brings the **Main Page**.

Under the **SIP status** within the **Dashboard** (Figure 3), **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 while until disabled manually.

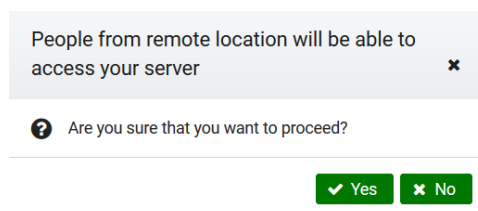


Figure 4: Remote Support dialog

Accounts

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

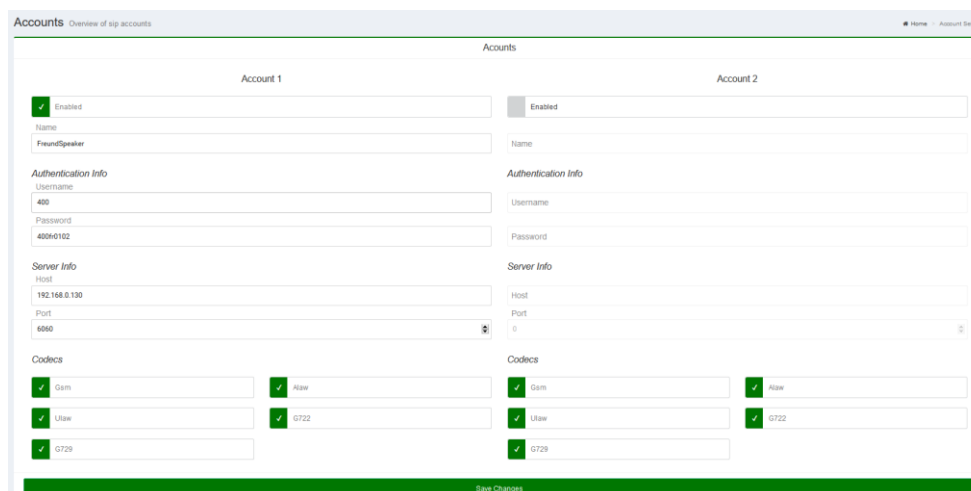


Figure 5: SIP-Server connection setup

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.

Scheduler

Scheduler allows creation of multiple schedule times or 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.

Scheduler Overview of scheduled events						Home > Scheduler
Scheduled Events						New Event
Name	Ring Tone	Days	Start Date	Status	Actions	
test	y2mate.com_-_azra_marina_emf8efv0fxa.mp3	Mo Tu We Th Fr	15-07-2018	Enabled		
Test1	zvono_mono.wav	Mo Tu We Th Fr Sa Su	10-07-2018	Enabled		

Figure 6: Scheduler option allows user to preset periodical playing of audio files

First option is to **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. **Action Extension** allows to choose which extension or ring group will play given sound.

Schedule Event New Event Home Scheduler New Event

← Back New Event

Name

Start Date Expire Date (optional)

Days **Workdays** **Weekend** **All**

Monday Tuesday Wednesday Thursday
Friday Saturday Sunday

Ring Times **Add Ring Time** **Bulk Add** **Clear Ring Times**

Ring Time 1

Ring Tone **Upload Ring Tone** Number of Repeats

Select Ring Tone 1

Enable

Cancel Save Changes

Figure 7 Add new scheduler

Sounds

Sounds item within tools gives option for uploading new audio file, which can be played or used in scheduler.

The icon plays sound on PC, while plays sound on speaker (Figure 8). Clicking on **Upload new Sound** opens window on Picture 9. Click browse and choose file which is wav or mp3 format, then click upload.

Sounds				Upload new Sound
Name	Upload Time	Upload Date	Actions	
y2mate.com_-_azra_marina_emf8elv0fxa.mp3	3:52PM	24.07.2018		
y2mate.com_-_tutti_frutti_ne_bojim_se_drugova_tvoga_frajera_vdyhrzw4pc.mp3	3:49PM	24.07.2018		
smooth_criminal.mp3	11:39AM	24.07.2018		
dirty_diana.mp3	11:34AM	24.07.2018		

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

Upload new Sound file ✕

Ring Tone file

No file selected.

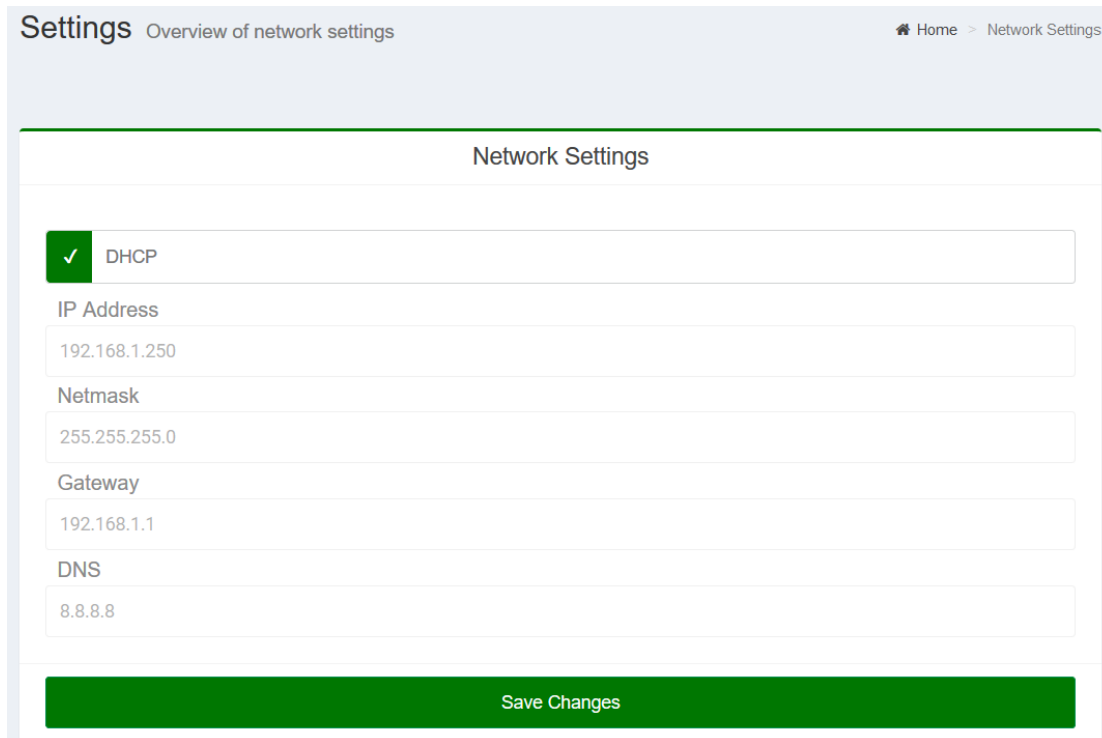
Figure 9 Upload new Sound file

5. Settings

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

Network Settings

In **Network Settings** user can adjust IP address, Netmask, Gateway, and DNS of a SIP audio device. Default settings are provided in Figure 10.



Settings Overview of network settings Home > Network Settings

Network Settings

DHCP

IP Address
192.168.1.250

Netmask
255.255.255.0

Gateway
192.168.1.1

DNS
8.8.8.8

Save Changes

Figure 10: Network setting for IP-audio client

Date and Time Settings

In **Date Time Settings** (Figure 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

Time

NTP

NTP Server 1

NTP Server 2

NTP Server 3

Europe/Brussels | +01:00 ▼

Figure 11: Date and Time setting for IP-Audio client

System Settings

System Settings provides following options:

Sound, Voice and **Microphone** volume and microphone boost can be adjusted.

Alarm Sound File can be chosen, where alarm time is provided from SIP server

For devices that have buttons DTMF level can be chosen.

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.

Silence Suppression goes in pair with **silence threshold**, silence suppression suppresses sound which are lower than value chosen in silence threshold

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

System Settings

Sounds Volume: 10 % <input type="range"/>	Voice Volume: 0 % <input type="range"/>
Microphone Volume: 0 % <input type="range"/>	Microphone boost 0dB
<input type="checkbox"/> Echo Cancel	
Alarm Sound File emergency_alarm.wav	
Button 1 DTMF 9	Button 3 DTMF 8
<input type="checkbox"/> Mute	<input type="checkbox"/> No Audio Capture
<input type="checkbox"/> Silence Suppression	<input checked="" type="checkbox"/> Autoanswer
Silence Threshold 0	Dial Extension 100
Sync Server IP 192.168.0.250	Sync Interval (seconds) 600
Input Device hw:2.0	Output Device Default device
<input type="checkbox"/> Paging Start Sound	<input type="checkbox"/> Paging Stop Sound

Save Changes

Figure 12: IP-Audio client System Settings

6. Logs

Logs item from the **Menu** contains the option to list all **Call logs**, **Event logs** and **Scheduler logs** (Picture 25).

Call Logs

Show entries Search:

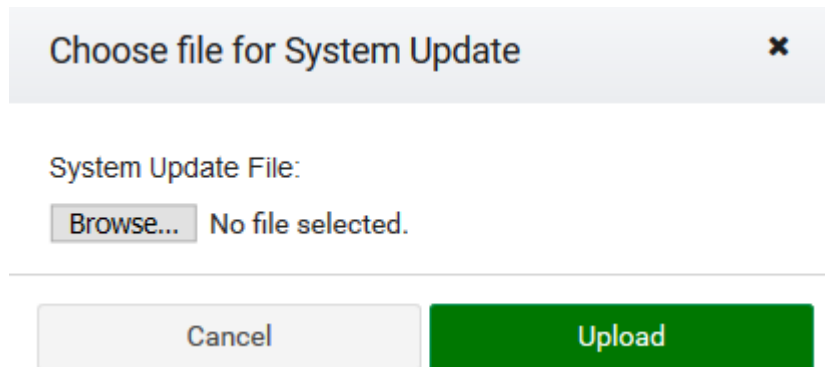
Date/Time	From	To	Disposition	Duration
2018-07-26 14:29:06	"asdasd" <565>	ALSA/hw:2,0	ANSWERED	9
2018-07-26 14:28:49	"asdasd" <565>	ALSA/hw:2,0	ANSWERED	7
2018-07-26 14:28:27	"asdasd" <565>	ALSA/hw:2,0	ANSWERED	12
2018-07-26 14:27:57	"asdasd" <565>	ALSA/hw:2,0	ANSWERED	13
2018-07-26 14:25:29	"asdasd" <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 Next

Figure 13 Call Logs

7. System

Last 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.



Choose file for System Update ✕

System Update File:
 No file selected.

Figure 14 System Update