Configurable 2.4G Mesh Push-button Coupler

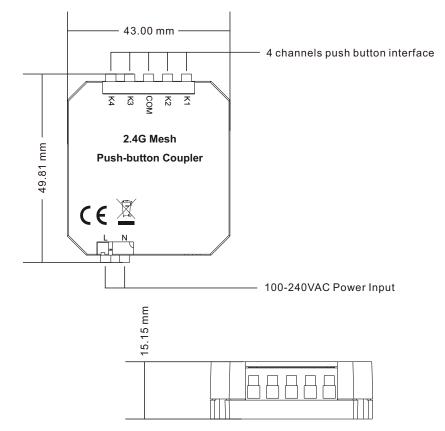
09.SB2833PACFOS.04837

Product Data

CE FC PROHS

Important: Read All Instructions Prior to Installation

Function introduction



Product Description

The configurable 2.4G mesh 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 2.4G mesh system and get numerous configurable functions. It is a wireless transmitter that communicates with 2.4G mesh 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.

Switch Type	2.4G Mesh 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 °C ~ +45 °C
Working Humidity	10% ~ 95% RH non-condensing
Waterproof Grade	IP20
Warranty	5 years

Wiring Diagram

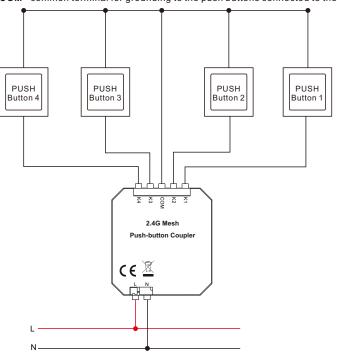
Notes for the diagrams:

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



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.

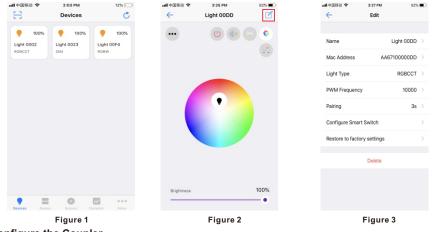
· DO NOT expose the device to moisture.

Operations

Pair a 2.4G Mesh Receiver to the APP

Step 1: Add the 2.4G Mesh 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 Z at upper right corner to enter into edit page of this device (As shown in 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).

F	igure 4		Fi	gure 5			Figure
				Cancel			
			Custom	Switch Action			
	Delete		Un	ink Switch			
Restore to factor	y settings	>	Li	nk Switch			~
Configure Smart	Switch	>	Set mech	anical energy switch		Select Butto	n
Pairing	:	is >	Enable Pairing		>	4	
PWM Frequency	1000	0 >	PWM Frequency	10000	>	2	
Light Type	RGBCC	с т.	Light Type	RGBCCT	>	1	
Mac Address	AA671000000	D >	Mac Address	AA67100000DD	>	Number of E	uttons
Name	Light 00D	D >	Name	Light 00DD		ex. 700000	009
						Switch ID	
÷	Edit		~	Edit		~	Link Swite
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1	Edit		← c	ustom Switch Action	
			NUMBER OF BUT	TTONS	
ne	Light 00DD	>	1		
c Address	AA67100000DD	>	2		
nt Type	RGBCCT	>	4		
M Frequency	10000	>	BUTTON INDEX		
ble Pairing		>	1		
Set mechanic	cal energy switch		2		
Link	Switch		3		
L In East	k Switch		4		
Uniin	K Switch		PRESS TYPE		
Custom S	witch Action		Short press		
Ca	ancel		Long press -	Start	

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).

иl 中国移动 🗢 3:30 РМ ← Select Action	62%	・*** 中国移动 ◆ 3:32 PM 61% ■) ← Select Action	BUTTON INDEX 4 3 2 1
SHORT PRESS		Step CCT/white down (RGB enabled)	
Light on	~	Step CCT/white up/down (RGB enabled)	
Light off		Step CCT/white up (RGB disabled)	
Light on/off		Step CCT/white down (RGB disabled)	
White on (RGB enabled)		Step CCT/white up/down (RGB disabled)	2
White off (RGB enabled)		Save scene 1	2.4G Mesh
White on/off (RGB enabled)		Recall scene 1	Push-button Coupler
Step level up		Save scene 2	
Step level down		Recall scene 2	C E 🗵
Step level up/down		Save scene 3	
Step CCT/white up (RGB enabled)		Recall scene 3	
Step CCT/white down (RGB enable Figure 9	ed)	Save scene 4 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.

Link

8

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.

16:01 9月30日周三		♥ ⊕ 16%#
÷	Select Action	
LONG PRESS - START		
Move level up		~
Move level down		
Move level up/down		
Move CCT/white up (RGB enalt	oled)	
Move CCT/white down (RGB er	nabled)	
Move CCT/white up/down (RGI	B enabled)	
Move CCT/white up (RGB disal	bled)	
Move CCT/white down (RGB di	isabled)	
Move CCT/white up/down (RGI	B disabled)	
Move RGB mix fade up (CCT/w	hite enabled)	
Move RGB mix fade down (CC	T/white enabled)	
Move RGB mix fade up/down (CCT/white enabled)	
Move RGB mix fade up (CCT/w	hite disabled)	
Move RGB mix fade down (CC	T/white disabled)	
Move RGB mix fade up/down (CCT/white disabled)	
Move speed up		
Move speed down		

Figure 13

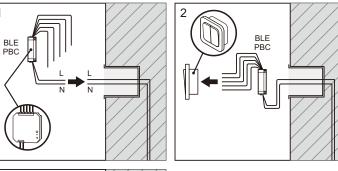
02 9/130 ⊞#Ξ	Select Action	♥ 0 %%I⊃
LONG PRESS - END		
Move level stop		~
Move CCT/white stop	(RGB enabled)	
Move CCT/white stop	(RGB disabled)	
Move RGB mix fade st	op (CCT/white enabled)	
Move RGB mix fade st	op (CCT/white disabled)	
Move speed up/down	stop	
	Figure 14	

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

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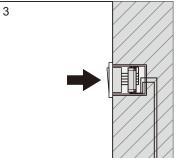


Figure 12