Configurable RF+Bluetooth Push-button Coupler

Bluetooth® CE FC RoHS COMPLIANT

Important: Read All Instructions Prior to Installation

Function introduction

- 43.00 mm
- 49.81 mm
- K4 K3 COM K2 K1
- **RF+Bluetooth Push-button Coupler**
- 4 channels push button interface
- L N
- 100-240VAC Power Input
- 15.15 mm
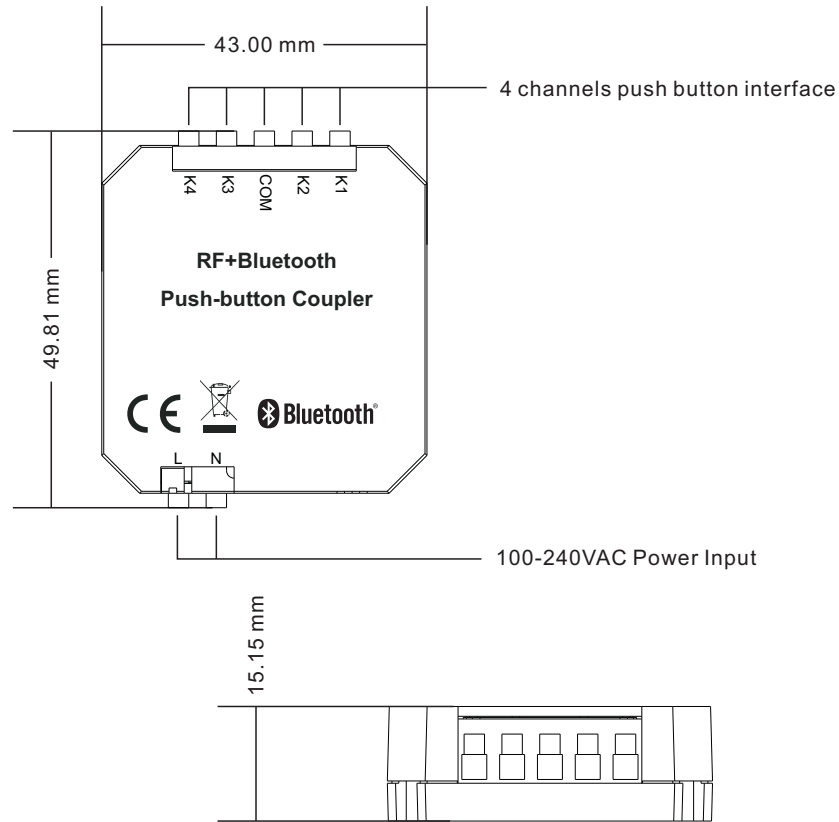
Product Description

The configurable RF+Bluetooth push-button coupler is a 4-channel push-button interface for simple wall/flush type box installation. You can continue to use existing switches, irrespective of the manufacturer. The existing switches can be easily integrated in the SR-BUS system and get numerous configurable functions. It is a wireless transmitter that communicates with SR-BUS system. The coupler adopts AC100-240V power input to power a built-in transmitter. This transmitter sends wireless radio signals that are used to remotely control compatible devices.

4 push buttons connected to the coupler are configurable through EasyThings App, it enables to control ON/OFF, brightness, color temperature, RGB colors, meanwhile it can be configured as a scene controller, a trigger of preset scenes, preset dynamic color sequences. Each RF+Bluetooth receiver can be paired to and controlled by max. 8 couplers.

Safety & Warnings

- DO NOT install the device with power applied.
- DO NOT expose the device to moisture.

Product Data

|	
Switch Type	RF+Bluetooth Push-button Coupler
Transmission Range	10-30m (typical)
Radio Frequency	2.4GHz
Power Supply	100-240VAC, 50/60Hz
Power Consumption	Less than 0.5W
Number of Push Buttons	4
Connector Type	Push-In
Wire Size	0.2 - 1.5mm2 (AWG28 - AWG14)
Dimensions	49.8x43x15.1mm
Operating Temperature	-20 ℃ ~ +45 ℃
Working Humidity	10% ~ 95% RH non-condensing
Waterproof Grade	IP20
Warranty	5 years

Wiring Diagram

Notes for the diagrams:

L - terminal for live lead input

N - terminal for neutral lead input

K1, K2, K3, K4 - terminals for push buttons

COM - common terminal for grounding to the push buttons connected to the coupler

PUSH Button 4   PUSH Button 3   PUSH Button 2   PUSH Button 1

K4 K3 COM K2 K1

RF+Bluetooth Push-button Coupler

L N

L

N
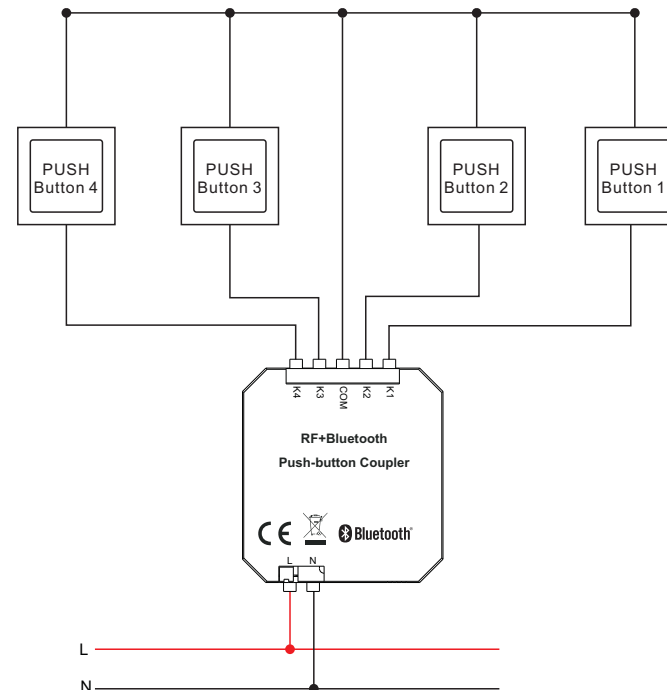
Note: 1) Number of push buttons connected can be 1, 2, 3, 4.
      2) Supported switch types: 1-gang 1 way, 2-gang 1 way, 3-gang 1 way, 4-gang 1 way.

Safety & Warnings

• DO NOT install the device with power applied.

• DO NOT expose the device to moisture.

Operations

Pair a RF+Bluetooth Receiver to the APP

Step 1: Add the RF+Bluetooth LED receiver to EasyThings APP (please refer to the instruction of EasyThings APP to learn how).

Step 2: Press and hold the added device icon to enter into control interface of the LED receiver, then tap button ✏ at upper right corner to enter into edit page of this device (As shown in **Figure 1** & **Figure 2** & **Figure 3**).
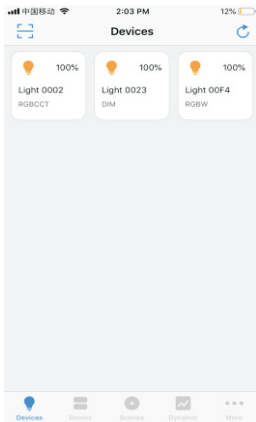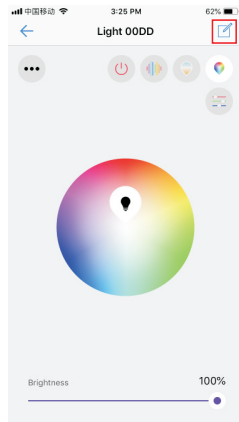

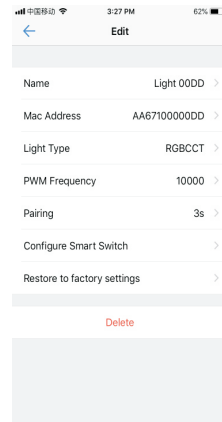| **Figure 1** | **Figure 2** | **Figure 3** |

Configure the Coupler

Step 1: Tap **"Configure Smart Switch"** (As shown in **Figure 4**) to go to configuration page. "**Link Switch**" is the 1st step to configure a coupler, tap "**Link Switch**" (As shown in **Figure 5**), then choose "**Number of Buttons**" as 4, 1/2/4 means 1-button/2-button/4-button switch respectively, "**Select Button**" is to select a button you would like to link, tick and select a button. Then tap the scan button " ⌖ " to scan the QR code or manually input the Switch ID printed at the back side of the switch. Then tap "Link" at the upper right corner, the selected button will be linked to the app. To configure all 4 buttons, you need to select and link the 4 buttons respectively (As shown in **Figure 6**). "**Unlink Switch**" enables the user to unlink a smart switch from the app by scan QR code or manually input the ID on the back of the switch, the operation is similar to "**Link**".

"**Custom Switch Action**" is to configure the function of a linked switch, tap "**Custom Switch Action**" to enter into setting page of a linked switch (As shown in **Figure 7** & **Figure 8**).
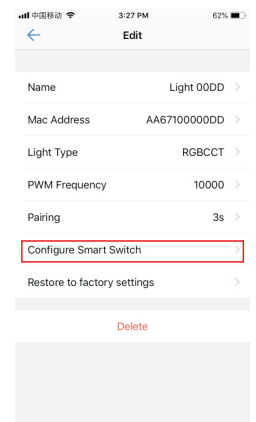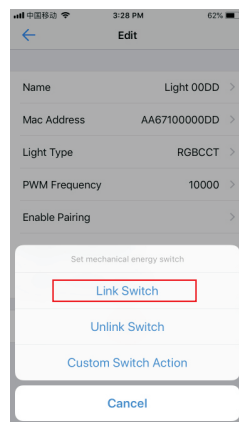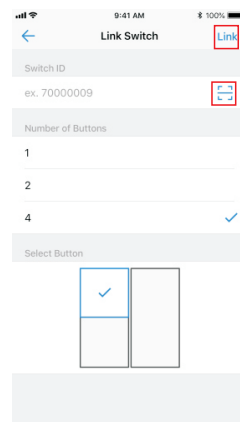

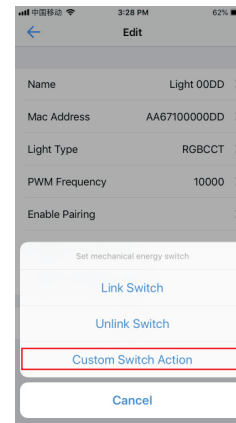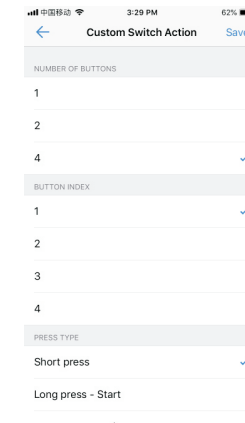| **Figure 4** | **Figure 5** | **Figure 6** |

| **Figure 7** | **Figure 8** |

Step 2: "**NUMBER OF BUTTONS**" is to choose the number of push buttons connected to the coupler (1/2/4 push buttons), choose according to the number of push buttons you connected (As shown in **Figure** 8). "**BUTTON INDEX**" is to choose a push button that you would like to configure (As shown in **Figure 8**). "**PRESS TYPE**" is to choose an operation of the button for example "**Short press**" (As shown in **Figure 8**). After choosing an operation, the available functions can be triggered by the operation will be listed, tap to choose a function that you would like to assign to the operation (As shown in **Figure 9** & **Figure 10**).

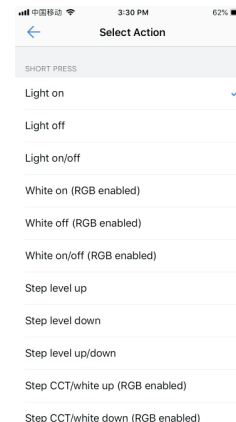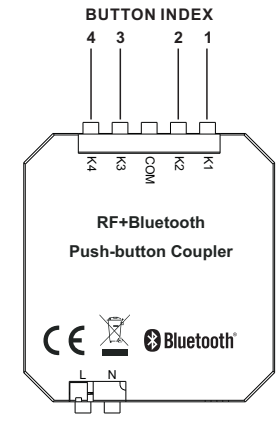| **Figure 9** | **Figure 10** | **Figure 11** |

For the configuration of **"Long press"** operation of a button, 2 steps should executed, **step 1** is to configure "**Long press start**" which means the button is pressed without releasing, **step 2** is to configure "**Long press end**" which means the button is released.

Meanings of the available configurable actions for **"Long press start"** are as follows (As shown in **Figure 12, Figure 13**):

Move level up: dim up brightness.
Move level down: dim down brightness.
Move level up/down: first operation to dim up brightness, second operation to dim down brightness.
Move CCT/white up (RGB enabled): for RGBCCT or RGBW devices, increase WW and decrease CW, or increase W channel, RGB channels are enabled.
Move CCT/white down (RGB enabled): for RGBCCT or RGBW devices, increase CW and decrease WW, or decrease W channel, RGB channels are enabled.
Move CCT/white up/down (RGB enabled): for RGBCCT devices, first operation to increase WW and decrease CW, second operation to decrease WW and increase CW, for RGBW devices, first operation to increase W channel, second operation to decrease W channel, RGB channels are enabled.

Move CCT/white up (RGB disabled): for RGBCCT or RGBW devices, increase WW and decrease CW, or increase W channel, RGB channels are disabled.

Move CCT/white down (RGB disabled): for RGBCCT or RGBW devices, increase CW and decrease WW, or decrease W channel, RGB channels are disabled.

Move CCT/white up/down (RGB disabled): for RGBCCT devices, first operation to increase WW and decrease CW, second operation to decrease WW and increase CW, for RGBW devices, first operation to increase W channel, second operation to decrease W channel, RGB channels are disabled.

Move RGB mix fade up (CCT/White enabled): for RGBCCT or RGBW devices, RGB colors mix fade up, CCT channels or white channel are enabled.

Move RGB mix fade down (CCT/White enabled): for RGBCCT or RGBW devices, RGB colors mix fade down, CCT channels or white channel are enabled.

Move RGB mix fade up/down (CCT/White enabled): for RGBCCT or RGBW devices, first operation means RGB colors mix fade up, second operation means RGB colors mix fade down, CCT channels or white channel are enabled.

Move RGB mix fade up (CCT/White disabled): for RGBCCT or RGBW devices, RGB colors mix fade up, CCT channels or white channel are disabled.

Move RGB mix fade down (CCT/White disabled): for RGBCCT or RGBW devices, RGB colors mix fade down, CCT channels or white channel are disabled.

Move RGB mix fade up/down (CCT/White disabled): for RGBCCT or RGBW devices, first operation means RGB colors mix fade up, second operation means RGB colors mix fade down, CCT channels or white channel are disabled.

Move speed up: speed up the RGB color running effects.

Move speed down: speed down the RGB color running effects.

Save scene 1/2/3/4: save current status as a scene.

Recall scene 1/2/3/4: recall the saved scene.

Meanings of the available configurable actions for **"Long press end"** are as follows (As shown in **Figure 14**):

Move level stop: stop dim up/down the brightness when button released.

Move CCT/white stop (RGB enabled): for RGBCCT or RGBW devices, stop adjusting color temperature or white channel when button released, RGB channels are enabled.

Move CCT/white stop (RGB disabled): for RGBCCT or RGBW devices, stop adjusting color temperature or white channel when button released, RGB channels are disabled.

Move RGB mix fade stop (CCT/White enabled): for RGBCCT or RGBW devices, stop RGB colors mix fade when button released, CCT channels or white channel are enabled.

Move RGB mix fade stop (CCT/White disabled): for RGBCCT or RGBW devices, stop RGB colors mix fade when button released, CCT channels or white channel are disabled.

Move speed up/down stop: stop speeding up/down the RGB color running effects when button released.
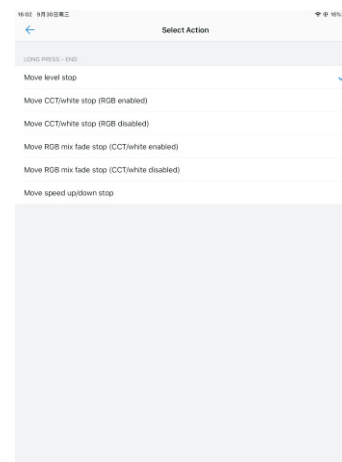

Figure 12

Figure 13

Figure 14

Step 3: Configure the 4 push buttons one by one, the corresponding push buttons of button index is as shown in **Figure 11**, push button connected to K1 is button 1, push button connected to K2 is button 2, push button connected to K3 is button 3, push button connected to K4 is button 4.

Step 4: Once configured successfully, the coupler can control the paired LED receiver with the configured functions. Each receiver can be paired to max. 8 couplers.
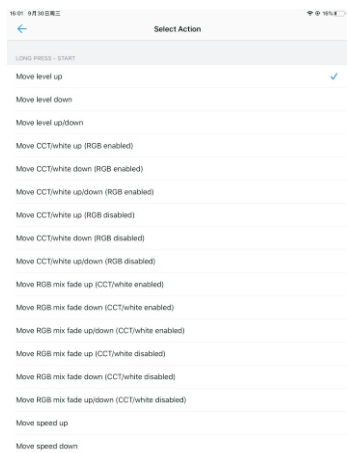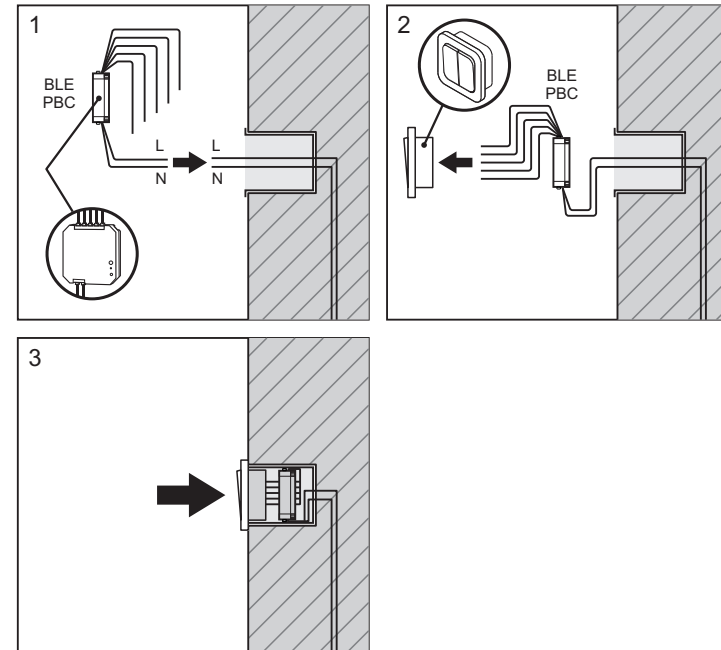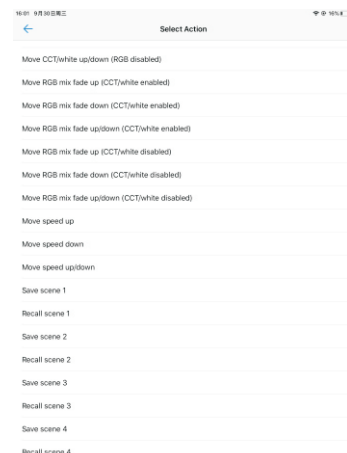
Installation