

# RAPIX COMMISSIONING 1

USING RAPIX ADDRESSING

18 MAY 2022



# COURSE PURPOSE

## *Introduction to RAPIX Commissioning.*

This will help you to understand:

- The benefits of commissioning with RAPIX
- The RAPIX Addressing Software:
  - Addressing devices
    - Mobile
  - Configuring DALI Properties
    - Groups and Scenes
    - Colour Scenes
  - Configuring RAPIX Devices
    - Sensor
    - Universal Input
    - eHub
    - Templates
      - Zones
      - Scenes
    - Advanced features
  - Tools
  - Options

## COURSE PURPOSE

### *Pre-requisites.*

It is recommended that you have already completed:

- DALI Basics;
- RAPIX Introduction.

# INTRODUCTION

WHY RAPIX ADDRESSING IS NEEDED



# TRADITIONAL DALI COMMISSIONING

- Each DALI Line and device is configured separately
  - Not done as a complete system;
  - Very time consuming, difficult and error-prone.
- Tools are quite basic
  - Sometimes multiple tools are required.
- Control mainly using DALI Groups and Scenes.
- Special devices are required to join lines together
  - Mapping between the DALI Lines is time consuming and difficult.

# RAPIX COMMISSIONING

- With RAPIX Addressing
  - The system is commissioned as a whole.
- With **RAPIX Integrator**, multiple DALI Lines can be worked on at once
  - Working across multiple DALI Lines is simple.
- The software has been carefully designed to make commissioning
  - Intuitive;
  - Simple;
  - Fast;
  - Flexible.

## RAPIX COMMISSIONING

- To set the addresses of 64 devices on a DALI Line:
  - Traditional approach, 1 person: 2 – 2.5 hours
  - Traditional approach, 2 people: 1.5 – 2 hours
  - RAPIX, 1 person: 45 minutes or less.
- If you have a large building with dozens of DALI Lines, this shortened time saves money!

# OVERVIEW

HOW SITES ARE COMMISSIONED





# OVERVIEW

How sites are commissioned

- There are many work-flows:
  - Ad-hoc;
  - Pre-programmed devices;
  - Off-site Commissioning;
  - Combinations of these techniques.
- It is mostly personal preference.
- RAPIX supports all work-flows.

## HOW SITES ARE COMMISSIONED

Ad-hoc

1. DALI Devices are given random addresses.
2. User configures devices as they are installed
  - Usually groups of devices
  - Details of how things were configured are written down (hopefully).

**This approach is “make up the address as you go”.**

**Needs good record-keeping as the work is performed.**

## HOW SITES ARE COMMISSIONED

### Pre-programmed Devices

1. A site plan shows the DALI devices and their addresses.
2. DALI Devices are configured off-site and labelled
  - This can be done before the site is available.
3. DALI Devices are installed in the correct location as each area becomes available
  - Can be done with relatively unskilled labour.

**This is a good approach if there is not much time for commissioning.**

**This approach needs a lot of planning, unbox product to configure, and careful labelling.**

# HOW SITES ARE COMMISSIONED

## Off-line Commissioning

1. A site plan shows the DALI devices and their addresses.
2. All devices are configured in the database to match the plan
  - No physical devices required
  - This can be done before the site is available.
3. DALI Devices are installed in the site
  - Can be done with relatively unskilled labour.
4. Configuration is transferred from the database to the physical devices
  - Only takes a few minutes for a whole site.

**This is a good approach if there is not much time for commissioning.**

# RUNNING THE SOFTWARE

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## RUNNING THE SOFTWARE

- Minimum recommended requirements:
  - Processor: Intel Core i5 or higher
  - Memory: 4 GB
  - Hard Disk: 1 GB free
  - Ports: 1 x USB 2.0 port
  - Operating System: Microsoft Windows 7 or higher
  - Microsoft .NET Framework: Version 4.0 or above (bundled with RAPIX Addressing)

Download from <https://www.diginet.net.au/rapix-addressing/>

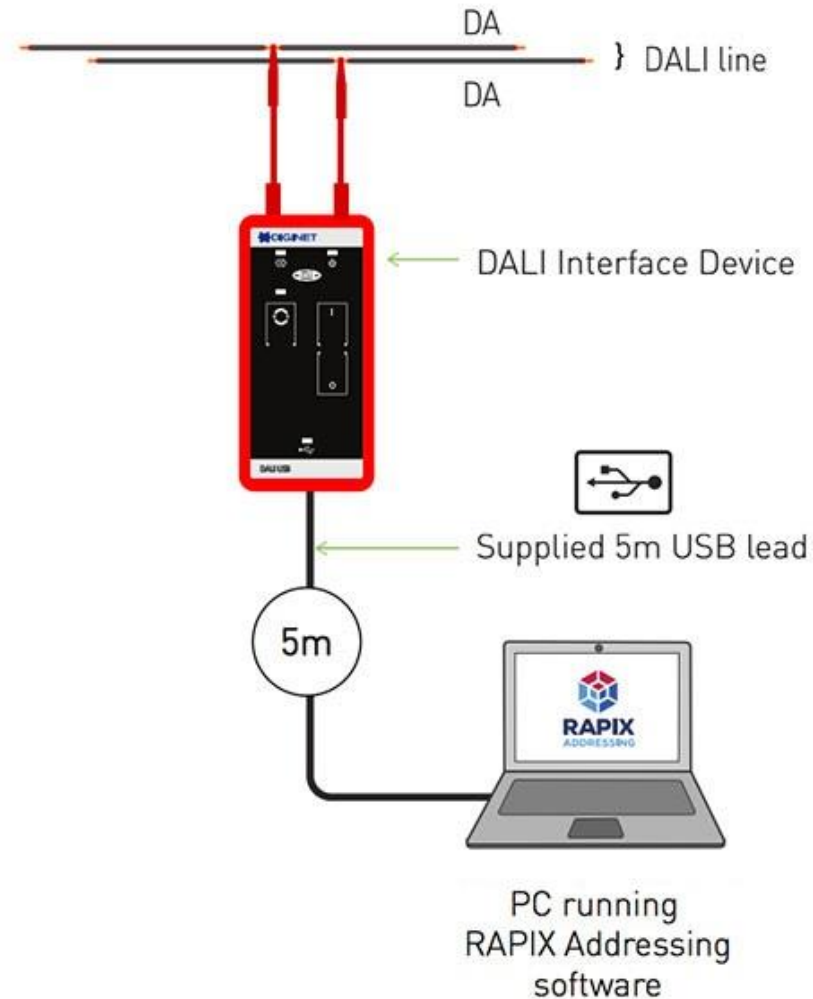
# CONNECTING TO DALI



# CONNECTING TO DALI

## Connecting with USB Interface

- Connect to each DALI Line in turn.
- Does not need infrastructure installed:
  - **Not Required:** Zone Controllers.
  - **Not Required:** Ethernet switches.





# CREATING A PROJECT



# CREATING A PROJECT

- What is a “Project”?
  - A RAPIX Project is a database which stores:
    - Project details;
    - Device details;
    - Names.
  - Saving the project is optional.
- Why is a Project needed?
  - Allows off-site commissioning;
  - Names make commissioning much easier;
  - Allows review of site configuration off-site.

## CREATING A PROJECT

1. Connect computer to a DALI Line.
2. Run RAPIX Addressing.
3. Click **New** button.
4. The DALI Line will be automatically scanned.

# INITIAL SCAN

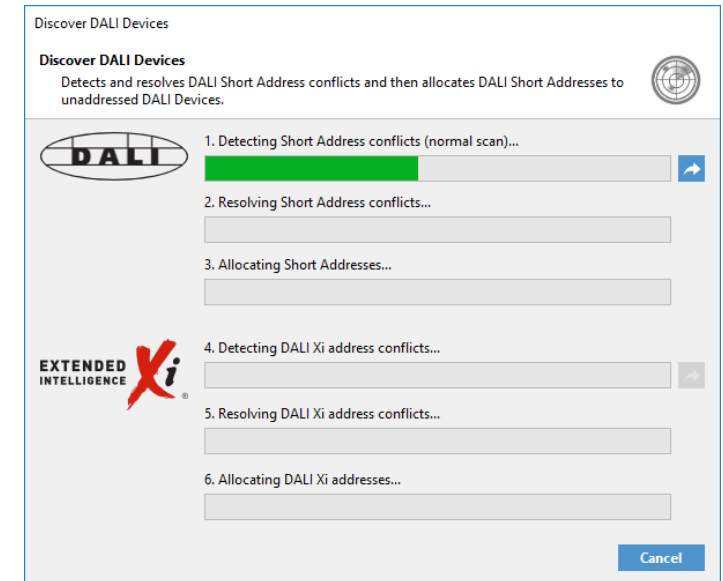
WHAT IS RAPIX DOING?



# INITIAL SCAN

When RAPIX Addressing is connected to a DALI Line:

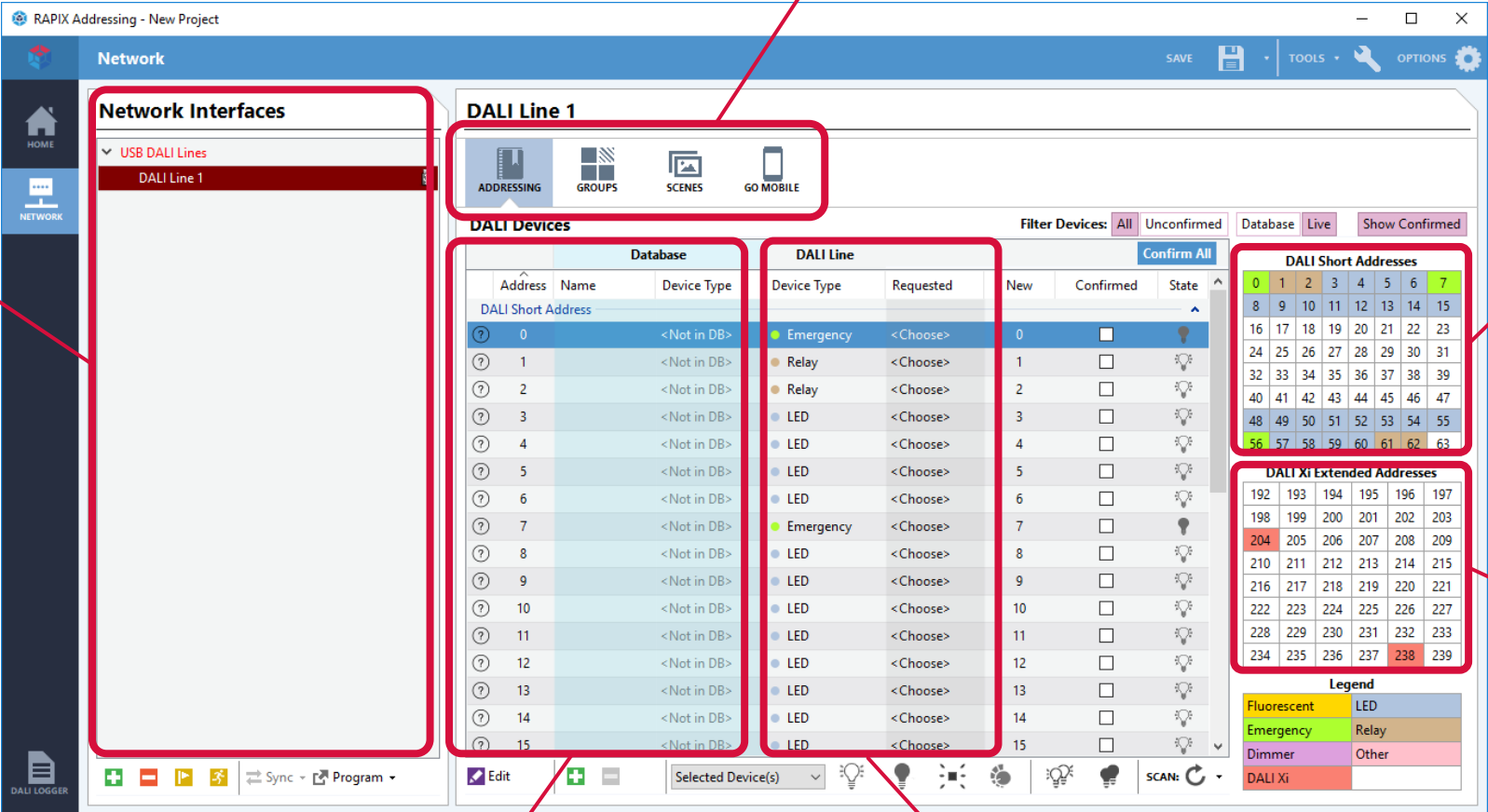
1. Finds all devices on the DALI Line.
2. Checks to see if any have no Short Address
  - Gives a random address to any device without one.
3. Checks to see if there are devices with the same Short Address
  - If necessary, changes the addresses to remove the conflict.
4. Reads device properties.



# THE USER INTERFACE

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# USER INTERFACE



**Feature Selection**

**DALI Line Selection**

**DALI Devices a.k.a. Control Gear (colour coded)**

**RAPIX Devices (Extended Addresses)**

**Devices in Database**

**Devices on DALI Line**

The screenshot shows the 'RAPIX Addressing - New Project' window. The 'Network' tab is active, showing 'USB DALI Lines' and 'DALI Line 1'. The 'DALI Line 1' section contains a 'Feature Selection' bar with icons for ADDRESSING, GROUPS, SCENES, and GO MOBILE. Below this is a 'DALI Devices' table with columns for Address, Name, Device Type, Requested, New, Confirmed, and State. The table is divided into 'Database' and 'DALI Line' sections. The 'Database' section shows a list of devices with addresses 0-15, all marked as '<Not in DB>'. The 'DALI Line' section shows a list of devices with addresses 0-15, each with a 'Device Type' (Emergency, Relay, LED) and a 'Requested' value ('<Choose>'). To the right of the table are two grids: 'DALI Short Addresses' (0-63) and 'DALI Xi Extended Addresses' (192-239). A 'Legend' at the bottom right identifies device types by color: Fluorescent (yellow), LED (blue), Emergency (green), Relay (orange), Dimmer (purple), and Other (pink). The 'DALI Short Addresses' grid shows addresses 0-63, with some addresses highlighted in different colors. The 'DALI Xi Extended Addresses' grid shows addresses 192-239, with some addresses highlighted in different colors.

# USER INTERFACE

- What is on the DALI Line?

**DALI Devices**

	Database		DALI Line
	Address	Name	Device Type
	DALI Short Address		Device Type
?	0		Emergency
?	1		Relay
?	2		Relay
?	3		LED
?	4		LED

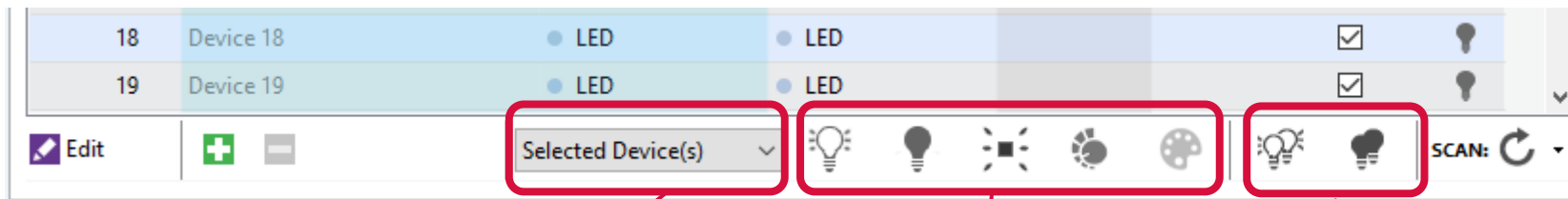
Device  
Addresses

Device  
Types



# USER INTERFACE

- What is on the DALI Line?



Can also select

- DALI Group
- DALI Scene
- Broadcast

Control

- On
- Off
- Flash
- Set Level
- Set Colour

DALI Line

- On
- Off

# ADDRESSING DEVICES

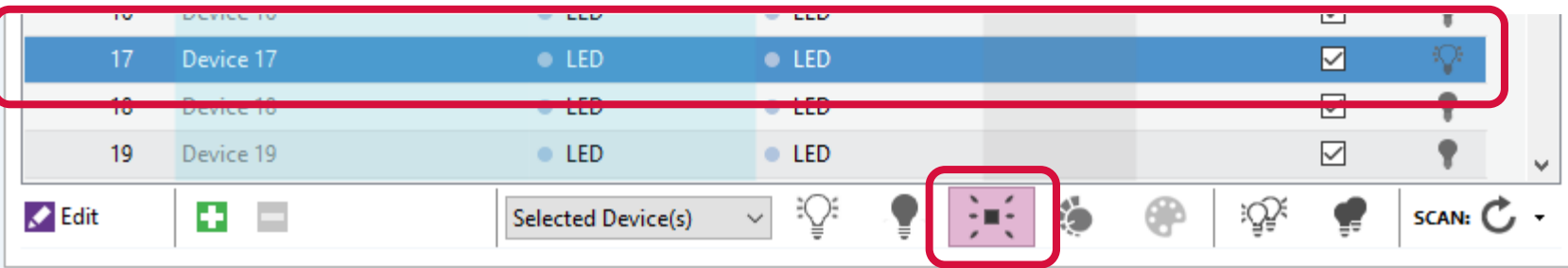


# ADDRESSING DEVICES

- DALI Devices (Control Gear) initially have a random Short Address.
- Options:
  1. Give each DALI device a known Short Address
    - Usually to match a floor plan.
    - Allows devices to be addressed in a logical order.
  2. Find the random address of each DALI Device
    - Write the address somewhere for later reference.
    - Saves a few seconds of work allocating an address.
    - Makes testing and debugging more difficult because the device addresses have no pattern.

# ADDRESSING DEVICES

Finding which devices are at which address – manual approach



The screenshot shows a software interface with a table of devices and a toolbar below it. A red box highlights the row for 'Device 17'. A red arrow points from the text '1. Select Device' to this box. Another red box highlights a button in the toolbar with a lightbulb and radiating lines. A red arrow points from the text '2. Flash Device' to this box. A third red box highlights the 'SCAN' button in the toolbar. A red arrow points from the text '3. Change Device' to this box, with a sub-note 'Can use mouse or arrow keys' and two red arrows pointing up and down.

Address	Device Name	Type	LED	Check	Flash
17	Device 17	LED	LED	<input checked="" type="checkbox"/>	
18	Device 18	LED	LED	<input checked="" type="checkbox"/>	
19	Device 19	LED	LED	<input checked="" type="checkbox"/>	

1. Select Device

2. Flash Device

3. Change Device  
Can use mouse or arrow keys  
↑ ↓

# ADDRESSING DEVICES

## Assigning address – manual approach

?	9	<Not in DB>	LED	28	9		
?	10	<Not in DB>	LED	29	10		
?	11	<Not in DB>	LED	30	11		
?	12	<Not in DB>	LED	31	12		
?	13	<Not in DB>	LED	32	13		
?	14	<Not in DB>	LED	33	14		
?	15	<Not in DB>	LED	34	15		
?	48	<Not in DB>	LED	35	48		
				36			
				<Choose>			
				<Choose>			

1. Choose correct address

?	14	<Not in DB>	LED	<Choose>	14		
	30	Device 30	LED			<input checked="" type="checkbox"/>	
?	48	<Not in DB>	LED	<Choose>	48		

2. Confirm address

# ADDRESSING DEVICES

Why confirm a device?

- Shows which devices YOU have checked.
- Tells the RAPIX software that the device is at the correct address
  - Allows further commissioning to proceed;
  - Prevents them from accidentally being re-addressed.

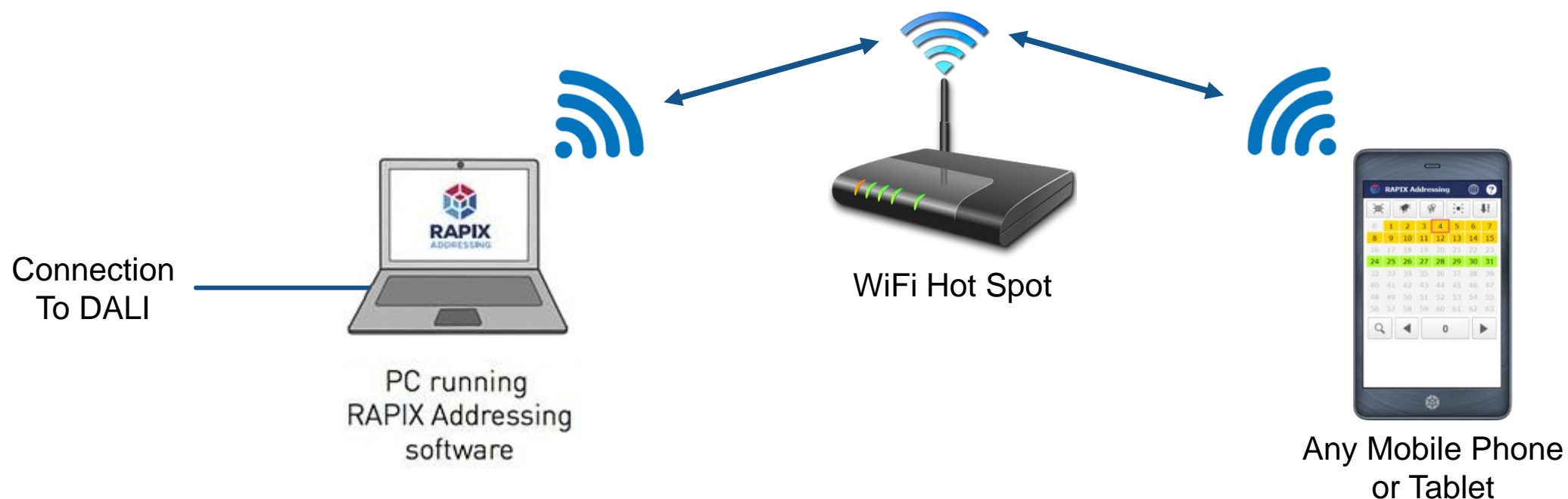
Confirmed devices are shown as black in the grid.

DAI Short Addresses

0	1	2	3	4	5	6	7
8	9	10	11	12	13	14	15
16	17	18	19	20	21	22	23
24	25	26	27	28	29	30	31
32	33	34	35	36	37	38	39
40	41	42	43	44	45	46	47
48	49	50	51	52	53	54	55
56	57	58	59	60	61	62	63

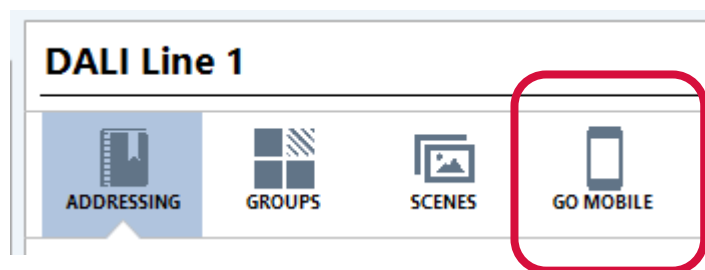
# ADDRESSING DEVICES

Set-up for using RAPID Find™

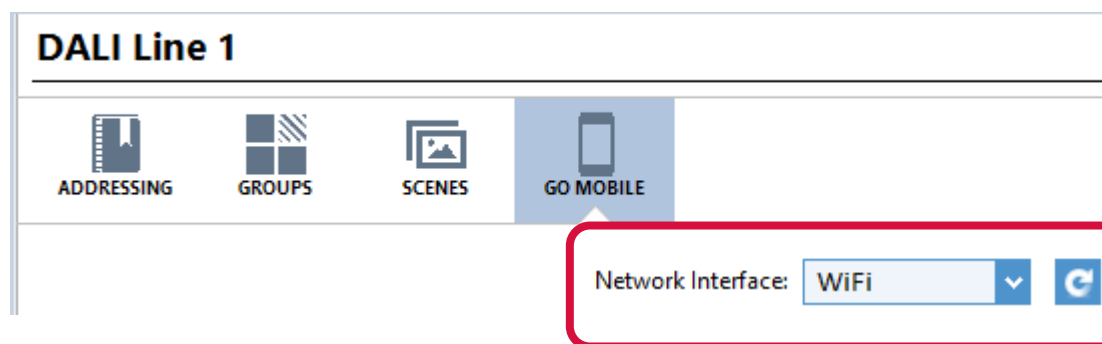


# ADDRESSING DEVICES

Connecting mobile phone



1. Select Go Mobile

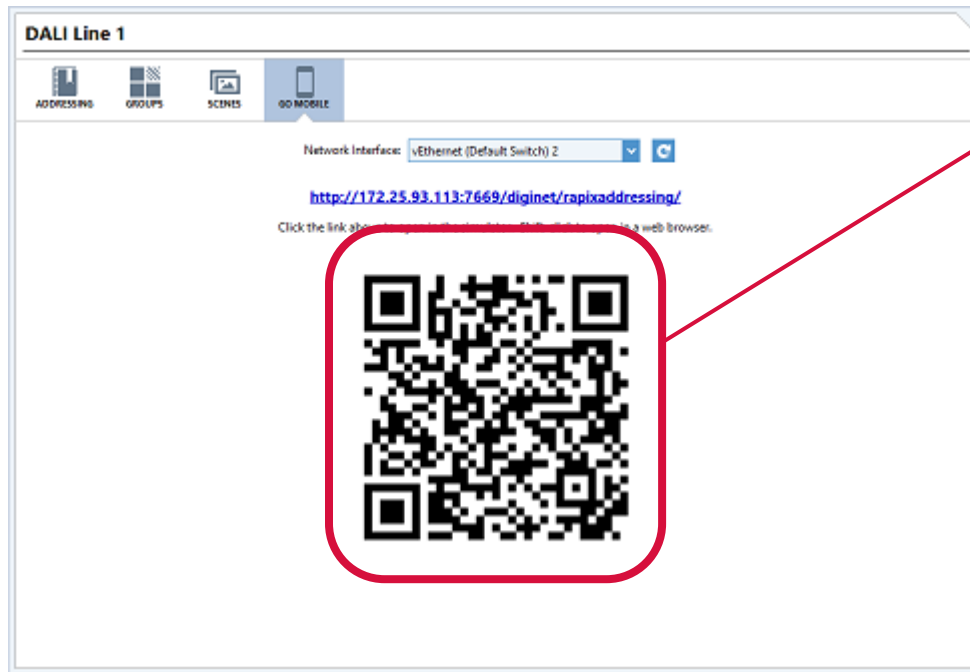


2. Change Network  
(if required)



# ADDRESSING DEVICES

Connecting mobile phone

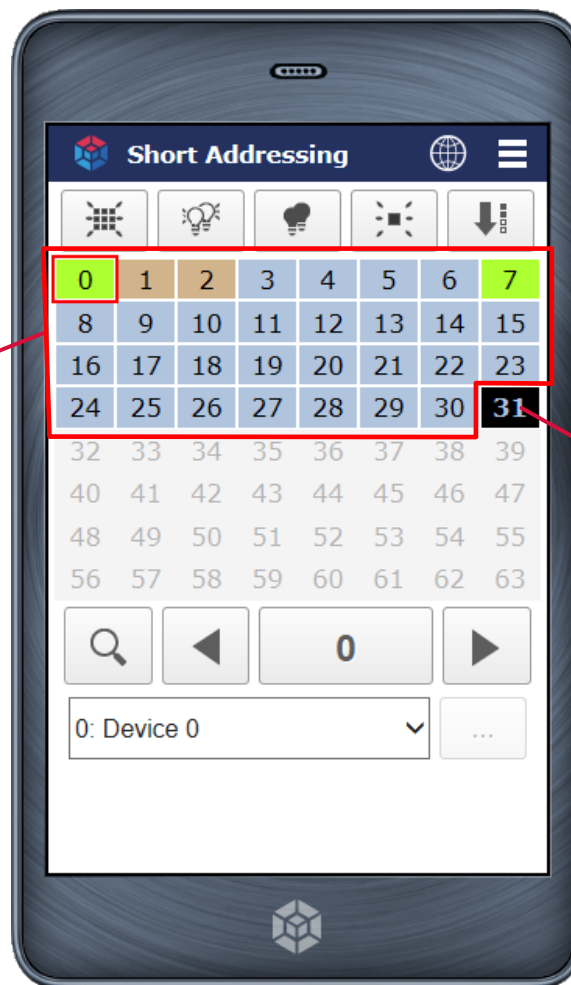


3. Scan QR Code with mobile phone

# ADDRESSING DEVICES

Using phone - manual

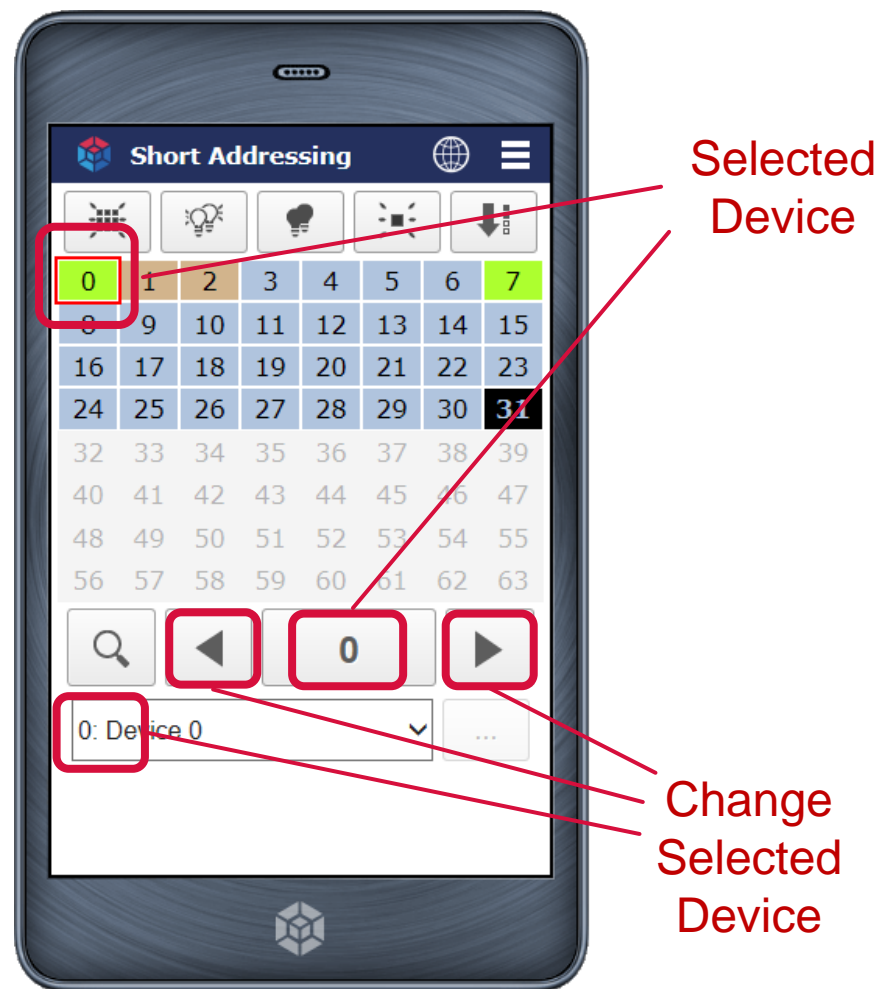
Un-confirmed  
Devices



Confirmed  
Device

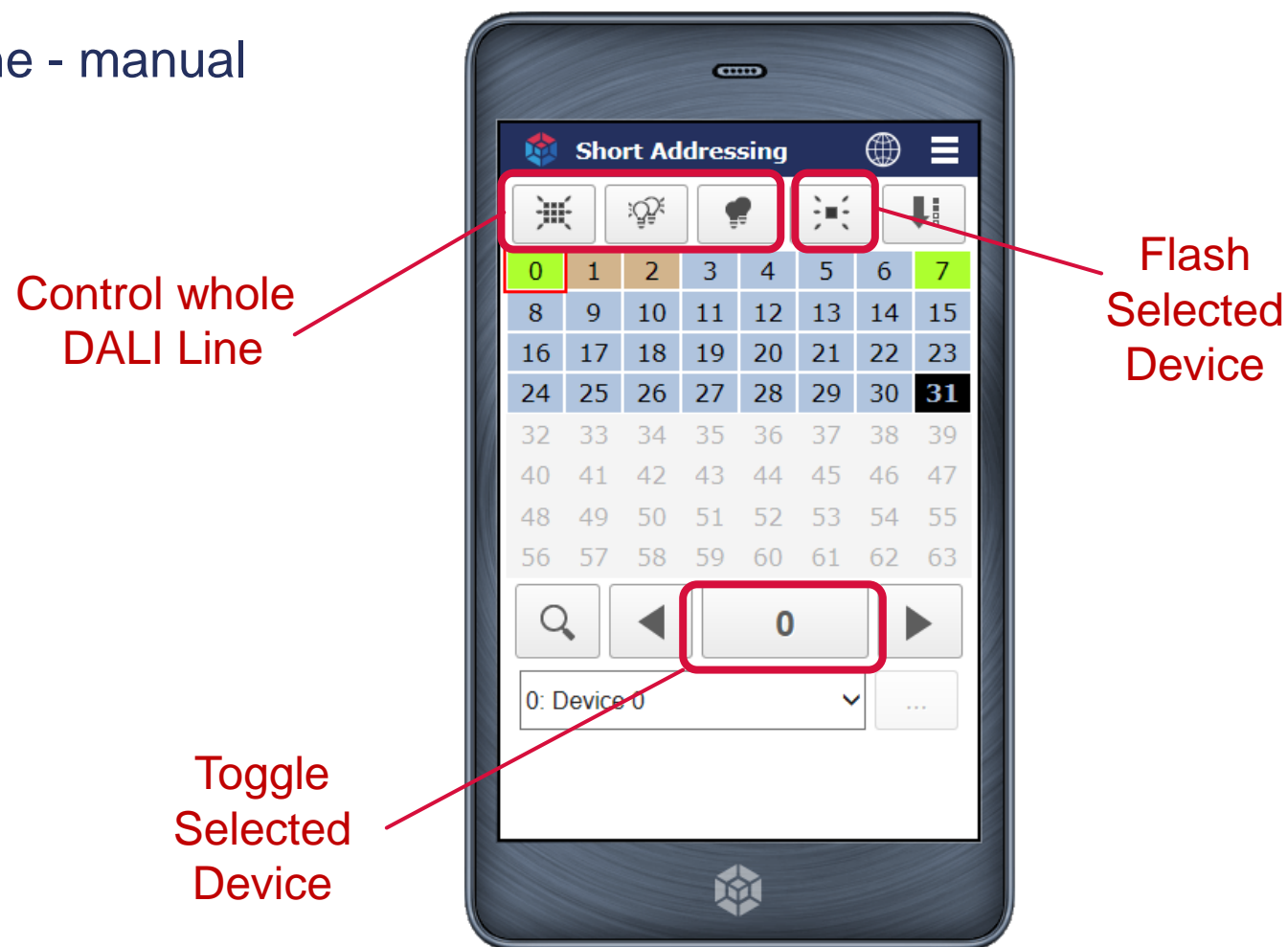
# ADDRESSING DEVICES

Using phone - manual



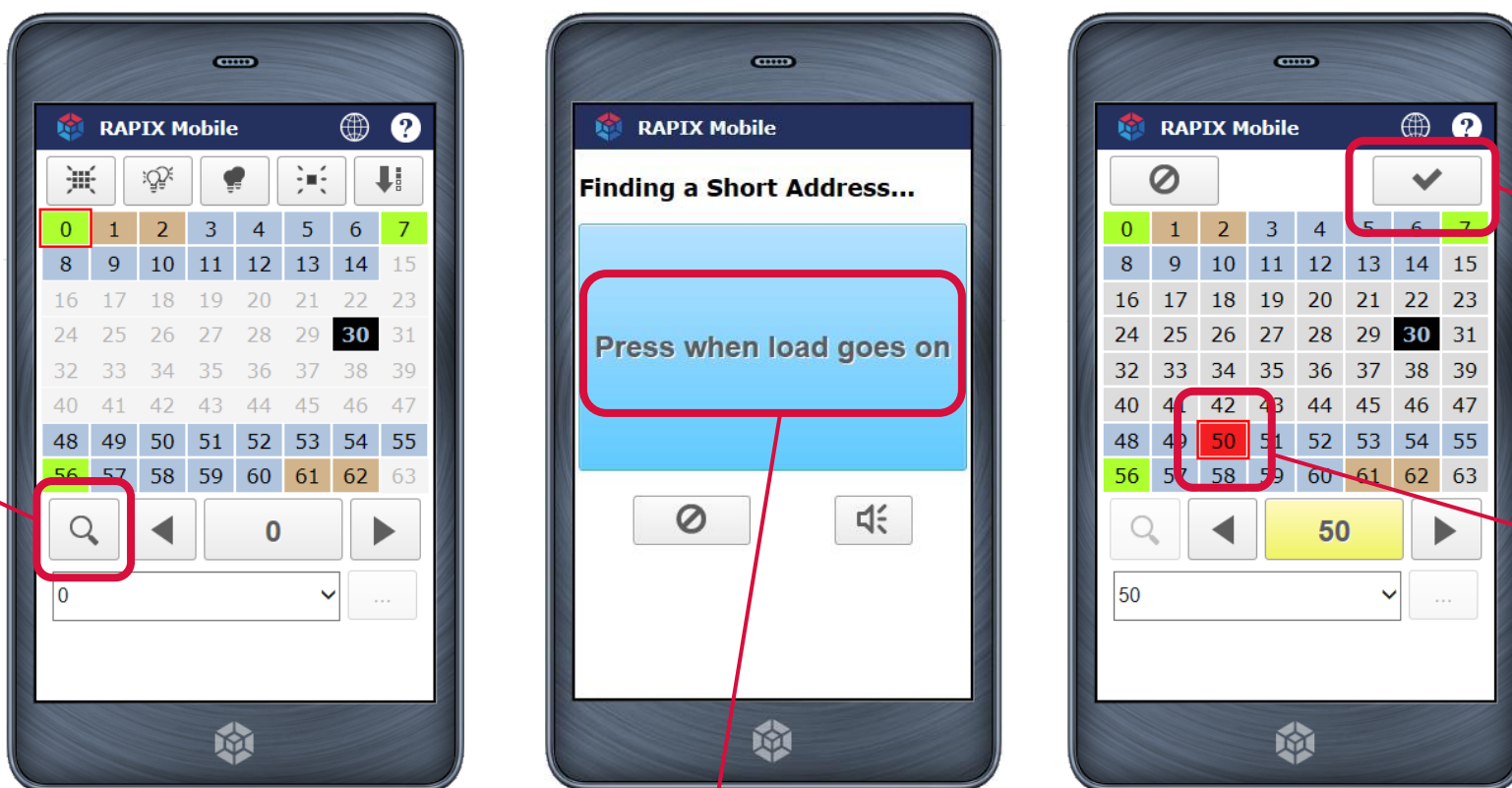
# ADDRESSING DEVICES

Using phone - manual



# ADDRESSING DEVICES

Using RAPID Find™ to find the address of a light you are viewing



1. Click Find

2. Click when light changes

3. This is the device you were viewing

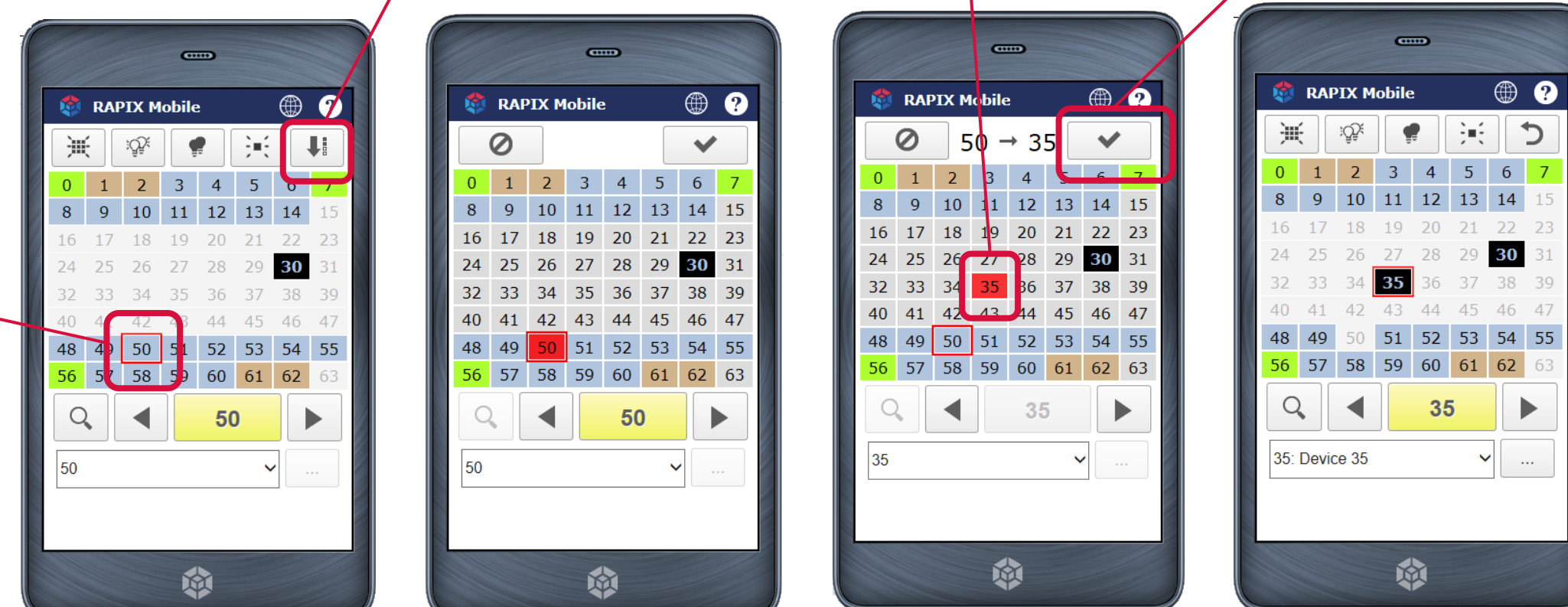
4. Click to confirm the device (see next slide for changing address)

The images show the RAPID Find process on a smartphone. The first screen shows the 'Find' button (magnifying glass icon) highlighted. The second screen shows a blue box with the text 'Press when load goes on'. The third screen shows the device address '50' highlighted in yellow, and a checkmark button in the top right corner.

# ADDRESSING DEVICES

## Changing a device Short Address

1. Select Device
2. Click change address
3. Select new address
4. Click to confirm the change



The screenshots illustrate the process of changing a device's short address in the RAPIX Mobile app. Each screen shows a 6x8 grid of device addresses (0-63) and a numeric keypad at the bottom.

- Step 1: Select Device** - The device address 50 is selected in the grid.
- Step 2: Click change address** - The change address icon (a downward arrow) is clicked.
- Step 3: Select new address** - The new address 35 is selected in the grid.
- Step 4: Click to confirm the change** - The confirm icon (a checkmark) is clicked.

## ADDRESSING DEVICES

### TIPS

Consider leaving Short Address 0 unused.

When a new DALI Device is added to the DALI Line, it will be automatically given the first spare Short Address (in this case, 0) so you know immediately which device is the new one.

Also, if you come back to work on the DALI Line and there is a device at address 0, then you know that someone else has added a device to the DALI Line.

Avoid using more than about 50 DALI Devices on a Line. That will leave some spare Short Addresses if additional devices are ever required.

# EXERCISE 1

SCAN DALI LINE AND SET SHORT ADDRESSES





# NAMING DEVICES



# NAMING DEVICES

- Why?
  - It is easier to configure and maintain a site when everything is named.

- How?

- Click on the name



15	Device 15	LED	LED		<input checked="" type="checkbox"/>	💡
16	Device 16	LED	LED		<input checked="" type="checkbox"/>	💡
17	Device 17	LED	LED		<input checked="" type="checkbox"/>	💡

- Type in the new name.



15	Device 15	LED	LED		<input checked="" type="checkbox"/>	💡
16	Office 1A	LED	LED		<input checked="" type="checkbox"/>	💡
17	Device 17	LED	LED		<input checked="" type="checkbox"/>	💡

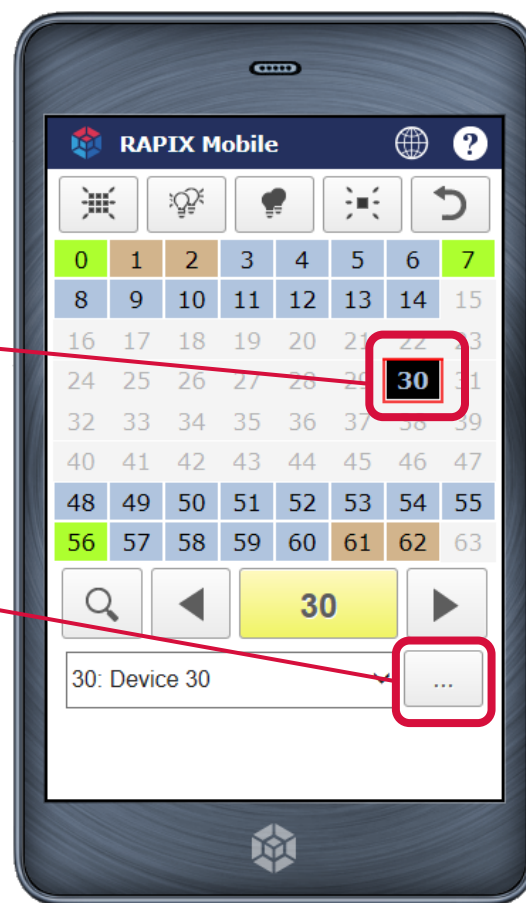
If it already has a name,  
press F2 to edit

# NAMING DEVICES

## Using a Phone

1. Select a Confirmed Device

2. Click



Enter a New Name

Device 30

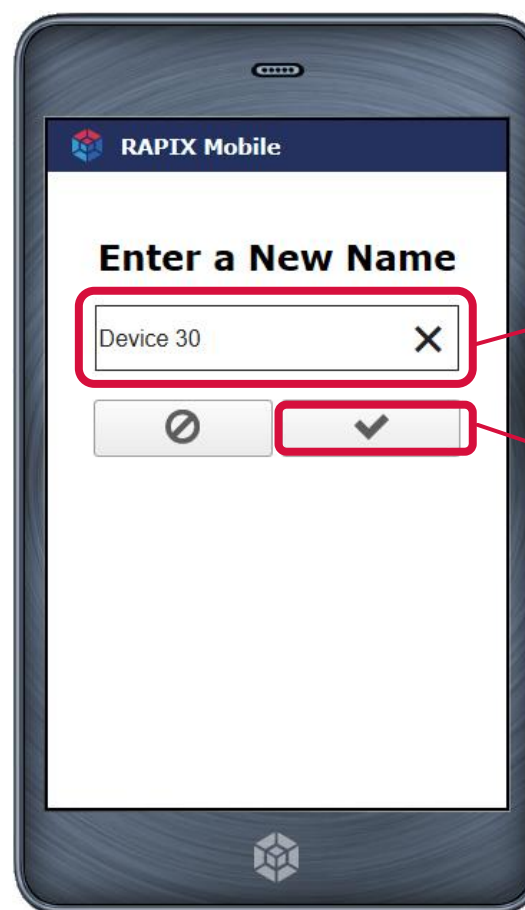
X

⊘

✓

3. Type in name

4. Click



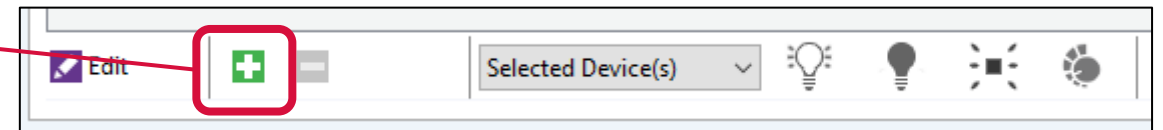
## MANUALLY ADDING DEVICES



# MANUALLY ADDING DEVICES

To add a device to the database (when there is no actual device on the DALI Line)

- 1. Click the Add button



- 2. Select the device type, address and quantity

Add DALI Devices

**Add DALI device(s) to the database.**  
Add one or more DALI devices of the same type to the database.

**Device Details**

Type: LED

Starting Address: 10

Quantity: 3

OK Cancel

- 3. The new devices can be named and configured as required.

# SETTING DALI PROPERTIES



# SETTING DALI PROPERTIES

## Basic DALI Properties

- Double Click on a device in the list
  - Or select the device and click the **Edit** button
- Edit property values as required.

Device Floor 1 / Line 1 / Short Address 6

Configure DALI Device Settings

Select values to set up DALI device. Open the Status tab to see the live device's status information.

Basic

LED

Status

Database

Name	Value
Levels and Rates	
Fade Rate	Dynamic
Fade Time	Dynamic
Failure Level	254 (100.0%)
Maximum Level	254 (100.0%)
Minimum Level	1 (0.4%)
Power On Level	0 (0.0%)

# SETTING DALI PROPERTIES


## Device Specific Properties

- Select Device Type tab (e.g. LED)
- Edit property values as required.

Device Floor 1 / Line 1 / Short Address 6

### Configure DALI Device Settings

Select values to set up DALI device. Open the Status tab to see the live device's status information.



Basic
LED
Status
Database

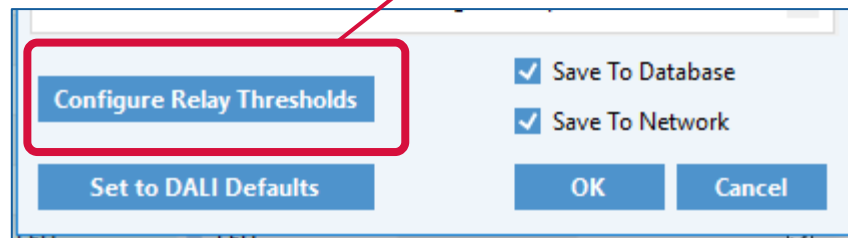
Name	Value
Dimming Curve	Logarithmic
Fast Fade Time	No Fade



# SETTING DALI PROPERTIES

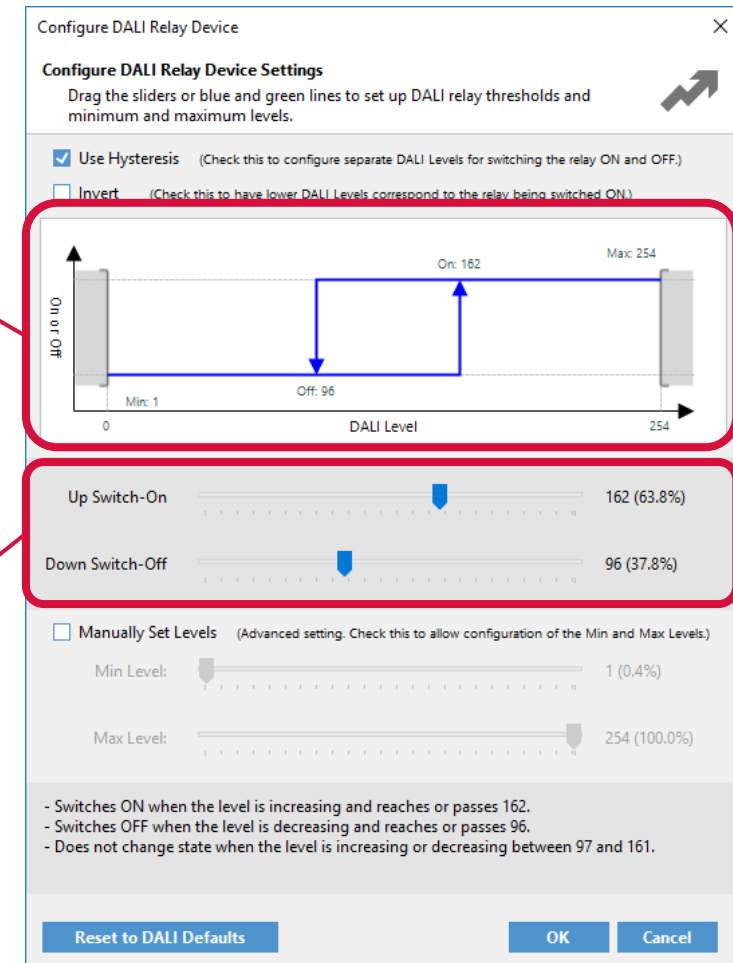
## Device Specific Properties

- Relays
  - Click on **Configure Relay Thresholds**



2. See how it will operate

1. Use sliders to set thresholds



# SETTING DALI PROPERTIES

## Status

- Select Status tab
  - Shows all device status information.

Device Floor 1 / Line 1 / Short Address 6

### Configure DALI Device Settings

Select values to set up DALI device. Open the Status tab to see the live device's status information.

Basic
LED
**Status**
Database

Name	Value
Basic	
Actual Level	0 (0.0%)
Firmware Version	1.3
GTIN	9319250555293
Physical Min. Level	1 (0.1%)
Serial Number	804
Control Gear Status	
Control Gear OK	Yes
Fade Running	No
Lamp Arc Power On	No
Lamp Failure	No
Level Out Of Range	No
Missing Short Address	No
Power Failure	No
Reset State	No

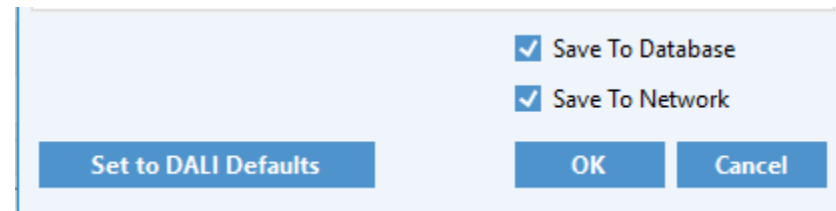
**Thermal Shut Down**  
 Thermal shut down can be queried.

Refresh

# SETTING DALI PROPERTIES

## Save

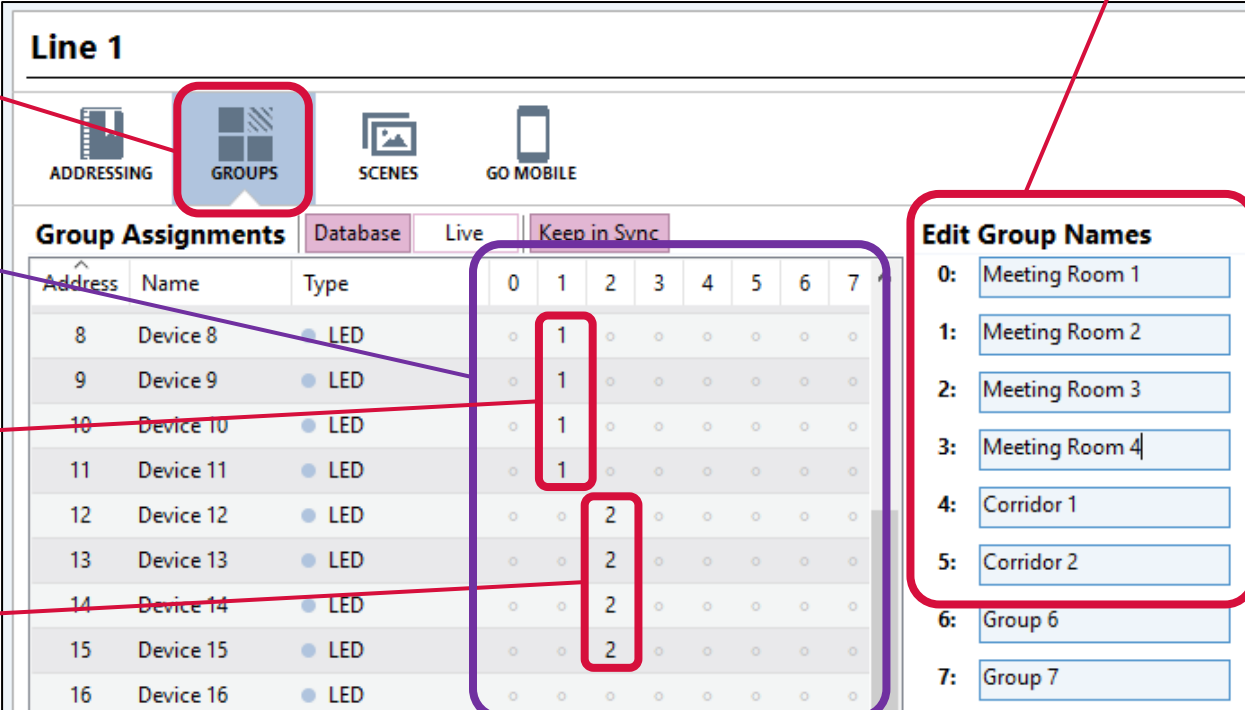
- Select what to save
  - Save changes to database
  - Save changes to the live device (on the Network)
- Click **OK**.



# SETTING DALI PROPERTIES

## DALI Groups

- Can be edited with the DALI basic properties
- Easier to use the Groups editor.



The screenshot shows the 'Line 1' interface for DALI Groups. It includes a top navigation bar with 'ADDRESSING', 'GROUPS' (highlighted), 'SCENES', and 'GO MOBILE'. Below this is a 'Group Assignments' table with columns for Address, Name, Type, and a grid of group membership (0-7). A purple box highlights the grid, and a purple arrow points to it with the text 'Click anywhere to "toggle" group membership'. To the right is an 'Edit Group Names' panel with a list of group names (0-7) in input fields. A red box highlights this panel, and a red arrow points to it with the text 'Group Names'. Red arrows also point from the text 'DALI Group 1 (contains devices 8 – 11)' and 'DALI Group 2 (contains devices 12 – 15)' to the corresponding columns in the grid.

Click anywhere to "toggle" group membership

DALI Group 1  
(contains devices 8 – 11)

DALI Group 2  
(contains devices 12 – 15)

Group Names

Address	Name	Type	0	1	2	3	4	5	6	7
8	Device 8	LED		1						
9	Device 9	LED		1						
10	Device 10	LED		1						
11	Device 11	LED		1						
12	Device 12	LED			2					
13	Device 13	LED			2					
14	Device 14	LED			2					
15	Device 15	LED			2					
16	Device 16	LED								

Edit Group Names

- 0: Meeting Room 1
- 1: Meeting Room 2
- 2: Meeting Room 3
- 3: Meeting Room 4
- 4: Corridor 1
- 5: Corridor 2
- 6: Group 6
- 7: Group 7

# SETTING DALI PROPERTIES

## DALI Scenes

- Can be edited with the DALI basic properties
- Easier to use the Scenes editor.

Click anywhere  
to set scene  
level (or MASK)

### DALI Scene 2

- Device 9: Off
- Device 10: 20%
- Device 11: 40%
- Device 12: 60%
- Device 13: 80%
- Device 14: 100%

**Line 1**

ADDRESSING GROUPS **SCENES** GO MOBILE

**Scene Levels** Show All Sort by Selected Scene: On Off >>

Address	Name	Type	0	1	2	3	4	5	6	7
8	Device 8	LED								
9	Device 9	LED			0.0					
10	Device 10	LED			20					
11	Device 11	LED			40					
12	Device 12	LED			60					
13	Device 13	LED			80					
14	Device 14	LED			100					
15	Device 15	LED								
16	Device 16	LED								

**Edit Scene Names**

0: Scene 0

1: Scene 1

2: Night Scene

3: Scene 3

4: Scene 4

5: Scene 5

6: Scene 6

7: Scene 7

Scene  
Names

# SETTING DALI PROPERTIES

## DALI Colour Scenes

- Can be edited with the DALI advanced properties
- Easier to use the Scenes editor.

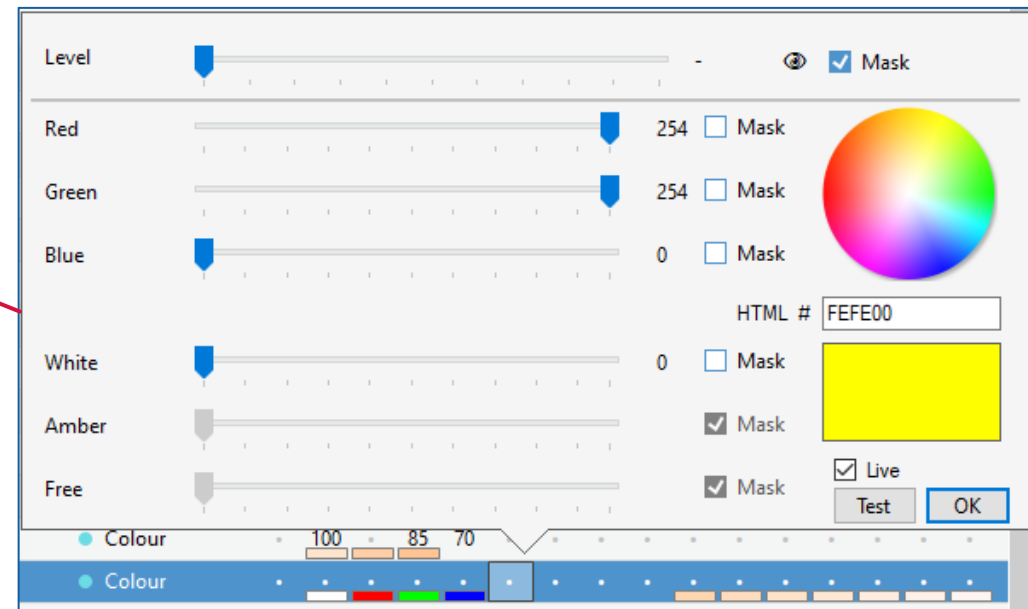
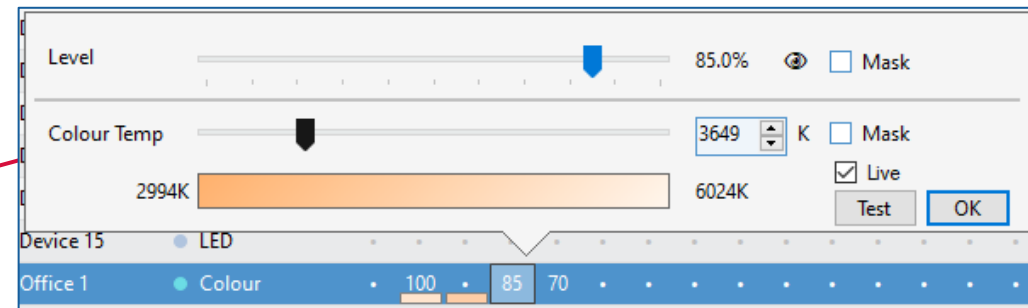
16	Office 1	● Colour	100	85	70
17	Office 2	● Colour			

Scene  
Colours

# SETTING DALI PROPERTIES

## DALI Colour Scenes

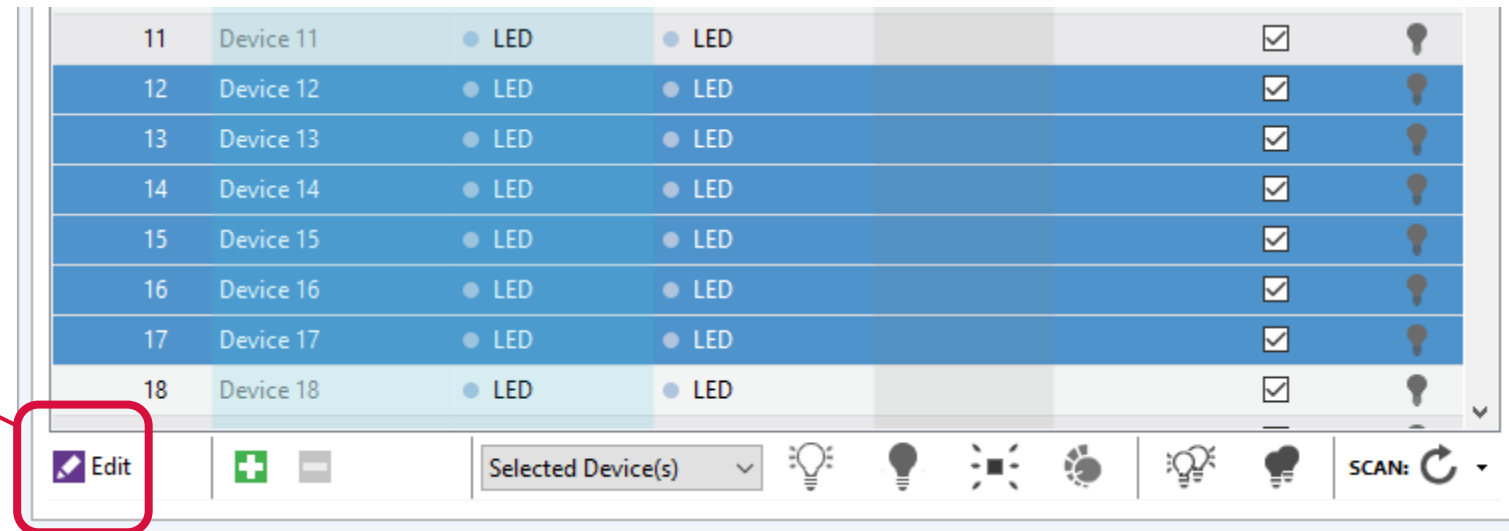
- Click on the Scene to open the editor
- Editor depends on device type
  - Colour Temperature
  - RGB/RGBW



# SETTING DALI PROPERTIES

Editing Multiple Devices at Once

- Multi-select
  - CTRL + Click; OR
  - SHIFT + Click
- Click on the Edit button





# SETTING DALI PROPERTIES

Editing Multiple Devices at Once

This is blank because some devices have different settings

Configure Multiple DALI Devices

Configure Settings of Multiple DALI Devices  
Select values to set up multiple DALI devices.

BasicLED

Name	Value
Levels and Rates	
Fade Rate	Dynamic
Fade Time	Dynamic
Failure Level	254 (100.0%)
Maximum Level	254 (100.0%)
Minimum Level	1 (0.4%)
Power On Level	0 (0.0%)
Groups	
Group 0	No
Group 1	No
Group 2	
Group 3	No

**Group 8**  
The control gear shall respond to commands addressed to this group.

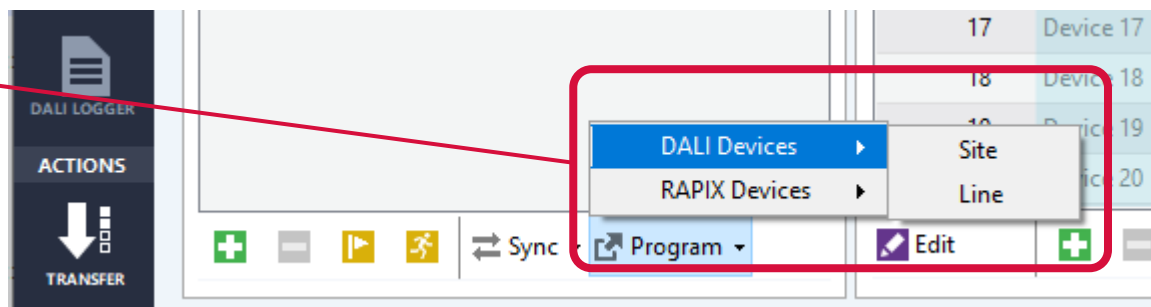
☒ Save To Database  
☒ Save To Network

Set to DALI DefaultsOKCancel

# SETTING DALI PROPERTIES

## Editing Multiple DALI Devices at Once

- Global programming
  - Whole Site; OR
  - Single Line
- Click on the **Program** button
- Continue as for multi-select.



# EXERCISE 2

SET DALI DEVICE PROPERTIES



# COMMISSIONING RAPIX DEVICES

## BASIC FEATURES



## ADDRESSING RAPIX DEVICES

## Extended Addresses

- Used by RAPIX Sensors, Universal Inputs and eHubs
- Extended Address range
  - 192 – 239
  - Separate from the DALI Short Addresses (0 – 63).
- Setting Address

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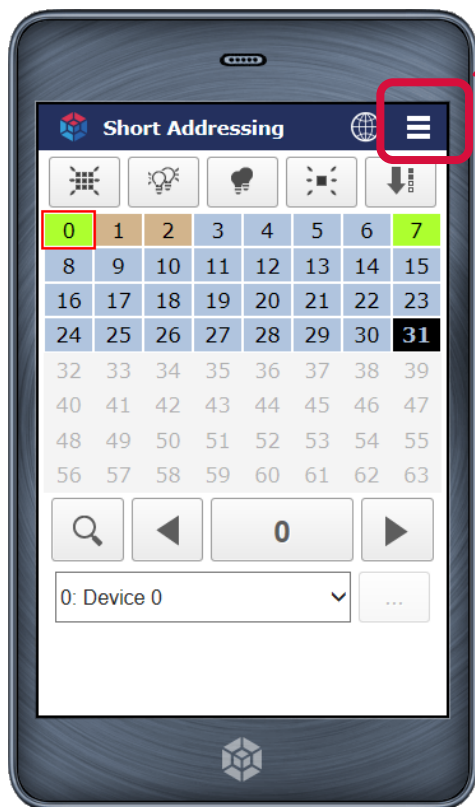
  - Same as for DALI Devices

21	Device 21	● LED	● LED	<Choose> <Clear>
22	Device 22	● LED	● LED	192
23	Device 23	● LED	● LED	193
24	Device 24	● LED	● LED	194
25	Device 25	● LED	● LED	195
26	Device 26	● LED	● LED	196
27	Device 27	● LED	● LED	197
28	Device 28	● LED	● LED	198
29	Device 29	● LED	● LED	199
30	Device 30	● LED	● LED	200
31	Device 31	● LED	● LED	201
Extended Address				202
192	Yellow	● DALI eHub	● DALI eHub	203
				204
				205
				206
				207
				208
				209
				200

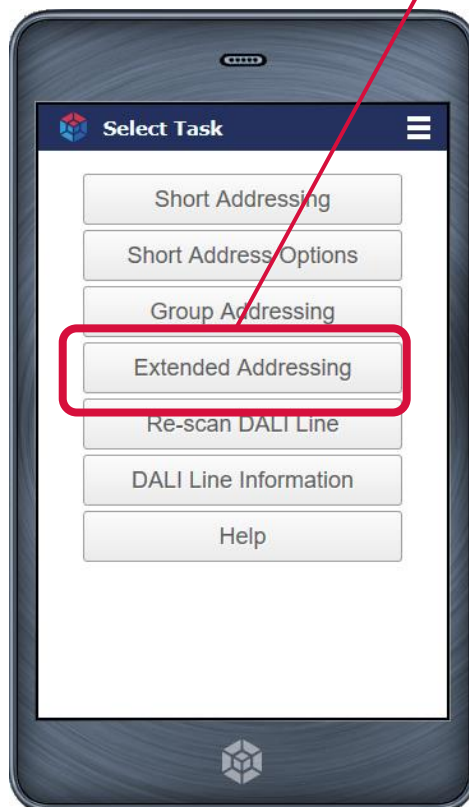
# ADDRESSING RAPIX DEVICES

Identifying a RAPIX device

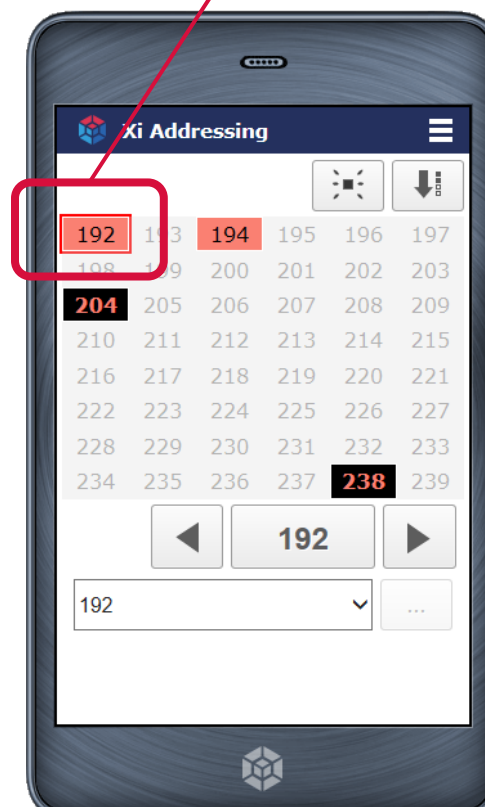
1. Click menu



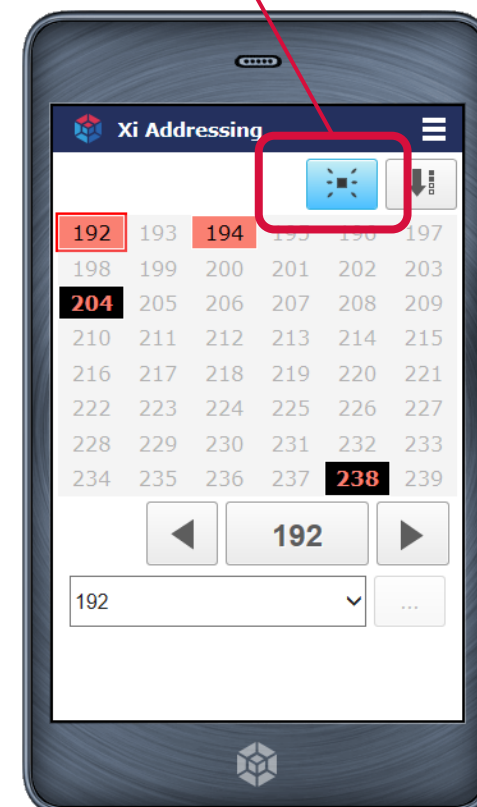
2. Select Extended Addressing



3. Select device



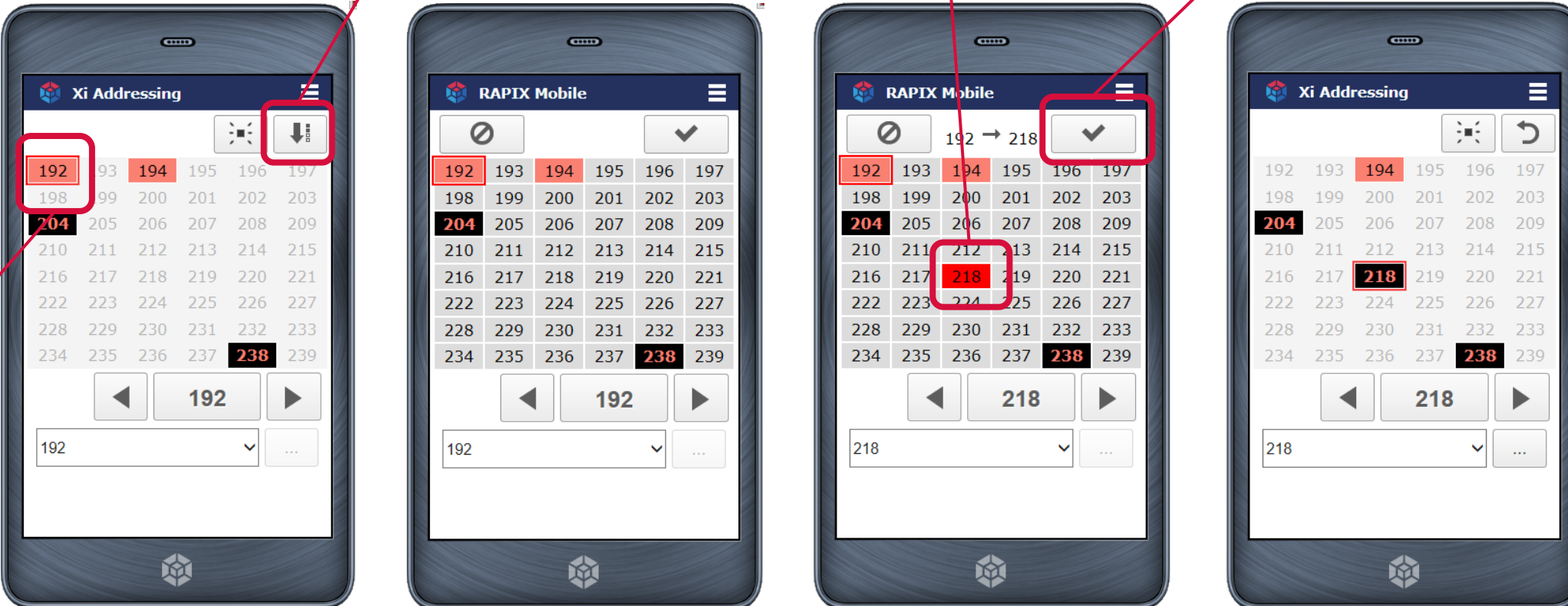
4. Click Identify



# ADDRESSING RAPIX DEVICES

## Changing a device Extended Address

1. Select Device
2. Click change address
3. Select new address
4. Click to confirm the change



The image shows four sequential steps on a smartphone screen for changing a device's extended address. Each screen displays a grid of addresses from 192 to 239.

- Step 1:** The screen is titled "Xi Addressing". A red box highlights the address 192 in the first row, first column.
- Step 2:** The screen is titled "RAPIX Mobile". A red box highlights a downward arrow icon in the top right corner.
- Step 3:** The screen is titled "RAPIX Mobile". A red box highlights the address 218 in the fourth row, fourth column. The address 192 is crossed out and 218 is shown in the top right corner.
- Step 4:** The screen is titled "Xi Addressing". A red box highlights a checkmark icon in the top right corner. The address 218 is shown in the top right corner.

# COMMISSIONING RAPIX SENSORS

## BASIC FEATURES





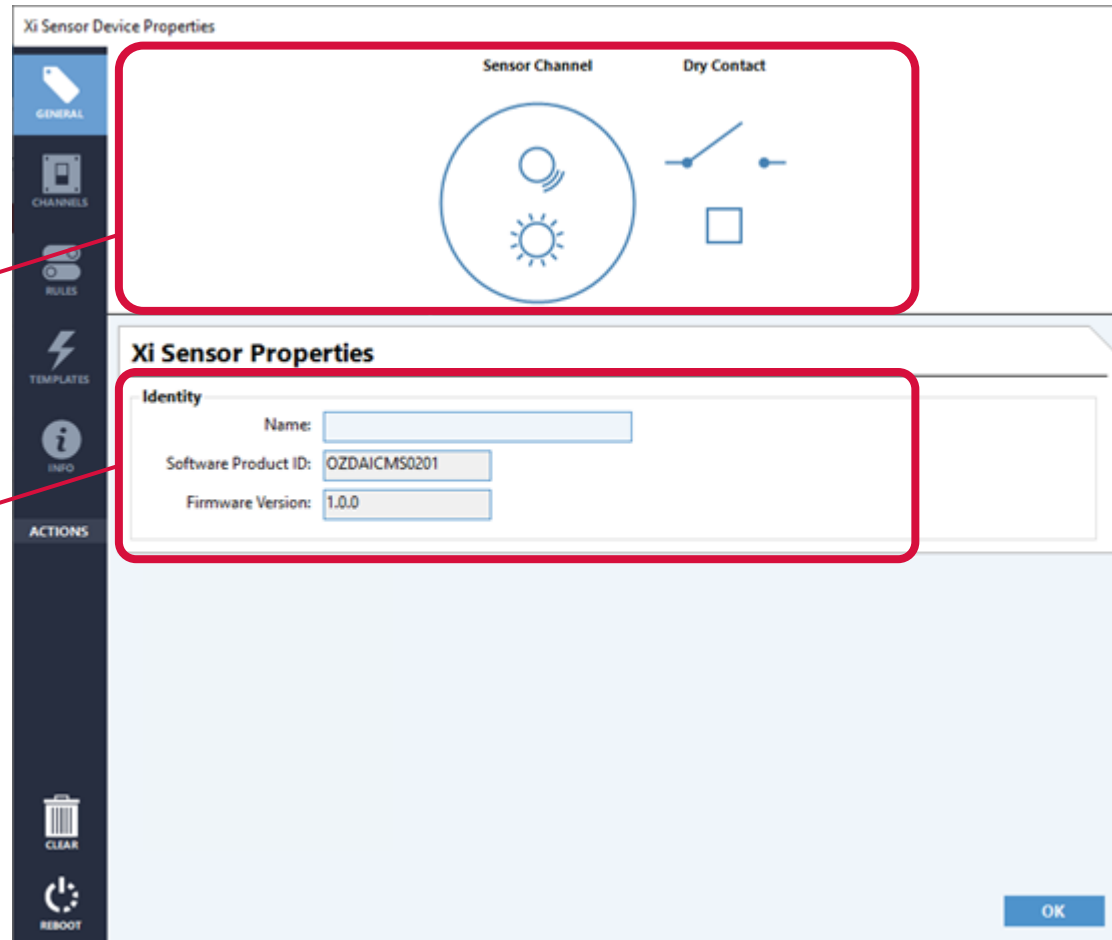
# COMMISSIONING RAPIX SENSORS

## Editing RAPIX Sensor

- Confirm device first
- Double-click on device in list
- Editor form is displayed

Inputs

Basic  
Details



Xi Sensor Device Properties

Sensor Channel Dry Contact

Xi Sensor Properties

Identity

Name:

Software Product ID: OZDAICMS0201

Firmware Version: 1.0.0

OK

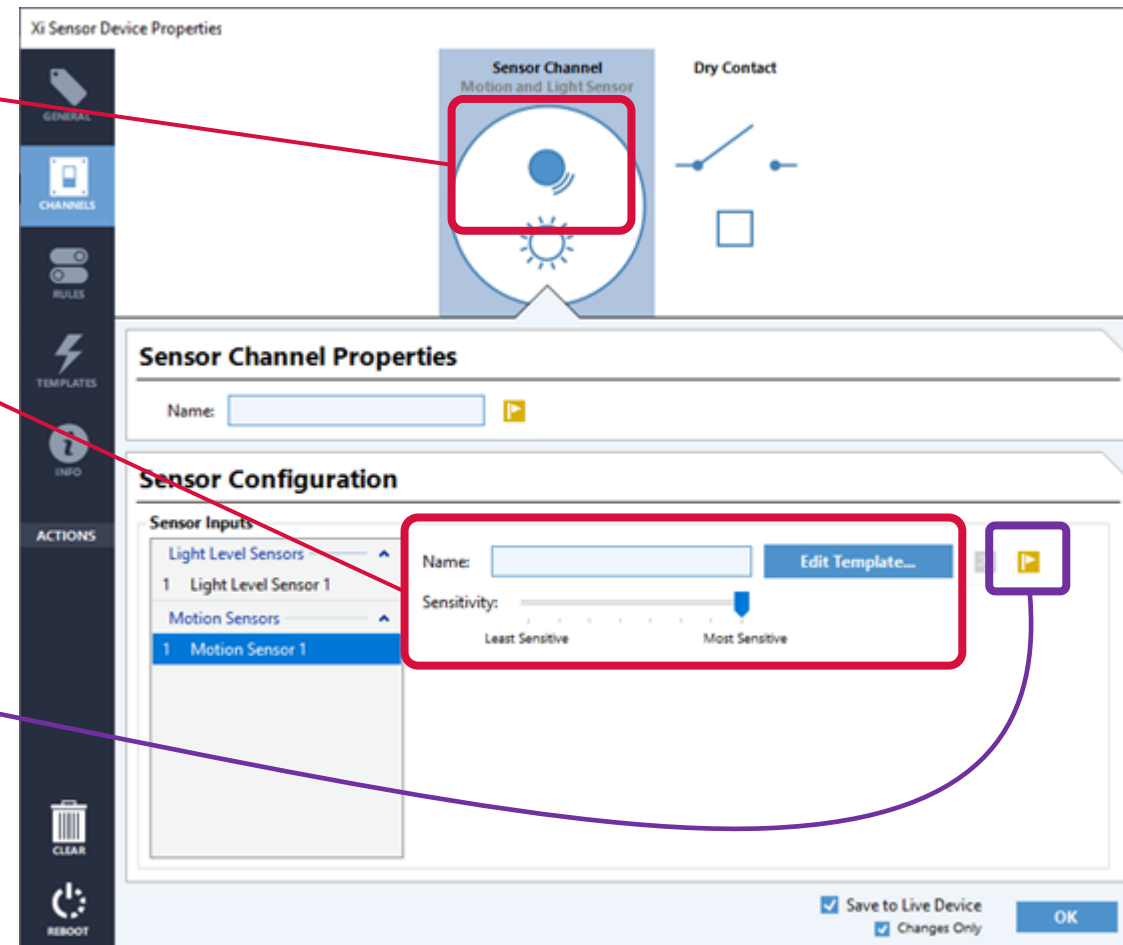
# COMMISSIONING RAPIX SENSORS

## ■ Editing motion sensor

1. Select the motion sensor
2. Enter a name
3. Set the sensitivity
4. Edit the template  
(refer to later section)

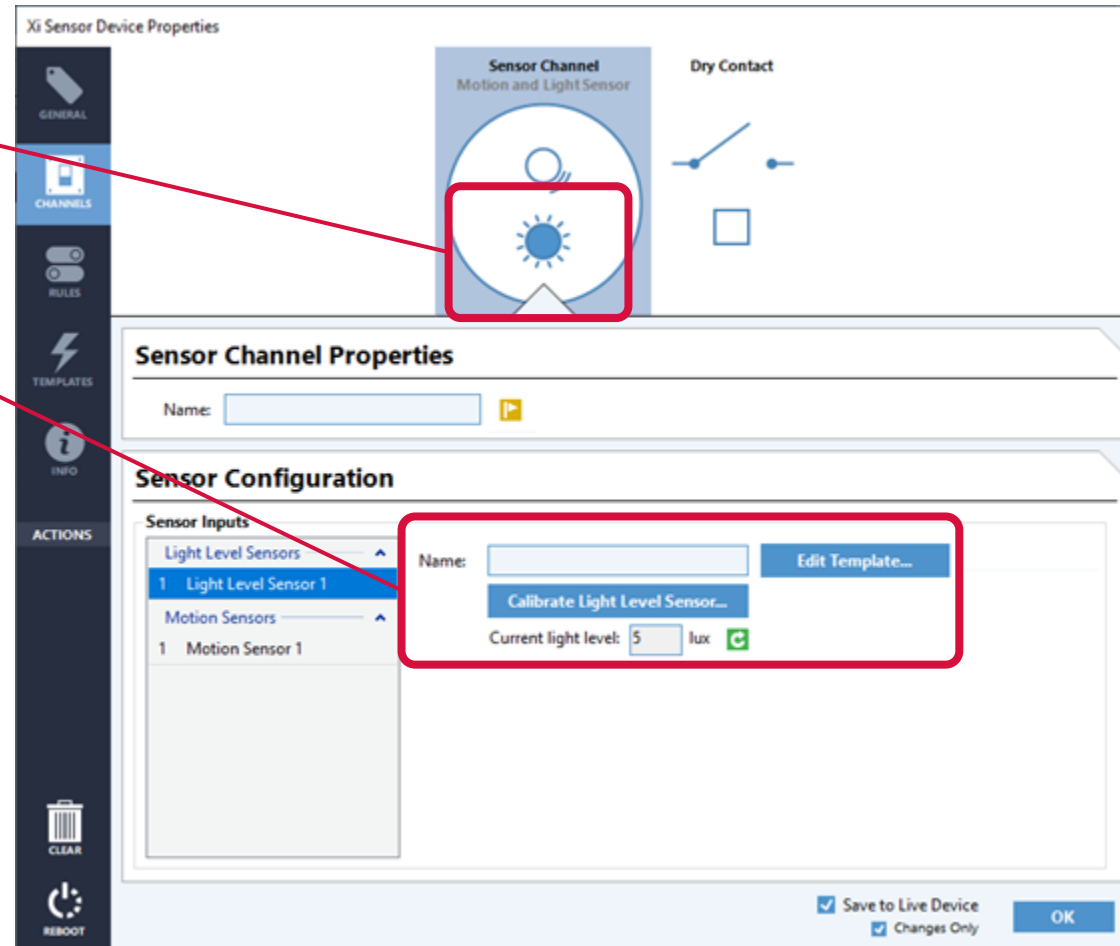
## ■ Identifying motion sensor

1. Select the motion sensor
2. Click the identify button
3. The sensor will start to flash
4. Click the identify button again when finished



# COMMISSIONING RAPIX SENSORS

- Editing light sensor
- 1. Select the light sensor
- 2. Enter a name
- 3. Calibrate if required
- 4. Edit the template  
(refer to later section)



The screenshot displays the 'Xi Sensor Device Properties' window. The left sidebar contains navigation tabs: GENERAL, CHANNELS, RULES, TEMPLATES, INFO, and ACTIONS. The main area is divided into several sections:

- Sensor Channel Properties:** Includes a 'Name' input field and a play button icon.
- Sensor Configuration:** Contains a 'Sensor Inputs' list on the left with expandable sections for 'Light Level Sensors' (showing '1 Light Level Sensor 1') and 'Motion Sensors' (showing '1 Motion Sensor 1'). To the right of this list are buttons for 'Name', 'Edit Template...', and 'Calibrate Light Level Sensor...'. Below these buttons, it shows 'Current light level: 5 lux' with a green status icon.
- Bottom Right:** Features checkboxes for 'Save to Live Device' and 'Changes Only', along with an 'OK' button.

Red lines from the list on the left point to specific elements in the interface:
 

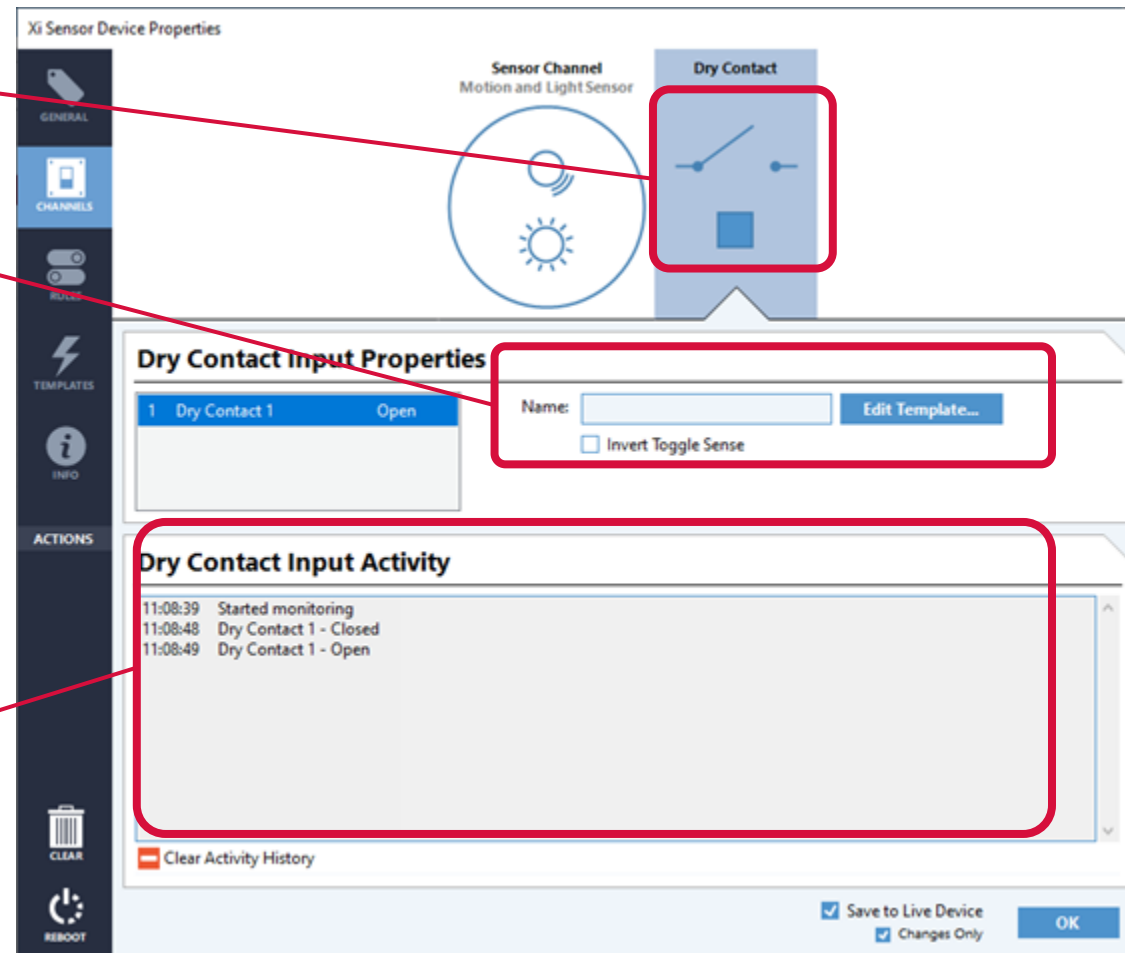
- Line 1 points to the 'Light Level Sensors' section in the 'Sensor Inputs' list.
- Line 2 points to the 'Name' input field in the 'Sensor Configuration' section.
- Line 3 points to the 'Calibrate Light Level Sensor...' button.
- Line 4 points to the 'Edit Template...' button.

# COMMISSIONING RAPIX SENSORS

## ■ Editing dry contact input

1. Select the dry contact input
2. Enter a name
3. Edit the template  
(refer to later section)

Open/Close  
Events



The screenshot shows the 'Xi Sensor Device Properties' window. The left sidebar contains navigation icons for GENERAL, CHANNELS, RUN, TEMPLATES, INFO, ACTIONS, CLEAR, and REBOOT. The main area is divided into several sections:

- Sensor Channel:** Motion and Light Sensor (represented by a circular icon with a sun and a moon).
- Dry Contact:** A diagram of a dry contact switch is highlighted with a red box. A red line points from this box to the 'Dry Contact Input Properties' section.
- Dry Contact Input Properties:** This section contains a table with one entry: '1 Dry Contact 1' with a status of 'Open'. To the right of the table is a 'Name' input field and an 'Edit Template...' button, both highlighted with a red box. Below this is a checkbox for 'Invert Toggle Sense'.
- Dry Contact Input Activity:** A log of events is shown, including '11:08:39 Started monitoring', '11:08:48 Dry Contact 1 - Closed', and '11:08:49 Dry Contact 1 - Open'. This section is highlighted with a red box. A red line points from the text 'Open/Close Events' to this section.
- Clear Activity History:** A button located below the activity log.
- Bottom Right:** Checkboxes for 'Save to Live Device' and 'Changes Only', and an 'OK' button.

# COMMISSIONING UNIVERSAL INPUTS

## BASIC FEATURES



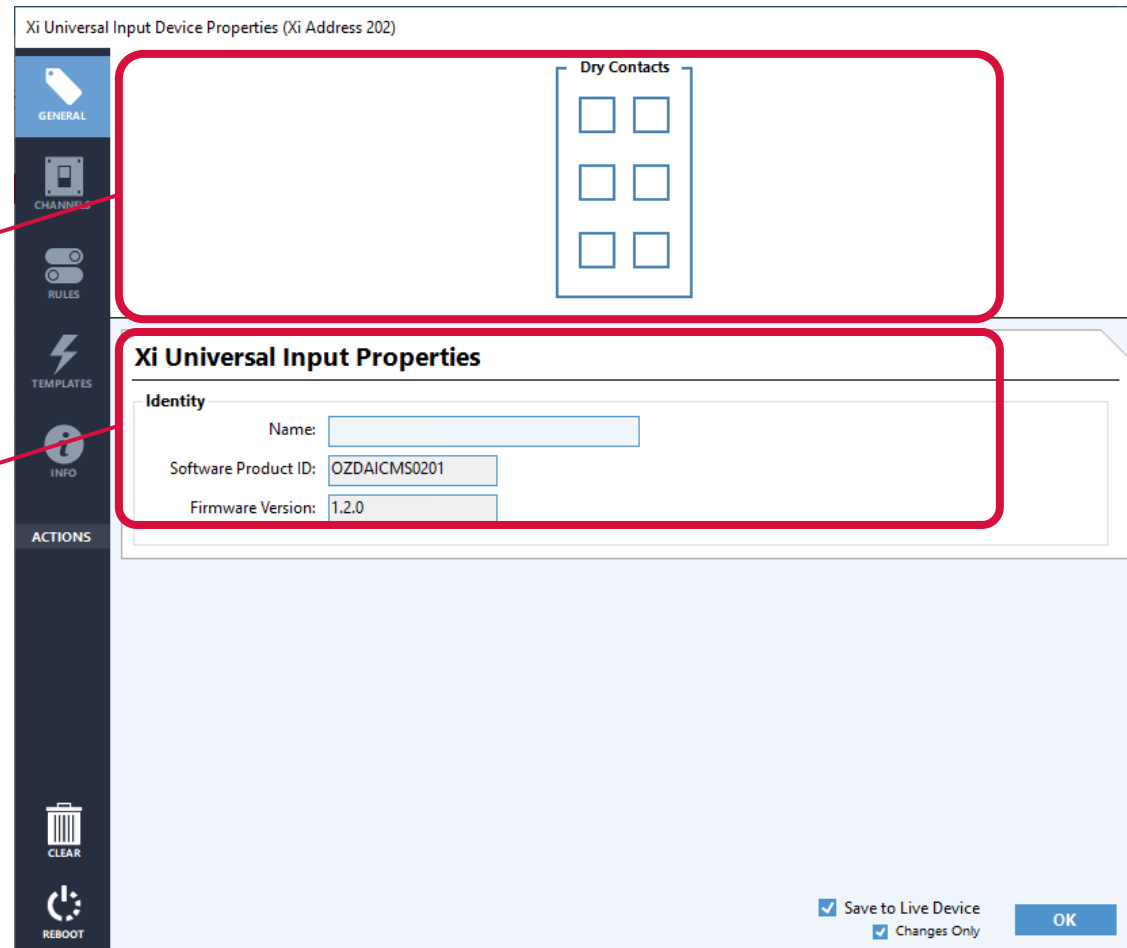
# COMMISSIONING UNIVERSAL INPUTS

## Editing Universal Inputs

- Confirm device first
- Double-click on device in list
- Editor form is displayed

Inputs

Basic  
Details



Xi Universal Input Device Properties (Xi Address 202)

GENERAL

CHANNELS

RULES

TEMPLATES

INFO

ACTIONS

CLEAR

REBOOT

Dry Contacts

Xi Universal Input Properties

Identity

Name:

Software Product ID:

Firmware Version:

☒ Save to Live Device

☒ Changes Only

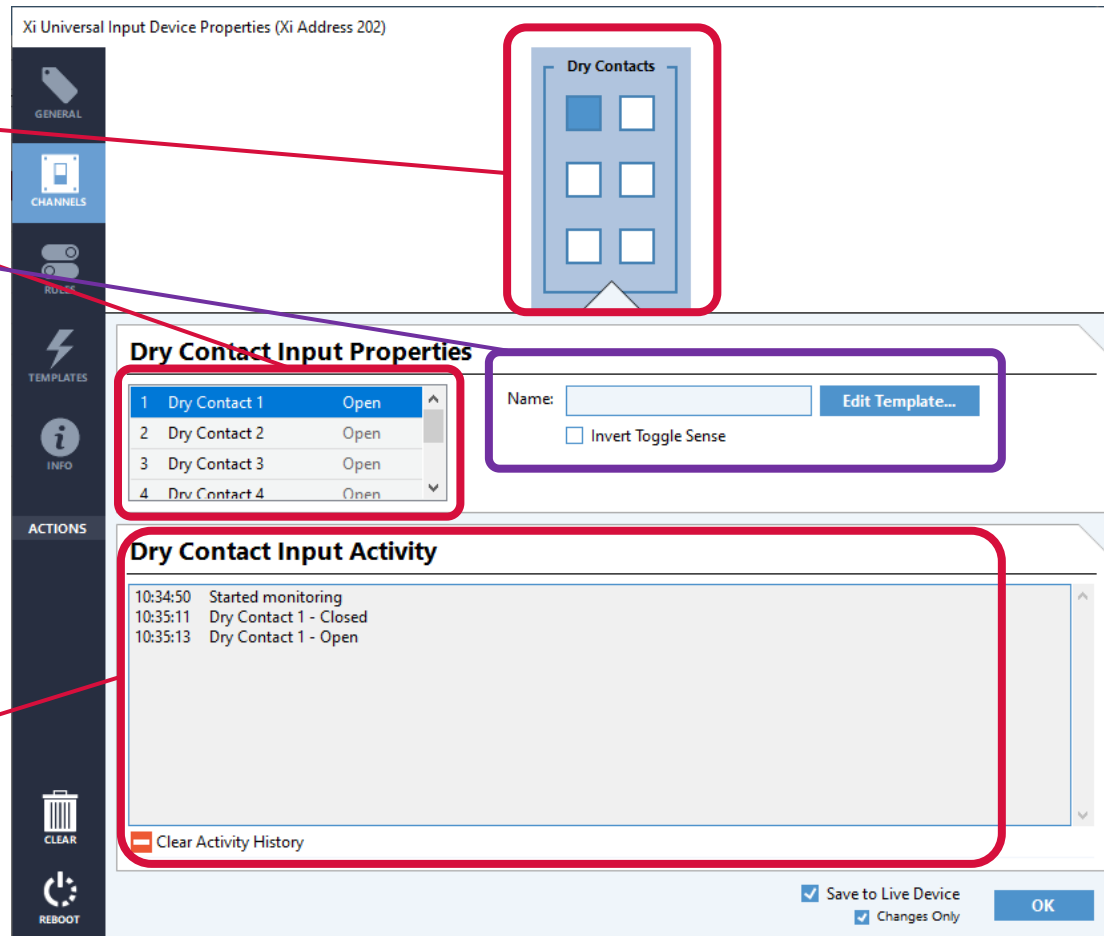
OK

# COMMISSIONING UNIVERSAL INPUTS

## ■ Editing inputs

1. Select an input
2. Enter a name
3. Edit the template  
(refer to later section)

Open/Close  
Events



Xi Universal Input Device Properties (Xi Address 202)

GENERAL

CHANNELS

RULES

TEMPLATES

INFO

ACTIONS

CLEAR

REBOOT

**Dry Contacts**

**Dry Contact Input Properties**

1	Dry Contact 1	Open
2	Dry Contact 2	Open
3	Dry Contact 3	Open
4	Dry Contact 4	Open

Name:  **Edit Template...**

☐ Invert Toggle Sense

**Dry Contact Input Activity**

10:34:50 Started monitoring  
10:35:11 Dry Contact 1 - Closed  
10:35:13 Dry Contact 1 - Open

**Clear Activity History**

☒ Save to Live Device  
☒ Changes Only **OK**

# COMMISSIONING EHUBS

## BASIC FEATURES





# COMMISSIONING EHUBS

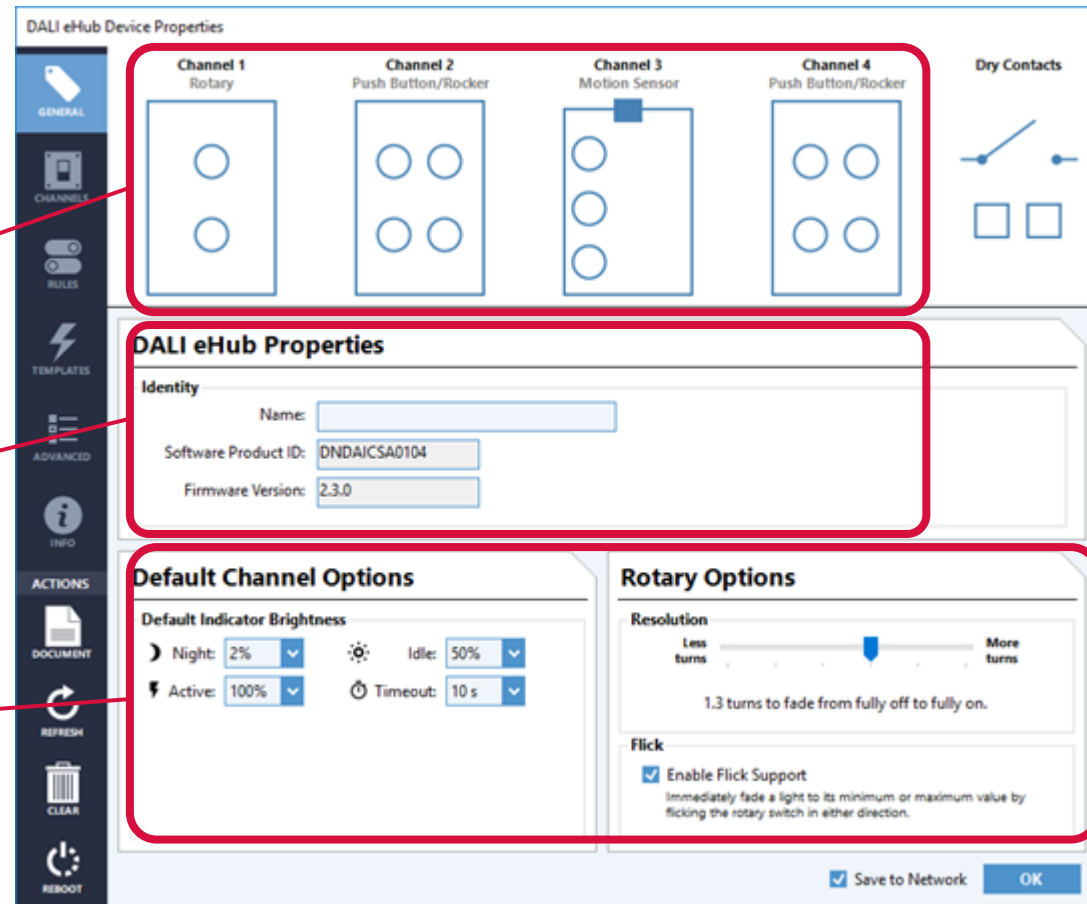
## Editing eHub

- Confirm device first
- Double-click on device in list
- Editor form is displayed

Connected  
Peripherals

Basic  
Details

Basic  
Options



DALI eHub Device Properties

Channel 1 Rotary

Channel 2 Push Button/Rocker

Channel 3 Motion Sensor

Channel 4 Push Button/Rocker

Dry Contacts

DALI eHub Properties

Identity

Name:

Software Product ID: DNDALCSA0104

Firmware Version: 2.3.0

Default Channel Options

Default Indicator Brightness

Night: 2% Idle: 50%

Active: 100% Timeout: 10 s

Rotary Options

Resolution

Less turns More turns

1.3 turns to fade from fully off to fully on.

Flick

☒ Enable Flick Support

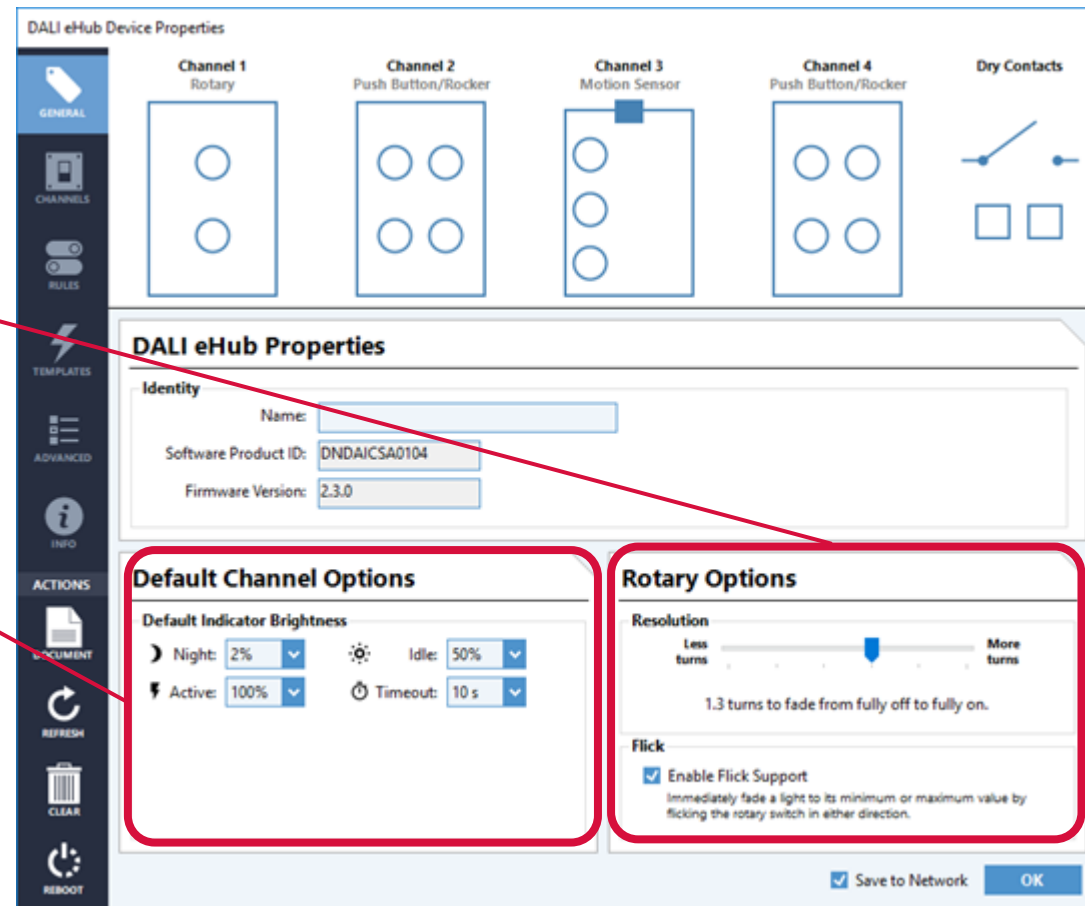
Immediately fade a light to its minimum or maximum value by flicking the rotary switch in either direction.

☒ Save to Network OK

# COMMISSIONING EHUBS

## Configuring Global Properties

- Dial Properties
  - Resolution
  - Flick option
- Switch Properties
  - Indicator brightness & timeout.



DALI eHub Device Properties

Channel 1 Rotary

Channel 2 Push Button/Rocker

Channel 3 Motion Sensor

Channel 4 Push Button/Rocker

Dry Contacts

**DALI eHub Properties**

Identity

Name:

Software Product ID: DNDIAICSA0104

Firmware Version: 2.3.0

**Default Channel Options**

Default Indicator Brightness

Night: 2%  Idle: 50%

Active: 100%  Timeout: 10 s

**Rotary Options**

Resolution

Less turns  More turns

1.3 turns to fade from fully off to fully on.

Flick

☒ Enable Flick Support

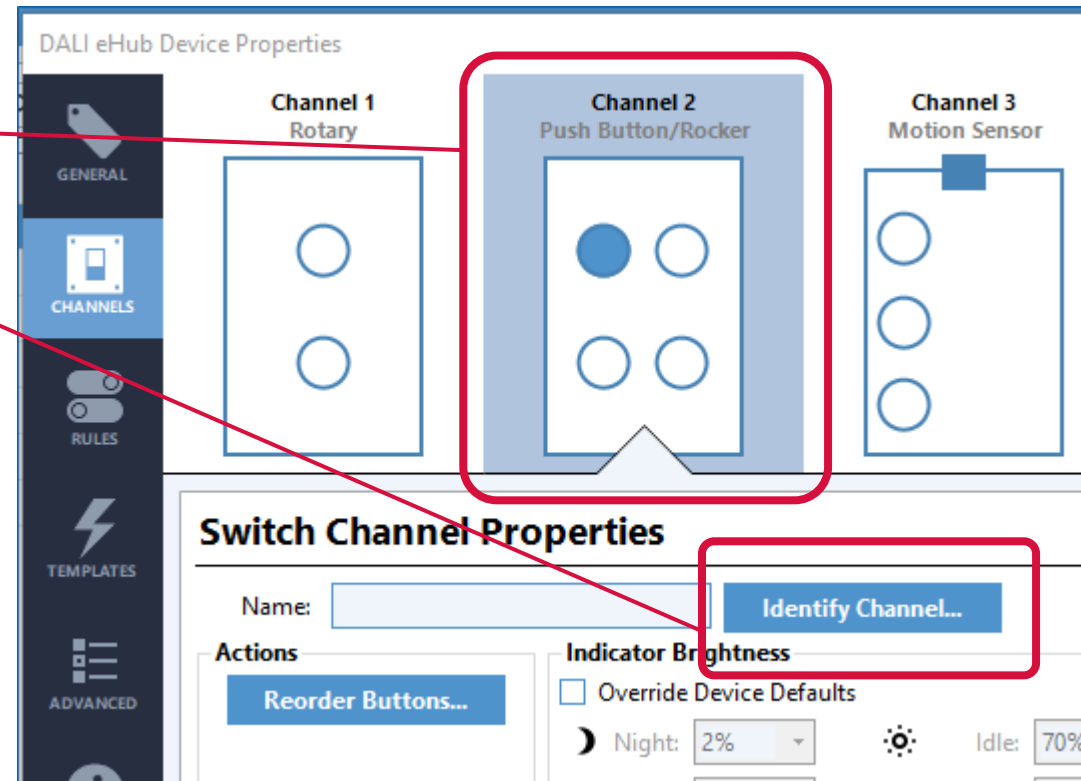
Immediately fade a light to its minimum or maximum value by flicking the rotary switch in either direction.

☒ Save to Network

# COMMISSIONING EHUBS - SWITCHES

## Identifying switch channels

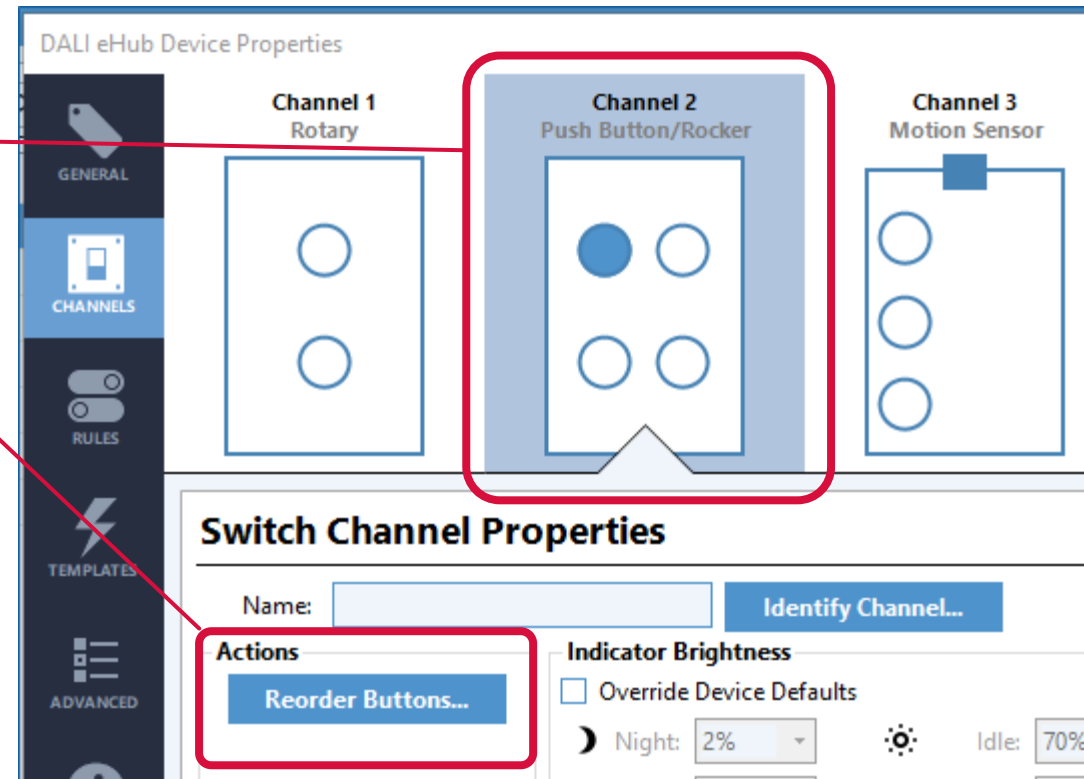
- 1. Select Channel
- 2. Click Identify Channel
- 3. All Channel LEDs will flash.



# COMMISSIONING EHUBS - SWITCHES

Checking/changing button order

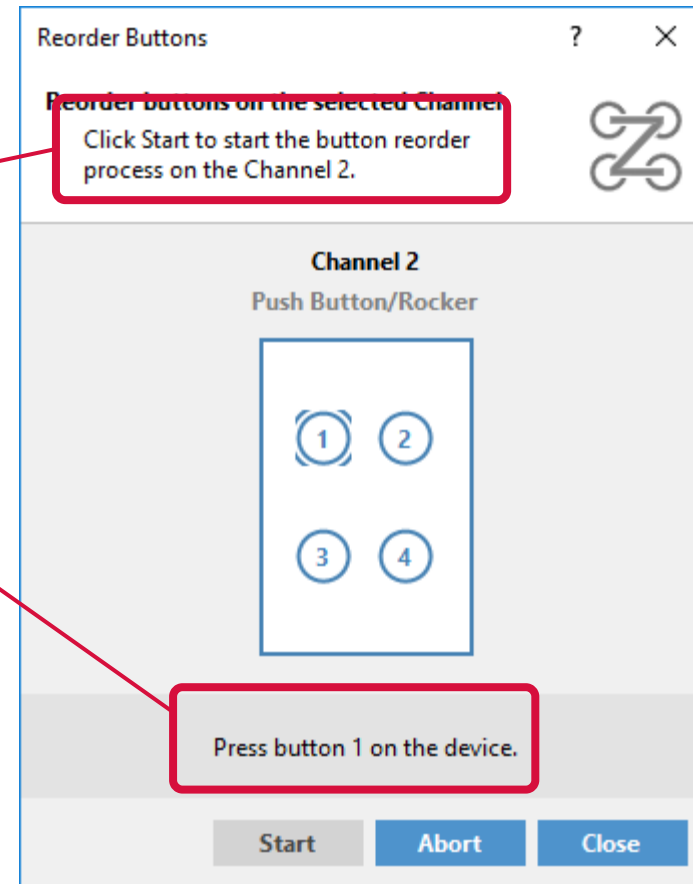
- 1. Select Channel
- 2. Click Reorder Buttons.



# COMMISSIONING EHUBS - SWITCHES

Checking/changing button order

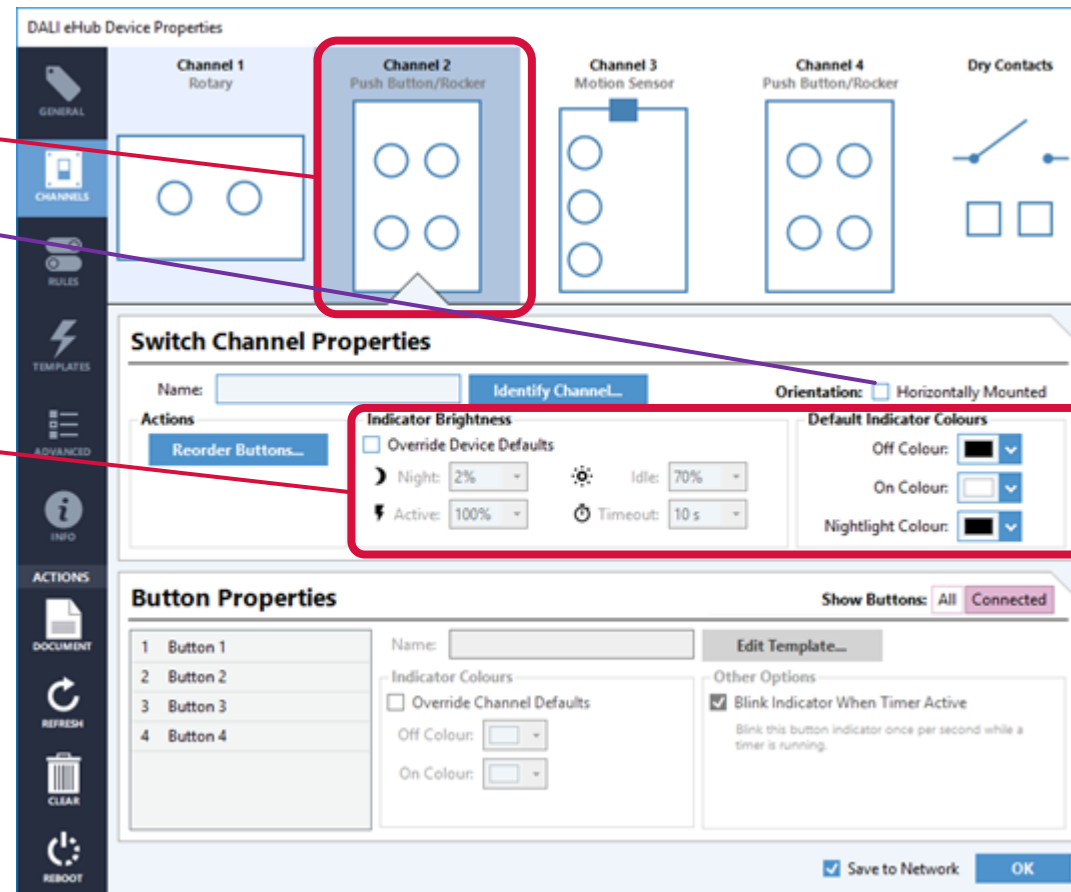
- 1. Select Channel
- 2. Click Reorder Buttons
- 3. Follow the instructions.



# COMMISSIONING EHUBS - SWITCHES

## Switch Properties

- 1. Select Channel
- 2. Select orientation
- 3. Change properties (if required)
  - Brightness & timeout
  - Colour.

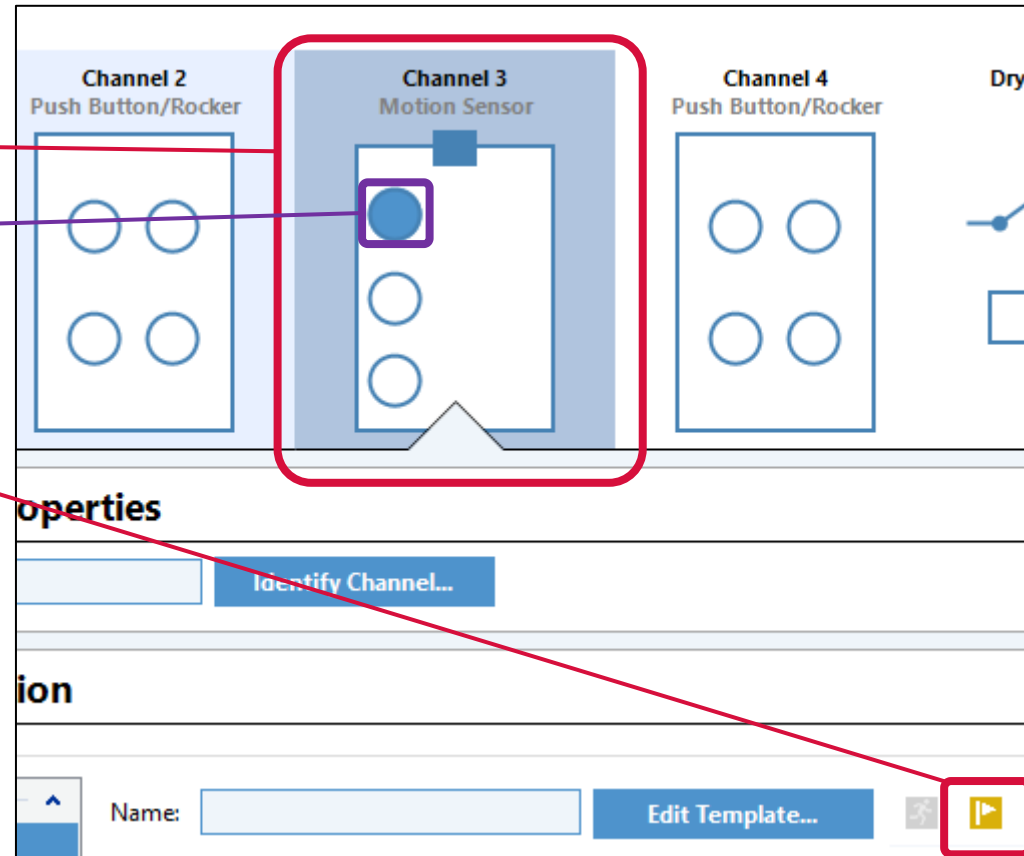


The screenshot shows the 'DALI eHub Device Properties' window. The 'CHANNELS' tab is selected in the left sidebar. Channel 2, labeled 'Push Button/Rocker', is highlighted with a red box. Below the channel selection, the 'Switch Channel Properties' section is visible. This section includes a 'Name' field, an 'Identify Channel...' button, and an 'Orientation' dropdown set to 'Horizontally Mounted'. Below these are 'Indicator Brightness' settings (Night: 2%, Active: 100%, Idle: 70%, Timeout: 10 s) and 'Default Indicator Colours' (Off Colour, On Colour, Nightlight Colour). A red box highlights the 'Indicator Brightness' and 'Default Indicator Colours' settings. At the bottom, the 'Button Properties' section shows a list of buttons (Button 1 to Button 4) and 'Indicator Colours' (Off Colour, On Colour). The 'Other Options' section includes a checkbox for 'Blink Indicator When Timer Active'. The 'Show Buttons' dropdown is set to 'All'. The 'Save to Network' checkbox is checked, and the 'OK' button is visible.

# COMMISSIONING EHUBS – MOVEMENT SENSORS

## Identifying sensors (option 1)

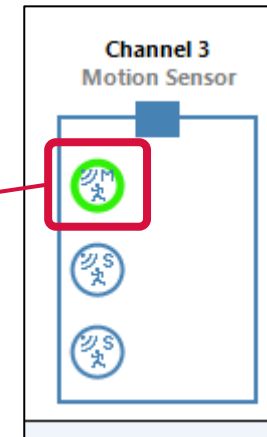
- 1. Select Channel
- 2. Select Sensor
- 3. Click Identify button
- 4. Sensor LED will flash.



# COMMISSIONING EHUBS – MOVEMENT SENSORS

## Identifying sensors (option 2)

- 1. Configure eHub (see later section)
- 2. Walk past a sensor
- 3. Sensor will be shown in green.





# COMMISSIONING EHUBS – LIGHT LEVEL SENSOR

## Sensor Properties

- 1. Select Channel
- 2. Select Sensor
- 3. Calibrate (if required)
  - Click **Calibrate Light Level Sensor**
  - Enter **actual light level**
  - Click **Calibrate**.

Light Level Sensor Calibration

**Calibrate a Light Level Sensor**

Light level sensors on newly-configured channels require calibration. Place a light meter in the space being measured and enter the measured value below. Then click Calibrate.

Current reading from light level sensor: 62 lux

User-measured reading from light meter:  lux

DALI eHub Device Properties

Channel 1 Rotary Channel 2 Push Button/Rocker Channel 3 Touch Screen Channel 4 Light and Motion Sensor Dry Contacts

**Sensor Channel Properties**

Name:

**Sensor Configuration**

**Sensor Inputs**

Light Level Sensors

1 Light Level Sensor 1

Motion Sensors

1 Motion Sensor 1

2 Motion Sensor 2

3 Motion Sensor 3

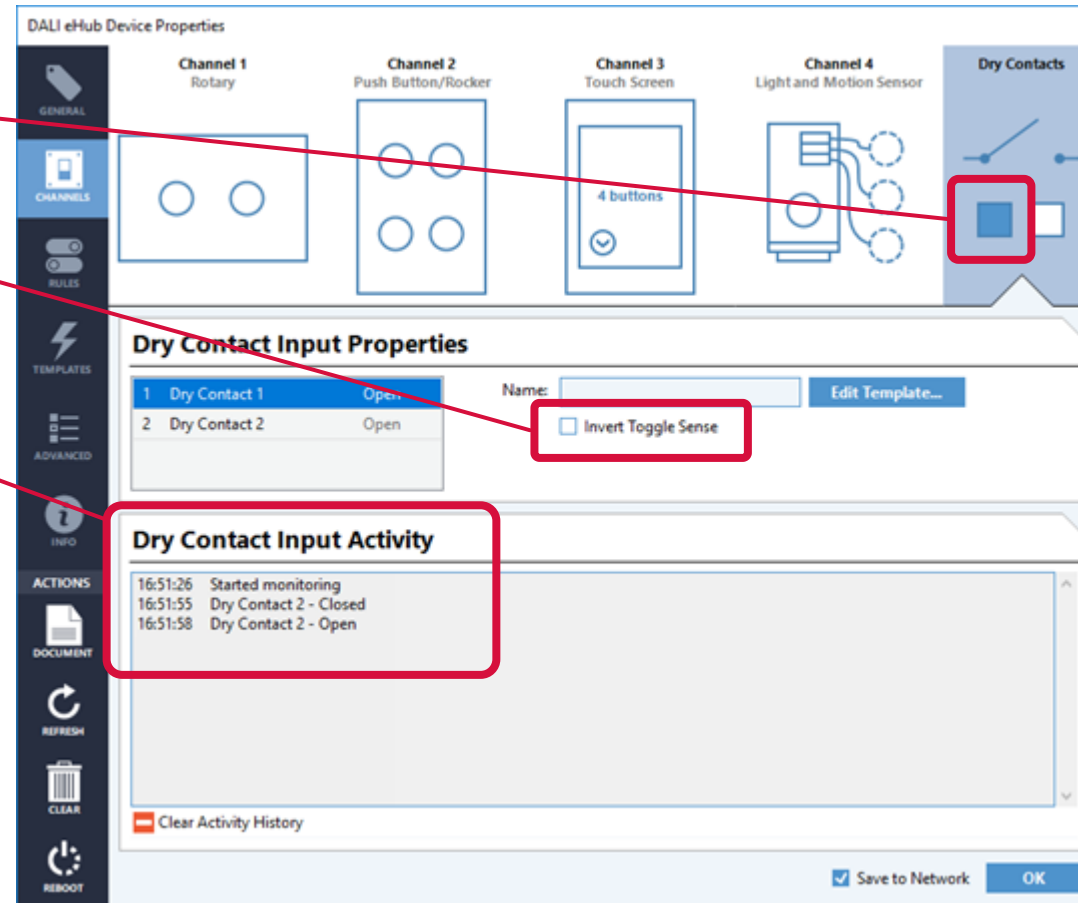
Name:

☒ Save to Network

# COMMISSIONING EHUBS – DRY CONTACT INPUTS

## Dry Contact Properties

- 1. Select Dry Contact Input
- 2. Invert (if required)
- 3. Use Activity Window to observe dry contact state.

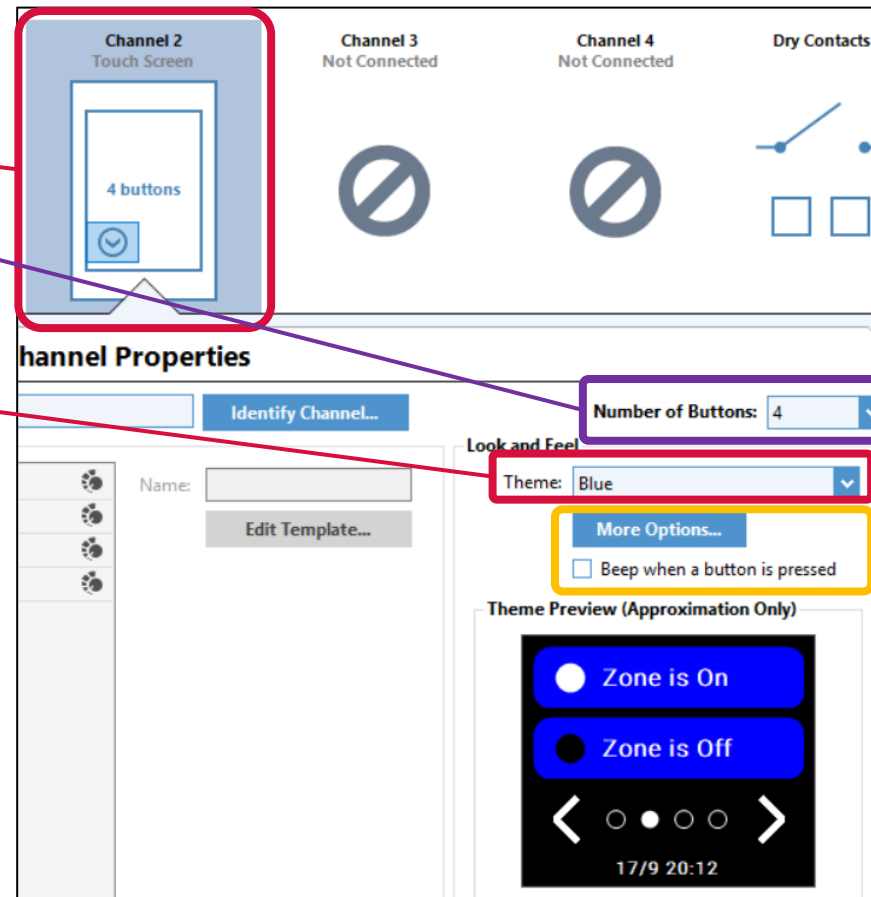


The screenshot displays the 'DALI eHub Device Properties' window. The 'CHANNELS' tab is selected, showing four channels: Channel 1 (Rotary), Channel 2 (Push Button/Rocker), Channel 3 (Touch Screen), and Channel 4 (Light and Motion Sensor). A red box highlights the 'Dry Contacts' icon in the top right corner. Below this, the 'Dry Contact Input Properties' section is visible, showing a table with two entries: 'Dry Contact 1' and 'Dry Contact 2', both set to 'Open'. A red box highlights the 'Invert Toggle Sense' checkbox, which is currently unchecked. Below the properties section, the 'Dry Contact Input Activity' window shows a log of events: '16:51:26 Started monitoring', '16:51:55 Dry Contact 2 - Closed', and '16:51:58 Dry Contact 2 - Open'. A red box highlights this activity window. At the bottom right, there is a 'Save to Network' checkbox (checked) and an 'OK' button.

# COMMISSIONING EHUBS – TOUCH SCREENS

## Touch Screen Properties

- 1. Select Channel
- 2. Select number of buttons
  - 1 – 24
- 3. Select Colour Theme.



More options

# COMMISSIONING EHUBS – TOUCH SCREENS

## Touch Screen Properties

- 4. More options
  - Fall-back (time-out) page
  - Date/Time
  - Brightness.

DALI eHub Touch Screen Settings

More eHub Touch Screen Settings

Configure the fallback page, the date and time format, and the brightness of the touch screen below.

Fallback Page

Fallback Page: No Fallback Page

Fallback Timeout: 30 seconds

Date/Time Display

Format: DD/MM HH:mm

Language: English

Hour Display: 12 hr 24 hr

Screen Brightness

Brightness when Active: 100%

☒ Dim to Idle Brightness After Inactivity

Idle Timeout: 10 mins

Brightness when Idle: 73%

OK

Cancel

# COMMISSIONING RAPIX DEVICES

TEMPLATES



# COMMISSIONING RAPIX DEVICES - TEMPLATES

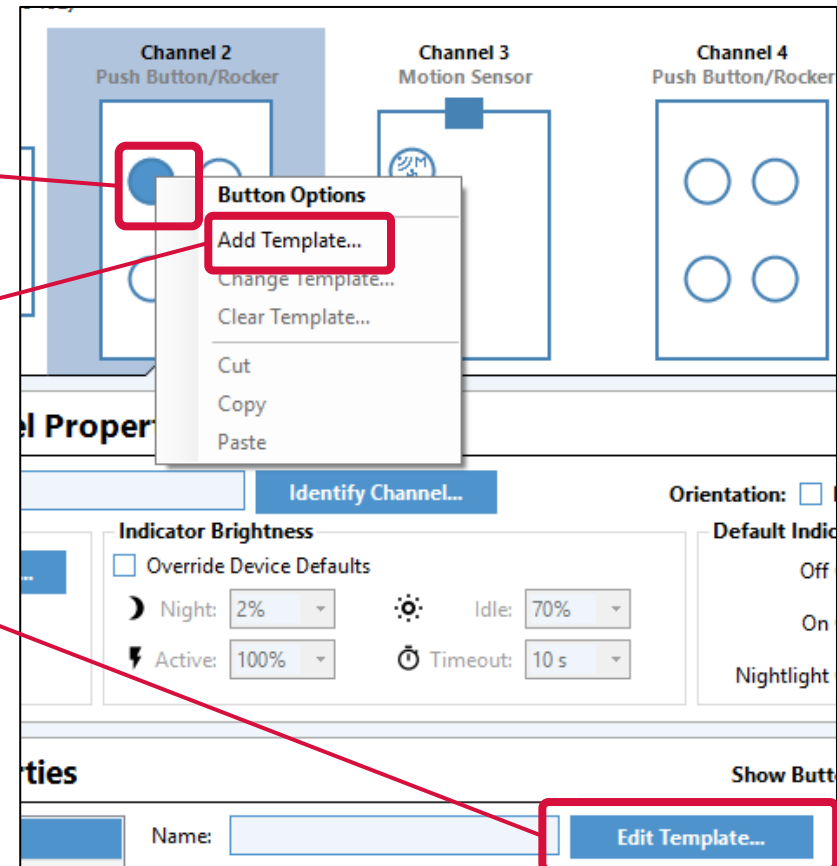
## Templates

- A Template is a set of functions for one or more RAPIX Device inputs.
- Templates provide the system intelligence:
  - Simple configuration of functionality
    - All configuration for the function is together.
  - Can be customised.
- There are Templates for many requirements:
  - Switching;
  - Dimming;
  - Timing;
  - Motion sensing;
  - Light level control;
  - Etc.

# COMMISSIONING RAPIX DEVICES - TEMPLATES

## Adding a template

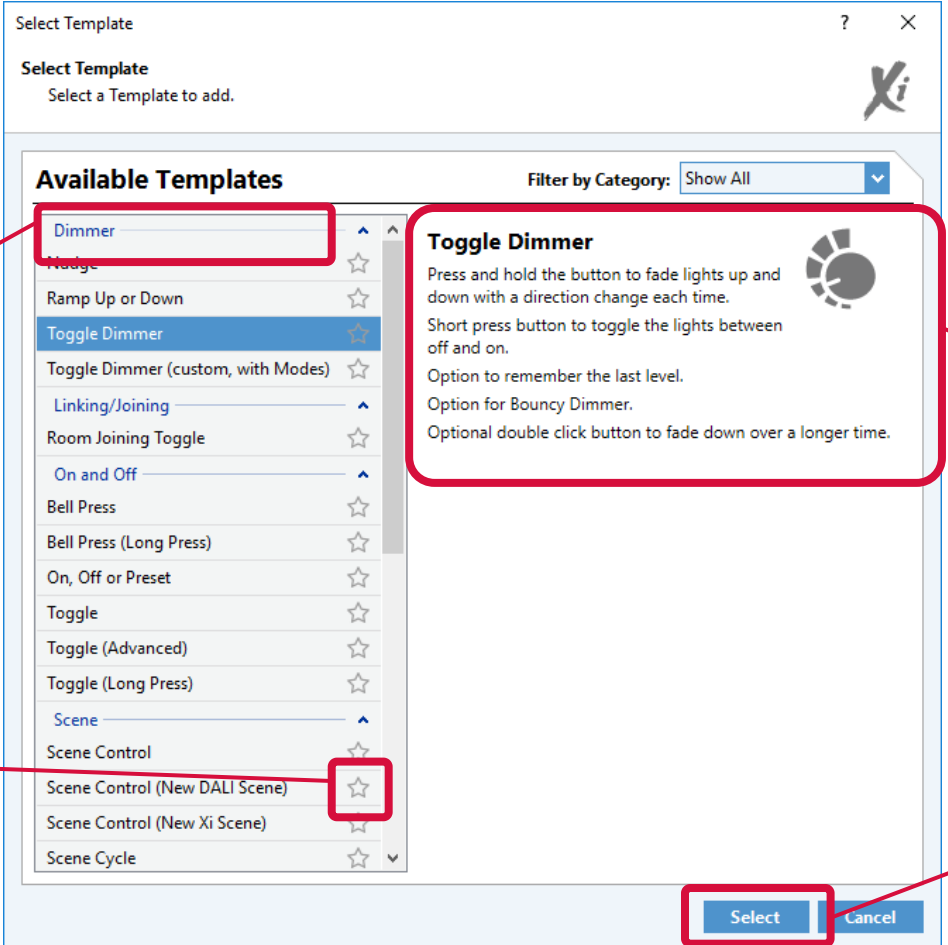
- 1. Select the input
- 2. Either:
  - Double-click; or
  - Right-click and select **Add Template**; or
  - Click **Edit Template**



# COMMISSIONING RAPIX DEVICES - TEMPLATES

## Adding a template

- 3. Select the template from the list



The screenshot shows the 'Select Template' dialog box. It features a list of 'Available Templates' on the left and a detailed description of the selected template on the right. Red annotations highlight key interactive elements:

- Template Category:** A red box highlights the 'Dimmer' category in the 'Available Templates' list.
- Selected Template Description:** A red box highlights the description for the 'Toggle Dimmer' template, which includes instructions on how to use the button (press and hold to fade, short press to toggle) and options like 'remember the last level' and 'Bouncy Dimmer'.
- Click on the star to make template a "favourite" and show it at the top:** A red box highlights the star icon next to the 'Scene Control (New DALI Scene)' template.
- Click to add selected template:** A red box highlights the 'Select' button at the bottom right of the dialog.



# COMMISSIONING RAPIX DEVICES - TEMPLATES

## Adding a template

- 4. Edit the template properties

Template settings and options

Template general description

Template detailed function description

- 5. Click on OK

Toggle Dimmer

**Toggle Dimmer**

Press and hold the button to fade lights up and down with a direction change each time.  
Short press button to toggle the lights between off and on.  
Option to remember the last level.  
Option for Bouncy Dimmer.  
Optional double click button to fade down over a longer time.

Button Channel 2 - Button 1

Light Office 1

Local Member Group 0 - G0

Dimmer Ramp Rate 4.0s (from Off to fully On)

☐ Switch on at last level

☐ Bouncy Dimmer

Double Click

Double-click Function None

**Summary**

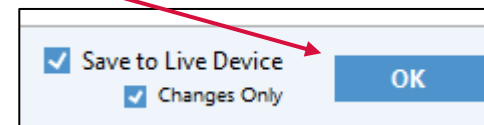
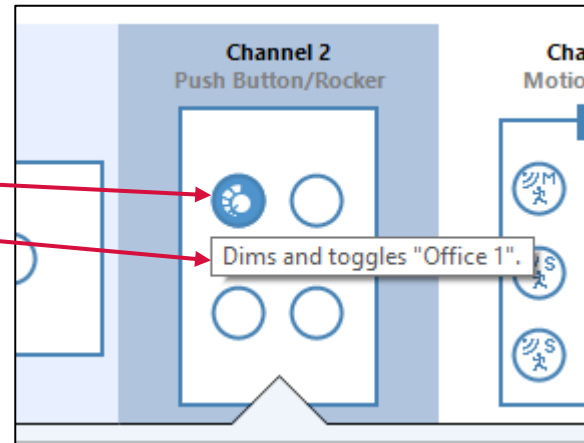
Press and hold button "Channel 2 - Button 1" to fade "Office 1" up and down with fade rate 4.0s (from Off to fully On) with a direction change each time. Short press the button to toggle the lights between off and on.

OK Cancel

# COMMISSIONING RAPIX DEVICES - TEMPLATES

## Adding a template

- 6. The new function will appear
  - Icon shows function
  - Pop-up hint shows detail
  
- 7. When finished, click **OK**
  - Always saves to database
  - Select **Save to Live Device** to save to device
  - Select **Changes Only** to just save what has changed (faster)

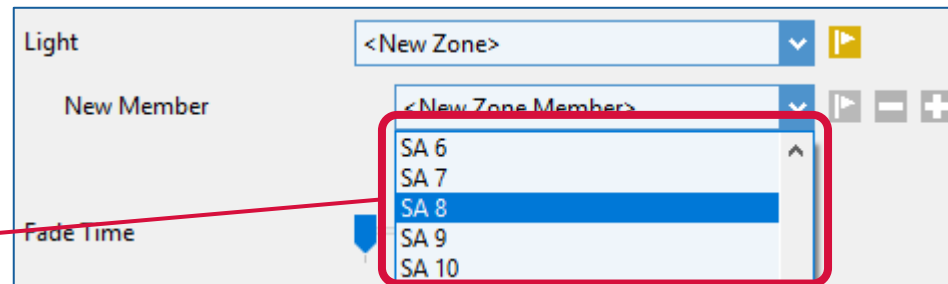
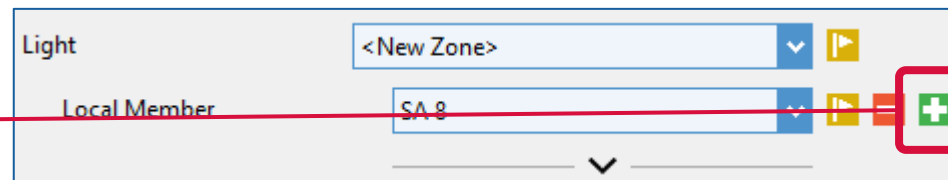
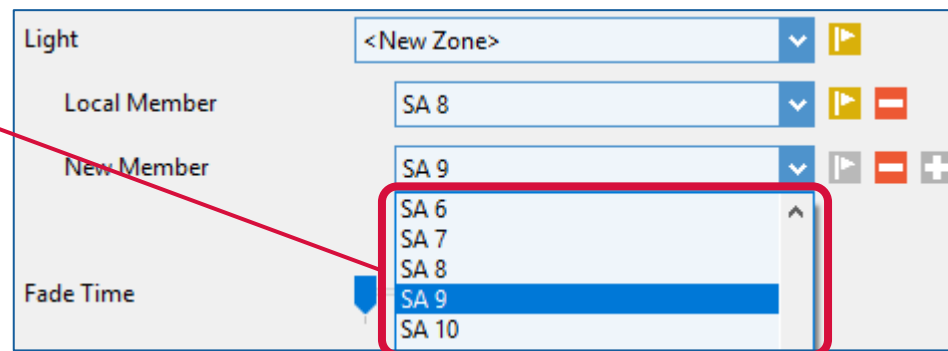


# COMMISSIONING RAPIX DEVICES - TEMPLATES

## Editing a Template

### ■ Creating a Zone

- Select first member
- If there are more members:
  1. Click the Add button
  2. Select Member
  3. Repeat as required.

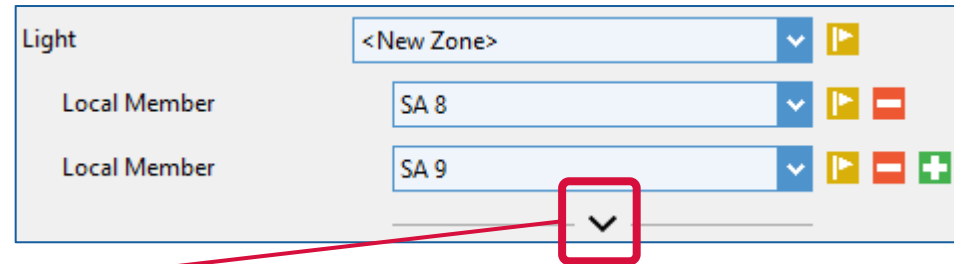
# COMMISSIONING RAPIX DEVICES - TEMPLATES

## Editing a Template

### ■ Creating a Zone

#### ■ Name the Zone (optional)

1. Click the expand button
2. Enter name.



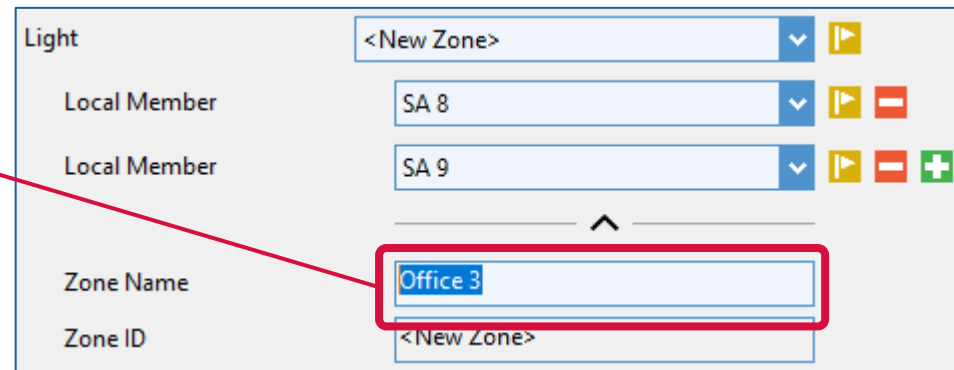
Light

<New Zone>

Local Member SA 8

Local Member SA 9

Expand button (downward arrow)



Light

<New Zone>

Local Member SA 8

Local Member SA 9

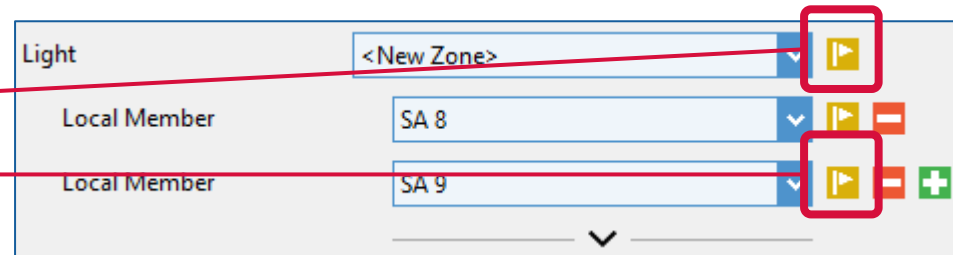
Zone Name Office 3

Zone ID <New Zone>

# COMMISSIONING RAPIX DEVICES - TEMPLATES

## Editing a Template

- Checking the Zone
  - Click the identify button
    - Zone identify; or
    - Zone Member identify
  - The Zone devices will flash.



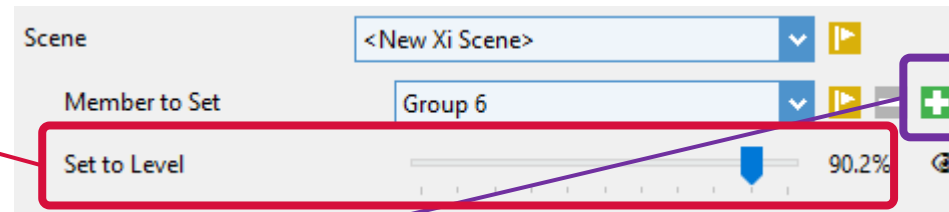
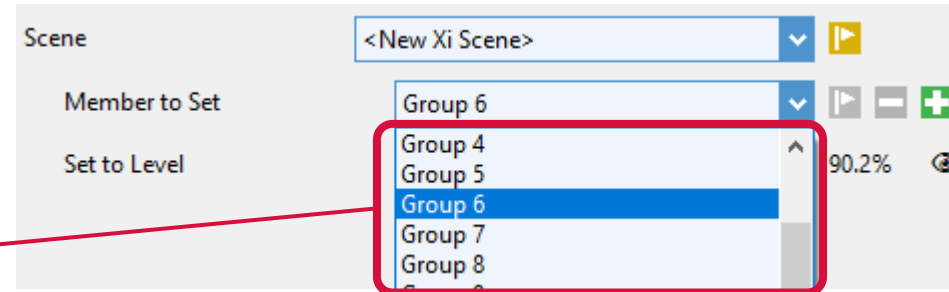
Light	<New Zone>	[identify]
Local Member	SA 8	[identify] [minus]
Local Member	SA 9	[identify] [minus] [plus]

# COMMISSIONING RAPIX DEVICES - TEMPLATES

## Editing a Template

### ■ Creating a Scene

- 1. Select first member
- 2. Select level



- 3. If there are more members with the same level:
  - 1. Click the **Add** button
  - 2. Select Member
  - 3. Repeat as required.

# COMMISSIONING RAPIX DEVICES - TEMPLATES

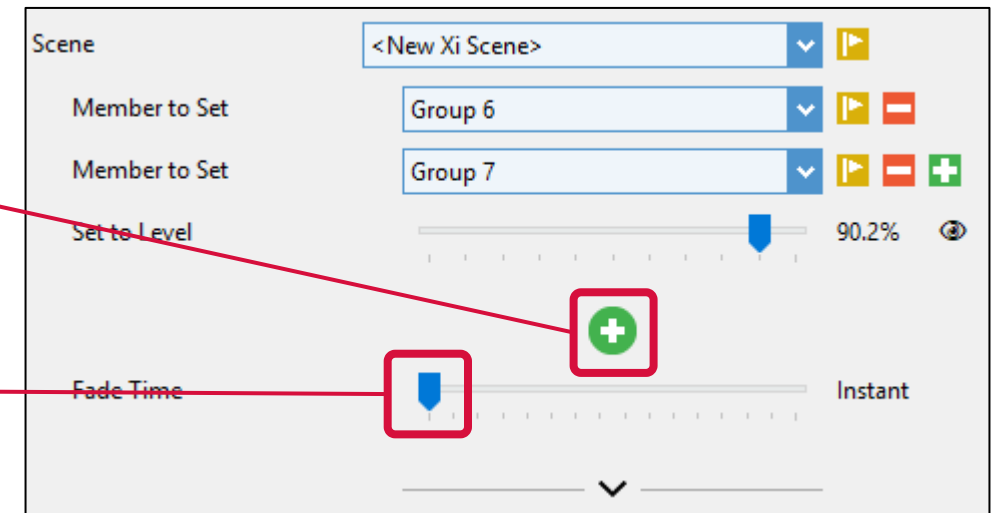
## Editing a Template

### ■ Creating a Scene

#### ■ 4. If there are more members with a different level:

1. Click the **Add** button
2. Select Member and level
3. Repeat as required

#### ■ 5. Select the Fade Time.



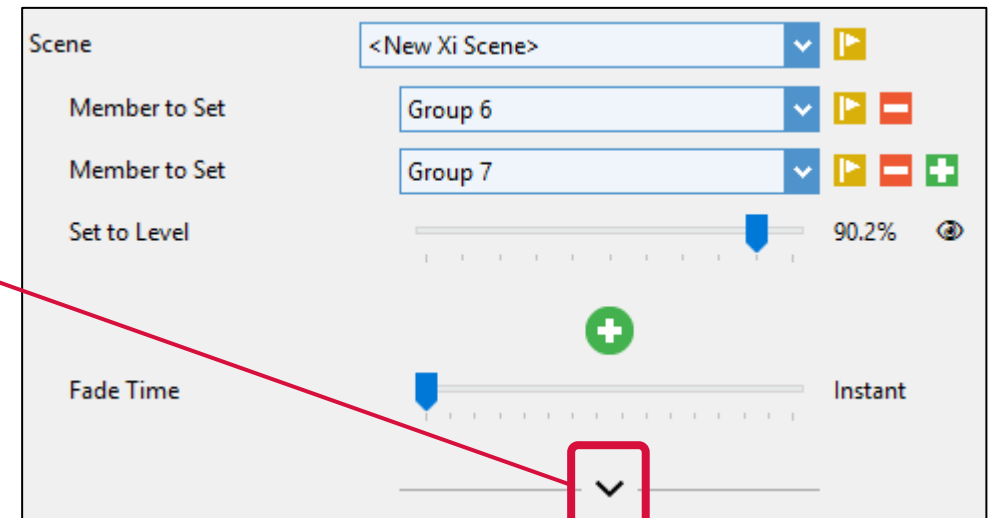
# COMMISSIONING RAPIX DEVICES - TEMPLATES

## Editing a Template

### ■ Creating a Scene

#### ■ 6. Name the Scene (optional)

1. Click the expand button
2. Enter name.



The screenshot shows the 'Scene' configuration panel in the RAPIX device commissioning software. The panel includes the following elements:

- Scene:** A dropdown menu set to '<New Xi Scene>' with a blue expand button (a small downward arrow) to its right.
- Member to Set:** Two entries, 'Group 6' and 'Group 7', each with a blue expand button to its right.
- Set to Level:** A horizontal slider bar with a blue arrowhead pointing to 90.2%.
- Fade Time:** A horizontal slider bar with a blue arrowhead pointing to 'Instant'.
- Expand Button:** A small downward arrow button at the bottom of the panel, highlighted with a red square and a red line pointing from the instruction 'Click the expand button'.



# COMMISSIONING RAPIX DEVICES - TEMPLATES

## Editing a Template

- Checking the Scene

- Click the identify button

- Scene identify; or
    - Scene Member identify

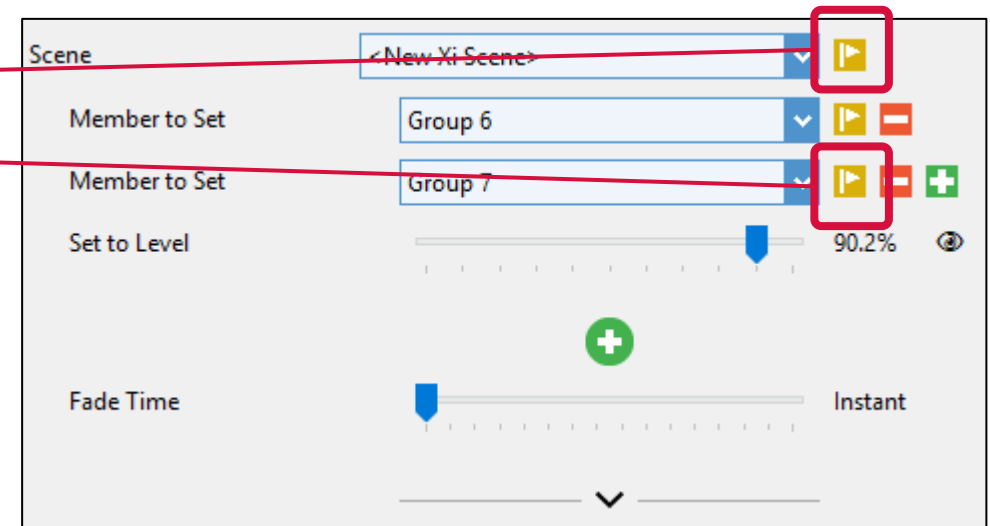
- The Scene devices will flash

- To check the Scene levels:

- Click the **Visualise Scene** button:



- This will apply the scene when the button is pressed.

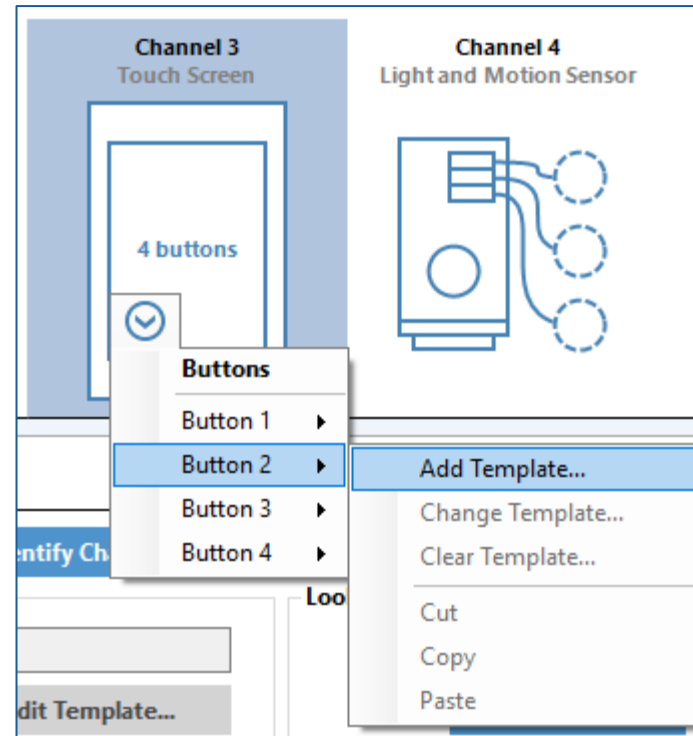


# COMMISSIONING RAPIX DEVICES – TEMPLATES

## Touch Screen Templates

### ■ Adding Templates

1. Click drop-down list of buttons
2. Select button
3. Click **Add Template.**

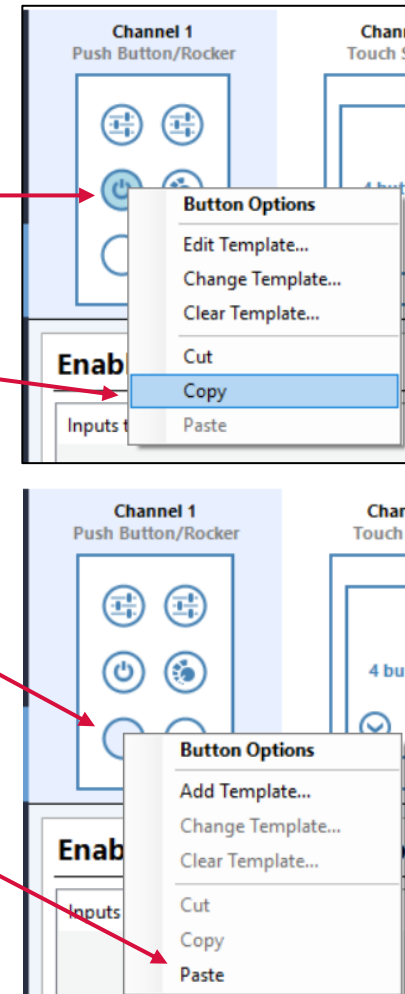


# COMMISSIONING RAPIX DEVICES - TEMPLATES

## Copying a template

- To copy a template from one input to another
  - 1. Right click an input
  - 2. Select **Copy**
  - 3. Right-click the second input
  - 4. Select **Paste**
  - 5. The second button will now do the same as the first one

*Note that you can copy a template from one RAPIX Device to another*



# COMMISSIONING RAPIX DEVICES - TEMPLATES

## Moving a template

- To move a template from one input to another (does not apply to RAPIX Sensor)
  - Option 1
    - 1. Right click an input
    - 2. Select **Cut**
    - 3. Right-click the second input
    - 4. Select **Paste**.
  - Option 2
    - 1. Left-click on an input
    - 2. Drag template to the second input
    - 3. Drop.

# COMMISSIONING RAPIX DEVICES - TEMPLATES

## Clearing a template

- To clear the template from an input
  1. Right click an input
  2. Select **Clear Template.**

# COMMISSIONING RAPIX DEVICES - TEMPLATES

## Changing a template

### ■ Option 1

1. Clear the template
2. Add a new template.

### ■ Option 2

- It is possible to change from one template to a similar template
  - Properties that match will be copied across:
    1. Right-click the input
    2. Select **Change Template**
    3. Select the new template
    4. Check that the properties are correct
    5. Click on **OK**.

# EXERCISE 3

COMMISSIONING AN EHUB



# INTERNAL EVENT TEMPLATES

ADVANCED FEATURES





# INTERNAL EVENT TEMPLATES

## Internal Events

### ■ Types

1. Power-up
2. Timer tick (4 times per second)
3. Operating Property Change
4. Flag Change

### ■ Usage

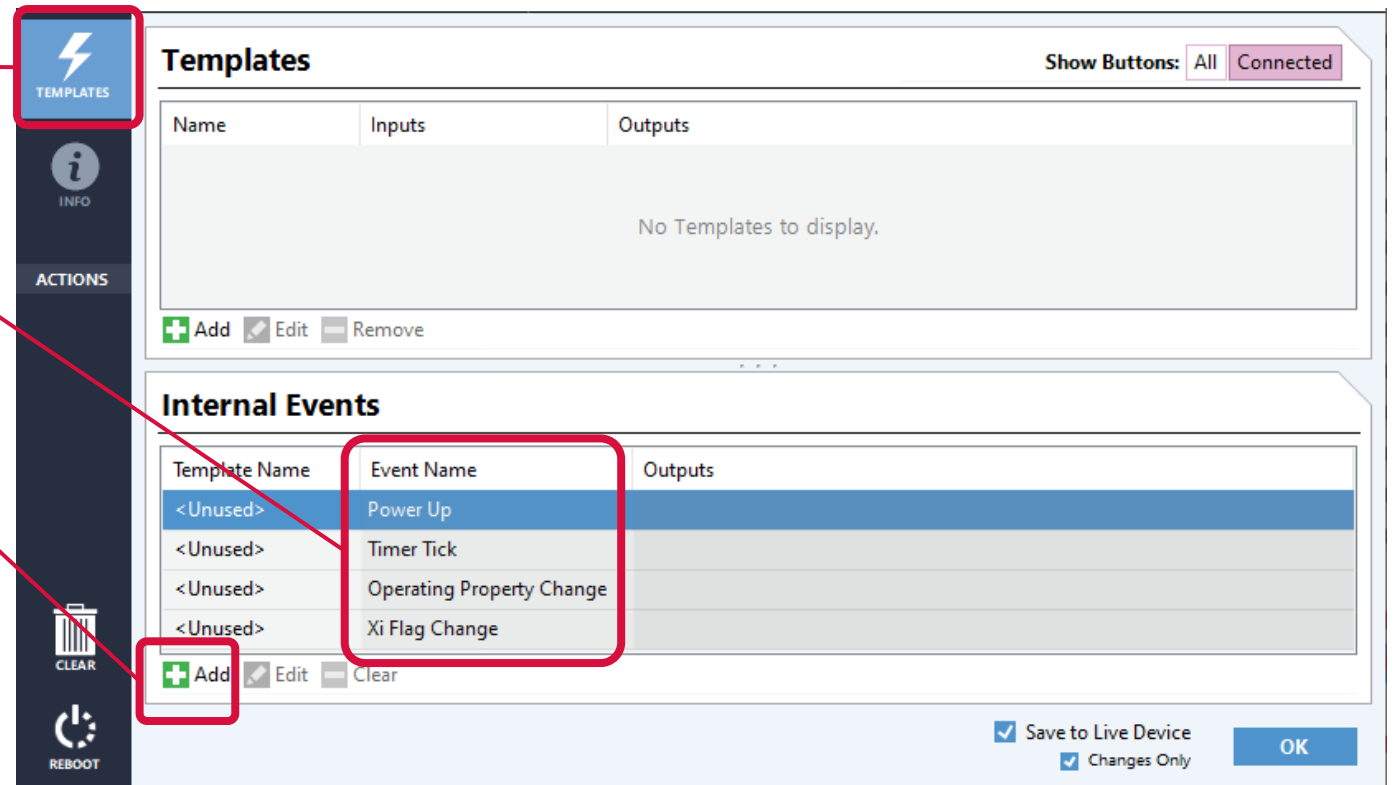
- Templates can use the internal events
- Each internal event can only be used by one template in each RAPIX Device

# INTERNAL EVENT TEMPLATES

## Internal Events

### ■ Editing Templates

1. Select templates tab
2. Select the internal event
3. Click the **Add** button
4. Edit the template as described previously



The screenshot shows the OZUNO interface with a sidebar on the left containing icons for TEMPLATES, INFO, ACTIONS, CLEAR, and REBOOT. The main area is divided into two sections: 'Templates' and 'Internal Events'.

**Templates Section:**

- Buttons: Show Buttons: All Connected
- Table with columns: Name, Inputs, Outputs
- Message: No Templates to display.
- Buttons: + Add, Edit, Remove

**Internal Events Section:**

- Buttons: + Add, Edit, Clear
- Table with columns: Template Name, Event Name, Outputs
- Table Data:
 

Template Name	Event Name	Outputs
<Unused>	Power Up	
<Unused>	Timer Tick	
<Unused>	Operating Property Change	
<Unused>	Xi Flag Change	

At the bottom right, there are checkboxes for 'Save to Live Device' and 'Changes Only', and an 'OK' button.

# EDITING TEMPLATES

ADVANCED FEATURES



# EDITING TEMPLATES

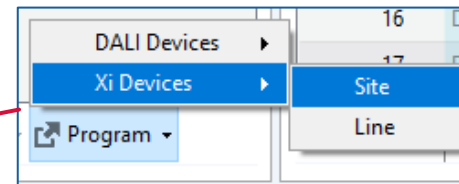
## Global Edit

- Allows editing of a template property in:
  - All RAPIX DEVICES on a DALI Line
  - All RAPIX DEVICES in the site
- There are filtering options to enable selection of specific template instances

# EDITING TEMPLATES

To Global Edit a Template Parameter:

1. Select **Program** for **RAPIX DEVICES**
2. Select the template and parameter
3. Optionally select the mode
4. Optionally select a current value
5. Select the new value
6. Click on **Apply to Database**
7. Repeat steps 1 to 6 if required
8. Click on **Close**
9. Sync to save the changes



Configure Multiple Xi Devices On Site

Configure Multiple Xi Devices On Site  
Allows template parameters to be replaced in all Xi devices in the site.  
*Note: this feature can change programming in all your eHubs and other Xi devices, so it is recommended that you create a backup copy of the project using menu Save Copy As before clicking the Apply to Database button below.*

Template: Motion Sensor with Exit Delay (ID 103)

Parameter: Dwell Duration

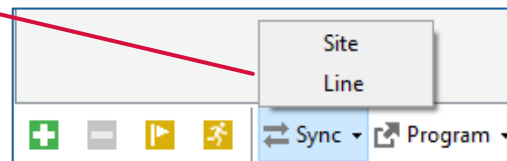
Mode: Default Mode

Apply To: Templates with selected value

Dwell Duration: 0 h 5 m 0 s

New Value: Dwell Duration: 0 h 10 m 0 s

Close Apply to Database



# COMMISSIONING EHUBS

ADVANCED FEATURES



# COMMISSIONING EHUBS – ADVANCED FEATURES

## Advanced Features

- IP Address
  - It is recommended that a static (fixed) IP Address is used.

### Network Settings

☐ Obtain IP Address automatically
 ☒ Use the following IP Address:

IP Address:

192

168

16

97

Subnet Mask:

255

255

255

0

☐ Use Gateway

Gateway Address:

0

0

0

0



# COMMISSIONING EHUBS – ADVANCED FEATURES

## Advanced Features

- Time
  - The eHub only needs to know the time if it has touch screens connected.
  - If the project has Zone Controllers, let them look after the time synchronization.
  - Otherwise, the eHub should use NTP to get the time.


### Network Time

#### Sync Time over DALI

- ☒ Accept time updates from Zone Controller
- This allows this DALI eHub to accept time messages sent over DALI from the Zone Controller. This option is highly recommended if you have Zone Controllers installed.



#### Sync Time over Ethernet

 To synchronise date and time over Ethernet using NTP, please ensure that the Time Zone is set up correctly in this Project's settings. Go to the Site tab of the Project for more details.

- ☐ Query NTP server for time
- This allows this DALI eHub to query an NTP server at the specified IP address for the current date and time.

NTP Server IP:  .  .  .

- ☐ Accept NTP messages over Ethernet

This allows this DALI eHub to accept NTP messages that are broadcast over Ethernet.



# COMMISSIONING EHUBS – ADVANCED FEATURES

## Advanced Features


- Remote Control
  - An eHub can be controlled via Ethernet by a third-party system or device.
  - An eHub will only accept a connection from a single IP Address.
  - Refer to the RAPIX API presentation for details.

### Remote AV Control

☒ Enable Remote AV Control

This allows this DALI eHub to be remotely controlled via an unsecured DGCM connection from a trusted IP address.

Trusted Client IP:     Port: 36689



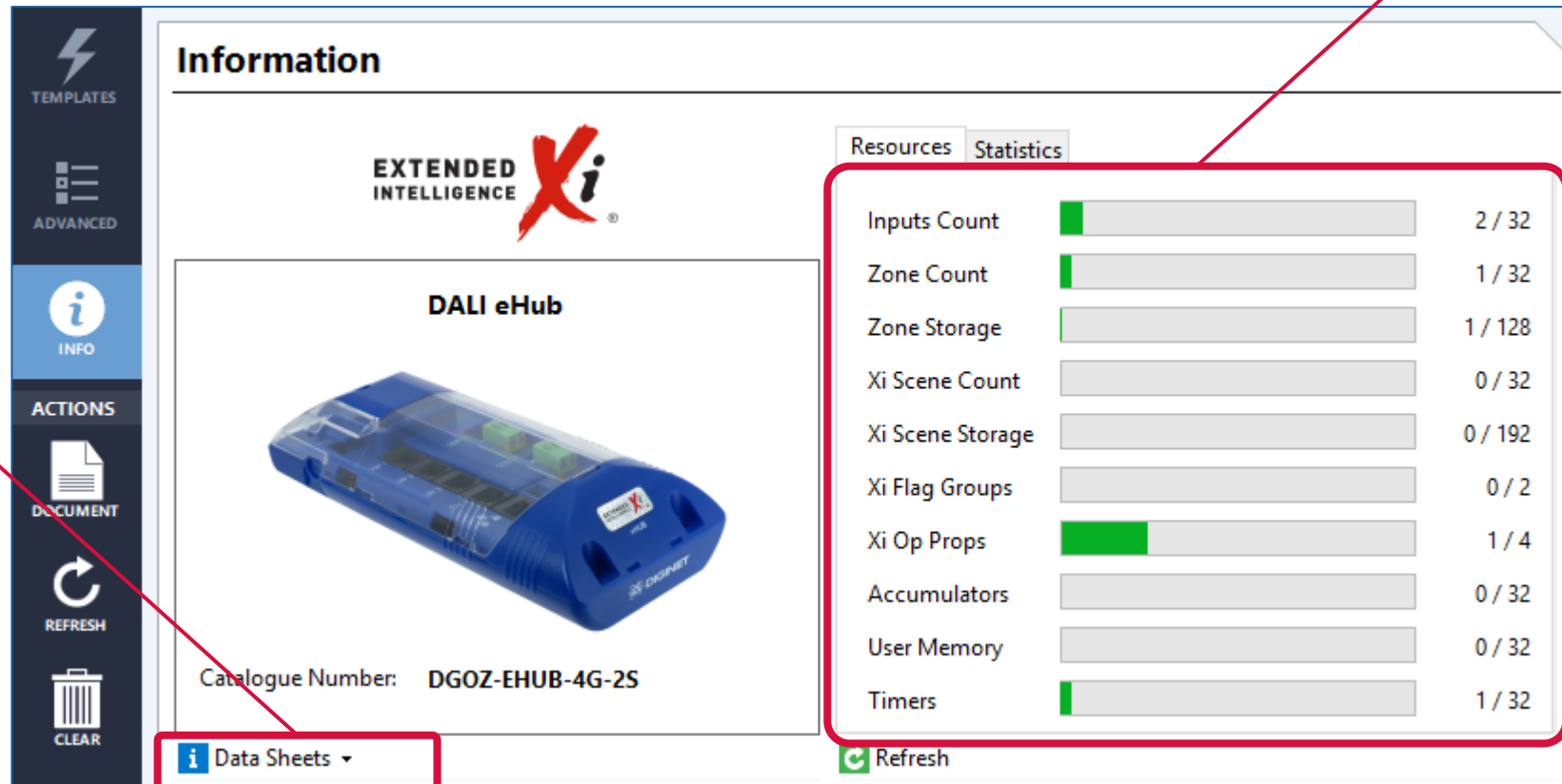
# COMMISSIONING EHUBS – ADVANCED FEATURES

## Advanced Features

### ■ Device Info

How much of each  
“resource” has been used

Data  
Sheets



The screenshot displays the 'Information' page for a DALI eHub. The left sidebar contains navigation options: TEMPLATES, ADVANCED, INFO, ACTIONS, DOCUMENT, REFRESH, and CLEAR. The main content area shows the 'EXTENDED INTELLIGENCE Xi' logo, a photo of the DALI eHub device, and its catalogue number: DGOZ-EHUB-4G-2S. A 'Resources' tab is active, showing a table of resource usage statistics. A red box highlights this table, and a red arrow points from the text 'How much of each “resource” has been used' to it. Another red box highlights the 'Data Sheets' link in the bottom left, with a red arrow pointing from the text 'Data Sheets' to it.

Resource	Usage	Limit
Inputs Count	2 / 32	32
Zone Count	1 / 32	32
Zone Storage	1 / 128	128
Xi Scene Count	0 / 32	32
Xi Scene Storage	0 / 192	192
Xi Flag Groups	0 / 2	2
Xi Op Props	1 / 4	4
Accumulators	0 / 32	32
User Memory	0 / 32	32
Timers	1 / 32	32

Buttons: Data Sheets, Refresh

# COMMISSIONING EHUBS – ADVANCED FEATURES

## Advanced Features

- Enable/Disable Rules
  - See RAPIX Integrator presentation.

TOOLS

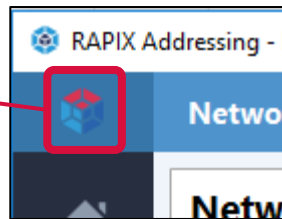


# TOOLS

- Logging, testing and debugging
  - See RAPIX Testing and Debugging presentation.

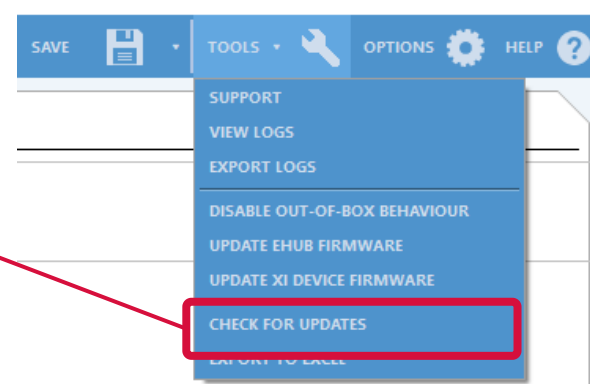
- Software Details

- Click icon.



- Software Update

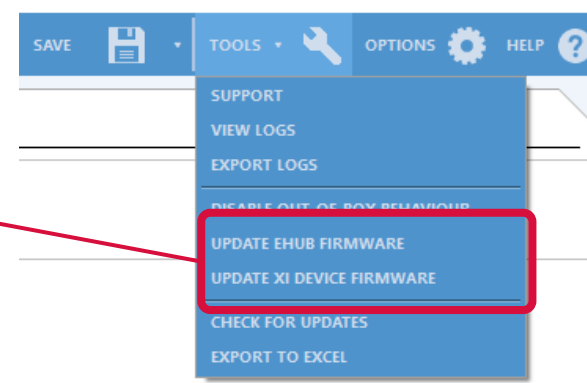
- Select menu item.



# TOOLS

## ■ Device Firmware Updates

1. Select menu item
2. Select firmware file
3. Follow on-screen instructions.



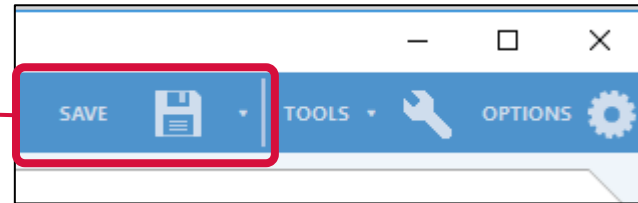
# OPTIONS



# OPTIONS

## Saving the Project

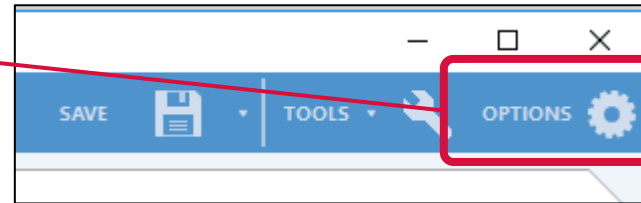
1. Click Save button
2. Enter file name.





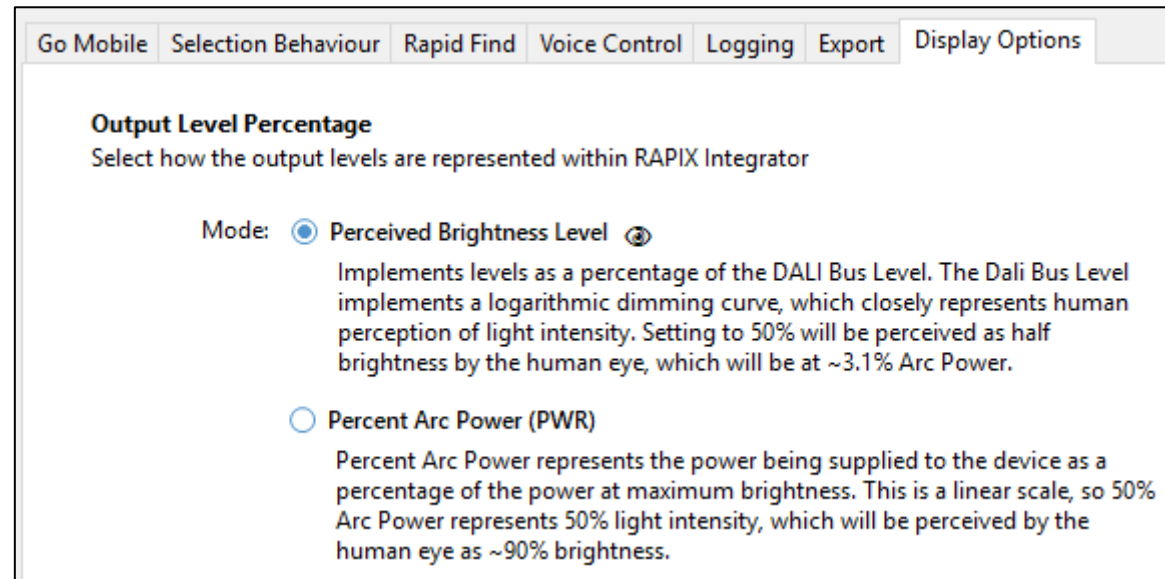
# OPTIONS

## Software Options



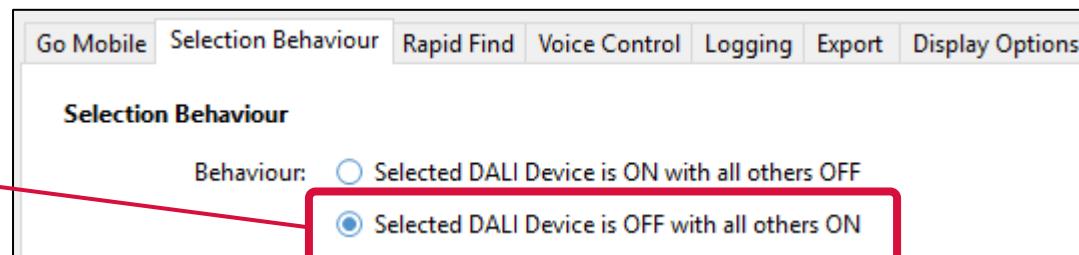
## DALI Levels

- Perceived Brightness Level is generally the most useful



# OPTIONS

If you are working with a site that is occupied, you will want to leave lights on as much as possible

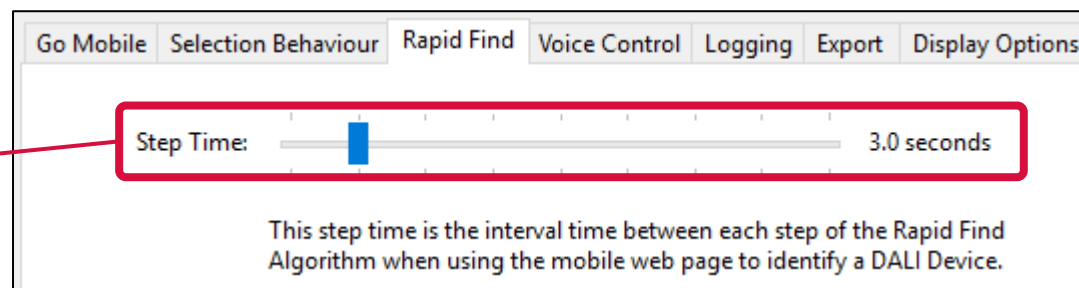


Go Mobile Selection Behaviour Rapid Find Voice Control Logging Export Display Options

**Selection Behaviour**

Behaviour: ☐ Selected DALI Device is ON with all others OFF  
☒ Selected DALI Device is OFF with all others ON

If you are using lights that switch slowly, you may need to slow the Rapid Find



Go Mobile Selection Behaviour Rapid Find Voice Control Logging Export Display Options

Step Time:  3.0 seconds

This step time is the interval time between each step of the Rapid Find Algorithm when using the mobile web page to identify a DALI Device.