

Application Note – Configuring ACC Elevator Control Module



Depending on number of floors that are reachable by elevator we can calculate how many ACC modules we will need. Each floor uses one relay in the module.

For example: The building that wants to have ACC Elevator Control Module is a 6-story hotel(including ground floor). That means it will need 6 ACC relays. Taking in consideration that we offer two types of ACC Centrals, FE-ACC-INT2D and FE-ACC-INT4D that have 2 and 4 relays respectively, we come to a conclusion that we will need 1x FE-ACC-INT2D and 1x FE-ACC-INT4D, totaling 6 relays. The modules need to be configured in a Master – Slave Cluster.

Introduction

This application note will, as thorough as possible, explain how to configure IP-INTEGRA AC Central Elevator Control Module. It will be described using illustrations which contain example values.

To have Elevator Control Module work properly, we will have to define following things:

- User groups using the elevator
- Floors that have elevator access, and
- Time in which floors are accessible to users

Entering users, groups and cards

In order to configure and use ACC Elevator Control Module, we first need to log into the device and create User Accounts, User Groups, and assign RFID cards to them.

We will not go in detail about this in this Application Note. For that, please refer to our [IP-INTEGRA Access Control Central User Manual](#).

Creating and managing the Elevator

Open the Elevator Control Panel in the menu:

The screenshot displays the IP-INTEGRA ACCESS CONTROLLER dashboard for unit FACC334. The interface includes a sidebar menu with options like Dashboard, My Profile, Accounts, Cards, Groups, Devices, Scheduler, Elevator Control, Zones, Access Times, Access Rules, Logs, and Settings Panel. The main content area features a 'Dashboard System stats and information' section with four summary cards: Accounts (2 remaining), Cards (3 remaining), Groups (6), and Zones (1). Below these are three panels: 'SYSTEM STATUS' with a line graph showing usage over time and three circular gauges for Disk Usage (17%), Mem. Usage (43%), and CPU Usage (15%); 'SYSTEM INFO' with a table of system details; and 'LICENSE INFO' with a table of license details. The footer contains copyright information for FREUND and the version number 1.11.98.

SYSTEM INFO	
HWID	05DAFF323857424D43196331
Firmware / Hardware Version	1.20 / INT4D v1.2
MAC Address	02:42:bc:af:0a:4b
IP Address	192.168.200.161 / 77.78.204.154
Cluster Mode	Disabled
Remote Support	Disabled
Power Source	PoE
Battery Status	Not Connected

LICENSE INFO	
FQDN	facc334.cloud.freund.ba
Version	v1.11.98
Base License	Enabled
Additional License	Lic-facc334-00048
Max Accounts	∞
Max Cards	∞
Cluster System	Enabled
Cluster License ID	None

PICTURE1 - INTEGRA ACCESS CONTROL DASHBOARD

This will take us to the panel where we can add new elevators as well as manage the existing ones.

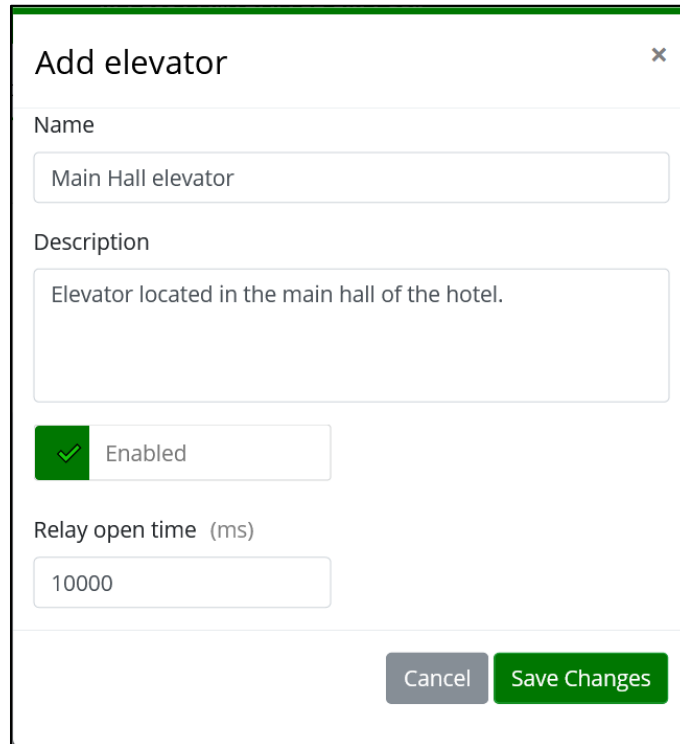
The screenshot shows the 'Elevator Control Elevator control panel'. At the top, there is a header 'Elevators' and a green 'Add new elevator' button. The main content area contains the text: 'No elevators found in system. Use the button below to create a new one.' Below this text is another green 'Add new elevator' button. The footer includes copyright information for FREUND and the version number 1.11.98.

PICTURE2 - ELEVATOR CONTROL PANEL

Click on „Add new elevator“ button and fill out the required fields.

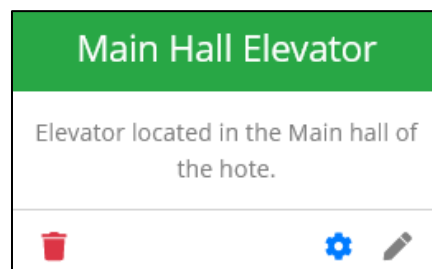
Note: „Relay open time“ field determines the time period during which user can choose the wanted floor after scanning his card.

Finally, click on „Save Changes“ button to finish adding the elevator.



PICTURE 3 – ADDING THE ELEVATOR

You Elevator Control Panel should show the added elevator:



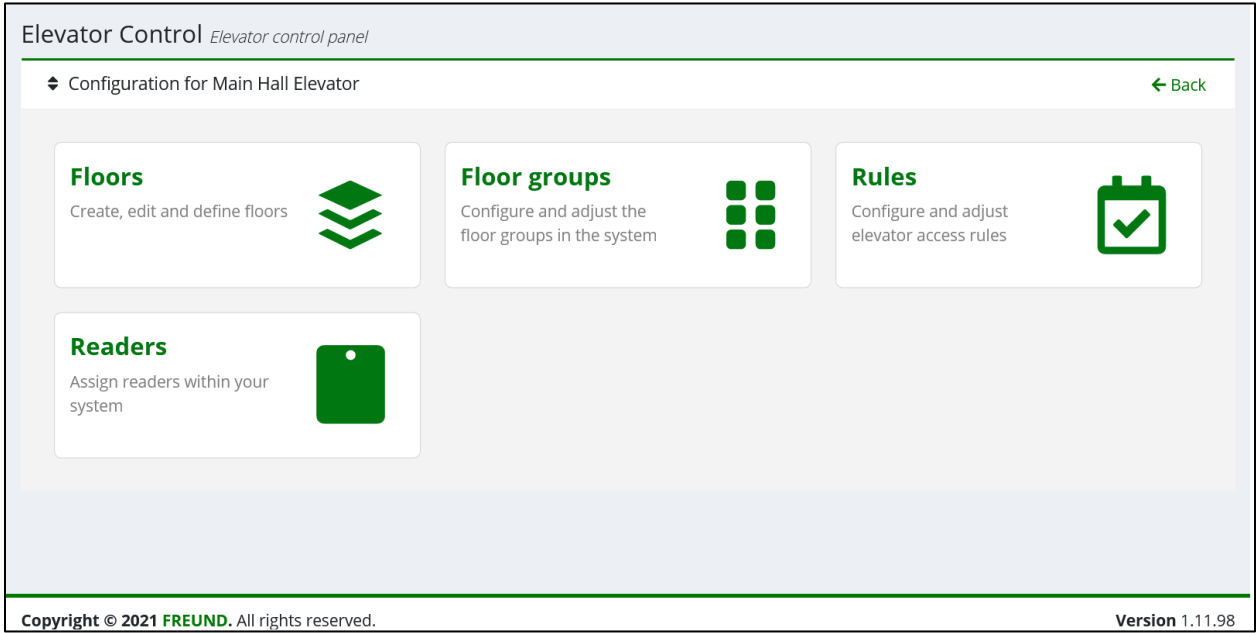
PICTURE 4 – ELEVATOR DISPLAYED IN THE PANEL

Following icons allow you to Delete, Configure or Edit the elevator, respectively:



Since we want to configure the Elevator, go ahead and click on the blue wheel.

Following screen will show:



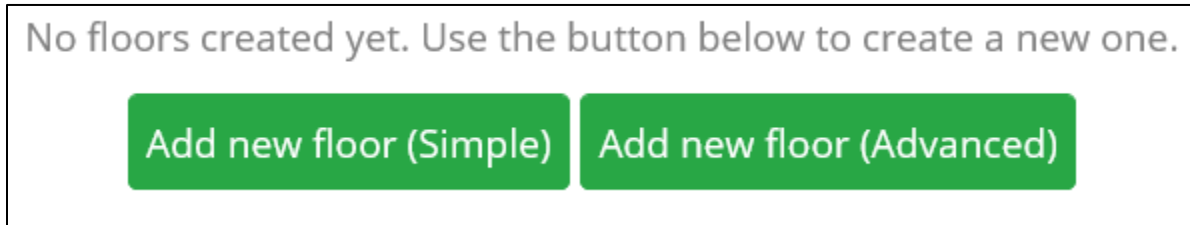
PICTURE 5 – ELEVATOR CONFIGURATION

As you can see, we have 4 buttons appearing in front of us. These allow us to define which user groups can go to which floor and at what time.

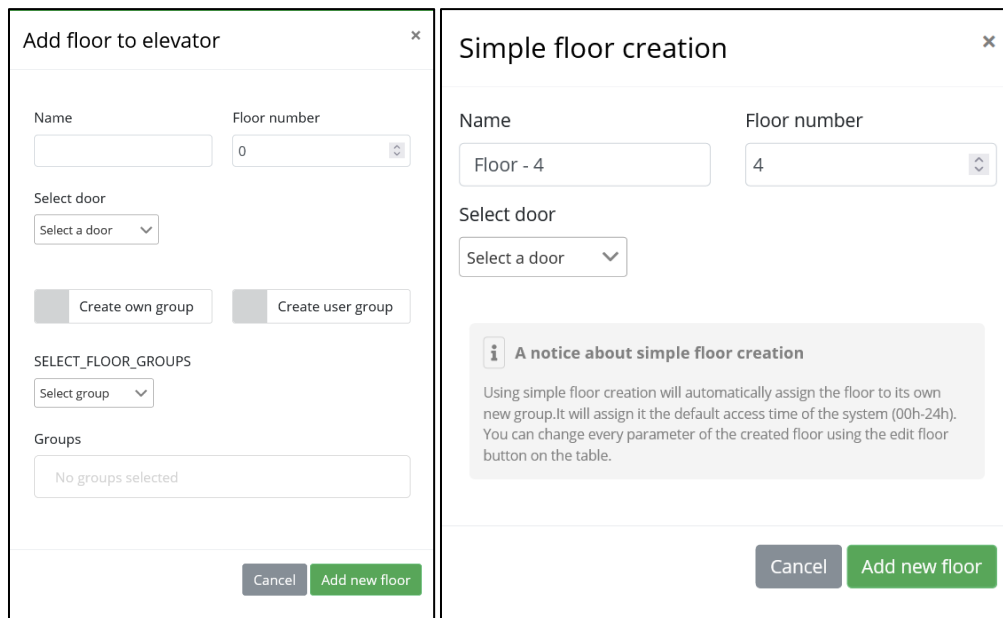
Adding floors

So lets start with Elevator configuration.

Click on Floors button. Following should appear:



PICTURE 6 – WAYS TO ADD NEW FLOOR



PICTURES 7 & 8 – DIFFERENT WAYS OF ADDING FLOORS

As you can see, we have two ways to add the new floor. Using simple floor creation will automatically assign the floor to its own new group. It will assign to it the default access time of the system (00h-24h). You can change every parameter of the created floor using the edit floor button on the table.

In the next picture, you can see the small hotel simulation we created as example:

#	Name	Device	Readers	Groups	Actions
1.	-1 Spa & Wellness	INT40-195331	A B	VIP+ VIP	
2.	0 Ground floor	INT40-195331	A B	Default VIP+ VIP	
3.	1 Rooms	INT40-195331	A B	Default VIP+ VIP	
4.	2 Lounge	INT40-195331	A B	VIP+	

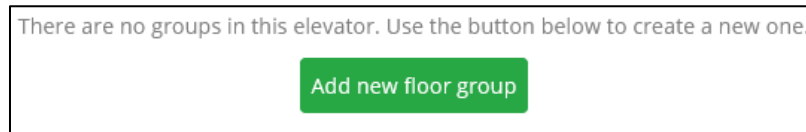
PICTURE 9 – SIMULATION OF HOTEL FLOOR CONFIGURATION

Using the following icons, the floors can be edited or deleted, respectively.

When you have added all the floors you need, click on the „Back“ button, and click on the Floor groups button (shown in Picture 5).

Adding floor groups

After following screen shows, click on „Add new floor group“ button.



PICTURE 10 – ADD NEW FLOOR GROUP BUTTON

In the following prompt, fill out the name and description of the group and click Save.

Add new group ×

Name

Description

[Save](#) [Cancel](#)

PICTURE 11 – GROUP ADDING PROMPT

In the next picture, you can see the small hotel simulation we created as example:

#	Name	Description	Floors	Actions
5.	Default		Ground floor Rooms	✎ + 🗑
7.	VIP+		Spa & Wellness Ground floor Rooms Lounge	✎ + 🗑
8.	VIP		Spa & Wellness Ground floor Rooms	✎ + 🗑

PICTURE12 – SIMULATION OF HOTEL FLOOR GROUP CONFIGURATION

You can add as many groups as you need.

Using the following icons, ✎ + 🗑 the groups can be edited, floors added, or deleted, respectively.

Clicking on the Plus icon, we can add Floors to the Floor Group. In this way, we are assigning which User Groups have access to which floor.

Edit floor group

Unassigned floors

Spa & Wellness +
Lounge +

Assigned floors

Ground floor
Rooms

Cancel Save Changes

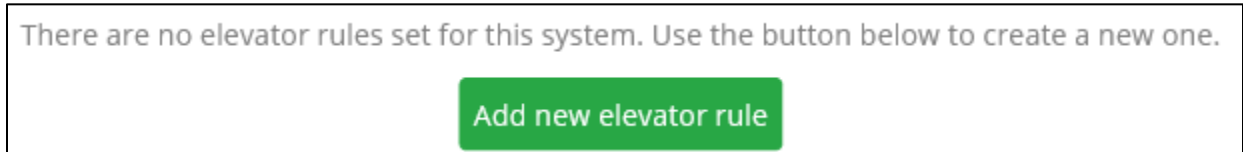
PICTURE13 – EDITING FLOOR GROUPS

Once again, process of creating User groups is described in [IP-INTEGRA ACC Manual](#).

When you have added all the floor groups you need, click on the „Back“ button, and click on the Rules button (shown in Picture 5).

Adding rules

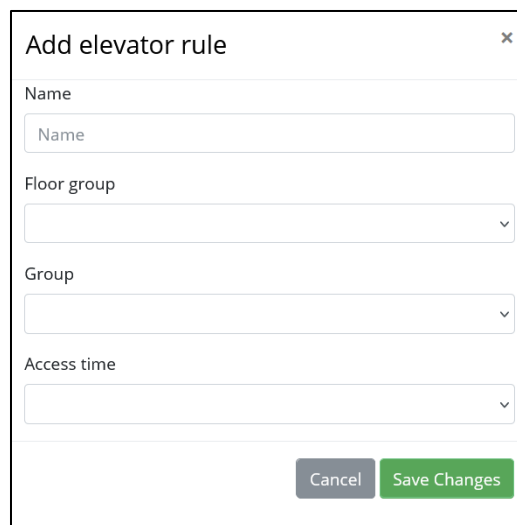
The following screen should appear:



PICTURE14 – ADD NEW ELEVATOR RULE BUTTON

Click on the „Add new elevator rule“ button and fill out the required fields.

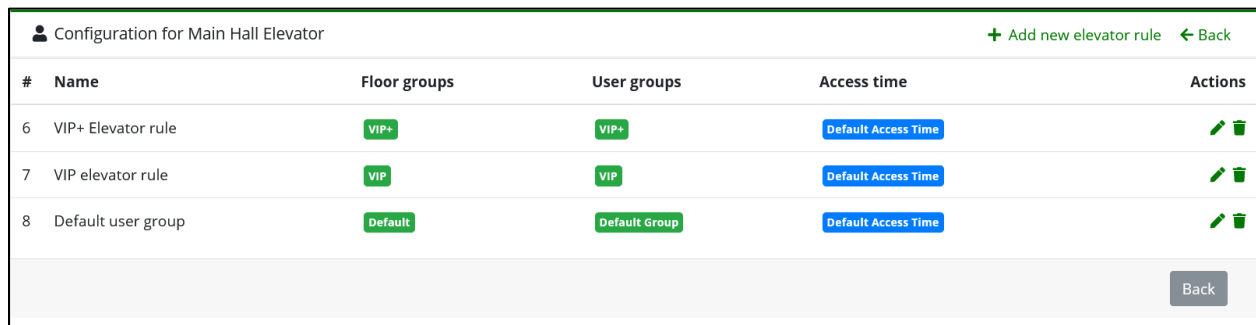
In the following screen, you can assign a User Group to the Floor Group:

A dialog box titled "Add elevator rule" with a close button (x) in the top right corner. It contains four input fields: a text field for "Name" with the placeholder "Name"; a dropdown menu for "Floor group"; a dropdown menu for "Group"; and a dropdown menu for "Access time". At the bottom right, there are two buttons: a gray "Cancel" button and a green "Save Changes" button.







PICTURE15 – RULE ADDING PROMPT

In practice, it means that you are here defining which Users have access to which floors at which time.

In the next picture, you can see the small hotel simulation we created as example:



The screenshot shows a web interface for configuring elevator rules. At the top, there is a header "Configuration for Main Hall Elevator" with a user icon on the left and "+ Add new elevator rule" and "← Back" on the right. Below the header is a table with the following columns: "#", "Name", "Floor groups", "User groups", "Access time", and "Actions".

#	Name	Floor groups	User groups	Access time	Actions
6	VIP+ Elevator rule	VIP+	VIP+	Default Access Time	 
7	VIP elevator rule	VIP	VIP	Default Access Time	 
8	Default user group	Default	Default Group	Default Access Time	 

At the bottom right of the table area, there is a "Back" button.

PICTURE16 – SIMULATION OF HOTEL RULE CONFIGURATION

For easier tracking, we have named the Floor Groups and User Groups with same names.

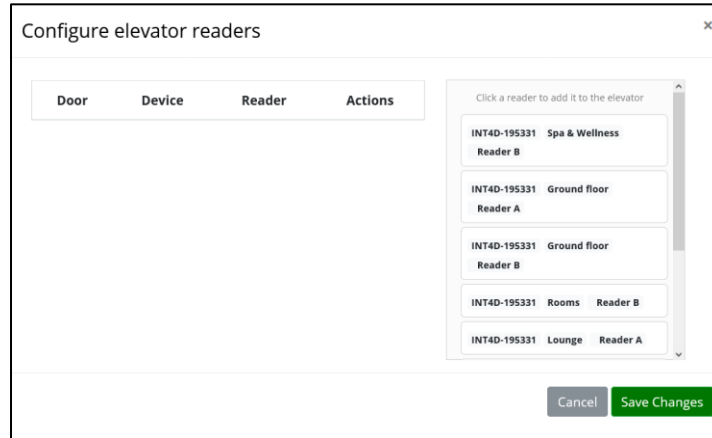
Using the following icons,   the floors can be edited or deleted, respectively.

When you have added all the rules you need, click on the „Back“ button.

Only thing left now is to assign the reader to the elevator.

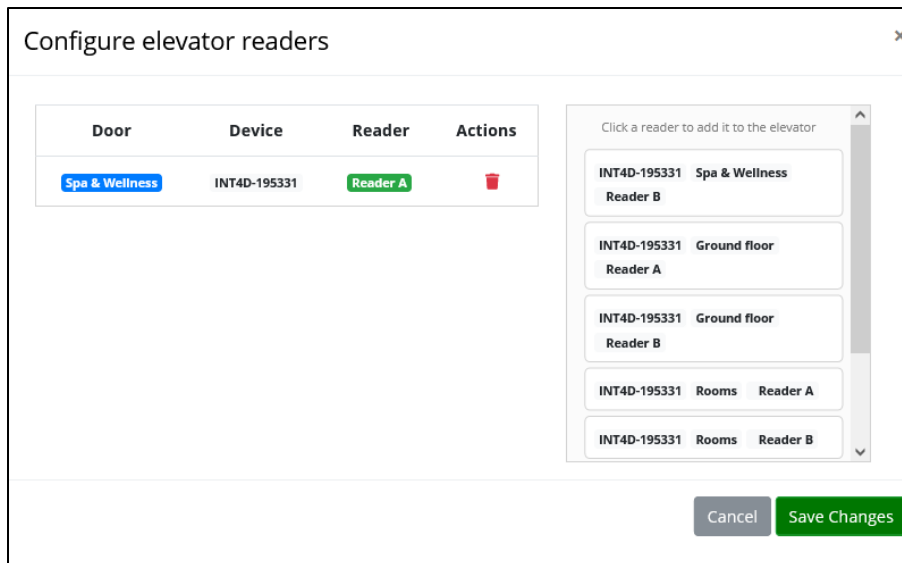
Adding readers

Click on the Readers button (shown in Picture 5).



PICTURE 17 – ADDING READER TO THE ELEVATOR

We have connected an elevator reader to the Relay 1 on the ACC module, which also contains the button for floor -1. Here is how it looks like when configured:



PICTURE 18 – CONFIGURED READER