DIN Rail Ethernet (IP) DALI Gateway

DALI CE RoHS COMPLIANT

Important: *Read All Instructions Prior to Installation*

Function introduction

RJ45 Terminal

87654321

Ethernet   Ethernet

EDA DALI Gateway

DC INPUT   DALI 1 2   DALI
V- V+ Reset Power ▲▲ DA DA

Power indicator

Prog. indicator: It turns to blue during reset

1 2

24VDC Input

DALI Output/Input

Reset Key

Enable or disable to use built-in DALI PS by dial switches:

1 2 ↓↓ Disabled
    ↑↑ Enabled
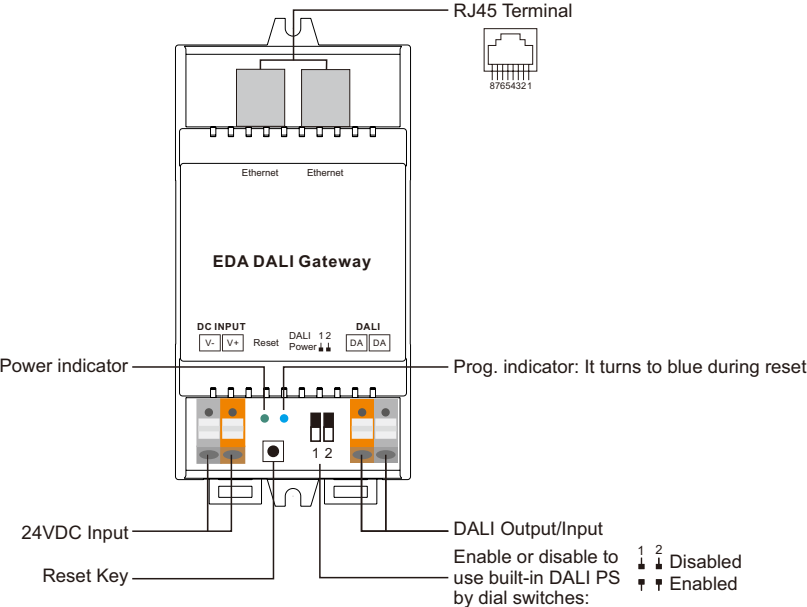
Test function:
Short press Reset Key to turn on all lights on the bus, press again to turn off.

Full brightness:
Double press Reset Key to set all lights on the bus to 100% brightness.

Static IP address:
Press and hold Reset Key for 5s to set the gateway to static IP address: 10.10.10.100

DHCP mode:
Short press Reset Key 10 times to set the gateway to DHCP IP address mode, the address will be assigned by router

Reset gateway:
Short press Reset Key 5 times, the blue indicator will turn on, then immediately press and hold Reset Key for 5s to reset the gateway to factory settings

Note: these operations above are base on the PC software version V2.0.11, and the firmware version V3.16.
If the versions are below these, you need to update them first.

Product Data

While built-in DALI PS enabled

Input Voltage	Number of DALI Channel	Output Voltage	Output Current	Size(LxWxH)	Ambient Temperature
24VDC	1	12-22.5VDC	Guaranteed supply current: 230mA Max. supply current: 250mA	110x53x65mm	-20℃ ~ +50℃

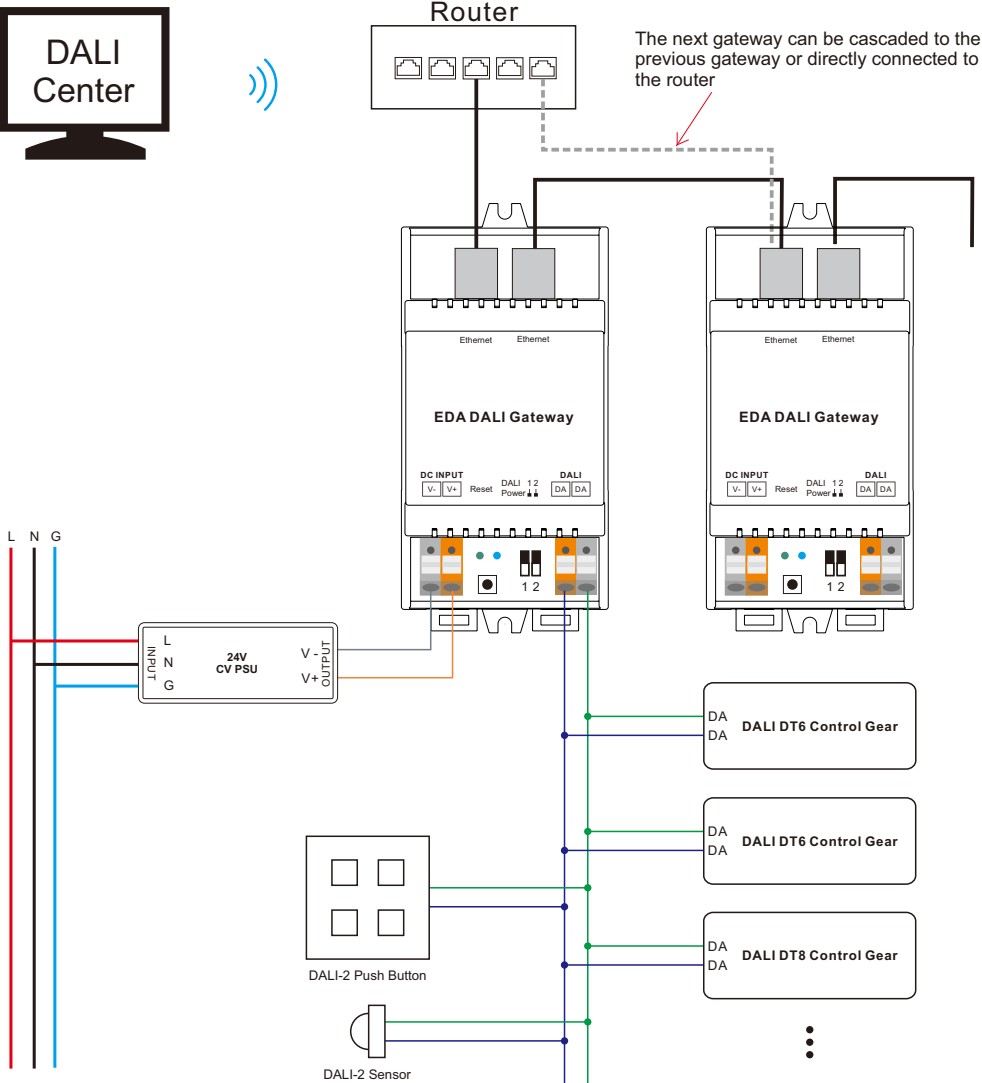### While built-in DALI PS disabled

Input Voltage	Number of DALI Channel	DALI Current Consumption	Size(LxWxH)	Ambient Temperature
24VDC	1	Max. 2mA	110x53x65mm	-20℃ ~ +50℃

• Supports DT6, DT8 Tc, DT8 XY, DT8 RGBWA device types
• Supports addressing, grouping and scene configuration for max. 64 control gears (DALI-1 and DALI-2)
• Built-in 250mA DALI PS, no extra wiring required
• Easy connect to a network through Ethernet connection
• Easy & quick configuration through DALI Center PC application
• Built-in battery, built-in RTC, supports timer task configuration
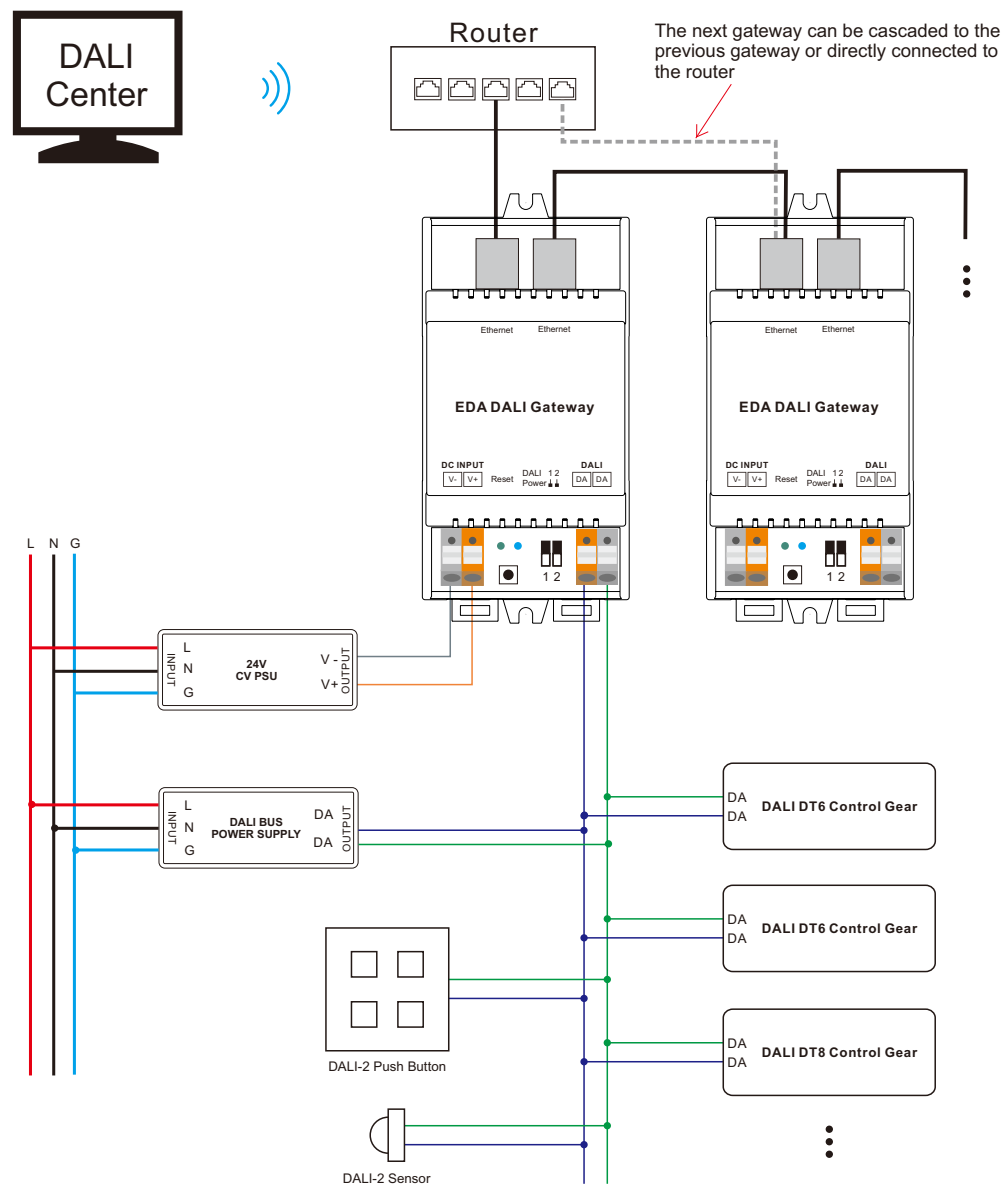• Waterproof grade: IP20
• 5 years warranty

Wiring Diagram

1) While built-in DALI PS enabled

DALI Center

Router

The next gateway can be cascaded to the previous gateway or directly connected to the router

EDA DALI Gateway

DC INPUT   DALI 1 2   DALI
V- V+ Reset Power ▲▲ DA DA

1 2

EDA DALI Gateway

DC INPUT   DALI 1 2   DALI
V- V+ Reset Power ▲▲ DA DA

1 2

L N G

L
INPUT N
G

24V CV PSU

V - OUTPUT
V+

DA
DA **DALI DT6 Control Gear**

DA
DA **DALI DT6 Control Gear**

DA
DA **DALI DT8 Control Gear**

DALI-2 Push Button

DALI-2 Sensor

Note: Recommended no more than 8 sensors be installed on a single DALI bus.
The current at the moment of sensor trigger can reach up to 30mA. If too many sensors are installed on the same DALI bus, and several sensors are triggered simultaneously, the total power consumption may exceed the current limit of the DALI bus, which could lead to potential issues.

2) While built-in DALI PS disabled

DALI Center

Router

The next gateway can be cascaded to the previous gateway or directly connected to the router

Ethernet   Ethernet

EDA DALI Gateway

DC INPUT | V- V+ | Reset | DALI 1 2 Power | DALI DA DA

1 2

Ethernet   Ethernet

EDA DALI Gateway

DC INPUT | V- V+ | Reset | DALI 1 2 Power | DALI DA DA

1 2

L N G

L N G INPUT | **24V CV PSU** | V - V+ OUTPUT

L N G INPUT | **DALI BUS POWER SUPPLY** | DA DA OUTPUT

DA DA | **DALI DT6 Control Gear**

DA DA | **DALI DT6 Control Gear**

DA DA | **DALI DT8 Control Gear**

DALI-2 Push Button

DALI-2 Sensor

Note: When built-in DALI Bus PS is disabled, the number of following control gears depends on external DALI PS.

Operation

1) Do wiring according to the wiring diagram and power on the DALI system.

2) Pair the DALI gateway to the network and control it through the DALI Center.

Product Dimension

110.00 mm

53.00 mm

65.00 mm
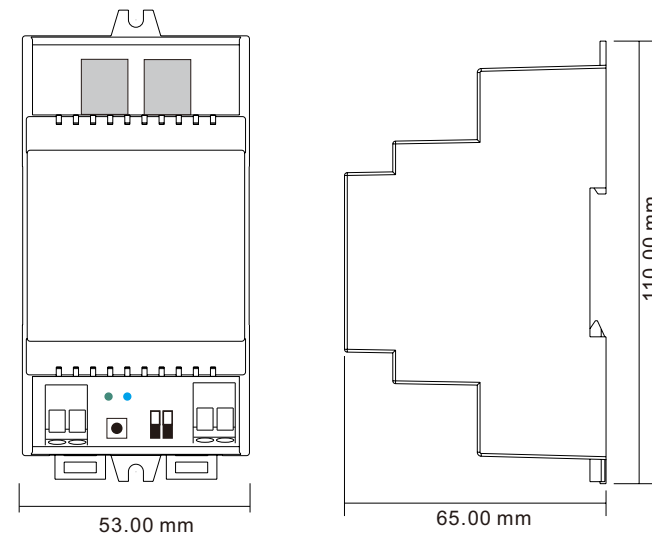
Tips

1. Working with Universal DALI-2 control gears
2. Better performance with SUNRICHER DALI devices

Download DALI Master PC Software

DALI Master PC software can be downloaded from the following links:
https://www.sunricher.com/downloads