

Application Note – Configuring multiple FREUND SIP speakers through FREUND SIP server



Introduction

In this application note we will describe how to expedite handling larger amounts of FREUND SIP speakers from the SIP server.

Step 1

Make sure SIP server and SIP speakers are all powered on (PoE or external power supply). Refer to device [user manual](#) for detailed instructions.

Step 2

Use IP-INTEGRA Network Configurator software to scan for the devices on network.

The screenshot shows the 'IP-INTEGRA Network Configuration V3.3' window with the 'Device Scan' tab selected. It displays a table of 8 detected devices, each with a 'Configure' button. Below the table are 'Scan Devices' and 'Export to CSV' buttons.

Num	IPAddr	FromMAC	Device	Hostname	Version	SystemID	NetworkSettings
1	192.168.200.118	02:42:7f:be:28:5e	FSA	fsa199	v1.1.8	5a5e257443030...	Configure
2	192.168.200.103	02:42:12:f0:f0:92	ACC	facc332/S 4D	v1.15.9	5a5e257443030...	Configure
3	192.168.200.250	b8:27:eb:34:08:5c	FSIP				Configure
4	192.168.200.111	02:81:f4:38:a4:9e	ACC	facc1338/M 4D	v1.15.9	5a5e257443030...	Configure
5	192.168.200.253	b8:27:eb:4f:8a:62	FSIP				Configure
6	192.168.200.166	02:42:97:65:60:87	ACC	facc782	v1.11.0		Configure
7	192.168.200.130	b8:27:eb:ca:90:06	FSIP				Configure
8	192.168.200.131	02:42:a0:b8:0b:a5	ACC	facc321 2D	v1.15.8	5a5e257443030...	Configure

If all the connected devices are showing up in the scan it means that we can proceed to the next step.

Step 3

In this step we will prepare extensions to which we will bind our newly connected devices.

Log into the FREUND SIP server and in the navigation menu click on “**Extensions**”. Extensions can be created **one by one** – by clicking “**Add New**” in top right corner; or we can create **multiple extensions in Bulk** – by clicking “**Show tools**” in top left corner and then selecting “**Bulk Add**”.

Fill out the fields and create enough extensions for all the devices (one device = one extension).

For more detailed explanation, refer to our [SIP server user manual](#).

☎	Unregistered	👁	100	100	****	default	default	disabled	✍️🔗🔄📄🗑️🔍
☎	Unregistered	👁	101	101	****	default	default	disabled	✍️🔗🔄📄🗑️🔍
☎	Unregistered	👁	102	102	****	default	default	disabled	✍️🔗🔄📄🗑️🔍
☎	Unregistered	👁	103	103	****	default	default	disabled	✍️🔗🔄📄🗑️🔍
☎	Unregistered	👁	104	104	****	default	default	disabled	✍️🔗🔄📄🗑️🔍
☎	Unregistered	👁	105	105	****	default	default	disabled	✍️🔗🔄📄🗑️🔍
☎	Unregistered	👁	106	106	****	default	default	disabled	✍️🔗🔄📄🗑️🔍
☎	Unregistered	👁	107	107	****	default	default	disabled	✍️🔗🔄📄🗑️🔍
☎	Unregistered	👁	108	108	****	default	default	disabled	✍️🔗🔄📄🗑️🔍
☎	Unregistered	👁	109	109	****	default	default	disabled	✍️🔗🔄📄🗑️🔍
☎	Unregistered	👁	110	110	****	default	default	disabled	✍️🔗🔄📄🗑️🔍
☎	Unregistered	👁	111	111	****	default	default	disabled	✍️🔗🔄📄🗑️🔍
☎	Unregistered	👁	112	112	****	default	default	disabled	✍️🔗🔄📄🗑️🔍
☎	Unregistered	👁	113	113	****	default	default	disabled	✍️🔗🔄📄🗑️🔍
☎	Unregistered	👁	114	114	****	default	default	disabled	✍️🔗🔄📄🗑️🔍
☎	Unregistered	👁	115	115	****	default	default	disabled	✍️🔗🔄📄🗑️🔍
☎	Unregistered	👁	116	116	****	default	default	disabled	✍️🔗🔄📄🗑️🔍

PICTURE SHOWING A LIST OF CREATED EXTENSIONS

Step 4

In step 4 comes the configuration part. For large quantities of devices, simplest way is to use the Provisioning groups. It works in a way that you configure one of these Provisioning groups and apply it to devices that require this setting.

To locate this, in the navigation menu click on **Config – Provisioning Groups – IP Audio**.

Under IP Audio tab you will find all the settings from FREUND SIP speakers.

Once it has been configured, make sure to save the changes.

Last step is to finally bind the device to its extension and send the already configured provisioning to it.

In the navigation menu click on **Config – Provisioning Devices – Scan**.

After scanning for devices, they will be listed in this page.

#	Host	Device	Version	MAC Address	IP Address	Provisioning Group	Bind To Extension	Action
1	facc321 2D	ACC	v1.15.8	02:42:a0:b8:0b:a5	192.168.200.131	<input type="text"/>	<input type="text"/>	
2	facc332	ACC	v1.15.9	02:42:12:f0:10:92	192.168.200.103	<input type="text"/>	<input type="text"/>	
3	facc1338	ACC	v1.15.9	02:81:14:38:a4:9e	192.168.200.111	<input type="text"/>	<input type="text"/>	
4	facc782	ACC	v1.11.0	02:42:97:65:60:87	192.168.200.166	<input type="text"/>	<input type="text"/>	
5		FE-IPDS-27S	27.208.3.22	0C:11:05:05:59:02	192.168.200.146	<input type="text"/>	<input type="text"/>	
6	fsa199	FSA	v1.1.8	02:42:7f:be:28:5e	192.168.200.118	default	<input type="text"/>	
7		H0SD	2.12.19.11	0c:38:3e:04:8d:8e	192.168.200.163	<input type="text"/>	<input type="text"/>	
8		FE-IPDS-20	20.208.3.207	0C:11:05:09:71:91	192.168.200.102	default	FE-IPDS-20A 300	
9		FE-IPDS-28A	28.208.1.208	0C:11:05:09:E7:D7	192.168.200.136	default	28A 28	
10		FE-IPDS-29S	29.208.1.232	0C:11:05:05:A7:B0	192.168.200.124	default	FE-IPDS-29S 303	

Showing 1 to 10 of 10 entries

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Simply **select provisioning group** and **extension** you want to bind device to and then click on **“Update Device”** in the **Action** menu on the right side.