

Application Note – Web Relay Extension

Introduction

This Application note will, in a few steps, describe how to create and set up Web Relay extension in the IP-INTEGRA SIP Server. It will be described using example values and illustrations. Web Relay extension will trigger a device web relay when it is dialed.

Step 1

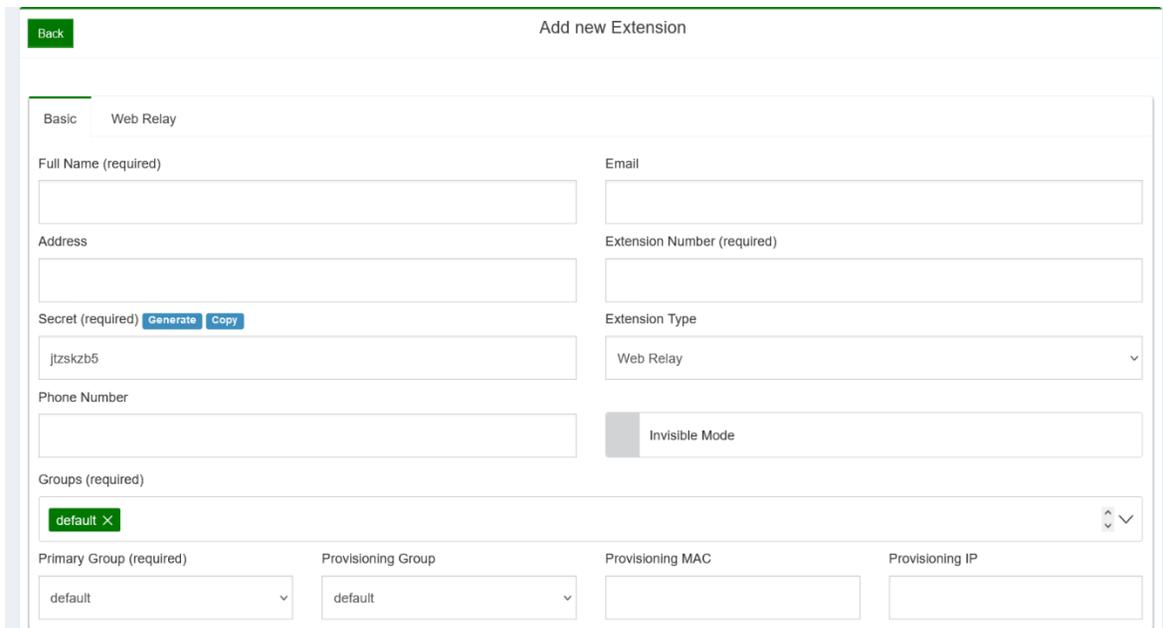
In the Web Interface of SIP Server, navigate to 'Extensions panel'.



Then, click on the 'Add new' button in the top right corner.



The following screen will appear:



The screenshot shows a web interface titled "Add new Extension". At the top left is a "Back" button. Below the title are two tabs: "Basic" and "Web Relay". The form contains several input fields and dropdown menus:

- Full Name (required): Text input field.
- Email: Text input field.
- Address: Text input field.
- Extension Number (required): Text input field.
- Secret (required): Text input field with "Generate" and "Copy" buttons. Example value: "jtzskzb5".
- Extension Type: Dropdown menu with "Web Relay" selected.
- Phone Number: Text input field.
- Invisible Mode: Toggle switch.
- Groups (required): Dropdown menu with "default" selected.
- Primary Group (required): Dropdown menu with "default" selected.
- Provisioning Group: Dropdown menu with "default" selected.
- Provisioning MAC: Text input field.
- Provisioning IP: Text input field.

PICTURE – ADDING NEW EXTENSION

Here, we need to fill out the required information: Full Name, Extension Number, and **under Extension Type we need to select Web Relay**.

Step 2



The screenshot shows a configuration interface with two tabs: 'Basic' and 'Web Relay'. The 'Web Relay' tab is active. Below the tabs, there are two main sections. The first section has a 'Type' dropdown menu set to 'Default' and a 'URL' text input field containing the URL: 'http://192.168.200.124/fcgi/do?action=OpenDoor&UserName=freundadmin&Password=vejVQtkMXa&DoorNum=1'. The second section contains a 'Disable call' button.

Click on the **Web Relay** tab.

Fill out the URL field with the correct Web Relay URL.

URL template for FREUND intercoms:

[http://\[Device-IP\]/fcgi/do?action=OpenDoor&UserName=\[Username\]&Password=\[Password\]&DoorNum=1](http://[Device-IP]/fcgi/do?action=OpenDoor&UserName=[Username]&Password=[Password]&DoorNum=1)

Change **Device-IP** with the correct IP address of device, and same for **Username** and **Password**.

Click 'Save'.

Created extension will show up in the 'Extensions' panel.

NOTE: Username and Password for IP-INTEGRA intercoms are updated through a provisioning group by default.

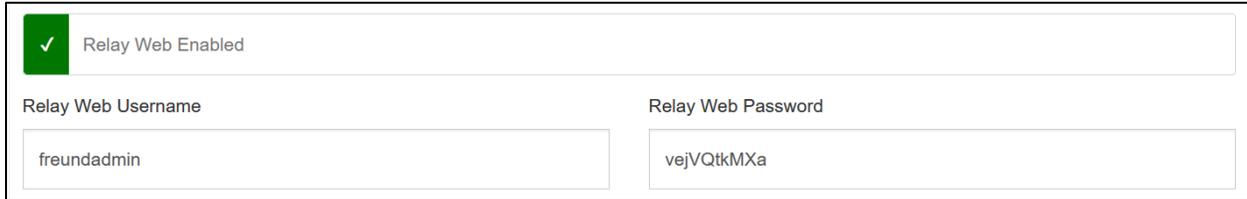
Configuring the Web Relay Username and Password

We can configure Username and Password for IP-INTEGRA intercoms in two ways:

- Through Provisioning Group
- Manually by logging into the intercom

Configure Username and password through Provisioning Group

To change username and password, navigate to **Config – Provisioning Groups – Edit Group** and locate **Web Relay** setting shown in picture below:



Relay Web Enabled

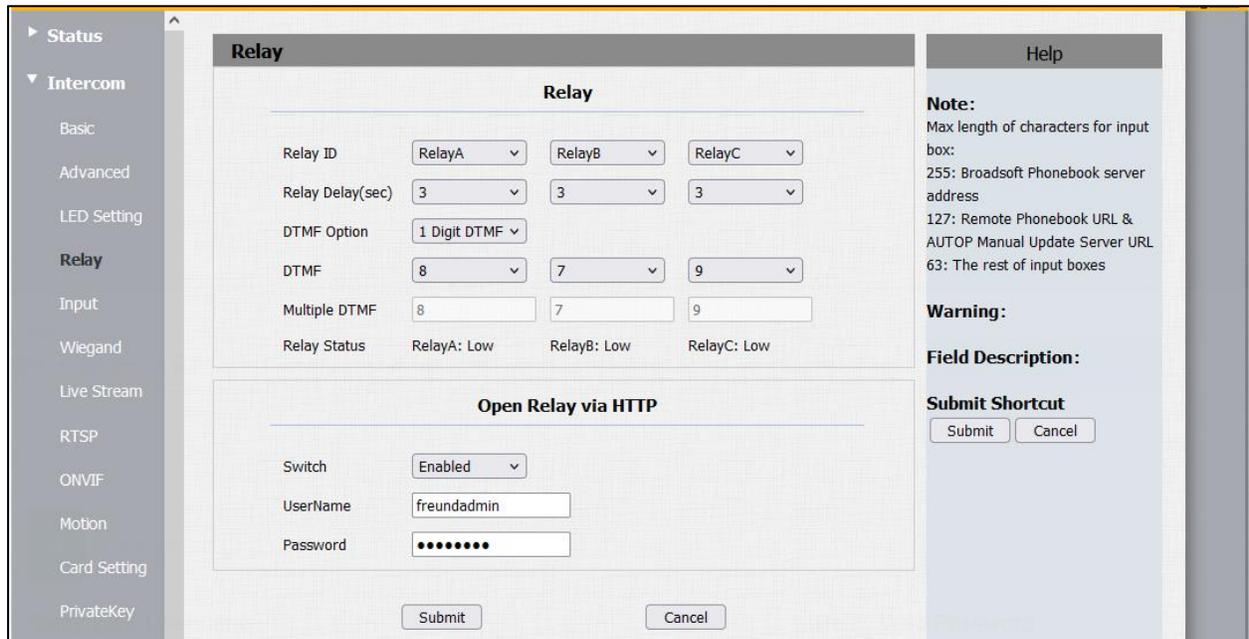
Relay Web Username: freundadmin

Relay Web Password: vejVQtkMXa

PICTURE – WEB RELAY CREDENTIALS

Configure Username and password manually through Intercom Interface

1. Log into the Intercom Web Interface
2. Navigate to **Intercom – Relay**
3. Under „**Open Relay via HTTP**“ configure **Username** and **Password** to match the Web Relay Extension Username and Password.



Relay

Relay ID: RelayA, RelayB, RelayC

Relay Delay(sec): 3, 3, 3

DTMF Option: 1 Digit DTMF

DTMF: 8, 7, 9

Multiple DTMF: 8, 7, 9

Relay Status: RelayA: Low, RelayB: Low, RelayC: Low

Open Relay via HTTP

Switch: Enabled

UserName: freundadmin

Password:

Submit, Cancel

Help

Note:
Max length of characters for input box:
255: Broadsoft Phonebook server address
127: Remote Phonebook URL & AUTOP Manual Update Server URL
63: The rest of input boxes

Warning:

Field Description:

Submit Shortcut
Submit, Cancel

PICTURE – WEB RELAY CREDENTIALS

USE CASE SCENARIO – Doctor Function

Here will we present an example on how to combine WEB-relay and forward by day/time in order to create "Doctor mode" functionality. Doctor mode will ensure that all visitors calling to reception in opening hours will automatically get granted access to facilities.

In order to achieve this, we must configure the forwarding on the extension that is receiving an intercom call.

1. In the Extensions list, find the answering device and click on Edit extension.
2. Navigate to Forwarding tab
3. Enable forward and select the needed type (In our example – forward by days)
4. Configure the forwarding conditions
5. Save the change

In the picture below you can see correctly configured Forward by Days:

The screenshot displays the 'Enable Forward' configuration page. At the top, there is a green checkmark icon and the text 'Enable Forward'. Below this, the 'Forward type' is set to 'Forward by Days'. The main configuration area is a table with columns for 'Day', 'From', 'To', and 'Extension'. The 'From' and 'To' columns include green circular icons with a white 'O' inside, indicating that the forwarding is enabled for those time periods. The 'Extension' column shows the number '16' for all days.

Day	From	To	Extension
✓ Mon	08:00	16:00	16
✓ Tue	08:00	16:00	16
✓ Wed	08:00	16:00	16
✓ Thu	08:00	16:00	16
✓ Fri	08:00	16:00	16
Sat	08:00	16:00	
Sun	08:00	16:00	