

Application Note – Configuring ACC Relay with SIP Server



Introduction

In this application note we will describe the setup of Web Relay on IP-INTEGRA Access Controller with IP-INTEGRA SIP Server.

Use case for this option would be calling an elevator for tenants/visitors after they gain entry or turning on building lights.

Concept of this setting is we will take web relay link from IP-INTEGRA Access Controller, and we will place it in appropriate form. The result will be, in real life, when tenant scans his RFID card to gain entry, or during call with visitor presses a designated DTMF code, web relay link will be triggered, and action will be taken.

Step 1 (Picture 1)

Log in to the Controller you want to use Web Relay from.

Navigate to **Settings Panel** and click on **Web Relay Settings**.

Enable the Web Relay by ticking the **Enabled** option.

Save and Apply the changes.

A screenshot of the 'Web Relay Settings' configuration page. The page has a title bar at the top. Below it, there are several settings: a toggle switch for 'Enabled' which is currently turned on (green), a toggle switch for 'Disable Log' which is currently turned off (grey), a 'Secret' field containing the number '09871234', and four 'Relay open time for Door' fields (Door 1, Door 2, Door 3, and Door 4), each containing the value '3000'. Each time field has a small icon to its right for adjusting the value.

PICTURE 1

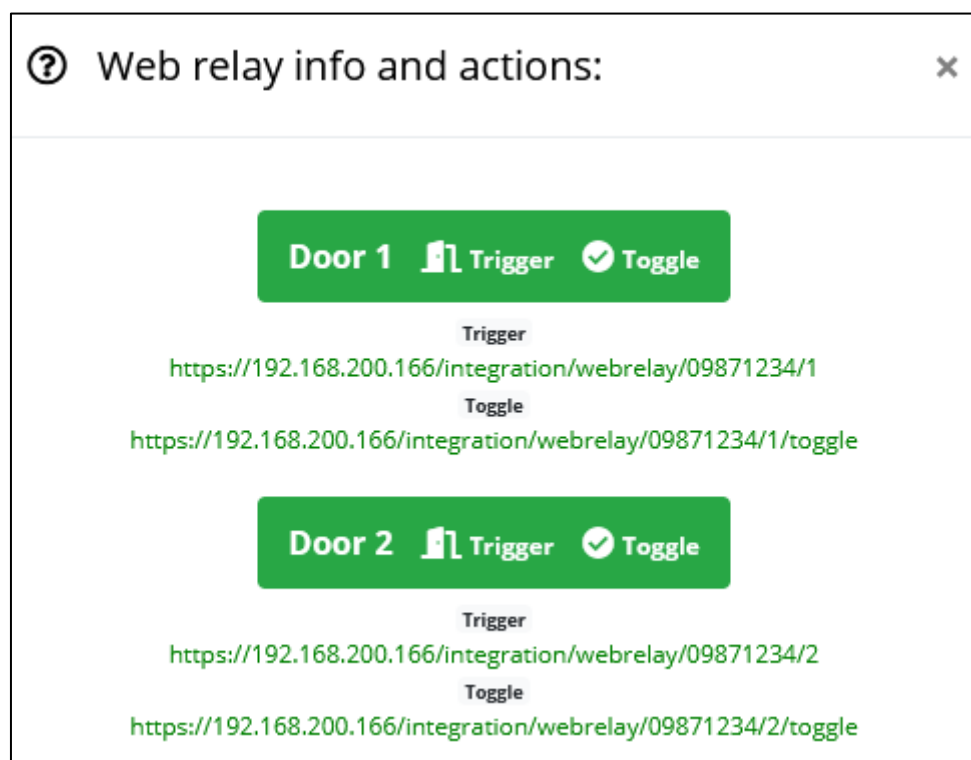
Step 2 (Picture 2)

Click on the “?” icon in the top right corner and **copy the link** of wanted relay.

NOTE: For every relay there will be two links available – **trigger** and **toggle**.

Trigger – Triggers the relay and holds it for **pre-determined amount of time**.

Toggle – First time **accessing the link will trigger and hold the relay until the link is accessed for the second time**.



PICTURE 2

Step 3 (Picture 3)

Log in to the SIP server and click on **Extensions** in the navigation menu. Find the **door station extension** you want to configure and click on **Edit** button. Then click on **Door station** tab. Enable the relay that is connected to the lock and configure name, type and DTMF code. For Web Relay Type select Other.

For this step, we need to take a closer look at the web relay link we copied.

Default template for Web Relay link is as follows:

http://[IP_address]/integration/webrelay/[secret]/[relay_number]

Example of copied Web Relay link will be:

http://192.168.200.166/integration/webrelay/09871234/4

To configure Web Relay in SIP, we need two things from the copied link:

http://192.168.200.166/integration/webrelay/09871234/4

- IP Address – 192.168.200.166
- Relay URL Parameters - integration/webrelay/09871234/4

Copy these and enter them in their respective fields in SIP server (this example is shown in Picture 3 below). **Save and Apply the changes.**

The screenshot shows the 'Door station' tab in a SIP server configuration interface. The 'Relay 1' section is active, indicated by a green checkmark. The 'DTMF Code' field is set to '8', the 'Name' field is 'Door 1', and the 'Type' is 'Door'. The 'Web Relay Type (optional) (optional)' is set to 'Other'. The 'Relay URL Parameters' field contains 'integration/webrelay/09871234/4'. The 'Web Relay IP Address' field at the bottom is set to '192.168.200.166'. Other tabs like 'Basic', 'Forwarding', 'Advanced', and 'Access Control' are visible at the top.

PICTURE 3

For more detailed explanation of this, please consult the [IP-INTEGRA SIP server user manual](#).

Step 4

In this step we will configure the controller to trigger a link when Intercom successfully authenticates RFID card/PIN Number.

Log in to the IP-INTEGRA ACC Controller web interface. In the navigation menu click on **Devices**. In the devices page, click on **Edit External Device** on the device you want to configure.

Devices <small>Overview of connected devices</small>								
Devices Q Scan Devices								
Type	Device Name	Host Name	IP Address	Cluster Info	Version	Doors	Status	Actions
>	INT4D-186119 <small>This device</small>	facc1338	192.168.200.111 77.78.204.154	ILOQ integration cluster test 362 M	v1.15.21	Door 1 Door 2 Door 3 Door 4	OK	
>	INT4D-217039	facc332	192.168.200.103 77.78.204.154	ILOQ integration cluster test 362 S	v1.15.21	Door 1 Door 2 Door 3 Door 4	OK	
>	INT4D-076113	facc763	192.168.200.121 77.78.204.154	ILOQ integration cluster test 362 S	v1.15.21	Door 1 Door 2	OK	
	FE-IPDS-29S-05:05 <small>FE-IPDS-29S</small>		192.168.200.124	EXTERNAL		FE-IPDS-29S-05:05	OK	

PICTURE 4

Following form will open:

Edit external device

Type

FE-IPDS-29S

Name

FE-IPDS-29S-05:05

IP Address

192.168.200.124

Hardware ID

0C:11:05:05:A7:B0

Username

freundadmin

Password

TVpASQmB0w

HTTP Action Enabled

Enabled

HTTP Action 1 Link

https://192.168.200.166/integration/webrelay/09871

HTTP Action 2 Link

https://192.168.200.166/integration/webrelay/09871

Save Changes

PICTURE 5

Find the **HTTP Action** field and toggle the **Enabled** button. Two fields will show up where you can enter HTTP Action link.

Paste the previously **copied link** into one of the fields. **Save and Apply the changes.**