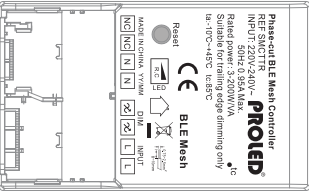# PROLED®

Smart Controllers Instructions

To integrate traditional lighting products into the Smart AIoT ecosystem, connect to the Smart DALI-2, Phase-cut and LED strip controllers. These controllers provide wireless control of traditional lighting, including ON/OFF, dimming, tuning, and color change, within a range of 15 meters. Compared to traditional lighting systems, these controllers offer numerous advantages, such as convenience, low cost, high flexibility, comprehensive functions, memory function, and easy installation. Additionally, they feature short-circuit protection, open-circuit protection, and heat protection.

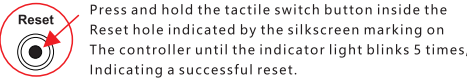## PROLED® — Phase-cut BLE Mesh Controller

Ref: SMCTTR

Features:

- Easy control: achieve Bluetooth connecting and control The lights, max. 20 meters wirelessly through a mobile app.
- Achieve wireless ON/OFF, 0-100% dimming
- Memory function: Switch-on with last brightness
- Max. load: up to 200W phase-cut dimmable luminaires
- Independent Installation: Built-in cable clamp, suitable For any remote installation.
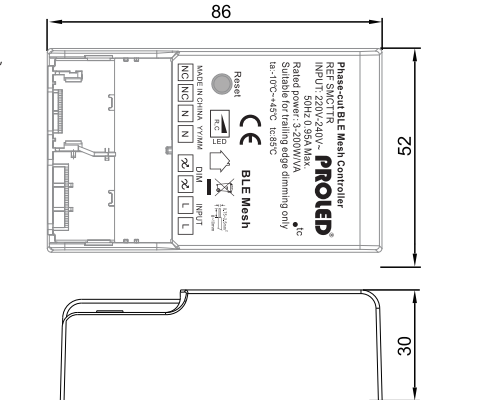- Easy wiring: Push-fit terminals with through wiring, no Screw fixing, making it easier to installation.
- Short-circuit protection, open-circuit protection, and Heat protection: To ensure the safety and reliability of The controller.

Input:

Input	
Input Voltage	220-240Vac
Input Current	1.2A Max
Frequency	50Hz
Input Power [1]	200W Max
Power Factor [2]	≥0.95 type.
Standby Power	≤0.5W
No load Power	≤1W
Start Time [3]	<1S
Turn Off Time	<1S
Leakage Current	≤0.5mA

Output:

Output	
Output Voltage	220-240Vac
Output Current	1.2A Max
Output Load	200W Max
Dimming Range	0%-100%
Noise	<20dB

Control:

Control	
Control Via	BLE Mesh Unibright Smart Control APP

Operation [4]:

Operation [4]	
Operation Temp	-10°C ~ +45°C
Storage Temp	-25°C ~ +75°C
Storage Humidity	20% ~ 85%RH

Others:

Others	
Life(hrs)@ta=25°C	50,000H
Class Rating	Isolation class 2
ON/OFF Switch Circle	100,000 Times

* 1,2 * Based on 220-240Vdc input and maximum output power
* 3 * The system record startup time after switch on with rated input voltage
* 4 * Not suitable for use in completely enclosed spaces or thermal insulation Environments
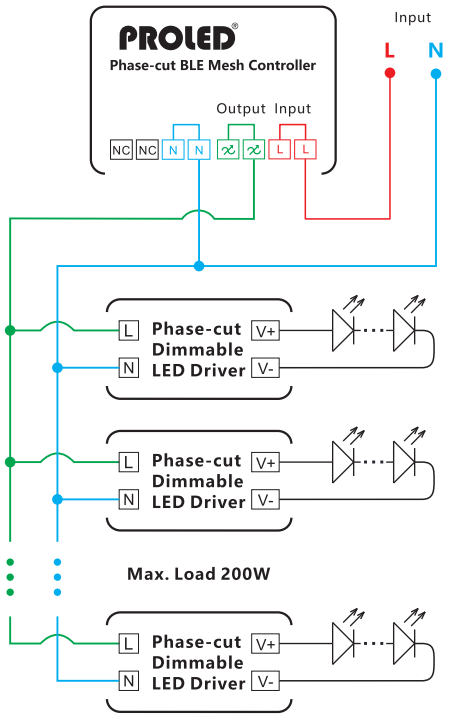
Compatible Load:

Compatible Load	
Load Type	Trailing Edge Dimming
Load	3 - 200W @220V

Reset:

Press and hold the tactile switch button inside the Reset hole indicated by the silkscreen marking on The controller until the indicator light blinks 5 times, Indicating a successful reset.

Dimensions:(Unit:mm)

⚡ Electric shock risk

1. Disconnect the input power supply before installation
2. Please make sure to work under 220~240Vac input voltage
3. Read the instructions carefully, and keep it for future use

Wiring Diagram:

Phase-cut BLE Mesh Controller

Max. Load 200W

PROLED® — RGBCW LED Strip BLE Mesh Controller
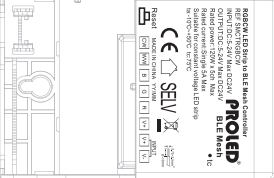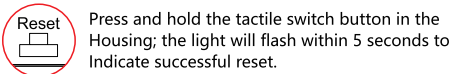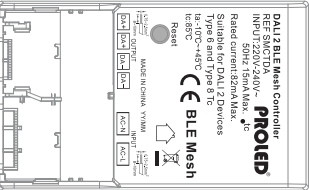
Ref:SMCTRGBCW

Features:

- Easy control: achieve Bluetooth connecting and control the lights, Max. 20 meters wirelessly through a mobile app
- Achieve wireless ON/OFF, 0-100% dimming, Tuning, Light color Adjustment
- Memory function: Switch-on with last brightness
- Max. load: up to 5A of each channels
- Independent Installation: Built-in cable clamp, suitable for any Remote installation
- Easy wiring: Push-fit terminals with through wiring, no screw fixing, Making it easier to installation
- Short-circuit protection, open-circuit protection, and heat protection To ensure the safety and reliability of the controller.

Input:

Input	
Input Voltage [1]	5-24Vdc
Input Current [2]	5A Max.* 5CH
Standby Power	≤0.5W
No Load Power	≤1W
Start Time [3]	<1S
Turn Off Time	<1S
Leakage Current	≤0.5mA

Output:

Output	
Output Channel	Max.5
Output Voltage	5-24Vdc
Output Current	5A Max. x 5CH
Dimming Range	0%-100%
Noise	<20dB

Control:

Control	
Control Via	BLE Mesh Unibright Smart Control APP

Operation [4]:

Operation [4]	
Operation Temp	-10°C ~ +45°C
Storage Temp	-25°C ~ +75°C
Storage Humidity	20% ~ 85%RH

Others:

Others	
Life(hrs)@ta=25°C	50,000H
Class Rating	Isolation class II
ON/OFF Switch Circle	100,000 Times

* 1,2 * Based on 5-24Vdc input and maximum output power
* 3 * The system record startup time after switch on with rated input voltage
* 4 * Not suitable for use in completely enclosed spaces or thermal insulation Environments

Reset:

Press and hold the tactile switch button in the Housing; the light will flash within 5 seconds to Indicate successful reset.

Cautions:

⚡ Electric shock risk

1. Disconnect the input power supply before installation
2. Please make sure to work under 5~24Vdc input voltage
3. Read the instructions carefully, and keep it for future use

Dimensions:(Unit:mm)

Wiring Diagram:
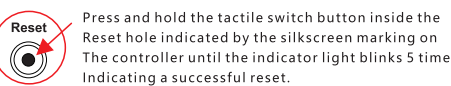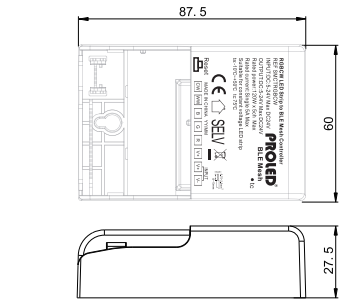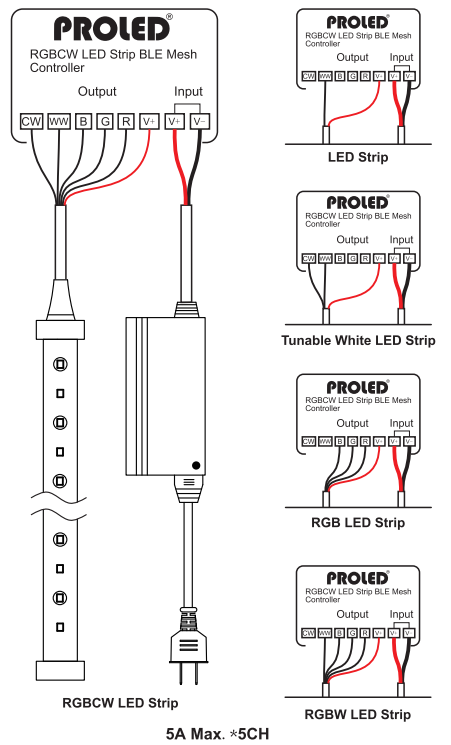

RGBCW LED Strip BLE Mesh Controller

- LED Strip
- Tunable White LED Strip
- RGB LED Strip
- RGBCW LED Strip
- RGBW LED Strip

5A Max. *5CH

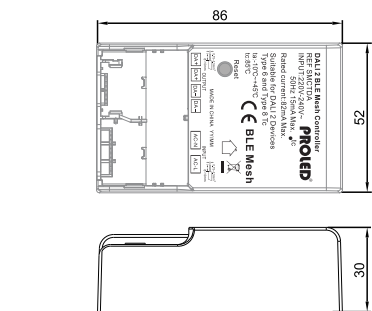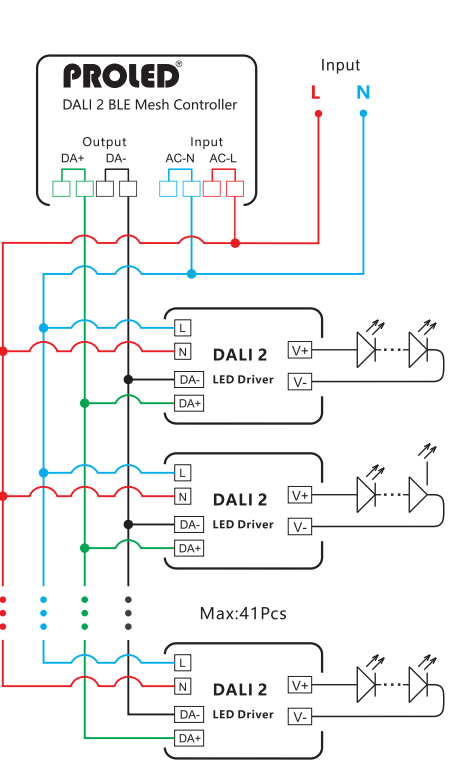## PROLED® — DALI 2 BLE Mesh Controller

Ref: SMCTDA

Features:

- Easy control: achieve Bluetooth connecting and control The lights, max. 20 meters wirelessly through a mobile app.
- Low cost: compared to DALI devices, allowing users to Achieve lighting control at a lower cost.
- Achieve wireless ON/OFF, 0-100% dimming, and color Temperature tuning(for DT8 Tc).
- Built-in DALI power supply: outputs 82mA Max. (up to 41 DALI devices).
- Memory function: Switch-on with last brightness and color Temperature
- Independent Installation: Built-in cable clamp, suitable For any remote installation.
- Easy wiring: Push-fit terminals with through wiring, no screw Fixing, making it easier to installation.
- Short-circuit protection, open-circuit protection, and heat Protection: To ensure the safety and reliability of the controller.

Input:

Input	
Input Voltage	220-240Vac
Input Current	32mA Max
Frequency	50Hz
Input Power [1]	<3W
Power Factor [2]	≥0.5 type.
Standby Power	≤0.5W
No Load Power	≤0.5W
Start Time [3]	<1S
Turn Off Time	<1S
Leakage Current	≤0.5mA

Output:

Output	
Output Voltage	9.5V-18V DC (DA+,DA-)
Output Current	82mA Max
Output Channel	1
Dimming Range	0%-100%
Noise	<20dB

Control:

Control	
Control Via	BLE Mesh Unibright Smart Control APP

Operation [4]:

Operation [4]	
Operation Temp	-10°C ~ +45°C
Storage Temp	-25°C ~ +75°C
Storage Humidity	20% ~ 85%RH

Others:

Others	
Life(hrs)@ta=25°C	50,000H
Class Rating	Isolation class II
ON/OFF Switch Circle	100,000 Times

* 1,2 * Based on 220-240Vac input and maximum output power
* 3 * The system record startup time after switch on with rated input voltage
* 4 * Not suitable for use in completely enclosed spaces or thermal insulation Environments

Reset:

Press and hold the tactile switch button inside the Reset hole indicated by the silkscreen marking on The controller until the indicator light blinks 5 times, Indicating a successful reset.

Cautions:

⚡ Electric shock risk

1. Disconnect the input power supply before installation
2. Please make sure to work under 5~24Vdc input voltage
3. Read the instructions carefully, and keep it for future use

Dimensions:(Unit:mm)

Wiring Diagram:

DALI 2 BLE Mesh Controller

Max:41Pcs

Download and Install App

Search "Unibright smart control" from App Store for iOS, or Google Play Store for Android

Languages English, French, German and Dutch

App Compatibility
iPhone: Requires iOS 13.0 or later
iPad: Requires iPadOS 13.0 or later
iPod touch: Requires iOS 13.0 or later
Mac: Requires macOS 11.0 or later and Mac with the Apple M1 chip
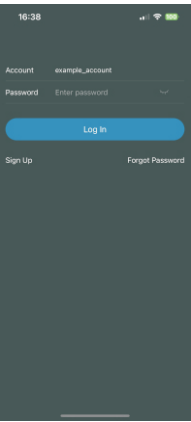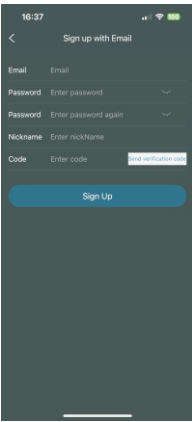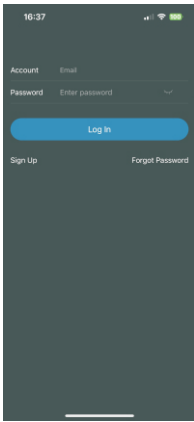Android: V4.4 or later

Download on the App Store

GET IT ON Google Play

Smart controller TRIAC	Smart controller DALI	Smart controller RGBCW

Sign Up and Login

1. Tap "Sign Up" to create your account and password
2. Follow the instruction to complete "Sign Up" and get onto "Login" page
3. Use your email and password to log in

Create a Store

Create a store before adding any devices for first-time use.
Tap "About" and choose "Store Management" to create a store.
The administrator must create the store first, then invite other members to join.
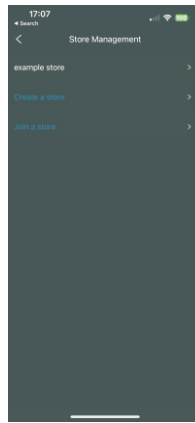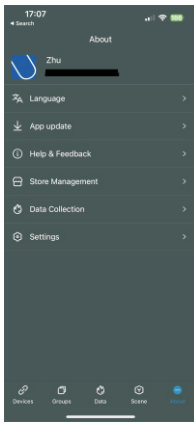
Share and Join a Store

1. For administrator, choose the store>tap "Add member">share the invitation code
2. To join a store: choose "Join a store" >Input the invitation code and confirm.
Note: except the administrator, other members do not have the right to add and set up devices and create groups.
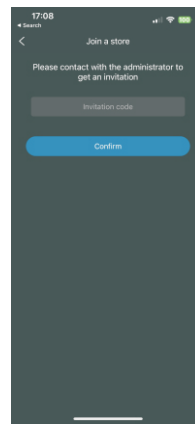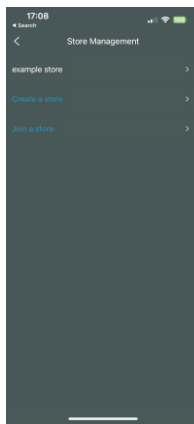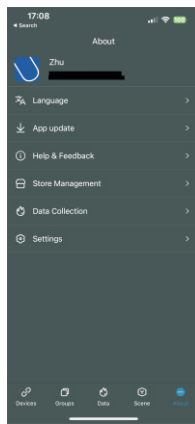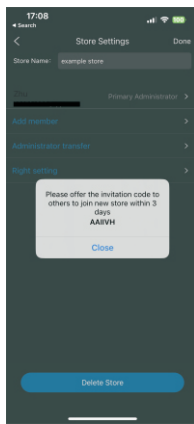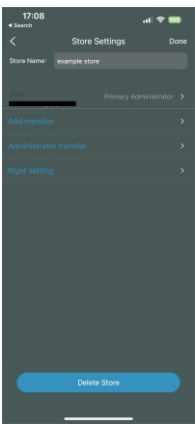

Administrator transfer

1. For administrator, choose the store>tap "Administrator transfer">choose a member
2. Tap "Confirm", and the administrator will become a common member
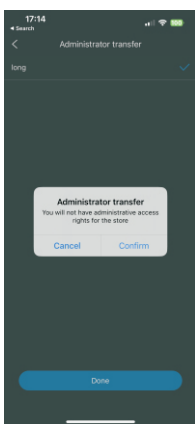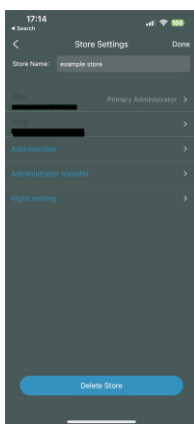
Sub-administrator

To facilitate the management of lighting in a store, user can set up store members as sub-administrator.
1. Tap a member in the Store Settings page.
2. Tap "Done" and the member will become sub-administrator.
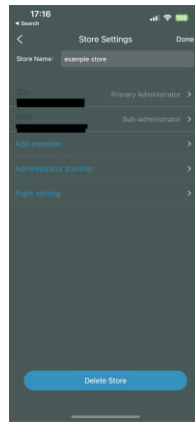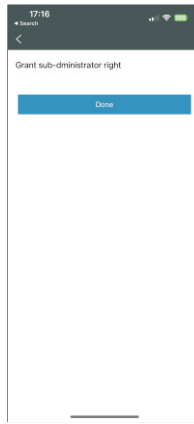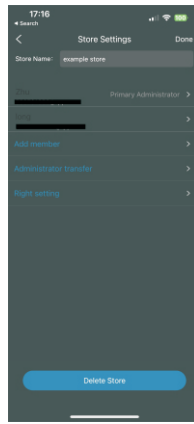
Sub-administrator gains admin right

1. Sub-administrator logs in to the account and tap "Right setting" in the Store Settings page.
2. Tap "Secure admin right" and the sub-administrator gets admin right. The administrator loses admin right.
3. The sub-administrator secure admin right, and other sub-administrators cannot obtain admin right within one hour unless the sub-administrator releases admin right.
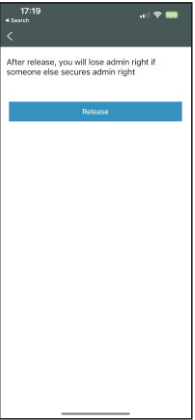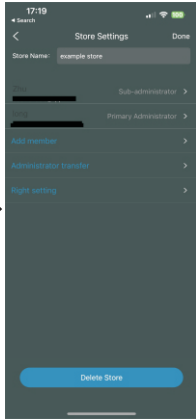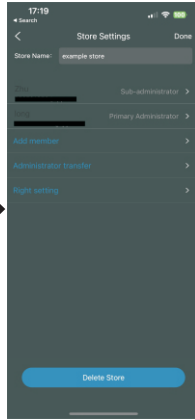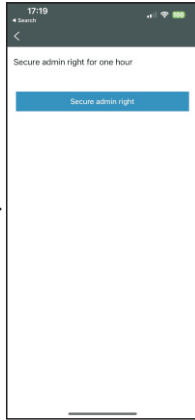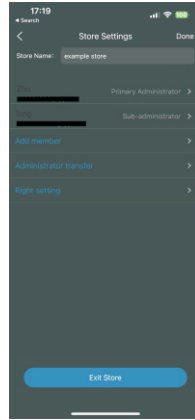

| Phase-cut BLE Mesh Controller	RGBCW LED Strip BLE Mesh Controller	DALI 2 BLE Mesh Controller

Add new devices

1. Step 1: Tap "Add new device" or "+" on the top right of the App to view all the controllers within Bluetooth reach.
2. Step 2: Choose device and Tap "Done". Then enter a name for the device.
3. Step 3: Tap "Confirm", APP will show settings page of the device.
If "Software update" pops up, please update the software first.
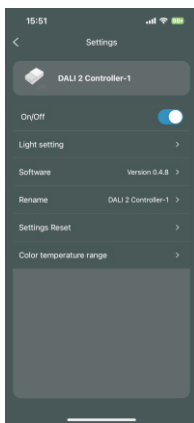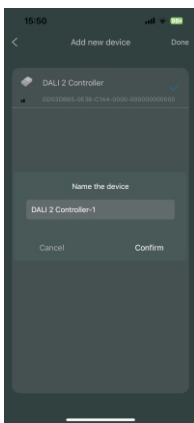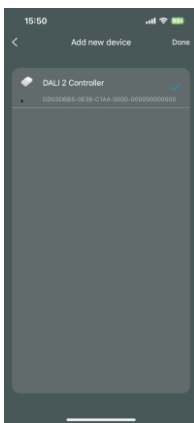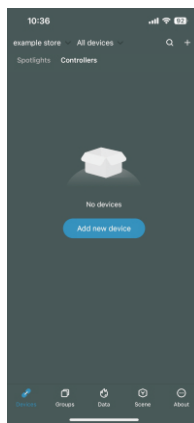
Software update

1. Tap "Update" on "Software update" popup box.
2. Tap "Upgrade" to update the software on the device to the latest version, Do not leave until the updating has been finished.
Note: Please keep Bluetooth connection between App and device during update process. If "Upgrade Failed" pops up, maybe there are another user connecting the device. Please let another user disconnect and try again.
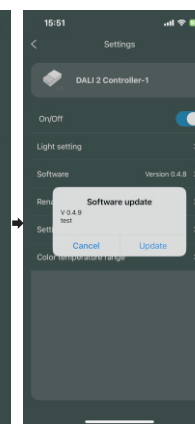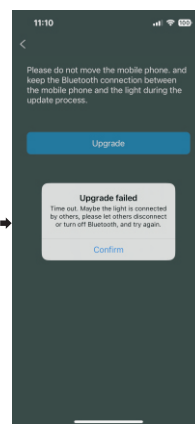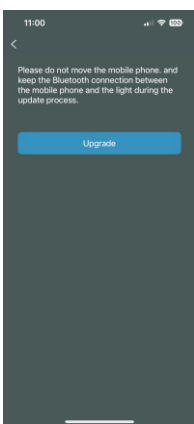
Settings page

Tap settings icon of the device on the Devices page to get onto "Settings" page.
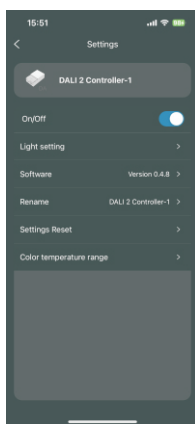
Light setting

Smart controller TRIAC
1. tap"Light setting"
2. Drag the slider to adjust brightness

Smart controller DALI
1. tap"Light setting"
2. Drag the slider to adjust color temperature and brightness

Smart controller RGBCW
1.When adding new devices,there are 5 connection type:White,Tunable White,RGB, RGBW,RGBCW.
2.Tap"Light setting"and display the corresponding page
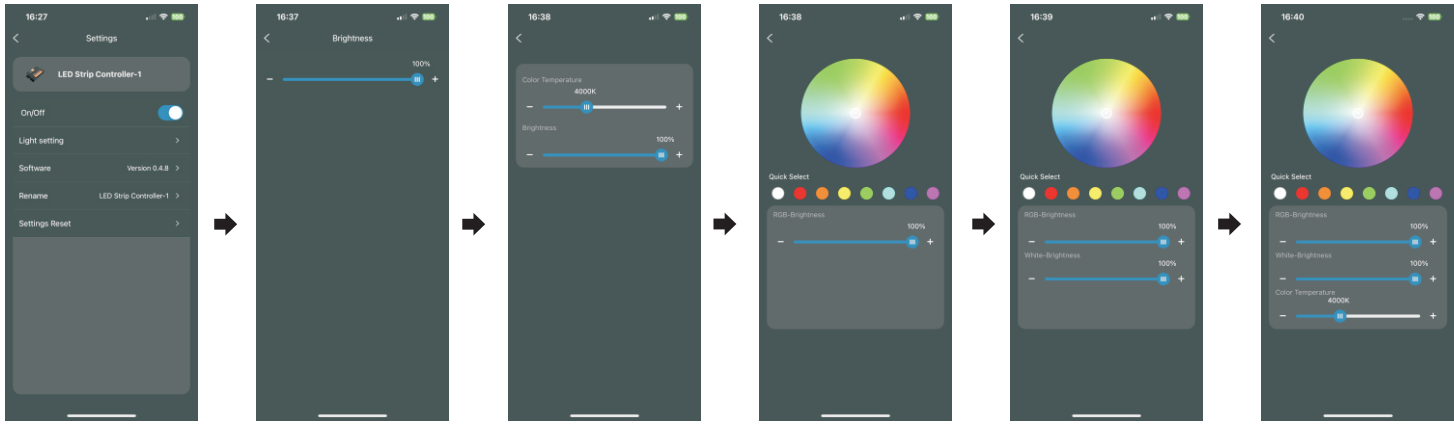
Color temperature range

Smart controller DALI
Color temperature is 2700K-6500K by default.For example,the color temperature of the device connected is 3000-5000K
1. Tap"Color temperature range".
2. Enter the Minimum and the Maximum color temperature .Or drag the slider to adjust range.
3. Tap "Confirm"to save the settings.
On Light setting page,the color temperature will change to 3000-5000K.
Smart controller RGBCW
When adding new device,select Tunable White type or RGBCW type."Color temperature range" will be displayed on setting page.
Color temperature is 2700K-6500K by default.For example,the color temperature of the device connected is 3000-5000K.
1. Tap"Color temperature range".
2. Enter the Minimum and the Maximum color temperature .Or drag the slider to adjust range.
3. Tap "Confirm"to save the settings.
4. On Light setting page,the color temperature will change to 3000-5000K.
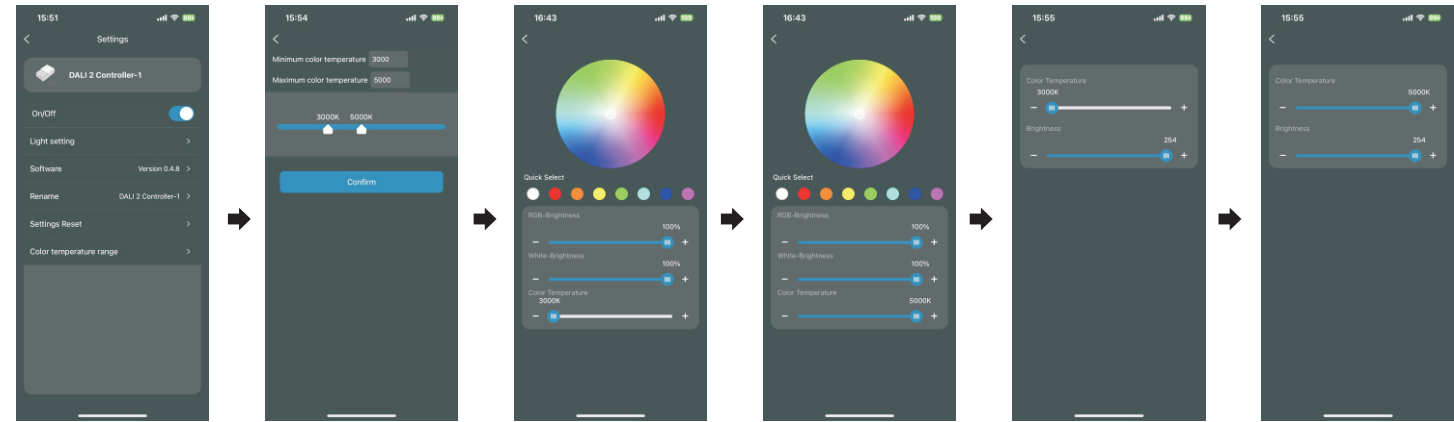

Settings Reset

1. Tap setting icon and enter the Settings page.
2. Tap "Reset Settings."
3. Tap "Reset" .The device will be removed from the app and reset to factory default settings.
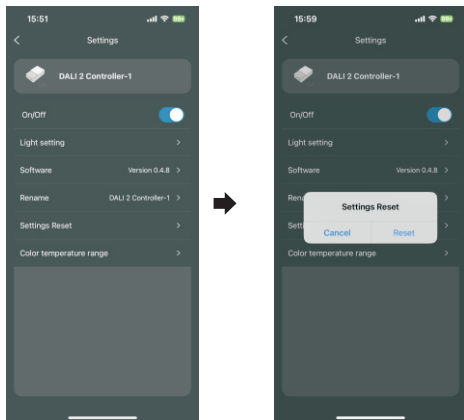
Create/Delete a Group

1. On the Groups page, tap "+"
> Input a group name and tap "confirm" to add a group.
2. If want to delete a group on the list, slide left to delete it.
3. on Devices page,users can switch different groups.
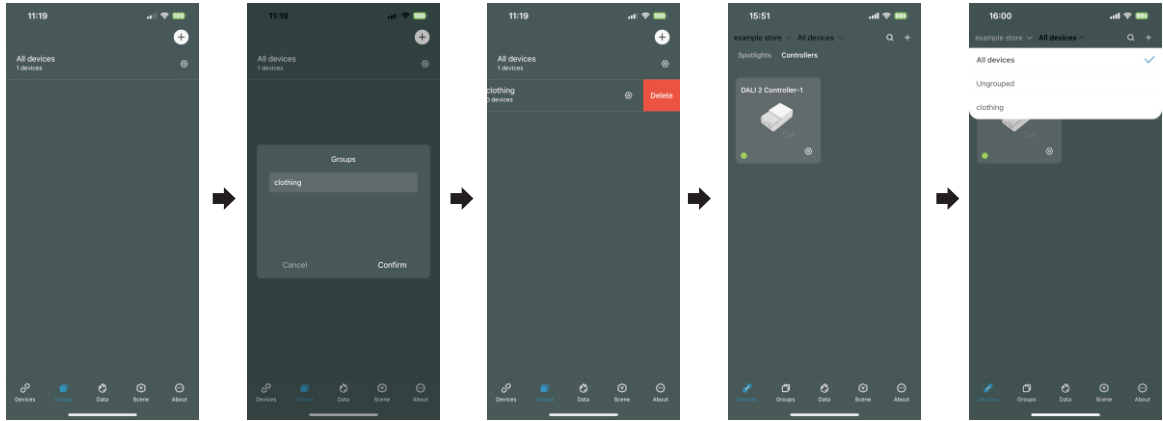
Group Setting

On the Groups page, tap the setting icon to get onto Group setting page.
Light On/Off :
Turn on or off all lights in the group by APP.
Light setting :
As the same as the single device, but this item here is for all lights in the group.
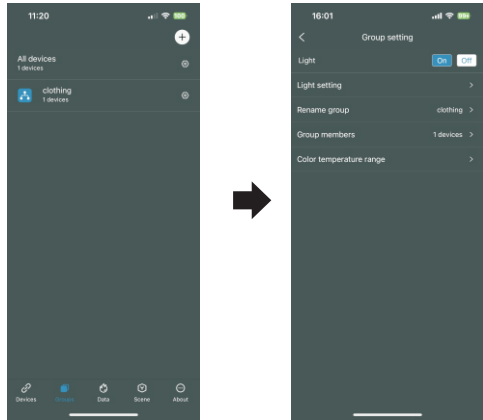Rename group:
Rename the group.
Group members :
Show how many devices in the group. Tap to show device list.
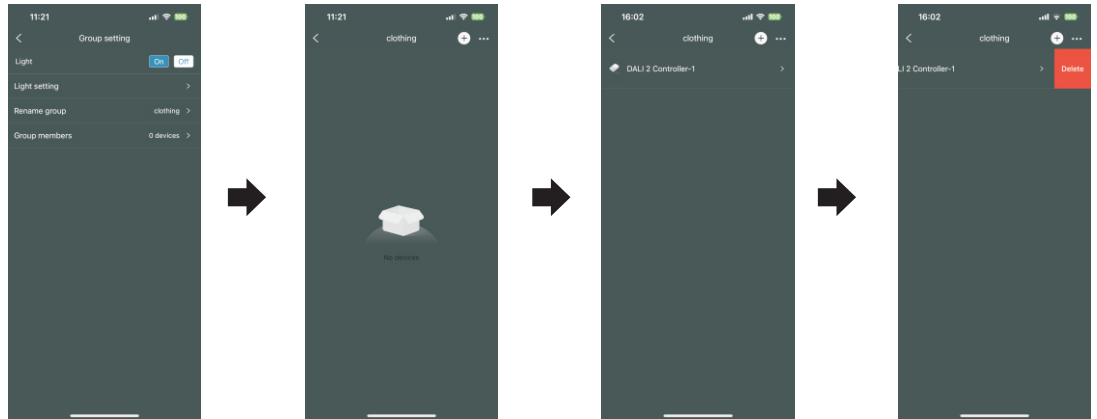Color temperature range:
Adjust the Minimum and the Maximum color temperature.
(Smart controller DALI And Smart controller RGBCW)

Group member's management

1. Tap "Group members" to get into device list.
2.Tap "+" to add new devices to the group.
3. Slide left on the device list to delete it from current group.
4. For multi operation of deleting , tap "…"on the top right corner.

All devices control

Tap "Groups" icon to get onto Groups page. There is an item "All devices" on the top. Tap setting icon onto All devices setting page.

Light On/Off : Turn on or off all lights (including grouped and ungrouped) by APP. In order to avoid turning on/off too frequently, there is a three-second wait between On and Off.

Light setting : As the same as the single device, but this item here is for all lights (including grouped and ungrouped).
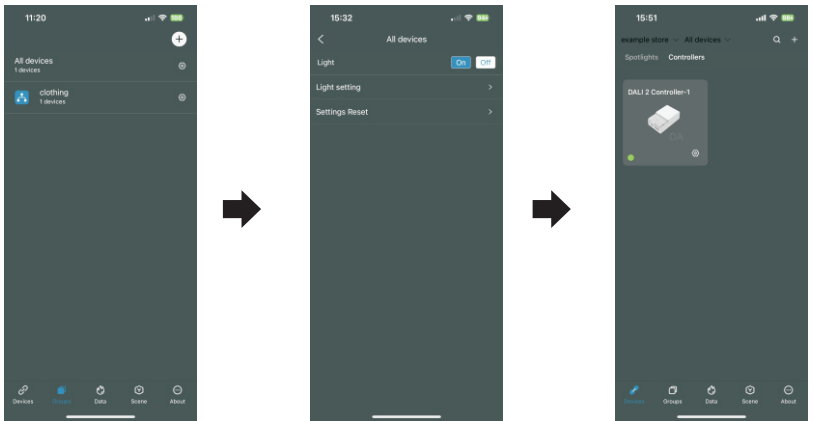
Creat a scene

1. In"Scene"page, tap "Creat a scene"or "+".
2. Enter a name for the scene.

Add devices to the scene

1. Tap "Add devices"> "devices"> tap a device.
2. Select the effect of the device: "On", "Off", or "Customization". For example ,
tap"Customization"and tune color temperature and brightness of the light.
3. User can add multiple devices or groups in one scene.
4. Tap "preview"to check the effect of the lighting.
5. Tap "Done"to save the settings.

Execute a scene

Tap the scene icon and the lighting will change to the set effect.

Scene setting

1. Tap "Scene setting" > tap a device.User can modify the effect of the lighting.
2. Slide left on the device list to delete it.
3. Tap "Done"to save the settings.

Delete a scene

Tap the scene icon and hold on,and a dialog box pops up. Tap "Delete" and delete the scene.

How to deal with disconneted device

Tap and hold on the device icon, and a dialog box pops up.
 Choose "Remove" to remove the device from APP.
Note: Please make sure if the device can be connected with APP. If yes, please remove it with "Settings reset". If you remove the device this way, the only way you can add the device back is reset it physically.

How to reset a device physically?

Please press the physical button on the device for more than 3 seconds.

Instructions

Turn power OFF

Please follow the sequence of installation step by step. Switch off the electricity before commencing installation

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Questions & Feedback? Any questions & feedback on the Smart controllers or APP. Please email info@unibright.be