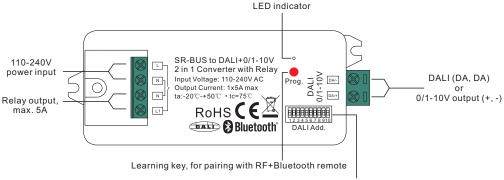
RF+Bluetooth to DALI+0/1-10V 2 in 1 Converter

09.2421SB.04791



Important: Read All Instructions Prior to Installation

Function introduction



Dip switches to select DALI or 0/1-10V output, DALI DT6 or DT8 color type, DALI address or group control mode, DALI address to be controlled, DALI group to be controlled

Product Data

Input		Output, DALI		Output, 0/1-10V	Output, relay		Environment		Others
Power	Signal	DALI PS current	DALI current consumption	Current	Switching voltage		Operating temperature	Relative humidity	Dimensions
110-240VAC	Bluetooth+RF 2.4GHz	Max. 50mA	Max. 4mA	Max. 20mA	110-240VAC	Max. 5A	-20℃-+50℃	8% to 80%	80x36x20.5mr

- Bluetooth+RF to DALI+0/1-10V 2 in 1 converter, bluetooth mesh network
- Bluetooth+RF signal input, DALI signal output to DALI line or 0/1-10V signal output, 110-240VAC power input
- · With max. 5A relay output and metering function
- Controlled through both RF remote and smart App, no gateway required
- Easy & quick pairing to the smart App by scanning QR code
- Mesh network, much longer control distance, transmits received signal to neighbor devices
- DALI signal or 1-10V signal output selectable by DIP switch
- Built-in DALI bus power supply, no extra DALI bus PS required
- · With max. 50mA DALI bus power current output
- To supply control current to up to 25 DALI control gears
- DALI DT6 or DT8 device type selectable by DIP switch under DALI mode
- Color control according to DALI specifications of Device Type 8,
- · Color type: Tc, XY coordinates, RGBW selectable by DIP switches
- DALI address control mode or group control mode selectable by DIP switch
- Enables to select the DALI address (00-63) to be controlled by DIP switches

- Enables to select the DALI group (0-15) to be controlled by DIP switches
- Enable to control 1 DALI Group of devices or 1 DALI Address on DALI line
- · Enable to control all devices on DALI line via broadcast
- · Waterproof grade: IP20

Safety & Warnings

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

Operation

1) Select DALI or 0/1-10V Output Using Dial Switch 10



Note: please first select output signal by the dial switch.

2) Select DALI Device Type (DT6/DT8 Color Type) to be Controlled Using Dial Switches 8-9



Note: once DALI output is selected, please then select the DALI device type you would like to control by the dial switches.

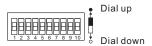
3) Select DALI Address or Group Control Mode Using Dial Switch 7



Note: once DALI device type is selected, please then select address control mode or group control mode by dial switch.

4) Select the DALI Group to be Controlled Using Dial Switches 2-6

Note: here device type is selected as DIM as an example, please select your correct DALI device type.



Controlled group	1 2 3 4 5 6 7 8 9 10	Controlled group	1 2 3 4 5 6 7 8 9 10
0	••••••	9	•••••••
1	••••••	10	••••••
2	•••••••	11	$\bullet \bullet \circ \bullet \circ \circ \circ \circ \bullet$
3	•••••	12	••••••
4	••••••	13	$\bullet \bullet \circ \circ \bullet \circ \circ \circ \circ \bullet$
5	•••••••	14	••000••00•
6	•••00••00•	15	••0000•00•
7	•••000•00•	Broadcast	
8	••••••		

Note: 1) once DALI device type and group control mode are selected, please then select the DALI group (0-15 selectable) to be controlled on DALI line by dial switches.

- 2) The control gears that are assigned to the selected DALI group on DALI line will be controlled.
- 3) The control gears shall be first grouped by a DALI master controller, please refer to the user manual of corresponding master controller.

5) Select the DALI Address to be Controlled Using Dial Switches 1-6 Note: here device type is selected as DIM as an example, please select your correct DALI device type.

Dial up

1 2 3 4 5 6 7 8 9 10

Dial down

Controlled address	1 2 3 4 5 6 7 8 9 10	Controlled address	1 2 3 4 5 6 7 8 9 10
00	••••••	32	$\circ \bullet \bullet \bullet \bullet \circ \circ \circ \bullet$
01		33	0 • • • • 0 0 0 0 •
02		34	
03	•••••	35	0 • • • 0 0 0 0 0 •
04		36	00000000
05 06		37	
06		38 39	
08		40	
09		41	
10		42	
11		43	0.0000000
12		44	0.000.000
13	$\bullet \bullet \circ \circ \circ \circ \circ \circ \circ \bullet$	45	000000000
14	$\bullet \bullet \circ \circ \circ \circ \circ \circ \circ \circ \circ$	46	$0 \bullet 0 0 0 \bullet 0 0 0 \bullet$
15	$\bullet \bullet \circ \circ \circ \circ \circ \circ \circ \bullet$	47	$0 \bullet 0 0 0 0 0 0 0 \bullet$
16		48	$00 \bullet \bullet \bullet \bullet 000 \bullet$
17		49	$00 \bullet \bullet \bullet 0000 \bullet$
18		50	
19	•0••00000	51	00000000
20		52	00000000
21 22		53	00000000
23	•0•000000	54 55	000000000
24		56	
25		57	
26		58	
27	•00•00000	59	000000000
28	\bullet 000 \bullet \bullet 000 \bullet	60	0000000000
29	\bullet 000 \bullet 0000 \bullet	61	0000000000
30	\bullet 0000 \bullet 000 \bullet	62	000000000
31	●0000000●	63	00000000
Note: 1) once DALL de	evice type and address contr	ol mode are selected in	lease then select the DALLad

Note: 1) once DALI device type and address control mode are selected, please then select the DALI address (00-63 selectable) to be controlled on DALI line by dial switches.

2) The control gear with the selected DALI address on DALI line will be controlled.

6) Do wiring after above all settings are completed according to wiring diagram.

7) Pair/delete the pairing with RF+Bluetooth remote

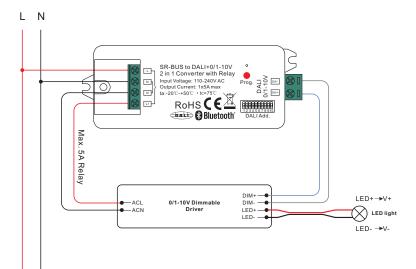
- 1. Do wiring according to connection diagram.
- 2. Pair the converter with RF+Bluetooth remote: please refer to the instruction of the remote that you would like to pair with.
- 3. Delete the pairing:
- (1) Wire up the converter correctly, power on.
- (2) Press and hold down the "**Prog.**" button on the controller for over 3 seconds until the connected light flashes, which means well deleted.

8) Pair with smart APP

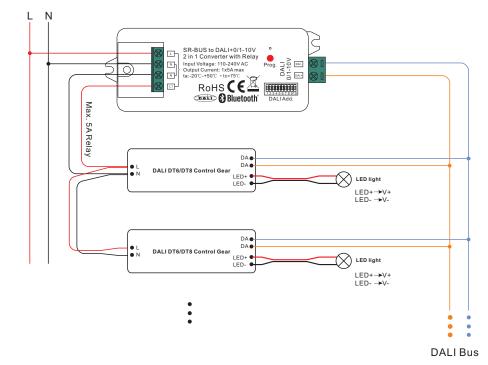
- 1. Do wiring according to connection diagram.
- 2. Please refer to the **EasyThings** App user manual for details of adding device.

Wiring Diagram

When 0/1-10V Output Selected



When DALI Output Selected



Note: 1) Max. 50mA DALI bus PS output to supply control current to up to 25 control gears.

2) The max. load of the relay is 5A, and the number of control gear can be switched by the relay depends on the load of each control gear.