



IP-INTEGRA FE-CUBE-PAS1 Paging Audio Adapter and Scheduler User Manual

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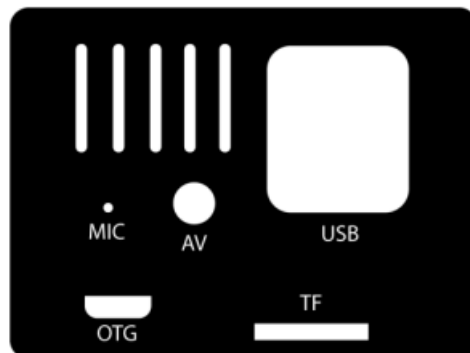
IP-INTEGRA FE-CUBE-PAS1 Paging Audio Adapter and Scheduler



Device IO

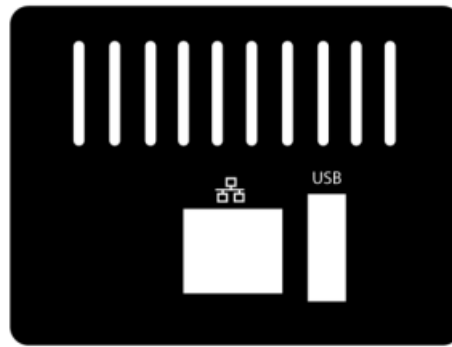
FE-CUBE-PAS1 FRONT VIEW

Front:



- 1x OTG – used to power the device (5V, 1.5A)
- 1x MIC – built in microphone
- 1x AV – Auxiliary port – can be used to connect Amplifiers, Voice Alarm Systems with Control inputs or VOX-control
- 1x TF – Card slot used to supply the device with an OS and backup storage
- 2x USB 2.0

Back:

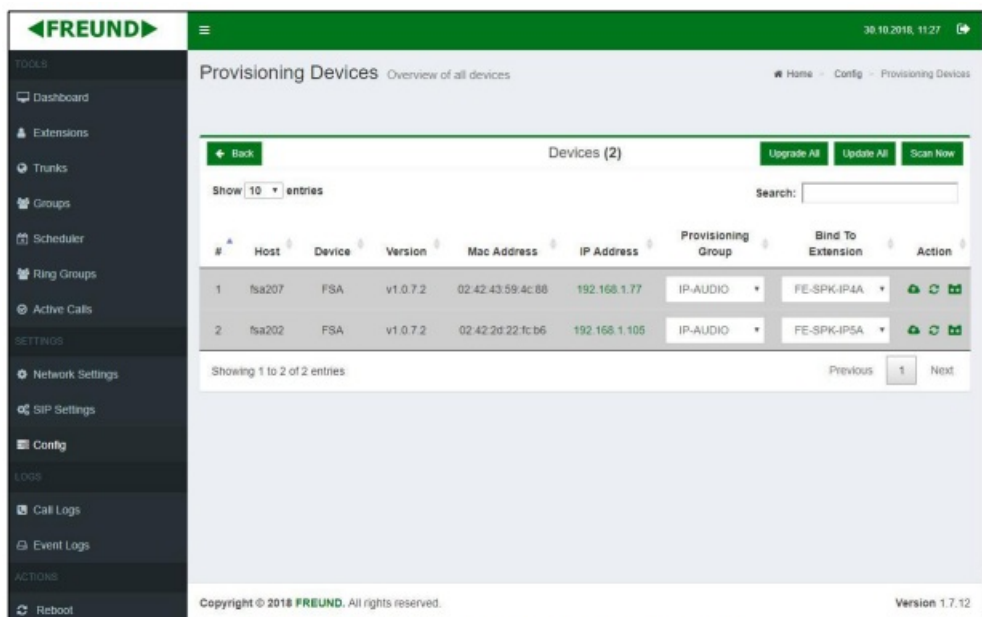


FE-CUBE-PAS1 BACK VIEW

- 1x RJ 45 Ethernet – Used to establish network communication
- 1x USB 2.0

Product Setup

Upon extracting the device from the package, plug in the network cable into RJ 45 ethernet port. Plug in the micro-USB type power adapter into the OTG port (See device IO). When the device is powered 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.

Log in and Homepage

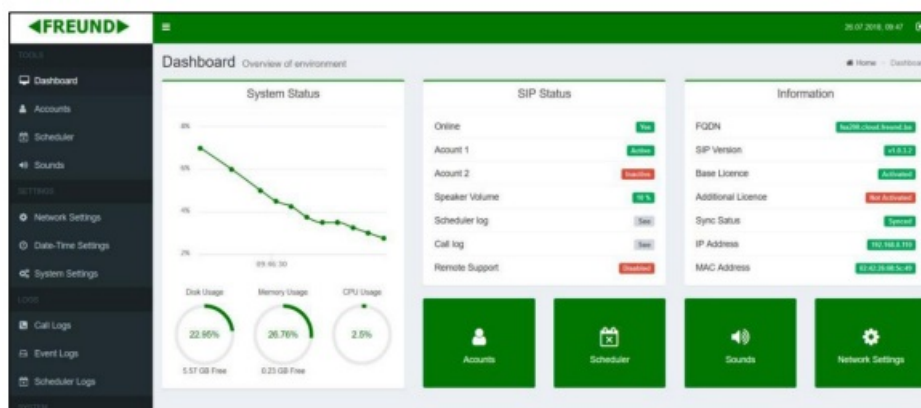
The IP address for FREUND AUDIO server is given by the DHCP. Upon accessing the web interface, user will be prompted to enter a username and password. Default values are “admin” for both fields.

After clicking the Submit button, the Homepage will open.

DEVICE LOGIN

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

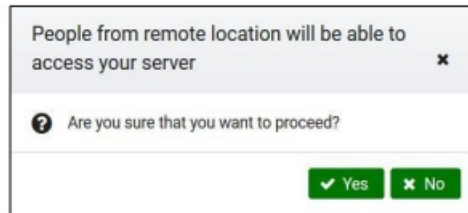
Menu

Tools

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

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

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.

 The image shows a web interface for configuring SIP accounts. The title is "Accounts" with a subtitle "Overview of sip accounts". There are navigation links "Home" and "Account Settings". The main content area is divided into two columns for "Account 1" and "Account 2". Each column has a "Name" field (with "Speaker IP2" for Account 1), an "Authentication Info" section with "Username" and "Password" fields (with "300" and "w6hs27v9" for Account 1), and a "Server Info" section with "Host" and "Port" fields (with "192.168.200.250" and "4060" for Account 1). Below these is a "Codecs" section with checkboxes for "Gsm", "Alaw", "Ulaw", "G722", and "G729". A green "Save Changes" button is at the bottom.

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.

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.

Schedule EventNew Event

HomeSchedulerNew Event

Back

New Event

Name

Start Date

Expire Date (optional)

Days

WorkdaysWeekendAll

Monday

Tuesday

Wednesday

Thursday

Friday

Saturday

Sunday

Ring Times

Add Ring TimeBulk AddClear Ring Times

Ring Time 1

Ring Tone

Upload Ring Tone

Select Ring Tone

Number of Repeats

1

Enable

Cancel

Save Changes

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

SoundsOverview of all sounds

HomeSounds

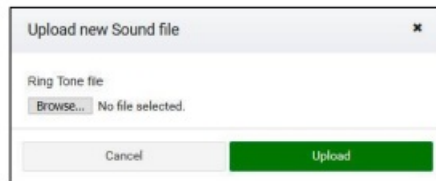
Upload new Sound

Name	Uploaded Time	Uploaded Date	Actions
y2mate.com_-_azra_marina_emifive05a.mp3	3:52PM	24.07.2018	<a>▶ <a>⏮ <a>⏭
y2mate.com_-_tuli_tulli_re_bojin_se_drogova_lvoga_fajera_vdyteizw4pc.mp3	3:49PM	24.07.2018	<a>▶ <a>⏮ <a>⏭
smooth_criminal.mp3	11:36AM	24.07.2018	<a>▶ <a>⏮ <a>⏭
dirty_diana.mp3	11:34AM	24.07.2018	<a>▶ <a>⏮ <a>⏭




SOUNDS SECTION

Sounds

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



UPLOAD NEW SOUND FILE

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

Settings

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

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

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 Time Settings

Date
23.11.2021

Time
14:15:49

☒ NTP

NTP Server 1
192.168.200.130

NTP Server 2
1.europe.pool.ntp.org

NTP Server 3
1.europe.pool.ntp.org

Europe/Andorra | +01:00

Save Changes

DATE AND TIME SETTINGS

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.
- Button DTMF – Gives button DTMF function during call (if one button is used for making a call, second button is used as DTMF button).
- Dial Extension – Upon pressing the button, the device will dial the entered extension number (Only for SMOD and DMOD)
- Dial Extension 2 – 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.
- Play On Button – Enable or Disable sound file reproduction upon button press**.
- Randomly Play On Button – Play a random audio file (If there are files selected).
- Select Button to Play On – Decide which button will reproduce a sound file (If more than one button exists on a device).
- Files To Play On – Select files to be reproduced.

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

*Available only on audio device with two button switches.

**Available only on FREUND speaker with built-in buttons or audio device with a button switch.

System Settings

Sounds Volume: 17 %

Voice Volume: 25 %

Microphone Volume: 90 %

Microphone boost

24dB

✓

Echo Cancel

Echo Cancel Fallrate

1.0

Echo Cancel Threshold (100 - 32000)

1000

Alarm Sound File

emergency_alarm.mp3

Button 2 DTMF

8

Mute

No Audio Capture

Silence Suppression

✓

Autoanswer

Silence Threshold

1000

Dial Extension

100

Sync Server IP

600

Sync Interval (seconds)

600

Input Device

hw:2,0

Output Device

Default device

Paging Start Sound

Paging Stop Sound

Play On Button

✓

Enable Play On Button

Randomly Play On Button

Select Button to Play On

Button 2

Files to Play On

Select Files (2 File(s) Selected)

Save Changes

SYSTEM SETTINGS

Logs

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

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

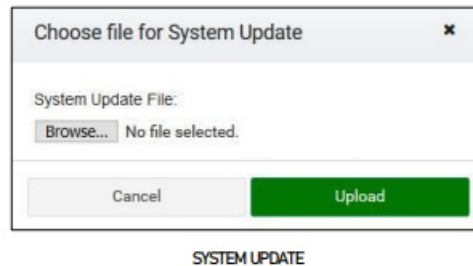
Next

CALL LOGS

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.




- 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.

FREUND ELEKTRONIKA d.o.o

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Documents / Resources

	IP-INTEGRA FE-CUBE-PAS1 Paging Audio Adapter and Scheduler [pdf] User Manual FE-CUBE-PAS1, Paging Audio Adapter and Scheduler, FE-CUBE-PAS1 Paging Audio Adapter and Scheduler, FE-CUBE-PAS1 Paging Audio Adapter and Scheduler for Transforming SIP Call to Analog Audio Signals
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References

-  [Delegated Investment Services - WTW](#)
-  [IP-INTEGRA INTERCOM solution](#)
-  [IP-INTEGRA INTERCOM solution](#)