

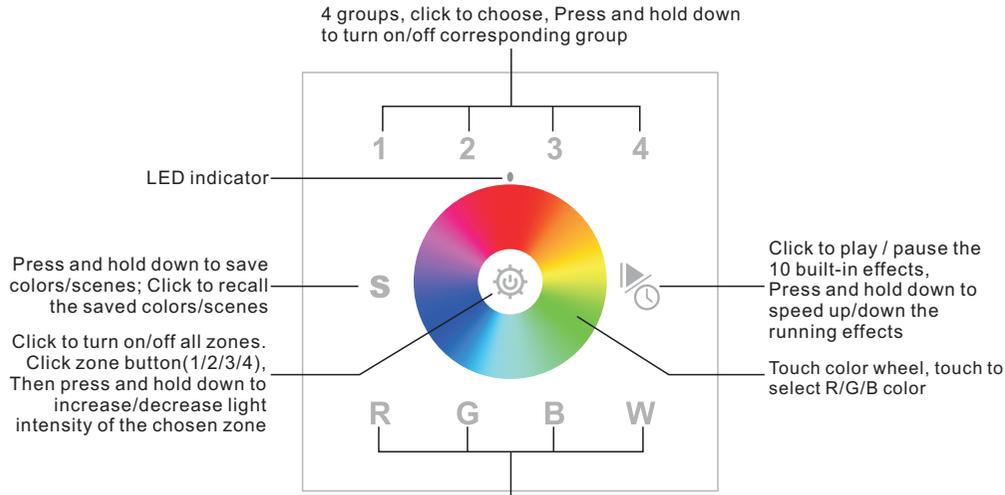
# DT8 DALI RGBW Touch Controller

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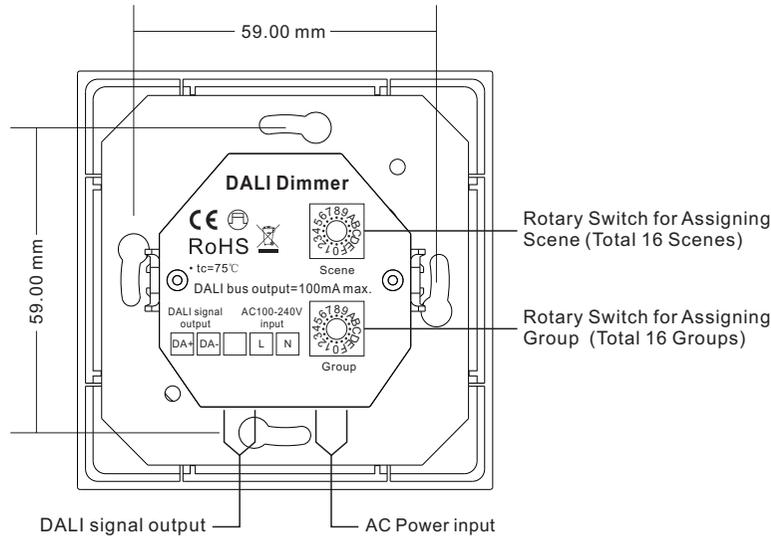
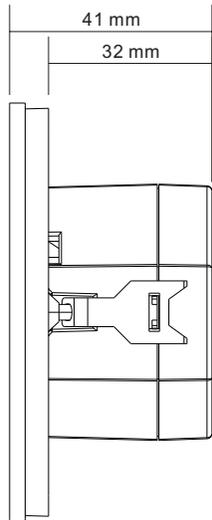


**Important:** Read All Instructions Prior to Installation

## Function introduction



**R/G/B/W 4channels:** Click to turn off/on the channel  
Press and hold down to increase/decrease light intensity of each channel



Back side

## Product Data

Power supply	100-240VAC/DALI bus
Output	DALI signal
Operation current	<15 mA
DALI bus output	100 mA max.
DALI consumption	4 mA
Operating temperature	0-40°C
Relative humidity	8% to 80%
Dimensions	86x86x41mm
Waterproof grade	IP20

- Touch sensitive, glass interface (white & black).
- Comply to DALI standard protocol IEC 62386-209
- Built-in 100mA DALI power supply to power up to max. 50 DALI ECGs
- Powered by DALI bus while not connected to AC mains
- Max. 100 DALI ECGs on a DALI line can be controlled by 4 control panels via broadcast (2 by AC mains, 2 by DALI bus)
- Enable to control 4 DALI Groups and 4 DALI Scenes
- Enable to set start DALI group number (0-15) and scene number (0-15) by rotary switches on the back.
- Support DT8 devices, color adjustment according to DALI specifications of Device Type 8, Color Type RGBWAF.
- Each DT8 device is controlled via a single DALI address
- Built-in 10 Color Sequences

## Safety & Warnings

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

## Operation

### 1. Set starting Group number via rotary switch on the back: (0-15 selectable)

• This DALI touch panel controller enables dimming commands and DT8 commands to be sent to 4 Groups of devices on the DALI circuit. A rotary switch on the back is used to select Groups you would like to control and set the starting Group number, and total 16 Groups (0-15) can be selected.

• When the rotary switch arrow position is at 0, button 1 controls all DALI devices on the circuit via broadcast, button 2 controls DALI Group 0, button 3 controls Group 1, and button 4 controls Group 2.

• When the rotary switch arrow position is at X except 0 (1-C), button 1 controls DALI Group X-1, button 2 controls Group X, button 3 controls Group X+1, and button 4 controls Group X+2.

• When the rotary switch arrow position is at D, button 1 controls devices in DALI Group 12, button 2 controls devices in DALI Group 13, button 3 controls devices in DALI Group 14, and button 4 controls all devices through broadcast.

• When the rotary switch arrow position is at E, button 1 controls devices in DALI Group 13, button 2 controls devices in DALI Group 14, button 3 controls all devices through broadcast, button 4 controls devices in DALI Group 0.

• When the rotary switch arrow position is at F, button 1 controls devices in DALI Group 14, button 2 controls all devices through broadcast, button 3 controls devices in DALI Group 0, button 4 controls DALI group 1.

**Note:** all DALI slaves on the circuit shall be assigned to one or more DALI groups by DALI master first. Please refer to the detailed Group setting table as follows:

Rotary Switch Position	0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F
DALI Group for button 1	Broadcast	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14
DALI Group for button 2	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	Broadcast
DALI Group for button 3	1	2	3	4	5	6	7	8	9	10	11	12	13	14	Broadcast	0
DALI Group for button 4	2	3	4	5	6	7	8	9	10	11	12	13	14	Broadcast	0	1

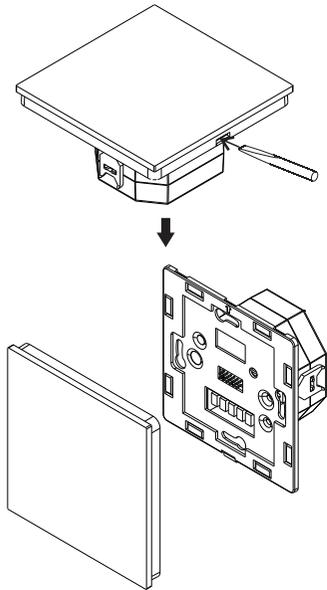
**2. Set starting Scene number via rotary switch on the back: (0-15 selectable)**

- This DALI touch panel controller enables Scene selection commands for 4 Scenes to be sent to the DALI circuit. A rotary switch on the back is used to set the starting scene number from 16 Scenes (0-15).
- When the rotary switch arrow position is at X (0-15), Scene button 1 controls DALI Scene X, button 2 controls Scene X+1, 3 controls Scene X+2, 4 controls Scene X+3.

Please refer to the detailed Scene setting table as follows:

Rotary Switch Position	0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F
Scene assigned to button 1	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Scene assigned to button 2	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	0
Scene assigned to button 3	2	3	4	5	6	7	8	9	10	11	12	13	14	15	0	1
Scene assigned to button 4	3	4	5	6	7	8	9	10	11	12	13	14	15	0	1	2

**Installation**



**Wiring diagram**

Figure 1: Wiring scheme to control up to 50 DALI ECG via broadcast or control 4 DALI groups.

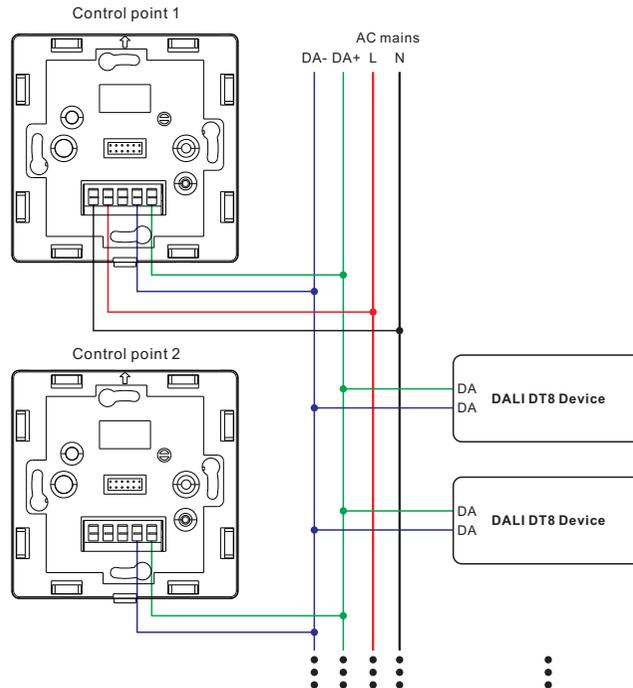
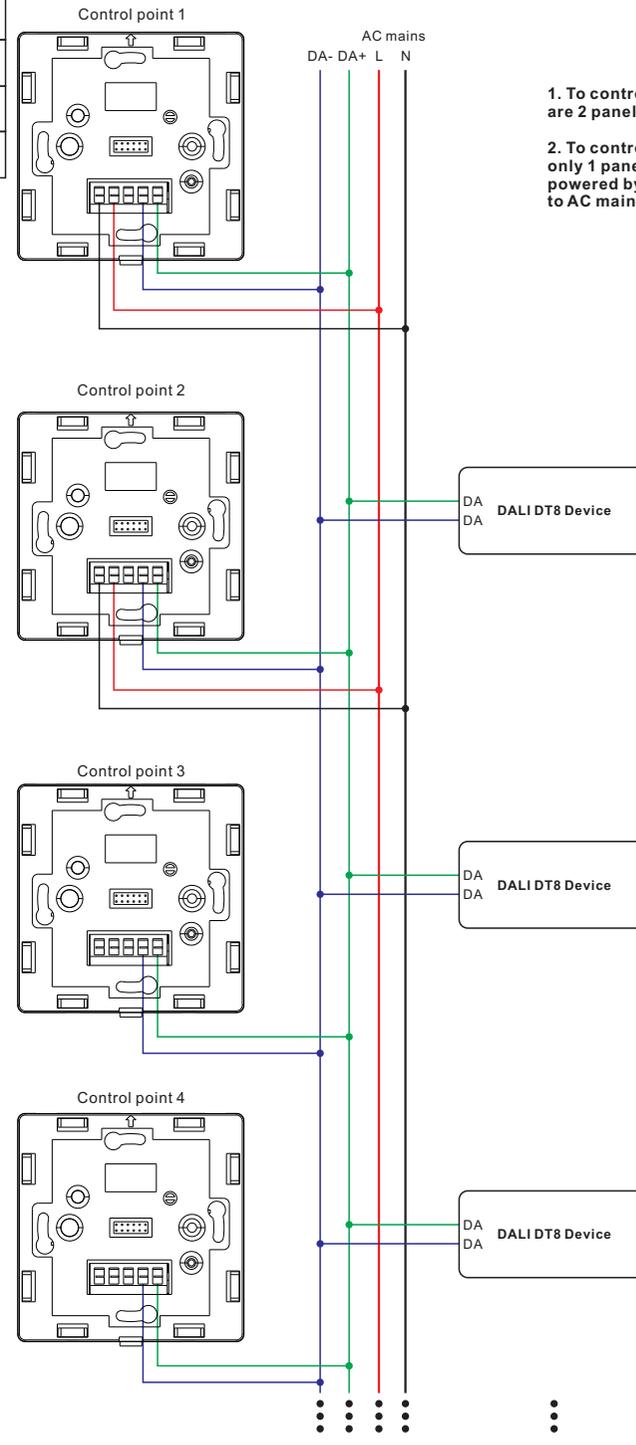


Figure 2: Wiring scheme with 2 DALI panels powered by AC mains to control up to 100 DALI ECG via broadcast or control 4 DALI groups.



1. To control up to 100 ECG with the setup (Figure 2), there are 2 panels connected to AC mains.
2. To control up to 50 ECG with the setup (Figure 1), there is only 1 panel connected to AC mains. Other panels are powered by DALI bus. Max. 2 DALI panels can be connected to AC mains in the same control circuit.

**Save and recall scenes****Save scenes:**

Turn on the DALI panel → Click 1/2/3/4 to select a group (here the numbers 1/2/3/4 mean group numbers) → Operate the panel to select a color, a brightness or play a running mode → Press and hold down button S until the LED indicator changes color → Immediately click 1/2/3/4 (here the same numbers 1/2/3/4 mean you can save 4 scenes for the above selected group) that you would like to save the scene to → The LED indicator on the panel will flash → The scene is saved successfully

**Recall the saved scenes:**

Turn on DALI panel → Click 1/2/3/4 to select a group to recall the saved scenes (here the numbers 1/2/3/4 mean group numbers) → Click button S → Click 1/2/3/4 (here the same numbers 1/2/3/4 mean scene numbers of the 4 saved scenes for the above selected group) again to select a saved scene and recall it