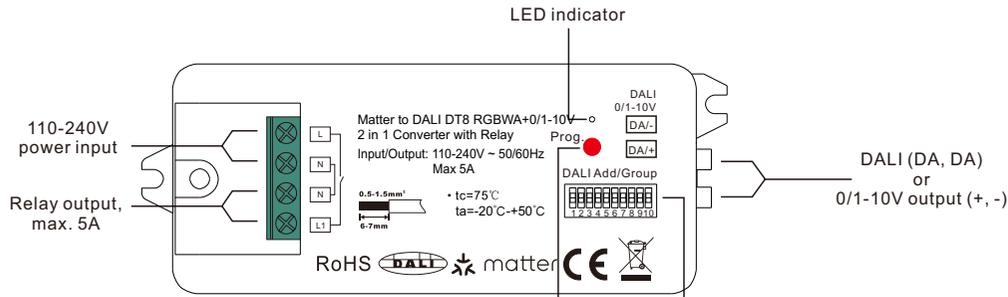


# Matter to DALI DT8 RGBWA+0/1-10V 2 in 1 Converter



**Important:** Read All Instructions Prior to Installation

## Function introduction



Program key: short press 5 times to set the device into pairing mode

Dip switches to select DALI or 0/1-10V output, 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	Max. Current	Operating temperature	Relative humidity	Dimensions
110-240VAC	Matter	Max. 50mA	Max. 4mA	Max. 20mA	110-240VAC	Incandescent: 5A LED: 1.6A	-20°C~+50°C	8% to 80%	95x37x20mm

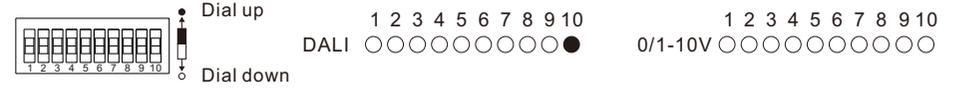
- Matter to DALI DT8 RGBWA+0/1-10V 2 in 1 converter based on zigbee 3.0
- Matter signal input, DALI signal output to DALI line or 0/1-10V signal output, 110-240VAC power input
- With relay output, max. 5A for traditional incandescent & HV halogen lamps, max 1.6A for LED load
- Compatible with universal Matter over thread platform
- 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
- Color control according to DALI specifications of Device Type 8,
- 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.

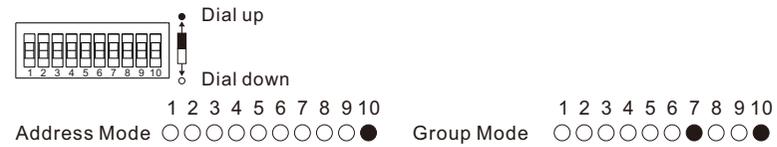
## Operation

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



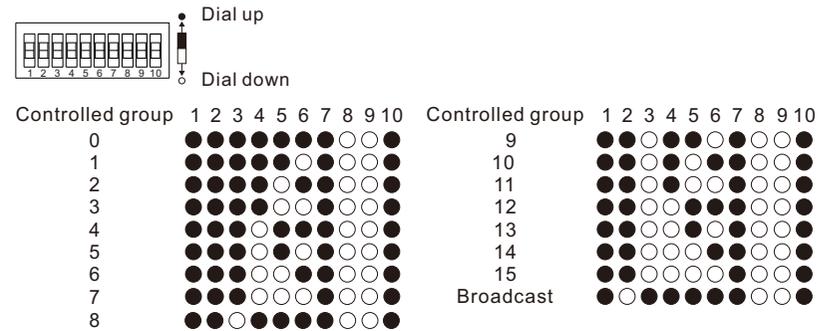
**Note:** please first select output signal by the dial switch.

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



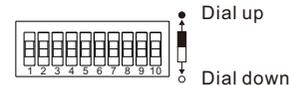
**Note:** once DALI output is selected, please then select address control mode or group control mode by dial switch.

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



- Note:**
- 1) once DALI 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.

### 4) Select the DALI Address to be Controlled Using Dial Switches 1-6



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	○	○	○	○	○	○	○	○	○	○
01	●	●	●	●	○	○	○	○	○	○	33	○	○	○	○	○	○	○	○	○	○
02	●	●	○	○	○	○	○	○	○	○	34	○	○	○	○	○	○	○	○	○	○
03	●	●	○	○	○	○	○	○	○	○	35	○	○	○	○	○	○	○	○	○	○
04	●	●	○	○	○	○	○	○	○	○	36	○	○	○	○	○	○	○	○	○	○
05	●	○	○	○	○	○	○	○	○	○	37	○	○	○	○	○	○	○	○	○	○
06	●	○	○	○	○	○	○	○	○	○	38	○	○	○	○	○	○	○	○	○	○
07	●	○	○	○	○	○	○	○	○	○	39	○	○	○	○	○	○	○	○	○	○
08	●	○	○	○	○	○	○	○	○	○	40	○	○	○	○	○	○	○	○	○	○
09	●	○	○	○	○	○	○	○	○	○	41	○	○	○	○	○	○	○	○	○	○
10	●	○	○	○	○	○	○	○	○	○	42	○	○	○	○	○	○	○	○	○	○
11	●	○	○	○	○	○	○	○	○	○	43	○	○	○	○	○	○	○	○	○	○
12	●	○	○	○	○	○	○	○	○	○	44	○	○	○	○	○	○	○	○	○	○
13	●	○	○	○	○	○	○	○	○	○	45	○	○	○	○	○	○	○	○	○	○
14	●	○	○	○	○	○	○	○	○	○	46	○	○	○	○	○	○	○	○	○	○
15	●	○	○	○	○	○	○	○	○	○	47	○	○	○	○	○	○	○	○	○	○
16	●	○	○	○	○	○	○	○	○	○	48	○	○	○	○	○	○	○	○	○	○
17	●	○	○	○	○	○	○	○	○	○	49	○	○	○	○	○	○	○	○	○	○
18	●	○	○	○	○	○	○	○	○	○	50	○	○	○	○	○	○	○	○	○	○
19	●	○	○	○	○	○	○	○	○	○	51	○	○	○	○	○	○	○	○	○	○
20	●	○	○	○	○	○	○	○	○	○	52	○	○	○	○	○	○	○	○	○	○
21	●	○	○	○	○	○	○	○	○	○	53	○	○	○	○	○	○	○	○	○	○
22	●	○	○	○	○	○	○	○	○	○	54	○	○	○	○	○	○	○	○	○	○
23	●	○	○	○	○	○	○	○	○	○	55	○	○	○	○	○	○	○	○	○	○
24	●	○	○	○	○	○	○	○	○	○	56	○	○	○	○	○	○	○	○	○	○
25	●	○	○	○	○	○	○	○	○	○	57	○	○	○	○	○	○	○	○	○	○
26	●	○	○	○	○	○	○	○	○	○	58	○	○	○	○	○	○	○	○	○	○
27	●	○	○	○	○	○	○	○	○	○	59	○	○	○	○	○	○	○	○	○	○
28	●	○	○	○	○	○	○	○	○	○	60	○	○	○	○	○	○	○	○	○	○
29	●	○	○	○	○	○	○	○	○	○	61	○	○	○	○	○	○	○	○	○	○
30	●	○	○	○	○	○	○	○	○	○	62	○	○	○	○	○	○	○	○	○	○
31	●	○	○	○	○	○	○	○	○	○	63	○	○	○	○	○	○	○	○	○	○

- Note:** 1) Once DALI address control mode is 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.

**Operation**

1. Do wiring according to connection diagram correctly.
2. This Matter thread device is a wireless receiver that communicates with a variety of Matter compatible systems. This receiver receives and is controlled by wireless radio signals from the compatible Matter system.
3. Add to a Matter border router and control through the Matter platform:

**Note:** an Apple HomePod mini is used as a Matter border router for adding and controlling the device. For other Matter border routers, please refer to their user manuals to learn how to add and control Matter devices.

**Step 1:** Prepare an iPhone (iOS 16.2 or later) or iPad (iPadOS 16.2 or later) with the latest version firmware, and prepare an Apple HomePod mini with the latest version firmware.

**Step 2:** Connect the iPhone or iPad to your home WLAN network. Run the Apple Home app and set up the HomePod mini as instructed by Apple (as shown in **Figure 1** to **Figure 7**).

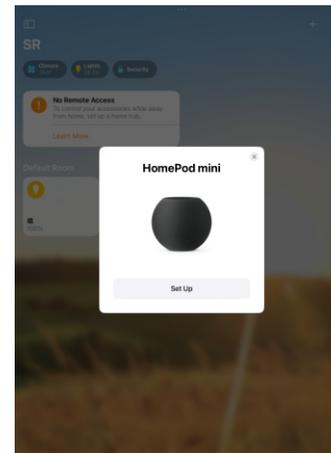


Figure 1

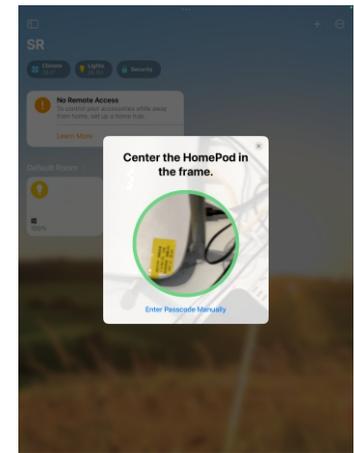


Figure 2

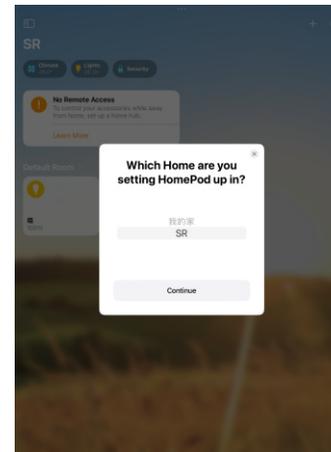


Figure 3

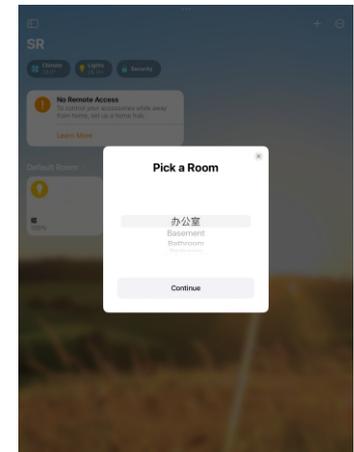


Figure 4

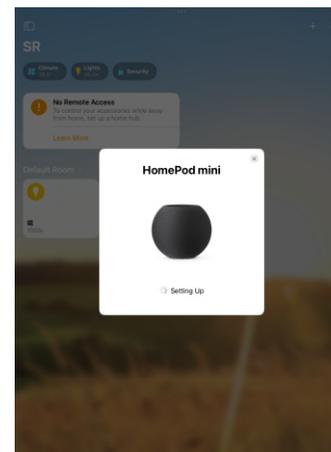


Figure 5

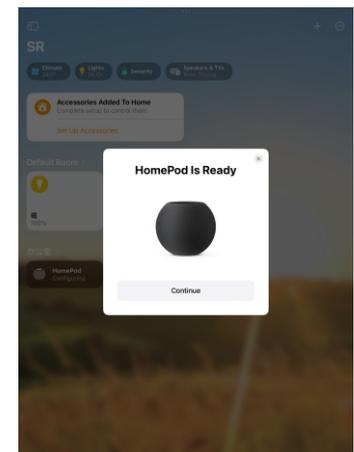


Figure 6

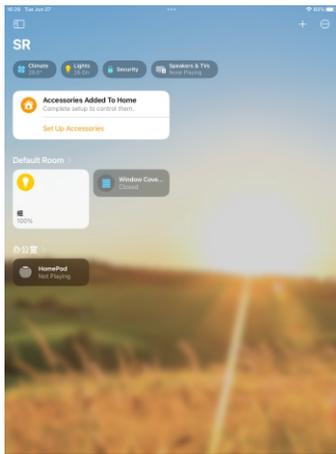


Figure 7

**Step 3:** Do wiring of the Matter converter according to the wiring diagram and power on it.

**Step 4:** Short press the Prog. button 5 times to set the converter into pairing mode.

**Step 5:** Add the Matter converter to the Apple Home app by scanning the QR code sticker on the converter as shown in Figure 8 to Figure 15.

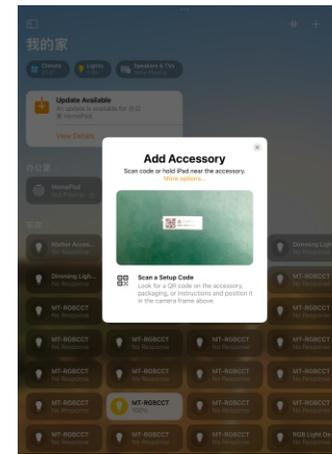


Figure 10

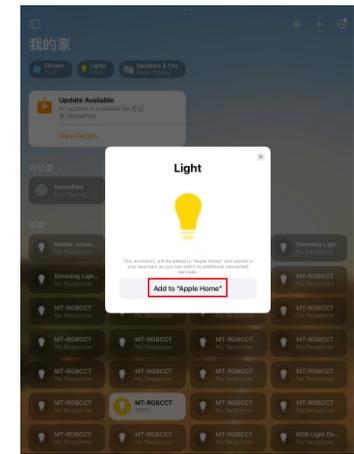


Figure 11

**Note:** before scanning the QR code sticker on the converter as shown in Figure 10, short press the Prog. button 5 times to set the Matter converter into pairing mode so that it can be discovered by the Apple Home app. Otherwise it can not be discovered by the Apple Home App.

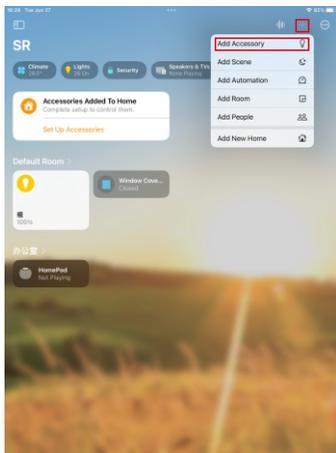


Figure 8

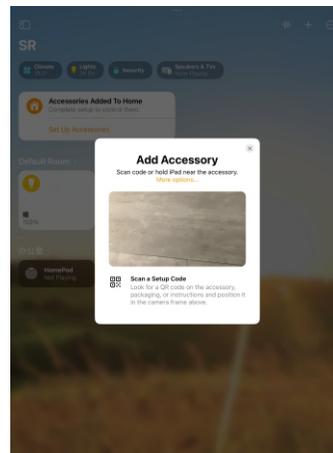


Figure 9

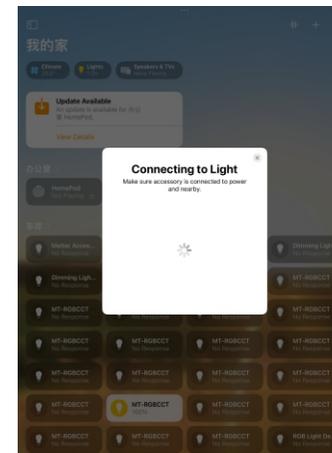


Figure 12

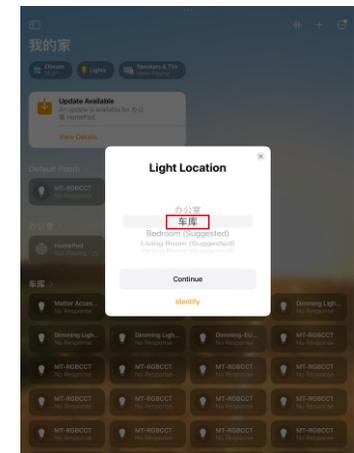


Figure 13

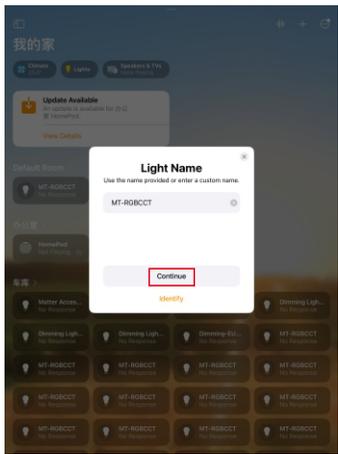


Figure 14

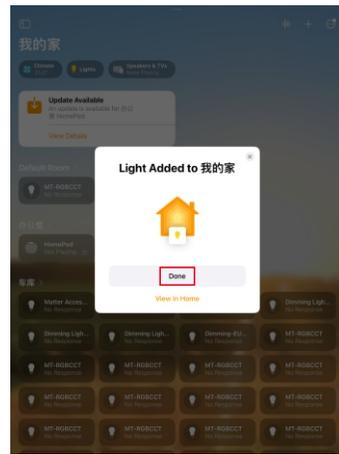


Figure 15

Note: when choose the room that you would like to add the converter to, please make sure to choose the same room that the HomePod mini is located as shown in Figure 13.



Figure 16

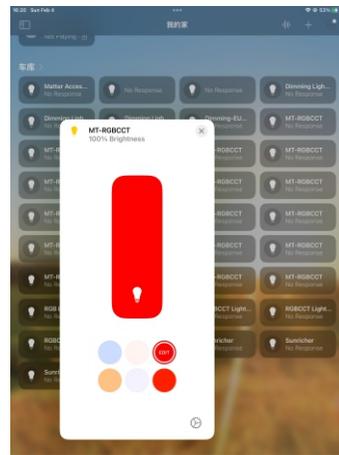
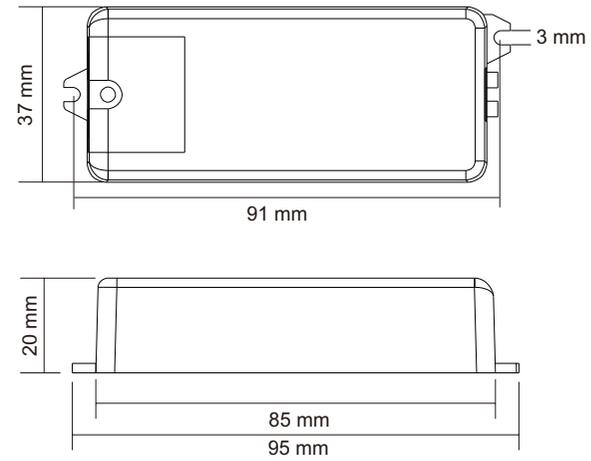


Figure 17

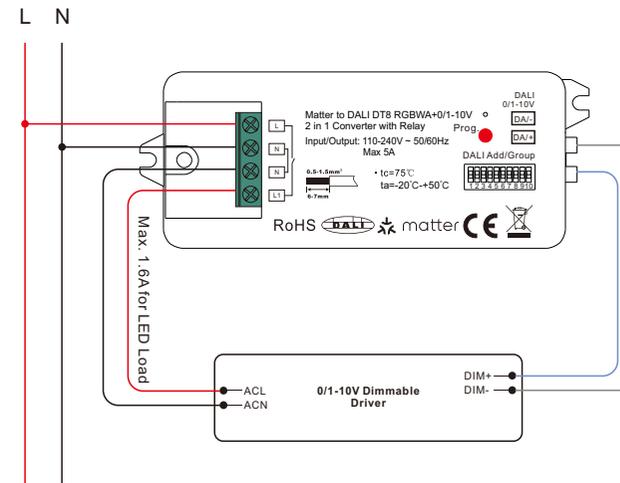
Step 6: once the converter is added to the border router successfully, tap on the device to control on/off, and press and hold device icon to enter into brightness and color control interface as shown in Figure 16 to Figure 17.

## Dimensions



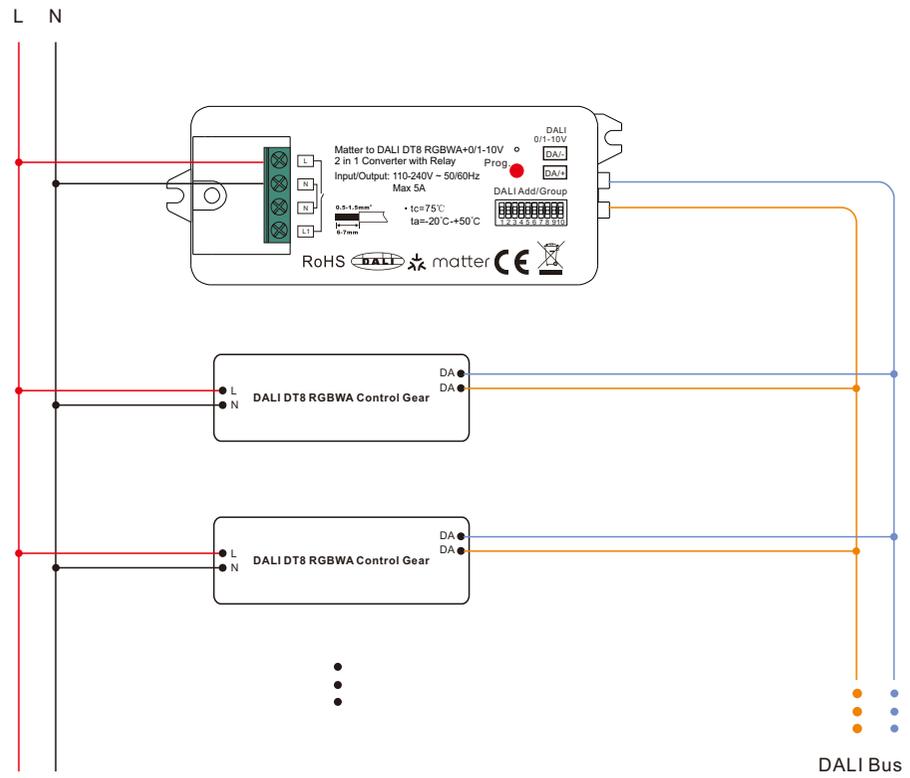
## Wiring Diagram

When 0/1-10V Output Selected



Note: the relay is only suggested to use when connected with 1-10V drivers which can not dim to off.

# When DALI Output Selected



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