

## Smart Light Control App Quick user guide

#### Version 1.0.1 | Document Release July, 2019

The products and functionality described are subject to change without prior notice, due to themanufacturer's continuous development program. Please refer to iguzzini.com/smart-light-control/ for up-to-date materials



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## 2. Overview

iGuzzini Quick Bluetooth System provides end to end user experience providing hardware interfaces and bridge, an app and cloud-based functionality. Quick Bluetooth system combines its innovative Mesh technology with plug and play modules to get a devices networked in minutes without any additional hardware. This document addresses the architecture of SLP Platform and its components.

# 3. iGuzzini Smart Light Control app 🔛

Smart Light Control is a mobile application used to provision and control iGuzzini interfaces and luminaires Bluetooth controlled. The user may use her/his smartphone with BLE capabilities to pair/configure the compatible smart devices using this application. Once paired, these devices can be controlled individually and as a group as per the user's preference. The application also permits remote operations with the inclusion of the BLE-WiFi bridge device (code PA59) in the setup.

App Store

Google Play

# 4. Key Benefits

- BLE Luminaires and BLE-DALI interfaces can be controlled from App.
- Multiple scenes can be configured and invoked.
- Scene invoke can be scheduled (needs BLE-WiFi bridge PA59 for real time clock).
- Supports device level, group level and space level operations
- Supports remote operation (needs BLE-WiFi bridge PA59)
- Supports sensor association and operation.
- Supports operation from widget storing "favourite" items in the app
- Multi-User system: sub-users can be created and privileges can be granted.

- Multi-network operation: a maximum of 8 individual networks (locations) can be created for the same account.
- Some BLE-DALI interfaces can controls 0-10 V drivers (interface works in source mode, drivers in sink mode, ask to iGuzzini for any doubt)
- DALI DT6 compatible and DALI DT8 compatible for Tunable white



# 6. Create an account

#### Follow the below given steps for creating a new account:

- a) Click "CREATE ACCOUNT" button in home screen
- b) Privacy details screen appears. Click "Next" button.
- c) Enter username (e.g. "Owner")
- d) Enter email id.
- e) Click on "Verify E-mail" button. OTP to verify the email will be sent to the registered email.
- f) Enter the received OTP in the "OTP" field.
- g) Choose ed enter a domain name (e.g. QuickBLE1"). Click on "Check" button corresponding to domain name field, if user needs to check whether the entered domain name is valid.
- h) Enter password in "Password" and "Confirm Password" fields
- i) Click on "Create Account" button.

On a successful sign up, a new account is created.

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Sign in	Access Photos, media and files - Customize button design	iguzzini 1 2 3 4 5 6 7 8 0 0 Q W e r t y u i o p	Password &
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Figure 3 Create account and sign in

# 7. Locations (or networks)

On successful sign in, "Location" screen will be displayed. User can either select the default location or create a new location.

Location (or Network) : The user can group the "world" of BLE-DALI interfaces and BLE luminaires, based on her/his location while commissioning the devices. For example, the user may find it convenient to group the smart devices in her/his office under the location (or network) 'OFFICE' and the smart devices in her/his home under the location 'HOME'. These locations can be named as per the user's desire or convenience. Locations can also be used to enlarge the number of controlled luminaires/addresses, splitting-up the whole system into several networks (e.g network "floor 1", network "floor 2", network "floor 3".....)

### Selecting existing location (network)

User can select the existing location by tapping on the default location and clicking "Ok" of success message.

## **Creating Location (or network)**

#### Follow the below given steps if user needs to create a location:

- a) To create a new location, click on the plus button (+).
- b) Enter location name in the input box and click "Ok"

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Figure 7 Add location

# 8. Side menu options

User can view the side menu options by clicking on the hamburger menu on the top left end of dashboard or swiping the finger from left.





**Note**: App is providing an shortcut option to navigate quickly to "Lighting Control" screen from all screens. User can double tap on the screen name which will take the control to "Lighting Control" screen

E.g.: if the app is showing "Scene Settings" screen, double tap on the screen name "Scene Settings" will navigate to "Lighting Control"



# 9. Commissioning

**Wireless Setting:** Wireless setting option can be accessed to commission devices. Device commissioning is a set of processes including scanning, testing and pairing of interfaces BLE-DALI and Bluetooth Luminaires.

Scan : Scan discovers all devices in the BLE range.

**Testing** : "Test" button is used to test the intended device if there are multiple devices and user do not have any idea of devices that are to be paired. Testing establishes a connection

between remote device and the application and. This operation will cause all the luminaires connected to the relevant BLE-DALI interface to flash continuously. By pressing the test button again the flashing will stop and it will be possible to press the test of a further interface. This will make it easier to identify the installed interfaces/Bluetooth luminaires.

#### Follow the below given steps to commission devices:

- a) Select "Wireless Setting" from the side menu.
- b) Put the Interface or BLE Luminaire in pairing mode by power cycling it OFF/ON.
   IMPORTANT: From the power on, for security reasons, YOU HAVE MAX 3
   MINUTES to search for the interfaces. After 3 min, the interfaces will be no more visible.

In this case do again a power cycling it OFF/ON to see again the interfaces.

- c) Click on "Scan" button on the top right end of "Wireless Setting" page.
- d) Once the device gets advertised, click on "Test" to test the device and then click "ADD" button to get it paired.



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Figure 14 interfaces found on the network

- e) Enter OLD security code (e.g. 0000)
- f) Rename the device if needed (e.g. BLE-DALI 32).
- g) Click "Ok"
- h) The Reset button can be selected if the user doesn't know the security code.
- i) Select a group from the groups list to which the device has to be associated. Click "Ok" (if needed). When you do a **mock up, it's recommended to use the code 0000**.

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# **10. Device Setting**

**Device settings:** Device settings page displays device details (device name, security code, max level, min level, fade time, software version, firmware version) and properties (device test, PIR Trigger settings, sensor lockout time).

Properties corresponding to individual device can be set from this page.

- a) Paired device can be seen under "Devices" of "Device Setting" page.
- b) Click on the right arrow at the right end of paired device to view the device details.
- c) Click on the right arrow besides "Additional Settings" to view the additional options.
- d) If any details need to be updated, update the details and click "Save".

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- a. Security Code: User can change the security code here. Once the security code is changed, this device can be paired only using this security code during the pairing process.
- b. **Software Version (Check):** Enables user to read the software version of the device. This is useful to verify the software version after a firmware update.

- c. Device Test: User can tap On/Off button to turn the device On/ Off.
- d. **Device capability:** This property lists out the auxiliary components of the device (if there is any)
- e. **Change mode:** Mode of operation can be changed by accessing this button (in case of dual channel devices)

**Device Test**: ON/OFF operations on the particular light can be performed using the ON/OFF buttons placed corresponding to "Device Test" in the "Device Info".

## **Device Test**



Figure 21 Device test



# **11. Association and Operation**

## **Device group association**

NOTE: Associating a device to at least a single group is mandatory to perform operations. If device is not associated to a group at the time of pairing follow the below mentioned steps for

device group association.

#### Follow the below given steps for associating devices to a group:

- a) Select "Group Setting" from side menu options.
- b) By default, groups will be listed in "Group Settings" page.
- c) Click on the group to which device have to be associated. Control goes to the selected group page.
- d) Click on plus button (+) at the right end of the device name in order to associate that device to the group.



Figure 77 Device group association

#### NOTE : SLM-A DALI

Child devices can be added individually into groups as described below.

#### Follow the below given steps for associating child Dali devices to group:

- a) Select the group to which the child device has to be added.
- b) Click on the paired SLM-A Dali device name.
- c) Click on plus button corresponding to individual child device in order to associate it to group.



Figure 78 Associating child devices

### **Group operations**

Follow the below given steps for performing group operations:

- a) Select "Lighting Control" from side menu options.
- b) From the list of groups, select the group to which the device is associated.
- c) The button inside the seek bars indicate the state of the devices in the group.OFF button indicates that the devices inside are in OFF state
- d) Tap on OFF button for turning ON the devices in the group. The selected group's icon will be displayed inside the intensity and warmness seek bars which indicates that the devices are in ON state.
- e) User can use the sliders for varying the intensity/warmness of the associated devices.



Figure 79 Group operations

## **Creating groups**

Follow the below given steps if user needs to create a group:

- a) Select "Group Setting" from side menu options. Click on plus button (+).
- b) Enter a group name in "Add group" input box and click OK .



Figure 81 Creating groups

## 12. Scenes

**Scene**: A scene is nothing but a group with a predefined set of operations. Scene is a theme which is already set, that can be applied to a group of devices.

### **Creating scenes**

Follow the steps given below if user needs to create scene:

- a) Select "Scene Setting" from side menu options.
- b) By default, there will be 8 scenes. To create a new scene, click on plus button (+).
- c) Enter a scene name in the "Add Scene" input box and click "Ok".

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Figure 98 Creating scene

## Scene configuration Individual scene configuration

If multiple groups are associated to a scene, each of the groups can have separate setting.

While setting the common scene configuration, if "All <sup>groups</sup>" box is unchecked, the individual scene setting will remain as such or else the individual scene setting will be overridden.

Follow the steps given below for configuring a scene:

- a) Click on plus button corresponding to group in order to associate it to scene
- b) Tap on "Settings" icon besides the associated group name
- c) Configure the scene
- d) Click "Ok" button.



Figure 104 Child device association

NOTE: While setting common scene configuration, "All groups" checkbox should be unchecked for the individual scene setting to remain intact.

17 | Page

## 13. Schedule

**Schedule:** The process of scheduling an operation [example : on/off/intensity/] with a particular time period and date , ie, startup time, end time. Schedule status is mandatory.

**WARNING**: THE SCHEDULE IS TIME-SYNCRONIZED VIA THE BLE-WiFi BRIDGE, WORKS WELL ONLY

IF BRIDGE code PA59 IS PRESENT

### **Creating a schedule**

Follow the steps given below if user needs to create a schedule:

- a) Select "Schedule" from side menu options.
- b) By default, there will be 8 schedules. To create a new schedule, click on the plus button (+).
- c) Enter schedule name in the input box and click "Ok".

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### Schedule configuration

Follow the steps given below for configuring a schedule:

- a) Select a schedule from the list.
- b) Select the configured scene that is to be scheduled.
- c) Click on "Settings" button.

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Figure 114 Deleting device



## 14. User Management

**User management:** App provides the feature of editing the privileges of root user. Sub-users can be created and by default all the privileges will be granted for these subusers on all locations of the account. These privileges can be restricted on selected locations.

## Editing the details of root user

Follow the steps given below if user needs to edit the details of root user:

- a) Select "User" option from the side menu.
- b) "User Settings" page will be displayed with the root admin name.
- c) Tap on root admin icon to view the details.
- d) Click on "Edit" for editing the details.
- e) Enter the password in "Password" and "Confirm Password" fields, if needed. f) Click "Next"
- g) All the locations in the account will be listed under "Locations". Any location can be selected and the privileges that need to be granted can be checked. Click "Save changes" button.





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- Scene invoke can be scheduled (needs BLE-WiFi bridge PA59 for real time clock).
- Supports device level, group level and space level operations
- Supports remote operation (needs BLE-WiFi bridge PA59)
- Supports sensor association and operation.
- Supports operation from widget storing "favourite" items in the app
- Multi-User system: sub-users can be created and privileges can be granted.

- Multi-network operation: a maximum of 8 individual networks (locations) can be created for the same account.
- Some BLE-DALI interfaces can controls 0-10 V drivers (interface works in source mode, drivers in sink mode, ask to iGuzzini for any doubt)
- DALI DT6 compatible and DALI DT8 compatible for Tunable white





## 5. Home screen

After successful installation, when the application is launched, splash screen will be displayed followed by "BLE Checker" screen, along with the permission request.

- 1. Click "ALLOW" of permission request
- 2. Click "CONTINUE" button in the "BLE Checker" screen

"Sign In" screen will be displayed now which will be having the following 4 buttons:.

- 1. Sign In
- 2. Forgot Password?
- 3. CREATE ACCOUNT
- 4. Privacy Notice



Figure 1 Home screen

## **Create Account**

Follow the below given steps for creating a new account:

- a) Click "CREATE ACCOUNT" button in home screen
- b) Privacy details screen appears. Click "Next" button.
- c) Enter username (e.g. "Owner")
- d) Enter email id.
- e) Click on "Verify E-mail" button. OTP to verify the email will be sent to the registered email.
- f) Enter the received OTP in the "OTP" field.
- g) Choose ed enter a domain name (e.g. QuickBLE1"). Click on "Check" button corresponding to domain name field, if user needs to check whether the entered domain name is valid.
- h) Enter password in "Password" and "Confirm Password" fields
- i) Click on "Create Account" button.

On a successful sign up, a new account is created.

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Sign in	Access Photos, media and files - Customize button design	iguzzini 1 2 3 4 5 6 7 8 0 0 0 W e r t y u i o p	Password 🗞
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## **Forgot Password?**

NOTE: In case if user forgets his/her account password, he/she can reset the password by

following the below given steps:

Click on "Forgot Password" button.

- a) Enter username (e.g. "owner@quickble1" )and click on "Generate OTP" button.
- b) OTP will be sent to the registered email id.
- d) Enter the OTP in the "OTP" field.
- e) Enter password in "Password" and "Retype Password" fields.
- f) Click on "Reset Password" button
- g) Password is now reset

## Sign In

#### Follow the below mentioned steps for signing into the account:

- a) Enter valid credentials i.e. username and password.
- b) Click "Sign In"
- c) Introduction screen will be displayed.
- d) Click on arrow besides the text "Got it"

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Create Account	App will take time to fetch data from server
Privacy Notice	Got It 🛪

Figure 5 Sign In

## 6. Locations (or networks)

On successful sign in, "Location" screen will be displayed. User can either select the default location or create a new location.

Location (or Network) : The user can group the "world" of BLE-DALI interfaces and BLE luminaires, based on her/his location while commissioning the devices. For example, the user may find it convenient to group the smart devices in her/his office under the location (or network) 'OFFICE' and the smart devices in her/his home under the location 'HOME'. These locations can be named as per the user's desire or convenience. Locations can

also be used to enlarge the number of controlled luminaires/addresses, splitting-up the whole system into several networks (e.g network "floor 1", network "floor 2", network "floor 3".....)

## **Selecting existing location (network)**

User can select the existing location by tapping on the default location and clicking "Ok" of success message.



Figure 6 Select existing location

## **Creating Location (or network)**

Follow the below given steps if user needs to create a location:

- a) To create a new location, click on the plus button (+).
- b) Enter location name in the input box and click "Ok"

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NOTE: Maximum of 8 locations (networks) can be created in an account.

#### NOTE:

- 1. User can select the location from "Locations" page
- 2. Devices paired under a location cannot be paired under another location.
- 3. User have to delete the device from the location under which it is paired and then pair it under another location.

## **Rename Location**

Follow the below given steps if user needs to rename a location:

- a) Select the location to rename.
- b) Click on "Rename" button
- c) Rename the location
- d) Click "Ok"

## **Uploading Location Picture**

Follow the below given steps if user needs to upload picture to a location: a)

Select the location

b) Click on camera icon.

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Stockholm	Choose from app gallery
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Figure 9 Uploading location picture

### **Choose from Phone Gallery**

#### Follow the below given steps if user needs to upload picture from phone gallery to location:

- a) On selecting "Choose from gallery" option, the phone gallery will be opened
- b) Select a picture
- c) Click "Select" button

Tip: take pictures with the camera before to use this feature


## **Choose from App Gallery**

Follow the below given steps if user needs to upload a picture from App gallery to location:

- a) On selecting "Choose from App gallery" option, the App gallery will be opened
- b) Select a picture
- c) Click "Yes" of the message

# **Delete Location (or network)**

Follow the below given steps is user needs to delete a location:

- a) Select the location to delete
- b) Click minus (-) button
- c) Click "Yes" of the confirmation message.
- d) Application will ask for the password. Enter the password of user account.
- e) Click "Ok" button



Figure 12 Delete Location

f) In case if the entered password is wrong, error message will be displayed.

**Warning**: this operation is password protected because it will delete the associations to ALL the programs/Groups/scenes relevant to the location that will be deleted.



# 7. Side menu options

User can view the side menu options by clicking on the hamburger menu on the top left end of dashboard or swiping the finger from left.



Figure 13 Side menu options

**Note**: App is providing an shortcut option to navigate quickly to "Lighting Control" screen from all screens. User can double tap on the screen name which will take the control to "Lighting Control" screen

E.g.: if the app is showing "Scene Settings" screen, double tap on the screen name "Scene Settings" will navigate to "Lighting Control"

# 8. Wireless Setting (commissioning)

**Wireless Setting:** Wireless setting option can be accessed to commission devices. Device commissioning is a set of processes including scanning, testing and pairing of interfaces BLE-DALI and Bluetooth Luminaires.

Scan : Scan discovers all devices in the BLE range.

**Testing** : "Test" button is used to test the intended device if there are multiple devices and user do not have any idea of devices that are to be paired. Testing establishes a connection

between remote device and the application and. This operation will cause all the luminaires connected to the relevant BLE-DALI interface to flash continuously. By pressing the test button again the flashing will stop and it will be possible to press the test of a further interface. This will make it easier to identify the installed interfaces/Bluetooth luminaires.

#### Follow the below given steps to commission devices:

- a) Select "Wireless Setting" from the side menu.
- b) Put the Interface or BLE Luminaire in pairing mode by power cycling it OFF/ON.
   IMPORTANT: From the power on, for security reasons, you have max 3 minutes to do the pairing. After 3 min, the devices will be no more visible.
   In this case do again a power cycling it OFF/ON to see the interfaces.
- c) Click on "Scan" button on the top right end of "Wireless Setting" page.
- d) Once the device gets advertised, click on "Test" to test the device and then click "Add" button to get it paired.

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**Figure 14 Wireless Setting** 

**NOTE**: In case of dual channel devices, window to select the mode of operation will be displayed. User can access the toggle button and select the mode.

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Device List Bridge Device ADD Light Remote ADD	Select Mode Native continuous	Select Mode
SLM-A-B TEST ADD	CONTINUE	CONTINUE

d) Enter old security code and click ok button.

NOTE : User will get alert when pairing fails due to security code mismatch.



Figure 15 Alert on security code mismatch

f) Pairing process proceeds.

- g) Rename the device if needed (e.g. BLE-DALI 32).
- h) Click "Ok"
- i) The Reset button can be selected if the user doesn't know the security code.
- j) Select a group from the groups list to which the device has to be associated. Click "Ok" (if needed). When you do a **TEST**, it's recommended to use the code 0000.



Figure 16 Renaming and group association

**NOTE**: When the user clicks on Reset button, a mail will be sent to the support user who can authorize the user to continue device pairing using the default security code.

Figure 17 Add light element Figure 18 Select Sensor screen

# **BLE-DALI (with Dali support)**

While pairing SLM-A-BD with DALI support, user can choose if it is to be operated as SLM-A-BD or DALI controller.

- On clicking "Add" button of BLE-DALI /SLM-A-BD, "Select mode" window appears.
- User can select the mode and enable/disable Dali support from this window.
- Click on "Continue" button, the device will get paired.
- By default, "Native continuous" mode is selected and Dali support will be enabled.



# Restore

**Restore:** When a device is paired, if there are backups available for that device type, user may be presented with an option to restore the settings provided in the backup.

Follow the steps given below if user needs to restore the settings in the backup while pairing:

- a) Select "Wireless Setting" from the side menu.
- b) Put the device in pairing mode by power cycling the device. Click on "Scan" button on the top right end of "Wireless Setting" page.
- c) Once the device gets advertised, click on "Test" to test the device and then click "Add" button to get it paired.
- d) Select the mode
- e) Enter old security code (if you use the **previous interface**, otherwise, with **a new interface** use the code 0000) and click "OK" button
- f) Pairing process proceeds.
- g) Select a backup from the list to restore the settings in the selected backup. h) Click"Ok" button
- i) Rename the device if needed.

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# **Device security code reset**

**NOTE:** The user should be created in order to approve/reject the device security code reset request

In case if user forgets the old security code of device while pairing, he can reset the security code by following the below steps:

- 1. Request for device security code reset from App
- 2. Login as hardware user
- 3. Accept/Reject the security code reset request from hardware user account
- 4. Proceed the pairing from App

#### Request for device security code reset from App

24 | Page

- a) Scan for a device
- b) Click on ADD button
- c) "Enter old security code" widow appears
- d) Click on "Reset" button

Wireless Setting     Stop       cation     Home       iscurity Code     Location       0000     Bevice List       SLM-A-BD     TEST	Wireless Setting Stop   cation Home   country Code Country Code   0000 <th>û ▲ ≉ 洪 ╦ "di 15% iii 23:15</th> <th>■ 1 ▲ * 洪 示 14</th>	û ▲ ≉ 洪 ╦ "di 15% iii 23:15	■ 1 ▲ * 洪 示 14
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Request has been logged to server. T know your request status, please che email or try again later	Request has been logged to server. T know your request status, please che email or try again later		

**NOTE**: On requesting for security code reset, a mail will be sent to the registered email id of current user, who is requesting for security code reset and also to the registered email id of the user, who is now having the ownership of the device, which the current user is trying to pair.

Login as hardware user

- a) Login as hardware user
- b) Security code reset request can be seen in the dashboard
- c) Accept the request

**NOTE**: On accepting/rejecting the security code reset request, a mail informing the status will be sent to the registered email id of current user, who has requested for security code reset and also to the registered email id of the user, who was having the ownership of the device, which the current user is trying to pair.

#### Proceed the pairing from App

- a) Click on ADD button of device
- b) Click on "Reset" button again
- c) Approval message will be displayed if hardware user has approved the security code reset request
- d) Click "Ok" button
- e) Security code in masked format will be displayed in "Old security code" field f) Click "Ok" button
- g) Proceed with pairing process

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Location Home	Location - Home Security Code	Location Home Security Code
0000	0000	0000
Device List	De Enter Old Security Code SL Request approved. Continue pairing using given security code Ok Reset Cancer	Enter old security code ●●●● □K ✓ ○ Reset X Cancel

NOTE: In case if the request is rejected, user needs to request again.

# 9. Device Setting

**Device settings:** Device settings page displays device details (device name, security code, max level, min level, fade time, software version, firmware version) and properties (retain state, device test, PIR Trigger settings, sensor lockout time).

Properties corresponding to individual device can be set from this page.

**26 |** Page



- a) Paired device can be seen under "Devices" of "Device Setting" page.
- b) Click on the right arrow at the right end of paired device to view the device details.
- c) Click on the right arrow besides "Additional Settings" to view the additional options.

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- d) If any details need to be updated, update the details and click "Save".
  - a. Security Code: User can change the security code here. Once the security code is changed, this device can be paired only using this security code during the pairing process.
  - b. **Software Version (Check):** Enables user to read the software version of the device. This is useful to verify the software version after a firmware update.
  - c. Retain State: This property will be disabled by default. On enabling this property, device will retain its previous state after a power failure.
    User can disable this property and then access the settings icon besides this property to set a custom state so that the device will retain this custom state after a power failure.
  - d. Device Test: User can tap On/Off button to turn the device On/ Off.
  - e. **Device capability:** This property lists out the auxiliary components of the device (if there is any)
  - f. **Change mode:** Mode of operation can be changed by accessing this button (in case of dual channel devices)



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	☆ z x c v b n m ≪	Additional Settings Device details updated successfully
	!#@ (3) English (UK) . 수	

Figure 20 Edit security code

**Device Test**: ON/OFF operations on the particular light can be performed using the ON/OFF buttons placed corresponding to "Device Test" in the "Device Info".

# **Device Test**

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			Delete
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Device Security Code	0000	Edit	
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Firmware version	1.22.0		
Retain State		ً	
Device Test	ON OF		
Device Capability	None		
Additional Settings	Save		)

Figure 21 Device test

# **Retain state**

Retain state: On enabling this property, the device will retain its previous state after a

power failure. User can enable/disable this property as per her/his choice by toggling the button.

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Save	Save
dditional Settings	Additional Settings
	Device details updated successful

Figure 22 Retain state enable/disable

User can disable this property and then access the settings icon besides this property to set a custom state so that the device will retain this custom state after a power failure.





■ \$ 3 × 3 ? 52% 20:57
← Device Settings
Delete
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Device Security Code 0000 Edit
Software version 2.2.98 Check
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F Updated settings will be affected to device, when retain state is disabled
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Device Capability None
Save
Additional Settings

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Paulies Test	Device Test ON OFF Device Capability None	Retain State		⊚	
Device Test	Device Capability None	Device Test	ON (	FF	
Device Capability None		Device Capability	None		

#### Figure 23 Retain state







# Backup

Backup: User can backup the group, and scene settings corresponding to the paired device.

#### Follow the below given steps if user needs to create a backup:

- a) Select "Device Setting" from side menu options
- b) Click on "Backup" button corresponding to the paired device
- c) Enter Backup name in the input box and click "Ok"
- d) The group, scene, and sensor settings corresponding to the paired device will get backed up.



**NOTE:** App/Cloud shall support only upto 3 backups for a device type in a location. This feature is supported by devices of software version 2.3.9 and above

# **Additional Settings**

Click on the right arrow besides "Additional Settings" to access the following options:

- 1. Light Configuration Settings
- 2. Motion Sensor Trigger Settings
- 3. Sensor Lockout Settings
- 4. OTA Update
- 5. Beacon Settings



Figure 24 Additional settings

# **Light Configuration Settings**

Click on the right arrow besides "Light Configuration Settings" to access the following options:

- 1. Max Level
- 2. Min Level
- 3. Fade Time



Max. Level: Maximum intensity at which the device will operate when the slider is at 100%.

Min. Level: Minimum intensity at which the device will operate when the slider is at 21%.

**Fade Time**: Time taken by the device to turn on /Off / intensity is changed. User can update these values by following the below given steps:

- 1. Edit the value
- 2. Click on "Update"

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Light Conf	guration Settir	ngs
flax Level	100	Update
n Level	40	Update
le Time (in sec)	0.2	Update
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1 2 4 5	36	(X) Next
1 2 4 5 7 8	3 6 9	Next 





## **Motion Sensor Trigger Settings**

• Motion sensors are used for motion detection. Settings in this page will define how the lighting device behaves when it receives a motion trigger

**O** By default, a lighting device which is associated with a sensor will turn ON at 100% intensity on receiving a motion trigger and will turn OFF after 30 minutes in case no second trigger is received.

• Property "Motion Sensor Trigger Settings" can be used to define how the associated lighting device should behave once a trigger is received.

Click on the right arrow besides "Motion Sensor Trigger Settings" to set the following:

- 1. Occupant Level
- 2. Fade On time
- 3. Level 1: Off Delay Time, Vacant Level and Fade Off Time
- 4. Level 2: Off Delay Time, Vacant Level and Fade Off Time

•						
ight Confi	guration Settings	>				
Max Valu	e/Min Value/Fade Time Value		Occupant Level			
aylight Se	ensor Range Settings	>	Fade on time	1	Sec	
Max value	e/Min value/Maintain Ambient	$\sim$	Level -1		Se	t
Notion Sen	isor Trigger Settings	( )				
Levels,0	DN/OFF Intensity		Off Delay Time	10	Min	*
ensor Loc	kout Settings	>	Vacant Level	0		
Motion/I	Daylight Sensor Lockout				0	
TA Update	e	>	Fade off time	1	Sec	
OTA up	date from Cloud		Level -2	Enable		
eacon Set	ttings	>				
Set dev	rice as beacon					

Figure 26 Motion Sensor Trigger Settings

### **Occupant Level & Fade on time**

#### **Occupant Level**:

- . User can enable/disable Occupant Level.
- If the Occupant Level is disabled, device will lit in the previous state on receiving a motion trigger.
- If Occupant Level is enabled and Occupant Level value is entered, device will lit in the set intensity on receiving a motion trigger.

Fade On time: Time taken by the device to turn On in the set "Occupant Level".

- Occupant Level: Intensity at which the device should be lit, on receiving a motion trigger.
- Fade On time: Time taken by the device to turn On in the set "Occupant Level". Default value is 1 sec.
- "Set" button: Device will be lit at the intensity configured in "Occupant Level" on receiving a motion trigger. This will happen in the time period of set "Fade On time" and will turn OFF after 60 mins.
- When user has not configured 'Occupant Level', device will turn on at the last set intensity.



#### Figure 27 On Intensity

### Level -1

- "Set" button: On clicking this button, default "Off Delay Time" (60 minutes),
   Vacant Level (Zero,0) & "Fade Off Time" (1 sec) will be set. User can set
   "custom values" and then click on "Set" button to save the changes.
- Off Delay Time: It is the time duration for which the light device should remain

in set "Occupant Level" intensity. Default value is 10 mins.

- Vacant Level: This can be used to configure % of "Occupant Level" at which light is to be lit after "off Delay time". If not set, device will turn off after "off delay time of Level 1".
- Fade Off Time: Time taken by the device to turn off in the set "Vacant Level" after the set "Off delay Time". Default value is 1 sec.

#### NOTE:

• Options "Fade On Time", "Fade Off Time", "Off Delay Time (min/sec) are supported by devices of software version 2.3.5 and above

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Occupant Level     80     Set       Fade on time     5     Sec       Level -1     Set     Image: Compare the second se	← Motion Sensor Trigger Settings Occupant Level 80 Set ● Fade on time 5 Sec Level -1 Set Off Delay Time 30 Min ▼ Vacant Level 10 Fade off time 3 Sec Level -2 Enable □	<ul> <li>✓ Motion Sensor Trigger Settings</li> <li>Occupant Level 80 Set ●</li> <li>Fade on time 5 Sec</li> <li>Level -1 ●</li> <li>Off Delay Time 30 Min ●</li> <li>Vacant Level 10</li> <li>Fade off time <u>3</u> Sec</li> <li>Level -2 Enable □</li> </ul>

#### Figure 28 Level -1

## Level -2

NOTE: On enabling "Level 2", labels in Level 1"Off delay Time", "Vacant Level", "Fade off time" will be changed to "On hold Time", "Ambient Level", "Dim down Time" respectively.

- Enable: On selecting "Enable" button, the default values will be set. User can set
  "Off delay time", "Vacant Level" and "Fade Off time" and then click on "Set" button to save the changes.
- Off delay Time: Duration for which the device should lit in the set "Vacant Level" in Level -1. Default Value is 10 min.
- Vacant Level: This can be used to configure % of Vaccant Level in Level 1, at which light is to be lit after off delay time of Level 1. If not set, device will turn off ater "off delay Time of Level 1"
- Fade Off Time: Time taken by the device to turn off in the set "Vacant Level". Default value is 1 sec.

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Occupant Level		٠	← Motion S	ensor Trigger Settings	← Motion Sen	sor Trigger Settings	← Motion Se	nsor Trigger Settings
Fade on time	5	Sec	Occupant Level	•	Occupant Level	80 Set 🛑	Occupant Level	80 Set 🥌
Level -1		Set	Fade on time	5 Sec	Fade on time	5 Sec	Fade on time	5 Sec
			Level -1	Set	Level -1	Set	Level -1	Set
On Hold Time	30	Min 🔻	On Hold Time	30 Min 👻	On Hold Time	30 Sec 💌	On Hold Time	30 Sec 💌
Ambient Level	10		Ambient Level	10	Ambient Level	10	Ambient Level	10
			Dim Down Time	3 Sec	Dim Down Time	3 Sec	Dim Down Time	3 Sec
Dim Down Time	3	Sec	Level -2	Enable 🗹 Set	Level -2	Enable 🔽 Set	Level -2	Enable 🗹 Set
Level -2	Enable	Set	Off Delay Time	10 Min *	Off Delay Time	10 Sec 👻	Off Delay Time	10 Sec 👻
0/( D.	10	N/a	Vacant Level	0 Sec.	Vacant Level	20	Vacant Level	20
Off Delay Time	10	MIN 🔻	Fade off time	1 Sec	Fade off time	5 Sec	Fade off time	5 Sec
Vacant Level	0					$\smile$		
Fade off time	1	Sec						

#### Figure 29 Level -2

# **Sensor Lockout Settings**

Sensor lockout time: User can configure Sensor Lockout Time to specify the time interval

after which the lighting devices associated with sensor elements should respond to sensor

triggers received.

Click on the right arrow besides "Sensor Lockout Settings" to set the following:

- 1. Motion sensor lock timer
- 2. Daylight sensor lock timer

÷	Additional Settings	
Light Configu	uration Settings	>
Max Value/	Min Value/Fade Time Value	
Daylight Sen	sor Range Settings	>
Max value/	Min value/Maintain Ambient	
Motion Sens	or Trigger Settings	>
Levels,ON	N/OFF Intensity	~
Sensor Lock	out Settings	()
Daylight S	ensor/LDR Lockout	$\cup$
OTA Update		>
OTA upda	ate from Cloud	
Beacon Setti	ngs	>
Set devic	e as beacon	

### Motion sensor lock timer:

- Motion sensors are used for motion detection. Lighting device associated to motion sensors will be lit at the defined intensity on receiving motion triggers
- On setting a value for motion sensor lock timer, the user can define the time duration (in multiples of 5 seconds) after which the lighting device should respond to the second motion trigger.
- Click on toggle button to enable motion sensor lock timer, input a value in the range 5-1270 and click on "Update" button.
- Default motion sensor lockout time is 0.

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← Sensor Lockout Time		← Sensor Locko	ut Time
GB CCT-1	$\sim$	RGB CCT-1	
Motion sensor lock timer(Seconds)		Motion sensor lock timer(Sec	onds)
e	0	0	
Daylight sensor lock timer(Minutes)	0	Daylight sensor lock timer(Mir	nutes)
0	0	0	
		UPDAT	ΓE

Figure 31 Min value 5 on enabling this property

Sensor Lockout Time		← Sensor L	ockout Time	← Sensor Lockout Tim	e
CCT-1		RGB CCT-1		RGB CCT-1	
tion sensor lock timer(Seconds)	•	Motion sensor lock timer	(Seconds)	Motion sensor lock timer(Seconds)	-
$\odot$	140	-0	140	-0	140
ylight sensor lock timer(Minutes)	0	Daylight sensor lock time	er(Minutes)	Daylight sensor lock timer(Minutes)	
	0	0	0	0	- 0
UPDATE		UP	DATE	UPDATE	

Figure 32 Setting motion sensor lock timer

### Daylight sensor lock timer:

- On setting a value for daylight sensor lock timer, the user can define the time duration (in minutes) after which the lighting device should respond to the second daylight sensor trigger.
- Click on toggle button to enable daylight sensor lock timer, input a value in the range 1-254 and click on "Update" button.
- Default daylight sensor lockout time is 0.

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← Sensor Lockout Time	← Sensor Lockout Time
B CCT-1	RGB CCT-1
lotion sensor lock timer(Seconds)	Motion sensor lock timer(Seconds)
aylight sensor lock timer(Minutes)	Daylight sensor lock timer(Minutes)
0	• 1
UPDATE	UPDATE

Figure 33 Min value 1 on enabling the property

Image: Sensor Lockout Time	1% 📧 4:16 PM		O * ₹ D. Sensor Lockout Time	41% 💽 4:16 PM		O 8 2 € Sensor Lockout Time	41% 📂 4:16 PM
RGB CCT-1		RGB CCT-1			RGB CCT-1		
Motion sensor lock timer(Seconds)	140	Motion sen	nsor lock timer(Seconds)	140	Motion ser ———— Daylight se	nsor lock timer(Seconds)	140
UPDATE	96		UPDATE	<b>&gt;</b>		UPDATE	96
						Updated successfully	

Figure 34 Setting daylight sensor lock timer

# **Daylight Sensor Range Settings**

**Daylight sensor range settings**: User can set Min value, Max value, Maintain ambient light

value for lighting devices.

- **Min value**: If the intensity falling on the associated daylight sensor is less than or equal to set Min value, the lighting device should turn ON at 100% intensity.
- **Max value**: If the intensity falling on the associated daylight sensor is greater than or equal to set Max value, the lighting device should turn OFF.
- Maintain ambient light: This property can be enabled ONLY when a daylight sensor is associated to the lighting device.

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### **Daylight Set Max Value**

#### Daylight Set Max value:

• If the intensity falling on the associated daylight sensor is greater than or equal to set Max value, the lighting device should turn OFF.

- 1. Go to device settings page• Default value is 100
- 2. Select any of the paired lighting device• User can set values from 0 to 100
- 1. Access the slider and set any value
- 2. Click on "Update" button

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← Daylight Sensor Range		🔶 Daylig	ght Sensor Range
RGB CCT-1		RGB CCT-1	
Daylight Set Min Value		Daylight Set Min Val	le
C	0	s	et Read
Daylight Set Max Value		Daylight Set Max Val	ue
Set Read	67		et Read 67
Maintain Ambient light		Maintain Ambient lig	ht
o	Auto	s	et Read
		Upda	ated successfully

### **Daylight Set Min Value**

#### Daylight Set Min value:

- If the intensity falling on the associated daylight sensor is less than or equal to set Min value, the lighting device should turn ON at 100% intensity.
  - 3. Go to Default value is 0 device settings page
  - 4. Select any of the paired lighting device• User can set values from 0 to 100
  - 1. Access the slider and set any value
  - 2. Click on "Update" button

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÷	Daylight Sensor Range		← Daylig	ht Sensor Range
RGB CCT-1			RGB CCT-1	
Daylight Set M	in Value	- 34	Daylight Set Min Valu	ue 34 Read
Daylight Set M	ax Value	67	Daylight Set Max Val	et Read
Maintain Ambi	ent light	-	Maintain Ambient lig	ht
0	Set Read	— Auto	s	et Read
			Upda	ated successfully

### **Maintain Ambient Light**

**Maintain Ambient Light:** This feature allows user to maintain the required ambient light in an environment.

- By enabling the ambient intensity configuration, the devices store the light intensity value prevailing in that environment and try to maintain that intensity if there occur any variations in the intensity. The current intensity will be saved as the ambient level, and the intensity of devices is varied so as to maintain the ambient level. The ambient level could also be disabled from the app.
- User can also specify the intensity that should be stored as ambient value.
- On disabling the ambient s tatus, the normal response of light to daylight values are regained. The intensity change of light will happen according to the sensor value

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← Daylight Sensor Range	← Daylight Sensor Range	← Daylight Sensor Range
RGB CCT-1	RGB CCT-1	RGB CCT-1
Daylight Set Min Value	Daylight Set Min Value	Daylight Set Min Value
C O Set Read	C Set Read	C
Daylight Set Max Value	Daylight Set Max Value	Daylight Set Max Value
Set Read	Set Read	Set Read
Maintain Ambient light	Maintain Ambient light	Maintain Ambient light
C	C Auto Set Read	Set Read
Updated successfully	Updated successfully	Updated successfully

**NOTE**: This property can be enabled ONLY when a daylight sensor is associated with the lighting device.

# **OTA Update**

Now you can initiate updating the image in the device using the mobile app.

**Firmware**: Firmware is a software that controls, monitor and manipulates data of engineered products and systems. Updating the firmware is required for fixing bugs or adding additional features to the device.

**Pre-requisites:**Firmware image should be uploaded, prior to performing OTA update from Application.

### Firmware update from mobile App

Follow the steps given below for updating the firmware from App:

- a) Click "OTA Update".
- b) Click "Yes" of the confirmation message
- c) Connectable mode will be enabled and control navigates to "OTA Update" page.
- d) OTA file will be downloaded and update begins

On selecting "OTA Update" option, Application will check;

- whether any firmware file is available in the server
- whether the current firmware version is the same as the firmware version in server
- whether the firmware version in server is the updated version of current firmware version

and then displays corresponding message.



#### Figure 40 file not available



#### Figure 41 Device already updated





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	Light Configuration Settings
	Max Value/Min Value/Fade Time Value
000.0071	PIR Trigger Settings
RGB CCI-I	Levels,ON/OFF Intensity
	Sensor Lockout Settings
	Maintain Ambient light, PIR/LDR Lockout
	OTA Update
56%	OTA undets from Cloud
50%	UTA update from Cloud
	Beacon settings
	Set device as beacon
getting updated, please wait	
	OTA completed successfully
ning - Please do NOT press back until the	
process a completed	

Figure 43 Firmware update from App

## **Beacon Settings**

**Beacon**: Beacons are devices that transmit signals that enable other devices like smartphones to determine their relative proximity.

Lighting devices provides 5 slots that can be enabled as beacons available in markets like

iBeacon, Alt beacon, Eddystone-UID, Eddystone-URL.

÷	Additional Settings	
Light Confi	guration Settings	>
Max Valu	e/Min Value/Fade Time Value	
Daylight Se	nsor Range Settings	>
Max value	e/Min value/Maintain Ambient	
Motion Ser	sor Trigger Settings	>
Levels,0	DN/OFF Intensity	
Sensor Loc	kout Settings	>
Daylight	Sensor/LDR Lockout	
OTA Update	8	>
OTA up	date from Cloud	
Beacon Set	tings	$\bigcirc$
Set dev	ice as beacon	$\smile$

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) Be	eacon 1	Available Slot
() Be	eacon 2	Available Slot
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() Be	eacon 5	Available Slot

### **Configure and Enable beacon**

Beacon configure: Set values will be configured in the lighting device.

Beacon enable: Lighting device starts to emit the configured values.

In order to configure and enable beacons, follow the below given steps:

- 1. Select any of the available slots
- 2. Select the beacon type from the drop down list
- 3. Fill the fields

NOTE: Fields in beacon configuration page can be filled in the following 3 ways :-

- User can use the option "Set default values" in case if user needs to configure beacon with the default values.
- User can use "Set default values" option and then edit any of the occupied default values in the editable fields.
- **O** User can manually enter values in all the editable fields.
- Click "CONFIGURE" button. Now the values got configured in the lighting device. On successful configuration, the slot will be marked as "CONFIGURED"
- 5. Click "ENABLE" button. Now the lighting device starts to emit beacon with the configured values. On successful configuration, the slot will be marked as "ENABLED"

**NOTE:** Install any 3<sup>rd</sup> party application (Eg: Beacon Scanner, Locate Beacon etc...) to scan the enabled beacons.

Types of beacon

Following four types of beacon can be configured and enabled:

- **O** iBeacon (Apple standard)
- O Alt beacon
- Eddystone-UID (Google standard)

• Eddystone-URL (Google standard)

#### iBeacon

Below given values should be provided for configuring iBeacon:

- a) Beacon prefix: Fixed prefix value for iBeacon (4C000215)
- b) Beacon UUID: Identifier used to identify company's beacons.
- c) Major: Value used to group related set of beacons
- d) Minor: Specifies the individual beacon with a group
- e) **Tx Power Level**: Power level at which the configured device should emit the beacon
- f) Advertising interval: Interval (in Sec) at which the beacon should advertise
- g) Calibrate: It is the reference rssi value representing the average received signal strength at 1 meter from the advertiser - currently option to calibrate is not available and is not editable by user. A fixed value of BA is set.

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← Beacon Slots	← Beacon1 :	← Configure Beacon :	← Confiț Set Default values
Beacon 1	iBeacon	iBeacon Beacon UUID	iBeacon VUID
Beacon 2	Be	Maior	Major
Beacon 3	2 Bytes (4 Characters) Minor 2 Bytes (4 Characters)	Minor Tx/Rx Power Level	Minor Tx/Rx Power Level
Beacon 4	Tx Power Level 1 Bytes (2 Characters) Advertising Interval	Advertising Interval	Advertising Interval
Beacon 5	1 Bytes (2 Characters) in sec CONFIGURE ENABLE	Prefix CONFIGURE ENABLE	Prefix CONFIGURE ENABLE



#### **Alt Beacon**

Below given values should be provided for configuring Alt Beacon:

- a) Beacon UUID: Identifier used to identify company's beacons.
- b) Manufacture ID: Beacon's manufacturer company identifier code
- c) **MFG Reserved**: Reserved for use by the manufacturer to implement special features
- d) Beacon Code: Fixed value (BEAC)
- e) **AD Type**: Advertisement type is a manufacturer specific data. It is not editable by user and a fixed value (FF) is set.
- f) **Tx Power Level**: Power level at which the configured device should emit the beacon
- g) Advertising interval: Interval (in Sec) at which the beacon should advertise
- h) Device capability: Fixed value

h) **Calibrate**: It is the reference rssi value representing the average received signal strength at 1 meter from the advertiser - currently option to calibrate is not available and is not editable by user. A fixed value of BA is set.

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Enabled	AltBeacon	20	on UUID Bytes (40 Characters)	Beacon UUID B6A6A6FFF6910B91F4002D0FF60F4A0I
Beacon 2 Available Slot	Mi Eddystone-URL 2 Bytes (4 Characters	2 B MFGF	ytes (4 Characters) Reserved	MFGReserved
Beacon 3	Minor 2 Bytes (4 Characters	) <u>1 B</u> Beac	ytes (2 Characters)	BeaconCode
Beacon 4	1 Bytes (2 Characters Advertising Interval	5) Tx/R) 05	AC	Tx/Rx Power Level
Available Slot	1 Bytes (2 Characters	s) in sec Adver	consciuse ENABLE	Advertising Interval
Beacon 5	CONFIGURE	ENABLE	ENABLE	ENABLE

Configure Beacon		: 🔶 Beacon Slots
Configure Beacon :		
Reserved	MFGReserved	
	OF	Beacon 1 Enable
onCode	BeaconCode	
AC	BEAC	
x Power Level	Tx/Rx Power Level	Beacon 2
	05	
rtising Interval	Advertising Interval	
02	0002	Beacon 3
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ce Capability	Device Capability	Beacon 4
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Beacon configured successfully		
RECONFIGURE	RECONFIGURE	Beacon 5
		Available.S
Apps		A ♥ A № 7% I 13:35
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Alphabetical Alphabetical ACT D'MAND APK Inf Boost+ Calculat Chrome Clock	Calendar Carrera Docs Downloads	anning C       =       *       *         LTbeacon       0.87 m         MassorBaaA94 - 0x0012       5/2/18 133526         UUD - 666666114691-0b91- r400-240ff601440d       Minor - 43981         Major - 63220       Iminor - 43981         * RSSI-65 dBm       TX -70 dBm         eacon       7.59 m         Maf9-255565b73bcd       5/2/18 133527
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Aphabetical Aphabetical Aphabetical Act DMAND Boost+ Calculat Colock Chrome Drive Fiashlight Eigh	Q       Image: Section	anning C       =       *       *         LTbeacon       0.87 m         MSV289A94 - 0x0012       5/2/18 133320         JUUD - b6a5661+691-0291-         r400-2d0ff60f4a0d         Major - 63220       Minor + 43981         RSSI 45 dBm       TX -70 dBm         Major - 63220       Minor + 43981         Major - 63220       Minor + 43981         Major - 63220       Minor + 43981         RSSI 45 dBm       TX -70 dBm         Major - 6500       5/2/18 133327         UUD - b6a73030+5H4 466-       5/2/18 133327         Major - 4660       Minor + 45         RSSI 42 dBm       TX -45 dBm         Major - 4660       Minor + 45         Major - 4660       Minor + 45         Major - 4660       Minor + 13         Major - 4600       Minor + 13         Major - 1400 <td< td=""></td<>

### **Eddystone-UID**

Below given values should be provided for configuring Eddystone-UID

- a) **Beacon UUID**:Fixed value (AAFE)
- b) **Namespace ID**: The namespace portion of the ID may be used to group a particular set of beacons
- c) Instance ID: Instance portion of the ID identifies individual devices in the group
- d) **Tx Power Level**: Power level at which the configured device should emit the beacon
- e) Advertising interval: Interval (in Sec) at which the beacon should advertise
- f) Reserverd for future use: 2 Bytes reserved for future use
- g) Device capability: Fixed value
i) **Calibrate**: It is the reference rssi value representing the average received signal strength at 1 meter from the advertiser - currently option to calibrate is not available and is not editable by user. A fixed value of BA is set.

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← Beacon Slots	← Beacon1 :	← Config Set Default values	← Configure Beacon :
Beacon 1  Enabled	iBeacon *	EddyStone UID •	EddyStone UID 🔹
	Eddystone-UID	AAFE	AAFE
Beacon 2 Enabled	M: Eddystone-URL 2 Bytes (4 Characters)	Name space id 10 Bytes (20 Characters)	Name space id 2F234454CF6D4A0FADF2
Beacon 3 Available Slot	Minor 2 Bytes (4 Characters) Tx Power Level	Instance id 6 Bytes (12 Characters) Advertising Interval	Instance id 2F234454CF6D Advertising Interval
Beacon 4	1 Bytes (2 Characters) Advertising Interval	0002 Tx/Rx Power Level	0002 Tx/Rx Power Level 05
Beacon 5	1 Bytes (2 Characters) in sec	Reserved future use CONFIGURE ENABLE	Reserved future use
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EddyStone UID *	EddyStone UID -	EddyStone UID *	Beacon 1  Enabled

AAFE

Instance id

2

5

2F234454CF6D

Advertising Interval

Tx/Rx Power Level

RECONFIGURE

Name space id

2F234454CF6D4A0FADF2

Reserved futur Beacon enabled

DISABLE

M Beacon 2

Beacon 3

Beacon 4

() Beacon 5

Enabled

Available Slot

Available Slot

AAFE

Name space id

Instance id

0002

05

2F234454CF6D

Advertising Interval

Tx/Rx Power Level

RECONFIGURE

2F234454CF6D4A0FADF2

Reserv Beacon configured successfully

ENABLE

AAFE

Instance id

0002

05

2F234454CF6D

Advertising Interval

Tx/Rx Power Level

Reserved future use

CONFIGURE

ENABLE

Name space id

2F234454CF6D4A0FADF2



#### **Eddystone-URL**

Below given values should be provided for configuring Eddystone-URL:

- a) Beacon UUID: Fixed value (AAFE)
- b) **Tx Power Level**: Power level at which the configured device should emit the beacon
- c) Advertising interval: Interval (in Sec) at which the beacon should advertise
- d) Reserverd for future use: 2 Bytes reserved for future use.
- e) **Encoded URL**: The Eddystone-URL frame broadcasts a URL using a compressed encoding format in order to fit more within the limited advertisement packet.
- f) **Device capability**: Fixed value
- j) Calibrate: It is the reference rssi value representing the average received signal strength at 1 meter from the advertiser - currently option to calibrate is not available and is not editable by user. A fixed value of BA is set.

In case of lengthy urls, minify site like tiny.cc, tinyurl.com can shorten the url to make it to the Eddystone url standards.

#### Steps to convert lengthy url:

- 1. Copy the lengthy url (Eg. https://www.iguzzini.com)
- 2. Open https://tinyurl.com/
- 3. Enter the copied url in the field provided
- 4. Select "Make Tiny URL" button



5. Copy the converted url and paste/type in the encoded url field

(E.g. https://tinyurl.com/name)

■ 🛛 🛛 🕹 🖗 100% ੈ 1	3:32 🖬 🖾 🛛 🔻 ۇ≪ۇ 🛜 📶 100% 💼	13:32 🔳 🛛 🔰 😽 🖗 👔 100% 🛔 13:32	
← Beacon Slots	← Configure Beacon	E C C Set Default values	← Configure Beacon :
			Encoded Url
Beacon 1	iBeacon	EddyStone URL	https://goo.gl/udddLy
	Bea AltBeacon	Beacon UUID	Advertising Interval
	A/ EddyStone UID	AAFE	0002
Beacon 2	Enc	Encoded Url	Tx/Rx Power Level
	Er	Encoded url	05
	Advertising Interval	Advertising Interval	Reserved future use
Beacon 3	0002	0002	2d2d
Conigure	Tx/Rx Power Level	Tx/Rx Power Level	Device Capability
	1 Bytes (2 Characters)	1 Bytes (2 Characters)	0100
Beacon 4	Reserved future use	Reserved future use	Calibrate
Available Sig	2D2D	2D2D	PA
Beacon 5	CONFIGURE ENABLE	CONFIGURE ENABLE	CONFIGURE DISABLE
← Beacon4	: ← Beacon4	: C Beacon4 :	C Beacon Slots
Eddystone-URL +	Eddystone-URL *	Eddystone-URL +	Beacon 1
Beacon UUID	Beacon UUID	Beacon UUID	chabled.
AAFE	AAFE	AAFE	
Encoded Url	Encoded Url	Encoded Url	Beacon 2
https://goo.gl/udddLy	https://goo.gl/udddLy	https://goo.gl/udddLy	
Advertising Interval	Advertising Interval	Advertising Interval	
0002	0002	0002	Beacon 3
Tx Power Level	Tx Power Level	Tx Power Level	
05	05	05	
Reserved for future use	Reserved for future use	Reserved for future use	Beacon 4
2d2d	2d2d	2d2d	Enabled
Beacon configured successfully		Beacon enabled	
RECONFIGURE ENABLE	RECONFIGURE	RECONFIGURE DISABLE	Beacon 5
			Available Obse







### **Beacon reconfiguration**

#### Beacon reconfiguration:

Configured beacons (all types: iBeacon, Alt beacon, Eddystone-UID, Eddystone-URL) can be reconfigured. User can select the

configured beacon slot, edit the configured values and then click on "Reconfigure" button. Lighting device starts to emit the reconfigured beacon on clicking "Reconfigure" button.

#### Follow the below steps to reconfigure beacons:

- 1. Select any of the configured beacon slots
- 2. Edit any of the configured values
- 3. Click "Reconfigure" button

Given below the screenshots of Eddystone-URL reconfiguration. In the same way all types of beacon can be reconfigured.

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← Beacon Slots	← Configure Beacon :	4 Configura Bascon :	← Configure Beacon :
	Encoded Irl	Enter url	
Beacon 1	https://goo.gl/udddly	Enter beacon url	EddyStone URL
Enabled	Advertising Interval	https://tinyurl.com/lh5bq4g	
	0002	E OK	Beacon UUID
Barran 2	Tx/Rx Power Level		AAFE
Enabled	05	E X Cancel	https://tipuud.com/lb5hc4c
	Deserved february		https://tinyun.com/in5bq4g
<i>L</i>	Reserved future use	Advertising Interval	Advertising interval
Enabled	2020		Z Ty/Dy Dowar Laval
	Device Capability	1 2 3 4 5 6 7 8 9 0	5
	0100	qwertyuiop	5
Beacon 4	Calibrate	asdfghjkl	Reserved future use
	ВА		2d2d
Beacon 5	CONFIGURE	Sym	RECONFIGURE
			_
			42
	Configure Beacon :	Scanning C = *	*
	Edd Orace U.D.	12:34:56:78:94:94 • 0x0012 5/2/18 13:42:04	
		UUID · 3333333-3333-3333-3333-33333333333333	
	Beacon UUID	📕 Major • 13107 📙 Minor • 13107	
	AAFE	🎓 RSSI -61 dBm 🛜 TX -70 dBm	
	Encoded Url		
	https://tinyurl.com/lh5bq4g	IBeacon 4.67 m 12:34:56:78:9A:94 - 0x004C 5/2/18 13:42:05	
	Advertising Interval	UUID • b9407f30-f5f8-466e- aff9-25556b57abcd	
	2	Major - 21845 🔲 Minor - 21845	
	Tx/Rx Power Level	💎 RSSI -62 dBm 🛛 🛜 TX -45 dBm	
	5		
	Reserved future use	Eddystone-URL 16.97	
	2d2d	12:34:56:78:9A:94 • 0xFEAA 5/2/18 13:42:04	
	Beacon configured successfully	In5bq4g	
	RECONFIGURE DISABLE	🛷 RSSI-61 dBm 😞 TX -36 dBm 🔢	

Figure 44 Eddstone beacon URL- Reconfiguration

### **Disable beacon**

#### Disable beacon:

Enabled beacons can be disabled by clicking on the "Enable" button". Once the beacon is disabled, the lighting device stops emitting that beacon.

	■ ►	■ ►
← Beacon Slots	← Configure Beacon :	← Configure Beacon :
Beacon 1	EddyStone URL 👻	EddyStone URL -
	Beacon UUID	Beacon UUID
Beacon 2	Encoded Url	Encoded Url
	https://tinyurl.com/lh5bq4g	https://tinyurl.com/lh5bq4g
	Advertising Interval	Advertising Interval
Beacon 3	2	2
	Tx/Rx Power Level	Tx/Rx Power Level
	5	5
Beacon 4	Reserved future use	Reserved future use
Enabled	1156	1156 Beacon disabled.
Beacon 5	RECONFIGURE	RECONFIGURE

Figure 45 Disable beacon

### **Device Delete**

- 1. Select the device from "Device Settings" page
- 2. Click on "Delete" button
- 3. Click "Yes" of confirmation message



Application will ask two step confirmation while trying to delete device that is associated with sensor.





## **10. Device Settings: BLE-DALI**

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■ Device Setting		÷	Device Settings		← SLM-A-	B-1
Devices		Change Mode		Delete	DALI Devices	DALI settings
SBM-U-BW-1	>	Device Name	SLM-A-B-1		SLM-A-B-1 DALI 1	>
SLM-A-B-1	>	Device Security Software version Hardware version Firmware version Device Capabilit	Code         0000         Edit           1         2.2.89         Check           m         2.0.0            n         1.22.0            y         DALLI Devices            Save	ι į	SLM-A-B-1 DALI 2	>
		Additional Settin	ıgs	>	OTA Upo	fate

#### Figure 46 Device settings

### **OTA update for Dali devices**

Pre-requisite: File should be uploaded from web [Click here]

#### Follow the below given steps for OTA Update on Dali devices

1. Select SLM-A from "Device Settings" page

- Tap on "Dali device" corresponding to property "Device capability" [Dali devices will be listed]
- 3. Click on "OTA Update" button for updating the firmware version of Dali devices

On selecting "OTA Update" option, Application will check;

- 1. whether any firmware file is available in the server
- 2. whether the current firmware version is the same as the firmware version in server
- 3. whether the firmware version in server is the updated version of current firmware version

and then displays corresponding message (Explained earlier. Click here for reference)

	~ ~	a 41 07% = 14.0
÷	SLM-A-B-1	
DALI Devices		DALI setting
SLM-A-B-1 D	ALI 1	>
SLM-A-B-1 D	ALI 2	>

Figure 47 OTA Update

### **Additional Settings of parent device**

Click on the right arrow besides "Additional Settings" for accessing the following options:

- 1. DALI Settings
- 2. OTA Update
- 3. Beacon Settings

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Device Setting	← Device Settings ← Additional Setting	5
E Device Setting Devices SBM-U-BW-1 SLM-A-B-1	← Device Settings     Change Mode      Device Name   Device Name   Surve   Software version   Classes   Hardware version   2.2.0   Firmware version   2.2.0   Evoce Capability   Device Capability   Additional Settings   Save   Additional Settings   ▲   Additional Settings   ▲   A difficient Settings   ▲   Device Capability   Additional Settings	s > >
	Additional Settings	

Figure 48 Additional settings-parent device

### **DALI Settings**

Click on the right arrow besides "DALI Settings" for accessing the following options:

- 1. Status Check: Device Failure and System Failure
- 2. DALI Addressing: Addressing and Reset

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÷	Additional Settings	_		LI settings
DALI settin	gs ()		Status Check	
OTA Update	e		Device failure	System Failure
OTA up	date from Cloud			
Beacon Set	ttings	×	Dali Addressing	¢
Set dev	vice as beacon			
			Addressing	Reset

Figure 49 DALI Settings

### **Status Check: Device failure**

**Device Failure**: Device Failure shows a pop-up message showing the health status of the DALI channels.

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← DALI settings	÷	DALI settings
Status Check	Status Check	
Device failure System Failure	Device failure	System Failure
Dali Addressing	Dali Addressin	g O
Addressing Reset	Addressing	Reset
		No failures

Figure 50 Device failure-success

In case of device failure, failure icon will be displayed corresponding to failed child device. On clicking the failure icon, failure message will be displayed.

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	settings	← □	ALI settings	÷	SLM A-1	÷	SLM A-1
Status Check Device failure	System Failure	Status Check Device failure	System Failure	DALI Devices	( <u>o</u> )>	DALI Devices SLM A-1 DALI 1	() >
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Addressing	Reset	Addressing	Reset			Device is faile	Warning d OK 🗸
		D	evice is failed		OTA Update		OTA Update

#### Status check: System failure

**System failure**: System Failure shows a pop-up message denoting the health status of the SLM-A / SLM-D device configured with DALI support.

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DALI settings	← DALI settings
s Check	Status Check
failure System Failure	Device failure System Failure
ddressing 🗘	Dali Addressing 🗘
ressing Reset	Addressing Reset
	No failures

Figure 52 System failure

In case of system failure, failure icon will be displayed corresponding to all child device. On clicking the failure icon, failure message will be displayed.

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÷	DALI settings	← D	ALI settings	← s	LM A-1	← SLM-A-	B-1
Status Check		Status Check		DALI Devices	~	DALI Devices	DALI settings
Device failure	System Failure	Device failure	System Failure	SLM A-1 DALI 1		SLM-A-B-1 DALI 1	0 >
Dali Addressing	Φ	Dali Addressing	φ	SLM A-1 DALI 2		SLM-A-B-1 DALI 2	0 >
Addressing	Reset	Addressing	Reset			Warni Both device and syste	ng m is failed
		Sy	stem is failed		'A Update	OTA Up	Jate

Figure 53 System failure-fail

### Dali Addressing: Addressing

Addressing: On clicking "Addressing" button, child devices will be addressed by the parent device.

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÷	DALI settings	< D4	ALI settings
Status Check		Status Check	
Device failure	System Failure	Device failure	System Failure
Dali Addressir	ng 🗘	Dali Addressing	Φ
Addressing	Reset	Addressing	Reset
		Oper	ation success

Figure 54 Addressing

### **DALI Addressing: Reset**

C DAI	LI settings	← 1	ALI settings
Status Check		Status Check	
Device failure	System Failure	Device failure	System Failure
Dali Addressing	ф	Dali Addressing	$\bigcirc$
Addressing	Reset	Addressing	Reset
		Ор	eration success

Figure 55 Reset

**WARNING** On clicking "Reset" button, **the luminaires will be erased from the interface**. Refresh icon color will be changed to orange. Child devices will not get listed on clicking "Dali device" corresponding to property "Device capability".

- Once the child devices are reset, user needs to click on "Addressing" button for addressing the child devices.
- User need to click on refresh icon, to know the status of addressing. Icon color will be changed to blue if the addressing is in progress. Click on refresh icon again.
   Icon color will be changed to black if the addressing is completed.



Figure 56 Refresh icon

# OTA Update for Interfaces BLE-DALI (Mesh and other features)

Pre-requisite: OTA File should be available from web server

- 1. Click on right arrow corresponding to "OTA Update" option
- 2. Click "Yes" of confirmation message
- 3. Connectable mode will be enabled and update begins

~	***	ដ 🖀 📶 81% 🖹 21:57	**	🛱 🕈 📶 81% 🗎 2
÷	Device Settings		← Additional Settin	ngs
		Delete	DALI settings	
hange Mod	le		OTA Update	(
Device Nar	me SLM-A-E	F1	OTA update from Cloud	C
)evice Sec	urity Code 0000	Edit	Beacon Settings	
Software v	version 2.2.89	Check	Set device as beacon	
lardware v	version 2.0.0			
Firmware v	version 1.22.0			
Device Cap	pability DALI Devic	es		
Additional	Save Settings	$(\mathbf{b})$		

### **Dali Settings**

- 1. Select parent device form "Device Settings" page
- 2. Click on "Dali devices" corresponding to property "Device capability" to view the Dali

devices 3. Click on "DALI Settings" option.

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=	Device Setting	÷	SLM-A-B-1	÷	SLM-A-B-1	÷	Additional Settings
Devices		DALI Devices	DALI settings	DALI Devices	DALI settings	Motion Se	ensor Trigger Settings
SBM-U-BW-1	>	SLM-A-B-1 DAL	11 <b>&gt;</b>	SLM-A-B-1 DAI	JI1 >	Sensor Lo	ockout Settings
SLM-A-B-1		SLM-A-B-1 DAL	12 >	SLM-A-B-1 DAI	JI2 >	Maintai	n Ambient light, PIR/LDR Lockout
		$\langle$	OTA Update		OTA Update		

Motion Trigger Settings (Mentioned earlier. <u>Click here</u>)

#### **Sensor Lockout Settings**

(Mentioned earlier. Click here)

### **Additional settings of Dali devices**

- 1. Select parent device form "Device Settings" page
- 2. Click on "Dali devices" corresponding to property "Device capability" to view the Dali devices
- 3. Select any of the Dali devices
- 4. Click on "Additional Settings" button to access "Light Configuration Settings" option.

	≉ 💐 🛜 📶 39% 🛓 14:52		🕸 🕅 👔 🕯 🛔 🕸 🕯 🕯	P	考 🔌 谐 😤 🚛 81% 🖹 21:57	P	\$ ¥ ₩ 🛱 😤 📶 81% 🗎 21:57
← SLM	I-A-B-1	÷	SLM-A-B-1	← De	evice Settings	÷	Additional Settings
DALI Devices SLM-A-B-1 DALI 1 SLM-A-B-1 DALI 2	DALI settings	DALI Devices	DALI settings	Device Name Software version Hardware version Firmware version Device Test Additional Settings	SLM-A-B-1 DALI 1 1.0.8 Check 8.0.0 1.10.0 Check (ON) OFF Save	Light Confi	Iguration Settings

### **Light Configuration Settings**

- 1. **Max. Level**: Maximum intensity at which the device will operate when the slider is at 100%.
- 2. **Min. Level**: Minimum intensity at which the device will operate when the slider is at 0%.
- Fade Time: Time taken by the device to turn Off / On. Values can be configured by releasing the slider at various positions ranging from 1-15 seconds. <u>IT'S</u> SUGGESTED TO USE THE VALUE 1 OR 2 TO PERFORFM A SMOOTH DIMMING.
- 4. **Fade Rate:** Fade rate value of 1-15 can be configured. It specifies the rate at which the intensity of the device will be dimmed when turned Off / lit when turned On.
- 5. Dim Curve: Linear / Logarithmic options are available. With Linear option, user can see gradual increase/ decrease in intensity at which the lighting device will be dimmed when turned Off / lit when turned On. With Logarithmic option, user can see instant increase / decrease in intensity of the lighting device when turned On / Off.

<ul> <li>★ Additional Settings</li> <li>Light Configuration Settings</li> <li>Max Value/Min Value/Fade Time Value</li> <li>Max Level</li> <li>Min Level</li> <li>Min Level</li> <li>Teade Time</li> <li>Update</li> <li>Update</li> </ul>	Additional Settings  iguration Settings  iguration Settings  iguration Settings  Max Level  100  Updat  Fade Time  Update  DIM Curve  Logarithmic  I	R * * 111 *	all 81% 🖹 21:57	4	* 🗙 👯 😤 👍 819	n
ight Configuration Settings  Max Level 100 Min Level 1 Fade Time Update Fade Rate Update	iguration Settings   Ar/Min Value/Fade Time Value  Max Level 100 Updat  Min Level 1 Updat  Fade Time  Update  Fade Rate  T  Update  DIM Curve  Logarithmic	← Additional Settings		← Light	Configuration Settings	
Max Value/Ain Value/Fade Time Value  Min Level  1  Fade Time  Update  Update  Update	Min Level 1 Updat Fade Time Value Min Level 1 Updat Fade Rate 7 Update DIM Curve Logarithmic	Light Configuration Settings	>	Max Level	100 Up	dat
Fade Time Update Fade Rate Update	Fade Time 0 Update Fade Rate 7 Update DIM Curve Logarithmic	Max Value/Min Value/Fade Time Value		Min Level	1 U	oda
Update Fade Rate Update	Fade Rate 7 Update DIM Curve Logarithmic 1			Fade Time	•	I
Fade Rate Update	Fade Rate 7 Update DIM Curve Logarithmic				Update	
Update	Update DIM Curve Logarithmic			Fade Rate		5
	DIM Curve Logarithmic		1		Update	
DIM Curve Logarithmic (				DIM Curve	Logarithmic	

Figure 58 Light configuration settings

### Fade Rate Configuration

**Fade Rate Configuration:** If user sets fade time value as x seconds and fade rate as y, then on

tapping the 'On' button, intensity of light in the configured DALI channel is increased in steps

of value y (configured Fade Rate value), from intensity 0 to 100 in x seconds (configured Fade Time value)

- a) Set Fade Time value to 6 by dragging the slider and releasing it at the required position
- b) Set Fade Rate value to 10 by dragging the slider and releasing it at the required position
- c) Tap on the toggle button for Dim Curve and select Linear option
- d) Tap on Ok button to save the configuration

With the above mentioned configurations, when user taps on 'On' button, intensity of light in configured DALI channel is increased in steps of 10 (as configured in Fade Rate value), from intensity 0 to 100 intensity in 6 seconds.

← Light	Configuration Set	tings
Max Level	100	Update
Min Level	40	Update
Fade Time		6
	Update	
Fade Rate		10
	Update	
DIM Curve	Linear	
Devi	ce edited successf	ully

Figure 59 Fade rate configuration for DALI Channels

## **12. Space Settings**

**Space Setting**: This feature can be used to operate multiple groups at a time. Space can be

defined as a super group.

Eg: Assume that in a meeting hall, lights for projector are under Group1 and lights for reading

are under Group2.User can add Group1 and Group2 under a space so that lights under both

these groups can be controlled at a time via a space level operation.



a) Select "Space Settings" from side menu.



Figure 67 Space Settings

### **Creating spaces**

Follow the below given steps for creating space:

- a) Click on plus button of "Space Settings" screen
- b) Enter the space name and click "Ok"



Figure 68 Creating space

### **Group Space Association**

Follow the below given steps for associating groups to space: a)



Select the space.

- b) All the groups will be listed.
- c) Click on plus button (+) corresponding to group in order to associate to space.

	3:05
Delete Rena	me Delete Rename
	Device List
Group 1 +	Group 1 —
Group 2 +	- Group 2 -
Group 3 +	- Group 3 +
Group 4 +	- Group 4 +
< 0 □	⊲ 0 □

Figure 69 Groups in space

### **Tune operation delay**

For obtaining delay free operation in the associated groups inside a space tune delay is introduced which synchronizes the operation of the space after a definite set duration. (if set as 4, all groups in the space will operate after 400 ms)

• • • •	\$ ¥€ ₩î 😤 .al 100% 🖿 2	1:09	<b>\$ \$</b> { tre \$?	00% 🖹 21:09	• ⊀ ¥₩ ≌ лI	100% 🗋 21:09
÷	sp1	÷	sp1	÷	sp1	
Tune	operation delay Delete Ren	ame Tune	e operation delay Delete	Rename	Tune operation delay Delet	e Rename
<u>- 2</u>		Adjust s operati	lider and perform ON/C ion manually to fine tun operation delay.	PFF e 4	Adjust slider and perform ON/ operation manually to fine tu operation delay.	OFF ine
	7 - 1		ON OFF		ON OFF	
Group List		e Warning : clea	Operation delay values wil ared when you log out !!!	l be c	Warning : Operation delay values w cleared when you log out !!!	vill be
Group 8	-		ОК 🗸		ОК 🗸	
Group 7	-	H	× Cancel		× Cancel	
Group 6	-	H Group 6		+ Group	00	Ŧ
Group 5	-	Group 5		+ Group	5	+
Group 4	-	Group 4		Group	o 4	+

### **Space operations**

Follow the below given steps for performing space operation: a)

Select "Lighting Control" from side menu.

- b) Select "Space" tab
- c) Tap on ON/OFF button/Sliders for space operations



Figure 70 Space operation

### **Group Space Dissociation**

#### Follow the below given steps for dissociating groups from space:

- a) Select the space. All the groups will be listed.
- b) Click on plus button (-) corresponding to group in order to dissociate groups to space.

	¥ ⊖ ♥ 🛛 🛿 18:05		* • *	🛡 🖹 🛿 18:05
د ،	Delete Rename	5	Space I	elete Rename
Levice List		Device List	•• 	
Group 1	-	Group 1		+
Group 2	-	Group 2		+
Group 3	+	Group 3		+
Group 4	+	Group 4		+
$\bigtriangledown$	0 🗆	$\triangleleft$	0	

Figure 71 Dissociation

### **Renaming spaces**

Follow the below given steps if user needs to rename space:

- a) Select the space
- b) Click on "Rename" button.
- c) Rename the space name and click "Ok"

	* 0 *	18:05		* 6	V 🕅 🛿 18:05		a *	. <b>nl</b> 16% 🚊 21:34
÷	Space 1		÷	Space 1		÷	Space 1 edited	
	Del	ete Rename			Delete Rename			Delete Rename
								+
<u>a a</u>	!						<u> </u>	
C T	i			Rename				
	7 -		- I	Space 1 edited				
Device List	_		c	ОК 🗸				
01			li	X Cancel	- il	Device List		
Group 1				X Caller		Group 1		+
Group 2		-	Group 2		_	Group 2		+
Group 3		+	Group 3		+			
Group 4		+	Group 4		+	Group 3	-	+
						Group 4	updated successful	* +
$\Diamond$	0		Q	0		Group 5		+

Figure 72 Renaming space

### **Uploading picture to space**

Follow the below given steps if user needs to upload picture to space:

a) Select the space



b) Click on plus button



#### **Choose from phone gallery**

Follow the below given steps if user needs to upload picture from phone gallery to space:

- a) Select "Choose from phone gallery"
- b) Select a picture from phone gallery
- c) Click "Select"



Figure 74 Choose from phone gallery

### **Choose from App gallery**

Follow the below given steps if user needs to upload picture from App gallery to space:

a) Select "Choose from App gallery"



- b) Select a picture from App gallery
- c) Click on tick mark



Figure 75 Choosing from app gallery

### **Deleting space**

Follow the below given steps if user needs to delete a space:

- a) Select a space
- b) Click on "Delete"
- c) Click "Yes" of confirmation message.





Figure 76 Delete



## **13. Group Settings**

### **Device group association**

NOTE: Associating a device to at least a single group is mandatory to perform operations. If device is not associated to a group at the time of pairing follow the below mentioned steps for

device group association.

#### Follow the below given steps for associating devices to a group:

- a) Select "Group Setting" from side menu options.
- b) By default, groups will be listed in "Group Settings" page.
- c) Click on the group to which device have to be associated. Control goes to the selected group page.
- d) Click on plus button (+) at the right end of the device name in order to associate that device to the group.

#### NOTE:

- All paired devices will be listed in all available groups by default.
- A device can be associated to multiple groups at a time.

**Group setting**: "Group settings" enables user to group lighting devices and perform operations on all grouped lights at a time.

For eg, in a bedroom there may be more than one lighting device. So in order to operate all devices at a time, we can create a group and associate all the lighting devices into the created group and then perform group level operations.

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÷	user8@org8		Gr	roup 6					
SLP-B Version 1.			Gr	roup 7				Group de	evice association success
			Gr	roup 8					



#### NOTE : SLM-A DALI

Child devices can be added individually into groups as described below.

#### Follow the below given steps for associating child Dali devices to group:

- a) Select the group to which the child device has to be added.
- b) Click on the paired SLM-A Dali device name.
- c) Click on plus button corresponding to individual child device in order to associate it to group.



Figure 78 Associating child devices

### **Group operations**

#### Follow the below given steps for performing group operations:

- a) Select "Lighting Control" from side menu options.
- b) From the list of groups, select the group to which the device is associated.
- c) The button inside the seek bars indicate the state of the devices in the group.OFF button indicates that the devices inside are in OFF state
- d) Tap on OFF button for turning ON the devices in the group. The selected group's icon will be displayed inside the intensity and warmness seek bars which indicates that the devices are in ON state.
- e) User can use the sliders for varying the intensity/warmness of the associated devices.



Figure 79 Group operations

### **Device Group Dissociation**

#### Follow the below given steps if user needs to dissociate devices from group:

- a) On successful device group association, plus button (+) on the right end of device name will be replaced by minus button (-).
- b) Click on minus button (-) to dissociate the device from the group.

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÷	Group 1
	☆ Delete Rename
Device List	
RGB CCT-1	+
Grou	up device dissociation success

Figure 80 Device Group dissociation

### **Creating groups**

#### Follow the below given steps if user needs to create a group:

- a) Select "Group Setting" from side menu options. Click on plus button (+).
- b) Enter a group name in "Add group" input box and click OK .

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Group 1	>
Group 2	>
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Group 4	>
Group 5	>
Group 6	>
Group 7	>
Group 8	>

Figure 81 Creating groups

### **Renaming groups**

#### Follow the below given steps if user needs to rename a group:

- a) Select "Group Setting" from side menu options.
- b) Select the group which have to be renamed from the group list in "Group Setting" page. c) Click on "Rename" button.
- d) Rename the group and click "Ok" button.



Figure 82 Renaming group

### **Changing Group Icon**

#### Follow the below given steps if user needs to change the group icon:

a) Select the group from the group list. Click on plus button (+) button.



Figure 83 Plus Button



### **Choose from phone Gallery**

Follow the below given steps if user needs to upload a picture from phone gallery to

**group:** a) Phone gallery will be opened. b) Select an image.



Figure 84 Image from App gallery

### **Choose from App Gallery**

Follow the below given steps if user needs to upload a picture from App gallery to

group: a) App gallery will be opened.

- b) Select an image
- c) Click on tick mark



Figure 85Image from App Gallery

## **Ordering Groups**

**Ordering groups:** Groups can be ordered. This order will get reflected in space, scene and dashboard.

#### Follow the below given steps if user needs to order groups:

- a) Select "Group setting" from side menu.
- b) Click on "Edit" button.
- c) Click on the hamburger menu corresponding to groups and drag to order.
- d) Once the ordering is finished, click on "Done" button.

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Grou	up 4 >	Group 4	=	Grou	ip 5	-	Group	5	>
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Figure 85 Ordering groups

### **Deleting Groups.**

Follow the below given steps if user needs to delete a group:

- a) Select the group from the group list.
- b) Click on "Delete" button.
- c) Click "Yes" of the confirmation message.

**Sensor:** The smart devices can be linked to various smart sensors. The association of a smart device to a smart sensor can then be configured to decide the actions, that the smart devices perform.

**NOTE**: In order to link a multi-sensor, the user needs to make sure that there is at least one paired device associated to that group.



#### Figure 86 Group Delete

## 14. Sensors

Sensor Group Linking

#### Follow the below given steps for linking sensor to a group:

- a) Pair a sensor (Refer heading "Wireless Setting")
- b) Select "Group Setting" from side menu options.
- c) Select a group.

- d) Click on edit button corresponding to sensor.
- e) User can select the mode of sensor as per the requirement.

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	Group 4	>	Daylight sen	isor +
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Sensor associated	successfully	Selweden	nsor associated successf	ully



### **Device settings- Sensor**

- Select the paired SCM-S-B from "Device Settings" page
- User can rename SCM-S-B, edit security code, et Ambient Light Configuration, set PIR LED indication from this screen.

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Firmware version	1.22.0		
Motion Sensor LED Indication			
Device Capability	None		
Ambient Light configuration	Set Min	Set Max	
	Save		
Additional Settings			>

### **Motion Sensor LED Indication**

**Motion Sensor LED indication:** Once the Motion Sensor LED Indication property is follow the below given steps for enabling PIR LED indication property:enabled, LED indication will be reflected in

SCM-S-B on emitting PIR triggers.

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Figure 89 PIR LED Indication



### **Ambient Light Configuration**

Based on the ambient light, LDR senses values from 0 to 100. The value 0 and 100 are sent by LDR corresponding to the MAX and MIN ambient light settings configured on the sensor.

Instead of immediately changing light intensity in accordance to the ambient light sensed by LDR, the transition from current intensity of light to ambient light will happen at the rate of LDR packet is received – typically 1 min.

a) When light of desired minimum intensity falls on sensor, click on "SET MIN" button. That particular intensity will be set as the minimum ambient light for the lighting devices.

Certain Settings  Device Name SCM-S-B-1 Device Security Code 0000 Edit Software version 2.1.21 Chec Hardware version 2.0.0 Firmware version 1.22.0  Motion Sensor LED Indication Device Capability None Ambient Light configuration Save	
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Device Security Code       0000       Edit         Software version       2.1.21       Check         Hardware version       2.0.0       Firmware version       1.22.0         Motion Sensor LED       Indication       Device Capability       None         Ambient Light configuration       Set Min Set Mi	
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Additional Settings	>
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b) When light of desired maximum intensity falls on sensor, click on "SET MAX" button. That particular intensity will be set as the maximum ambient light for the lighting devices

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Motion Sensor LED Indication			
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### Additional Settings – Multi-Sensor SSM-M-B

Click on the right arrow corresponding to "Additional Settings" to access the following options:

- 1. Light Configuration Settings
- 2. PIR Trigger Settings
- 3. Sensor Lockout Settings
- 4. Sensor Data Log
- 5. OTA Update

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Firmware version	1.22.0		
Motion Sensor LEI Indication			
Device Capability	None		
Ambient Light configuration	Set Min	Set Max	
	Save		
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### **Light Configuration Settings**

Mentioned earlier.

### **Motion Sensor Trigger Settings**

Mentioned earlier.

**Sensor scan**: Emitted temperature, color, humidity, LDR values from sensor will be displayed.

#### Sensor Lockout Settings Mentioned earlier. <u>Click here for reference</u>
## **Sensor Data Log**

- a) Pair SSM-M-B
- b) Tap on the paired device name from "Device Settings" page
- c) Click on "Sensor Data" button
- d) Click on "Scan" button at the top right corner of the screen



Figure 91 Sensor scan

### **OTA Update**

Mentioned earlier. Click here for reference.

## Sensor enable/disable from Lighting Control page

User can enable/disable sensor trigger to devices associated to group, by tapping on the icon

besides the group name in "Lighting Control" page.

On adding a device to a sensor associated group, if group sensor status is enable/disable, that will be applicable to the newly added device also.

#### iQuzzini



Figure 92 Sensor enable

Retry option will be available, if the functionality of sensor enable/disable fails on any of the devices that are linked with sensor.



Figure 93 Retry icon

## **Sensor delete**

• Step1 - When user try to delete a sensor which associated to one/many groups, application will show below alert.

"Please delink the device(s) that is(are) linked to sensor. Deleting the sensor may cause malfunction. Do you want to continue?"

- Step2. If user click cancel for step 1, deletion will stop.
- Step 3 If user click YES for step 1 ,application will try to delink all devices connected to the sensor in background.
- Step 4 If all success for step 3 ,normal device delete process will continue.
- Step 5 If anyone fails for step 3 ,application will show following alert.
   "Some devices failed to delink from sensor!. Deleting the sensor may cause malfunction. Do you want to continue?
- Step 6 If user click cancel for step 5, deletion will stop
- Step 7 If user click YES for step 5 ,normal device delete process will continue.



Figure 94 Sensor delete

# 15. BLE-WIFI Bridge PA59 (SBM-U-BW)

**SBM-U-BW**: SBM-U-BW is a communication hardware between the BLE Network and Cloud server. It is used to capture data from devices and send it to cloud server.

The main functions of a bridge device includes:

- 1. Collecting data from devices
- 2. Pushing data to cloud server
- 3. Doing Remote operation



Figure 95 BLE-WIFI Bridge, code PA59

#### Follow the steps given below for pairing SBM-U:

- a) Select "Wireless Setting" from side menu options.
- b) Power cycle BLE-WIFI
- c) Wait till fast blinking occurs which is the indication of pairing mode.
- d) Click "Scan" button
- e) Click "Add" button of the bridge device
- f) Enter security code when asked and complete the pairing process.

Wireless Setting Stop Location Home Security Code 00000
Location Home Security Code 0000
0000
Device List
SBM-U-BW

Figure 96 Scan bridge device

- g) Select the authentication mode
- h) Click on "Scan SSID" button to view the available networks.
- i) Select a network from the list to which the BLE-WIFI has to be configured.
- j) Enter the password and click on "Configure" button.
- k) Rename BLE-WIFI if needed and click "Ok"
- 1) Paired BLE-WIFI now appears in "Device Setting" page.

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CONFIGURE	CONFIGURE	CONFIGURE	CONFIGURE

**NOTE:** SBM-U-BW need not have to be associated with any of the groups.

#### Configure BLE-WIFI and then follow the step given below for performing remote operations:

m) Wait for the one second blink. BLE-WIFI is ready for the operation once the one second blink occurs. Devices can be operated remotely now and scenes can be invoked remotely.



Figure 97 Remote operation

## **Bridge diagnostics**

**Bridge Diagnostics**: This option is provided for checking the current status of the paired SBM-U-BW.

- 1. Go to "Device Settings" page of paired BLE-WIFI
- 2. Tap on "Additional Settings"
- 3. Select "Bridge Diagnostics"

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	Delete	Bridge diagnostics Diagnosting bridge	$\bigcirc$	SBM-U-BW-1
Vevice Name SBM-U-BW-1		Bridge reconfigure Change SSID/Authentication mode	>	Diagnostic mode will expire in
Software version 02.01.64				00.01.16
Hardware version 4.1.0				
Device Capability None			IF D	2:192.168.50.68
Save Additional Settings	$\bigcirc$			

**Bridge reconfigure**: This option is provided for changing SSID/authentication mode and thereby reconfiguring the SBM-U-BW.

## **Bridge reconfigure**

- 1. Go to "Device Settings" page of paired BLE-WIFI
- 2. Tap on "Additional Settings"
- 3. Select "Bridge Reconfigure"
- 4. Message to repower the bridge will appear
- 5. Repower the bridge device
- 6. Control now navigates to "Reconfigure" page
- 7. Change the SSID/authentication mode

#### iCiuzzini

#### 8. Click "Reconfigure" button

**NOTE:** "Reconfigure" button should be clicked only when the SBM-U-BW is in fast blinking mode. Normally it will take 40-50 seconds after power cycling the device.

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# 16. Scenes

**Scene**: A scene is nothing but a group with a predefined set of operations. Scene is a theme which is already set, that can be applied to a group of devices.

### **Creating scenes**

Follow the steps given below if user needs to create scene:

- a) Select "Scene Setting" from side menu options.
- b) By default, there will be 8 scenes. To create a new scene, click on plus button (+).
- c) Enter a scene name in the "Add Scene" input box and click "Ok".

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Figure 98 Creating scene

### **Renaming scenes**

#### Follow the steps given below if user needs to rename scene:

- a) Select "Scene Setting" from side menu options.
- b) Select the scene which have to be renamed.
- c) Click on "Rename" button.
- d) Rename the group and click "Ok" button.

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Figure 99 Rename scene

## **Changing Scene icon**

Follow the steps given below if user needs to change scene icon:

- a) Select the scene from the list.
- b) Click on plus button (+) below "Setting" button.



Figure 100 Plus button

### **Choose from Phone Gallery**

Follow the steps given below if user needs to upload picture from phone gallery to scene:

- a) Select "Choose from Phone gallery"
- b) Phone gallery will be opened.
- c) Select a picture.
- d) Click "Select" button



Figure 101 Image from Gallery

### **Choose from App Gallery**

Follow the steps given below if user needs to upload picture from App gallery to scene:

- a) Select "Choose from App gallery"
- b) App gallery will be opened.
- c) Select a picture.
- d) Click on tick mark
- e) Click "Yes" of confirmation message

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Figure 102 Image from App Gallery

### **Group scene association**

Follow the steps given below for associating devices to scene:

- a) Select "Scene Setting" from side menu options.
- b) Select a scene to which device have to be associated. 99 |  $^{\text{P}}$  a g  $^{\text{e}}$

- c) Groups having devices in it will be listed in all available scenes by default.
- d) Click on the plus button (+) on the right end of the group name in order to link that group to the scene.

NOTE: Only the groups having devices in it, will be listed inside scenes.

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Scene 7	>						
Scene 8	>						
Scene 22	>				s	cene association	success

Figure 103 Device scene association

**NOTE:** While adding new group to scene, if any device in the group fails to associate then pending status ONE(Green Icon ) will be displayed.

Same will be displayed on adding a new device to a group which is already added to scene.



## **Scene configuration**

If multiple groups are associated to a scene, each of the groups can have separate setting.

While setting the common scene configuration, if "All <sup>groups</sup>" box is unchecked, the individual scene setting will remain as such or else the individual scene setting will be overridden.

### Individual scene configuration

#### Follow the steps given below for configuring a scene:

- a) Click on plus button corresponding to group in order to associate it to scene
- b) Tap on "Settings" icon besides the associated group name
- c) Configure the scene
- d) Click "Ok" button.



#### 101 | Page

Figure 104 Child device association

# NOTE: While setting common scene configuration, "All groups" checkbox should be unchecked for the individual scene setting to remain intact.

All the groups associated to a scene can be configured with same settings by checking the "All

groups" box in scene settings window. This will be checked by default.

If there are 3 associated groups and out of which if 1 group is having individual scene settings,

then on checking "All groups" box and clicking "Ok", the individual s cene settings will be overridden.

### **Common scene configuration**

#### Follow the steps given below for configuring a scene:

- e) Click on plus button corresponding to groups in order to associate those to scene f)
- Click on "Setting" button.
- g) Configure the scene
- h) Click "Ok" button.



Figure 105 Common scene configuration

### **Invoking scenes**

Follow the steps given below for invoking scene:

- a) Select "Scene" tab from dashboard.
- b) Select the configured scene.



Figure 106 Invoking Scenes

### **Group Scene dissociation**

Follow the steps given below if user needs to dissociate groups from scene:

a) Click on the minus button (-) to dissociate the group from the scene.



NOTE: While removing one group from scene, if any device fails to dissociate from scene, then pending status Two(Red Icon) will be displayed.



**NOTE**: When a scene is backed up, if there is a device common to multiple groups, the device will hold the last group scene setting in which the device is part of.





Figure 107 Device Scene dissociation

### **Scene Delete**

a) Click on "Delete" button. Click "Yes" of the confirmation message.



Figure 108 Scene Delete

NOTE: While deleting a scene, if feedback is not received from any of the devices of the associated group, alert will be displayed.



# 17. Schedule

**Schedule:** The process of scheduling an operation [example : on/off/intensity/] with a particular time period and date , ie, startup time, end time. Schedule status is mandatory.

WARNING: THE SCHEDULE IS TIME-SYNCRONIZED VIA THE BLE-WIFI BRIDGE, WORKS WELL ONLY

IF BRIDGE IS PRESENT

### **Creating a schedule**

Follow the steps given below if user needs to create a schedule:

- a) Select "Schedule" from side menu options.
- b) By default, there will be 8 schedules. To create a new schedule, click on the plus button (+).
- c) Enter schedule name in the input box and click "Ok".

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SLP-B Version 1.1			Schedule 8	>	Schedule 8		>	Schedule 7	>
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## Schedule configuration

#### Follow the steps given below for configuring a schedule:

- a) Select a schedule from the list.
- b) Select the configured scene that is to be scheduled.
- c) Click on "Settings" button.
- d) Configure the schedule. Click "Ok" button.

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Figure 110 Configure schedule

### **Renaming schedules**

Follow the steps given below if user needs to rename a schedule:

- a) Select the schedule which have to be renamed.
- b) Click on "Rename" button.
- c) Rename the schedule and click "Ok" button

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Figure 111 Rename the schedule

### **Enable/Disable schedule**

Follow the steps given below if user needs to enable/disable a schedule:

- a) Select the schedule that has to be enabled/disabled.
- b) By default, schedule will be enabled.
- c) Toggle the enable/disable button.

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Figure 112 Enable/Disable button

## **Deleting Schedule**

Follow the steps given below if user needs to delete a schedule:

- a) Click on "delete" button.
- b) Click "Yes" of the message.

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Scene 1 Scene 2	Scene 1 Scene 2
Scene 3 Scene 4	Warning
Scene 5 Scene 7	Do you want to delete this schedule?
Scene 8	ОК 🗸
	× Cancel
< 0 □	< 0 □

Figure 113 Deleting Schedule

# **18. Deleting a device**

#### Follow the steps given below if user needs to delete a device from App:

- a) Select "Device Setting" from the side menu options.
- b) Paired device can be seen under "Devices" of "Device Setting" page.
- c) Click on the right arrow at the right end of paired device.
- d) Click on "Delete" at the top right end of "Device Settings" page. Click on "Yes" button of confirmation message.

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RGB CCT-1 SBM-U-BW-1 SCM-S-B-1 SLM-D-B-1	> > >	Device Name     RGI       Device Security Code     000       Software version     2.2.       Hardware version     2.0.       Firmware version     1.22       Retain State     Device Test	B CCT-1 20 Edit 89 Check 0 2.0 (OFF)	Device Name Device Security Cod Software version H Delete F Do you want to R	RGB CCT-1 e 0000 Edit 2 2 89 Check o delete device ? NO YES
		Device Capability None Save Additional Settings	>	Device Capability	None Save

#### Figure 114 Deleting device

## 19. User Management

**User management:** App provides the feature of editing the privileges of root user. Subusers can be created and by default all the privileges will be granted for these sub-users on all locations of the account. These privileges can be restricted on selected locations.

### Editing the details of root user

#### Follow the steps given below if user needs to edit the details of root user:

- a) Select "User" option from the side menu.
- b) "User Settings" page will be displayed with the root admin name.
- c) Tap on root admin icon to view the details.
- d) Click on "Edit" for editing the details.
- e) Enter the password in "Password" and "Confirm Password" fields, if needed. f) Click "Next"
- g) All the locations in the account will be listed under "Locations". Any location can be selected and the privileges that need to be granted can be checked. Click "Save changes" button.





Figure 115 Edit basic details and privileges

## **Creating sub user**

#### Follow the steps given below for creating sub-users:

- a) Click on plus button in "User Settings" page.
- b) Basic details page of new user will be displayed. All the fields can be filled. Click "Next".
- c) All the locations in the account will be listed under "Locations". Any location can be selected and the privileges that need to be granted can be checked.
- d) New user will be created.



Basic Details Privi	leges	Users	•
Username: user2@org8 Email: amohan2@doma Password: ******	in.com Show		18
Home	•	user1 use	er2
Lighting Control			
Wireless Settings		User created	successfully.

Figure 116 Creating sub-user

### **Disabling Sub user**

#### Following the steps given below for disabling sub user

- a) Tap on the created sub user icon
- b) Click on disable button
- c) Click "Yes" of confirmation message

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# 20. Favorite

**Favorite**: Maximum of 4 groups and 4 scenes can be marked as "Favorite". These groups and scenes can be operated from the widget.

Select "Favorite" from side menu options.



Figure 117 Favorite

#### Adding groups to favorite

Groups can be added to favorite from "Group Setting" and also from "Favorite" page.

#### Adding groups from "Group Setting"

# : Follow the steps given below for adding groups from "Group Setting" to favorite

- 1. Select "Group Setting" from side menu options.
- 2. Select the group that has to added to "Favorite"
- 3. Tap on the star button above the group picture.
- 4. The group is now added to "Favorite"
- 5. Select "Favorite" from side menu options.
- 6. Select "Group" tab to view the group added to "Favorite"



Figure 118 Adding group to favorite

#### Adding groups from Favorite page

#### Follow the steps given below for adding groups from "Favorite" page to favorite:

- 1. Select "Favorite" from side menu options.
- 2. Select "Group" tab.
- 3. Tap on plus button at the bottom right corner.
- 4. Tap on the star button corresponding to a group that has to be added to favorite.
- 5. Click the Back button to got to "Favorite" page



Figure 119 Adding group to favorite

#### Adding scenes to favorite

Scenes can be added to favorite from "Scene Setting" and also from "Favorite" page.

#### Adding groups from "Scene Setting"

#### Follow the steps given below for adding scenes from "Scene Setting" to favorite:

1. Select "Scene Setting" from side menu options. 2.

Select the scene that has to added to "Favorite"

- 3. Tap on the star button above the scene picture.
- 4. The scene is now added to "Favorite"
- 5. Select "Favorite" from side menu options.

6. Select "Scene" tab to view the scene added to "Favorite"





Figure 120 Adding scene to favorite

#### Adding scenes from Favorite page

Follow the steps given below for adding scenes from "Favorite" page to favorite:

- 1. Select "Favorite" from side menu options.
- 2. Select "Scene" tab.
- 3. Tap on plus button at the bottom right corner.
- 4. Tap on the star button corresponding to a scene that has to be added to favorite.
- 5. Click the Back button to got to "Favorite" page





# 21. Widget

**Widget:** Widget is a control element in a graphical user interface that provides a specific way for a user to interact with the Application.

#### iCiuzzini

### **Adding widgets**

#### Follow the steps given below for adding widgets in the Today view:

- 1. Long press the Home screen or Lock screen.
- 2. Select "Widgets" from the bottom tab.
- 3. Type "iGuzzini"
- 4. Long press on "iGuzzini" which appears on screen.
- 5. Press and drag "iGuzzini" to the widget.



Figure 122 Selecting application



Figure 123 Adding widget

## **Operation from widget**

### **Group operation**

#### Follow the steps given below for performing group operations from widget:

- 1. Select "Groups" tab
- 2. Groups added to favorite will be displayed
- 3. Click on ON/OFF buttons of the groups to perform group operation



Figure 124 Group operation from widget

### Invoking scenes

#### Follow the steps given below for invoking scenes from widget:

- 1. Select "Scenes" tab
- 2. Scenes added to favorite will be displayed.
- 3. Click on "Invoke" button corresponding to a scene to invoke that scene.



Figure 125 Invoking scenes from widget

### Removing widget from today view

Follow the steps given below if user needs to remove widget from today view:

- 1. Long press on widget.
- 2. Drag it to "Remove" icon.



Figure 126 Removing widget



# 22. Mesh OTA

**Firmware**: Firmware is a software that controls, monitor and manipulates data of engineered products and systems. Updating the firmware is required for fixing bugs or adding additional features to the device.

#### **Pre-requisites:**

- a) A bridge device must be paired and running as a part of your user account.
- b) The device must have mesh-firmware 2.2.46 or above as its present firmware.
- c) Firmware image should be uploaded, prior to performing OTA update from App
- a) Select "Mesh OTA" option from side menu
- b) Firmware file uploaded in server corresponding to the paired device types will be listed.
- c) Click on "OTA" button to initiate firmware update request





Figure 127 Mesh OTA

# 23. Backup & restore

Follow the steps given below if user needs to view the backed-up entries:

- a) Select "Backup & restore" from side menu options.
- b) Click on the drop-down button corresponding to the backed-up device type.
- c) The backed-up configurations corresponding to the device type will get listed.

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	Version 1.2.77									

## **Renaming Backup**

#### Follow the below given steps if user needs to rename the Backup:

- a) Select "Backup/Restore" from side menu options.
- b) Click on the drop-down button corresponding to the device.
- c) Click Edit button corresponding to the back-up which have to be renamed.
- d) Rename the backup and click "Ok" button.

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## **Deleting Backup:**

#### Follow the below given steps if user needs to Delete the Backup:

- a) Select "Backup/Restore" from side menu options.
- b) Click on the drop-down button corresponding to the device.
- c) Click on "Delete" button corresponding to the back-up which have to be deleted.
- d) Click "Yes" on the confirmation message.
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|                |                       |                |                           |           |          |   |          |                 |                            |

## 24. Change Password

Change password: User can change the account password by accessing this option.

- a) Select "Change Password" option from side menu.
- b) Fill in all the fields
- c) Click on "Update" button

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O	Mesh OTA		Update	
8	Change Password			
₽	Sign out			



# **25. Multiple user feature**

**Multiple user feature**: This feature allows adding and managing accounts. User can sign in to another account from the Application itself, without signing out from current account.

#### Follow the steps given below for viewing the side menu:

- 1. Click on the dropdown icon at the right bottom end of user profile.
- 2. Drop down icon will toggle between the app menu items and multi account menu options



Figure 129 Drop down icon

## **Add Account**

#### Follow the steps given below for adding account:

- 1. Select "Add Account" option
- 2. Select " Create Account" button
- 3. Enter the details
- 4. Click on "Create Account" button
- 5. Account is created and control comes to "Sign In" page



6. Enter username and password and click "Sign In" button.

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Password		
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Successfully registered	Create Account	Please create or select the existing Location

Figure 130 Account creation from an account

7. Select a location. Click on the hamburger menu at the left top end of "Location" page to view the user profile and side menu panel.

**NOTE**: When we add new account, current user will switch to new account.



Figure 131 Switched to new account

### Manage Account

#### Follow the steps given below for managing accounts:

- 1. Select "Manage Account" from side menu options
- 2. List of users will be listed in "Manage Account" page



#### Figure 132 List of accounts

### Add another account

Follow the steps given below for adding another account from "Manage account":

1. Click on "Add another account" button at the bottom of "Manage Account" page  $^{2}$  P Create a new account.

#### **Removing account**

#### Follow the steps given below for removing account from "Manage account":

- 1. Select the account to be deleted
- 2. Click on "Edit" button
- 3. Recycle bin icon appears at the right end of the accounts listed.
- 4. Click on the recycle bin icon corresponding to the account that has to be deleted.
- 5. Click "REMOVE" of the confirmation message.
- 6. Selected account gets removed now.
- 7. Select any account to continue.







Figure 133 Success message

# 26. Sign out

#### Follow the steps given below for signing out from Application:

- 1. Select "Sign out" from the side menu options.
- 2. Click "Yes" for the confirmation message.



Figure 134 Sign out

**NOTE:** When user performs sign out, if no more user accounts are available, control navigates to "Sign In" screen or else navigates to "Manage Account" screen where user can select account.







Figure 136 Sign out in case single account is added