arcus™
Fine Work of Arc

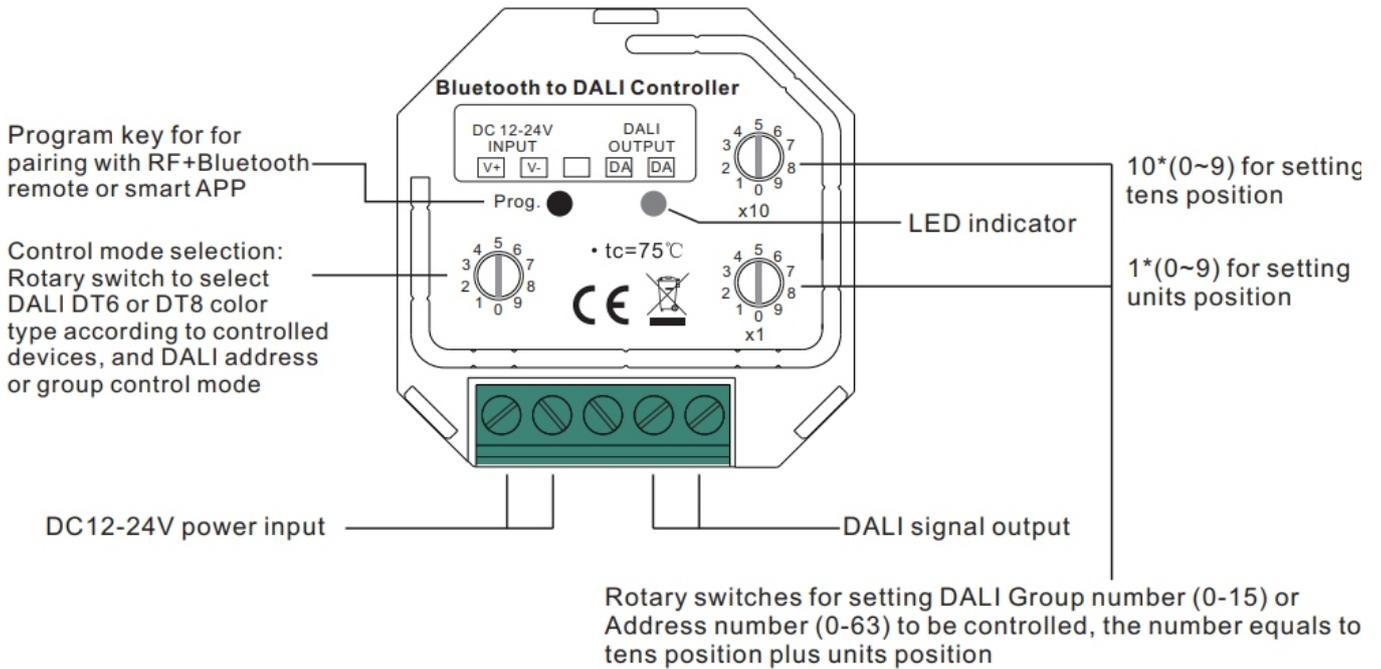# 4 in 1 Bluetooth to DALI Controller

PRODUCT DESCRIPTION

- Bluetooth to DALI converter with mesh network
- Bluetooth input → DALI output, 12–24V DC supply
- Control via RF remote or smart App (no gateway, quick QR code pairing)
- Mesh network extends control distance, signals relay between devices
- DALI current consumption <4mA
- Supports DT6 & DT8 devices (Tc, XY, RGBW selectable via rotary switch)
- Multiple control modes: RGBCCT, RGBW, RGB (XY), CCT (Tc), DIM, ON/OFF via App
- Group, Address, or Broadcast control (Group 0–15 / Address 00–63) selectable by rotary switch
- Multiple controllers can be installed on a DALI line for multi-control points
- IP20 rated

Item Number: **CT-DL-1009**

FUNCTION INTRODUCTION

Program key for for pairing with RF+Bluetooth remote or smart APP

Control mode selection: Rotary switch to select DALI DT6 or DT8 color type according to controlled devices, and DALI address or group control mode

DC12-24V power input

10*(0~9) for setting tens position

1*(0~9) for setting units position

LED indicator

DALI signal output

Rotary switches for setting DALI Group number (0-15) or Address number (0-63) to be controlled, the number equals to tens position plus units position

GENERAL

Input signal	Bluetooth
Radio frequency	2.4GHz
Output	DALI signal
Power Supply	12-24VDC
DALI Current Consumption	<4mA
Operating temperature	0-40°C
Relative humidity	8% to 80%
Dimensions (LxWxH)	45.5x45x20.3mm

SAFETY & WARNINGS

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

OPERATION

1. Select DALI Address/Group Control Mode & DT6/DT8 Control Mode:

A rotary switch is used to select Address/Group control mode & DT6/DT8 control mode

Control Mode Switch Position	0	1	2	3	4	5	6	7
Control Mode Selected	Address & DT6	Group & DT6	Address & DT8 Tc	Group & DT8 Tc	Address & DT8 XY	Group & DT8 XY	Address & DT8 RGBWAF	Group & DT8 RGBWAF

2. Select DALI Address to be Controlled:

1) Once an address control mode is selected, use the two rotary switches for setting address number (00-64) to select the DALI address (00-63) you would like to control, the number equals to tens position plus units position.
2) Set the address number as 0, all DALI devices on the circuit will be controlled through broadcast.
3) Set the address number as X except 0 (01-64), control gear with DALI address X-1 will be controlled.

Note: if X is set as 64, control gears with DALI address 63 will be controlled by the controller.

3. Select DALI Group to be Controlled:

1) Once a group control mode is selected, use the two rotary switches for setting group number to select the DALI group (0-15 selectable) you would like to control, the number equals to tens position plus units position.
2) This DALI controller enables dimming commands and DT8 commands to be sent to 1 Group of devices on the DALI circuit.
3) When group number is set as 0, all DALI devices on the circuit will be controlled through broadcast.
4) When group number is set as X except 0 (1-15), the controller will control DALI Group X-1.

Note: Please first group all DALI control gears on the circuit by a master controller.

Please refer to the detailed Group setting table as follows:

Group Number Setting	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
DALI Group Selected	Broadcast	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14

4. 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 (or reset power of the converter 8 times continuously if the button is not accessible to factory reset the device) until the indicator flashes, which means well deleted.

   Note: factory resetting will restore all configured parameters of the device on the APP to factory default setting.

5. Pair with smart APP

1. Do wiring according to connection diagram.

2. Download EasyThings APP from IOS APP Store or Android Google Play to your smart phone or tablet by searching "EasyThings". (As shown in Figure 1)

3. Enable Bluetooth on your smart phone or tablet. (As shown in Figure 2)
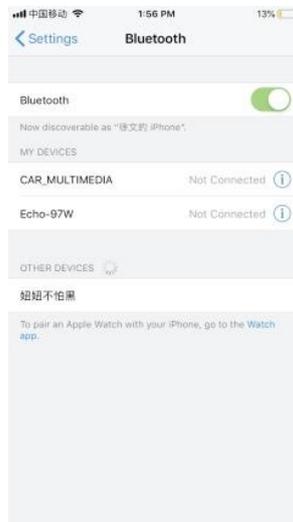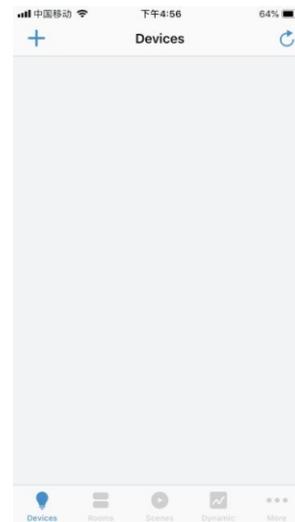
Figure 1	Figure 2	Figure 3

4. Run the esythings APP, tap add button " + " on the APP to add device, then choose "Discover devices" to discover device, then short press the "Prog." button on the converter twice (or reset power of the converter twice continuously) to set the device into pairing to APP mode. (As shown in Figure 3 & Figure 4 & Figure 5)
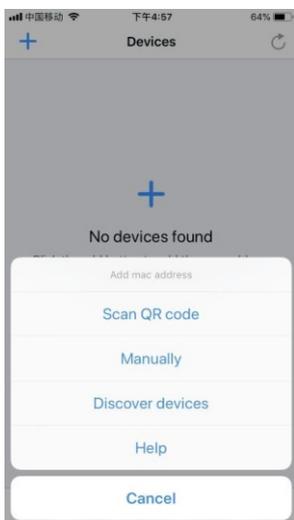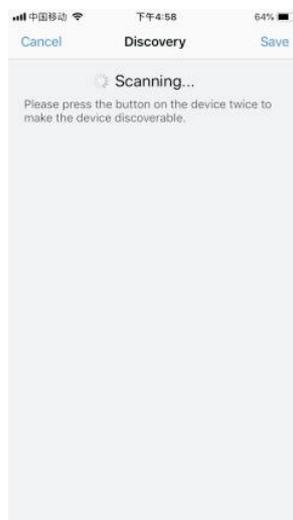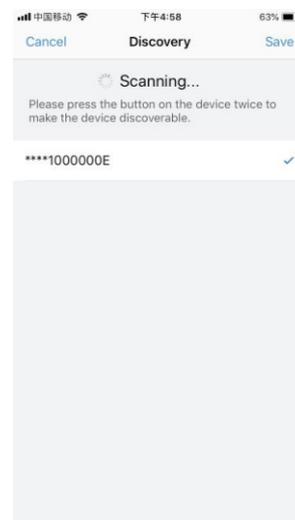
Figure 4	Figure 5	Figure 6

Note: Multiple converters can be discovered by the APP at the same time.

5. Once the device/devices are discovered, tick the device/devices and tap "Save" button, the will be added successfully. (as shown in Figure 6)

Configure Light Type (Select A DALI Device Type to Control) Using smart APP

1. Press and hold the device icon to enter into control interface, then tap button " 📝 " at upper right corner to enter into edit page of this device (As shown in Figure 7 & Figure 8).

2. Then tap "Light Type" to enter light type configuration page, for this controller, it enables to select 6 different DALI device types to control: RGBCCT(RGBWA), RGBW(RGBW), RGB(XY coordinate), CCT(Tc), DIM, ON/OFF. Once select a Light Type, tap " ✓ " at upper right corner to confirm, the indicator will flash to indicate successful configuration. (As shown in Figure 8)
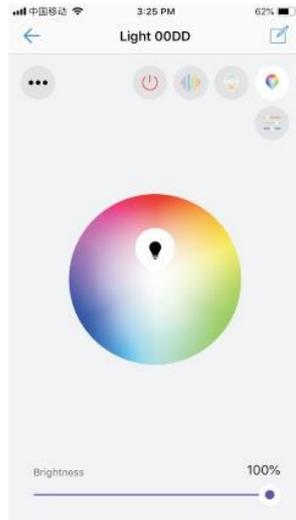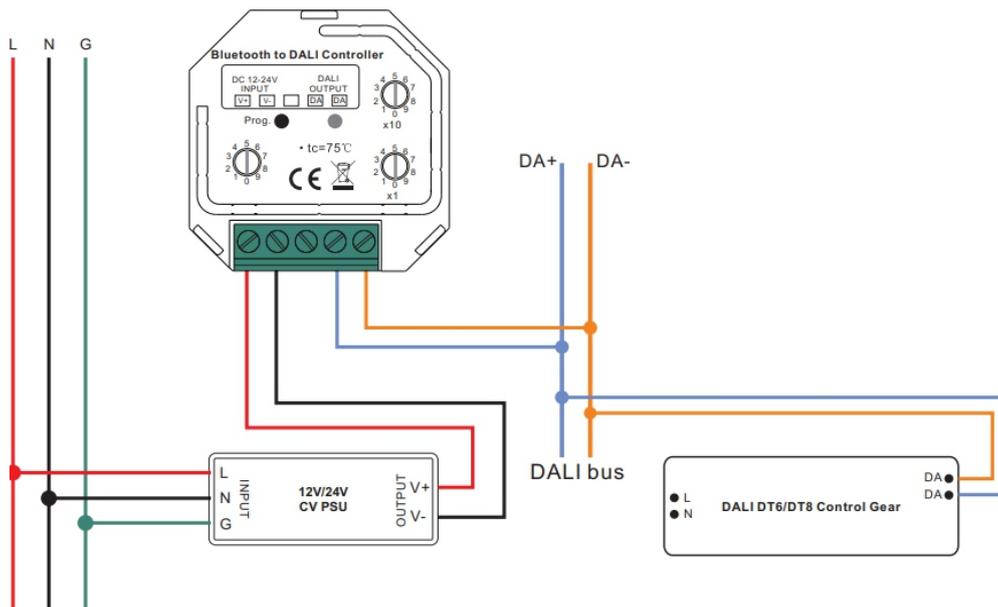

Figure 7   Figure 8

WIRING DIAGRAM

PRODUCT DIMENSION

45.50 mm

45.00 mm

20.3 mm