

Introduction

This application note describes the process of adding external devices (Intercoms) to the ACC System to be used as entry points. The process is explained in detail with images and example data.

Abbreviations

ACC – IP-INTEGRA Access Control

IPDS – IP Door Station, referenced to the list below

MAC – MAC Address of a device

IP – IP Address of a device

Supported Devices

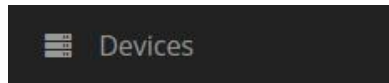
Devices that are officially supported are:

- **FE-IPDS-20***
- **FE-IPDS-26B**
- **FE-IPDS-28A**
- **FE-IPDS-29S**

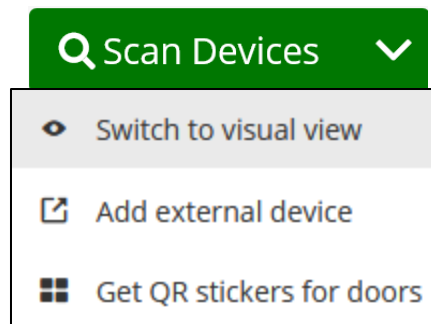
*FE-IPDS-20 includes both HW 2.0 and HW 3.0.
HW 3.0 is named FE-IPDS-20-1

Setup process

First navigate to the Devices page of our ACC Web Interface.



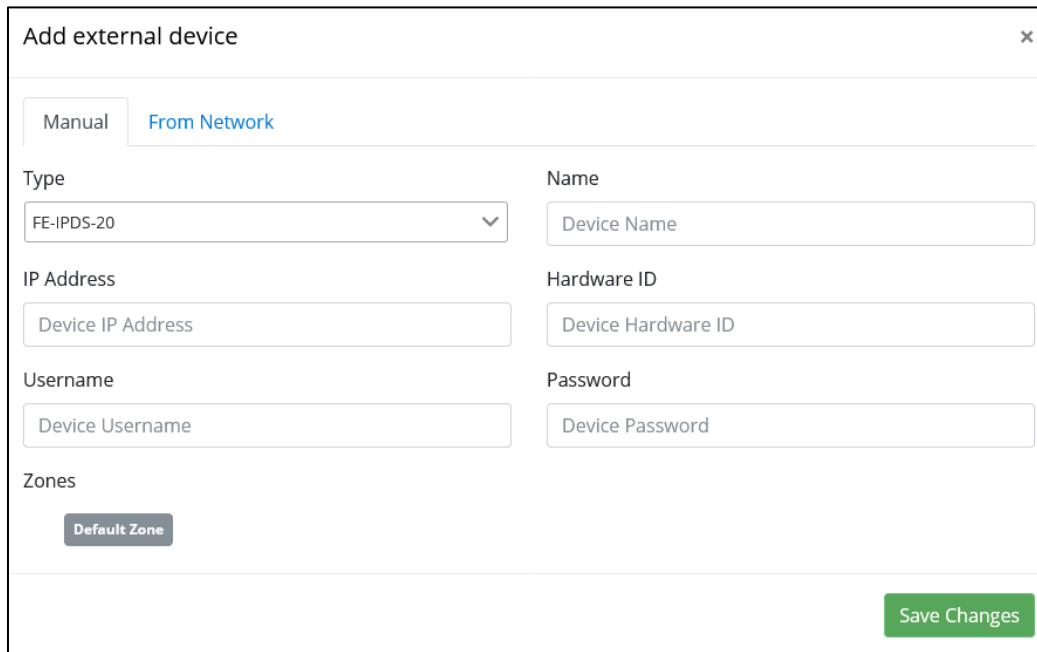
Then, click on the arrow beside the Scan Devices button. Drop down menu will open. Click on **Add External Device**.



You will be prompted to choose whether you want to add the device manually or by adding it via a network scan.

Manually adding the device

To add a device manually, the required data needs to be collected first – as shown in the picture below:



The screenshot shows a web form titled "Add external device" with a close button (X) in the top right corner. The form has two tabs: "Manual" (selected) and "From Network". Below the tabs, the form is organized into several sections:

- Type:** A dropdown menu with "FE-IPDS-20" selected.
- Name:** A text input field with the placeholder "Device Name".
- IP Address:** A text input field with the placeholder "Device IP Address".
- Hardware ID:** A text input field with the placeholder "Device Hardware ID".
- Username:** A text input field with the placeholder "Device Username".
- Password:** A text input field with the placeholder "Device Password".
- Zones:** A section containing a button labeled "Default Zone".

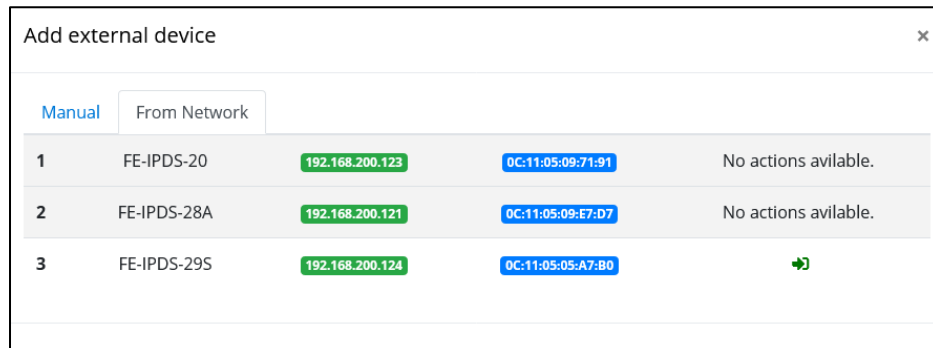
At the bottom right of the form is a green button labeled "Save Changes".

The username and password fields can, but should not be related to your system credentials. It is advised to write down the information entered here. Once all the data is filled in, you can pick a Zone for the External Device and add it (adding the zone can be done later). Once all the data has been entered, click on **Save** and **Apply** the changes.


The rest of the tutorial continues from the **Provisioning** section.

From Network

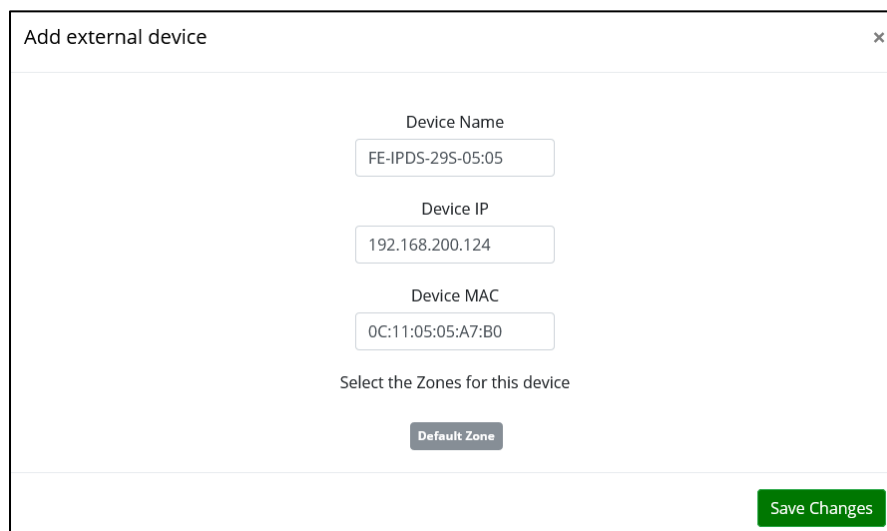
To add a device from the network, click on the **From Network** button on the top of the popup window. You will be presented with a table of suitable devices.



The screenshot shows a window titled "Add external device" with a close button (X) in the top right corner. Below the title bar are two tabs: "Manual" (highlighted in blue) and "From Network". The "From Network" tab is active, displaying a table with three rows of discovered devices. Each row contains a number, a device name, an IP address, a MAC address, and an action column.

	Device Name	IP Address	MAC Address	Action
1	FE-IPDS-20	192.168.200.123	0C:11:05:09:71:91	No actions available.
2	FE-IPDS-28A	192.168.200.121	0C:11:05:09:E7:D7	No actions available.
3	FE-IPDS-29S	192.168.200.124	0C:11:05:05:A7:B0	

Upon choosing a device from the table, we click the green arrow icon on the right side of the appropriate table row. All of the input data is taken from the device, and you will be prompted to make a change should you need it.



The screenshot shows the same "Add external device" window, but now the configuration form for the selected device (FE-IPDS-29S) is displayed. The form includes input fields for the device name, IP, and MAC, which are pre-filled with the data from the table. Below these fields is a section for selecting zones, with a "Default Zone" button. A green "Save Changes" button is located at the bottom right.

Device Name
FE-IPDS-29S-05:05

Device IP
192.168.200.124

Device MAC
0C:11:05:05:A7:B0

Select the Zones for this device
Default Zone

Save Changes

We advise picking a more suitable name that will help you distinguish the device more easily (very handy if using multiple devices of same model). Once all the data is filled in, you can pick a Zone for the External Device and add it (adding the zone can be done later). Once all the data has been entered, click on **Save** and **Apply** the changes.

The rest of the tutorial continues from the **Provisioning** section.

Provisioning

Once the changes have been saved, the device will show up in the Devices table on the **Devices** page.



To enable the external device's communication to our system, we must deliver correct configuration to it. This is done by clicking the middle icon on the far right of the table row, portrayed with an upward pointing arrow.

After few minutes, the device status will change from Offline to Online. This means device is ready to be used.

NOTE: If the device is using **DHCP** for Network mode, you will be required to modify the IP address in ACC web interface if the IP address is ever changed. This setting can be changed by clicking on **Edit external device** button marked by the pen icon.

FREUND recommends using **STATIC IP address** for devices that are linked to ACC as external devices.

Troubleshooting

1. If you cannot find the devices on the network, check their connection to the network and verify their firmware version.
2. Check if you have a valid license or space on it to add a new external device.
3. In case of manual creation, please double-check your inputs – especially the MAC/HWID, since they user can easily make a mistake here.
4. If everything is connected correctly, but access is not granted, please check the following:
 - a. Does the card exist in the system?
 - b. Is the owner of the card a member of a valid access group at that time?
 - c. Is the external device added to a proper zone?
5. Verify that your system is at least v1.10.13.