SUNRICHER

Bluetooth to DALI Converter with Built-in BUS Power

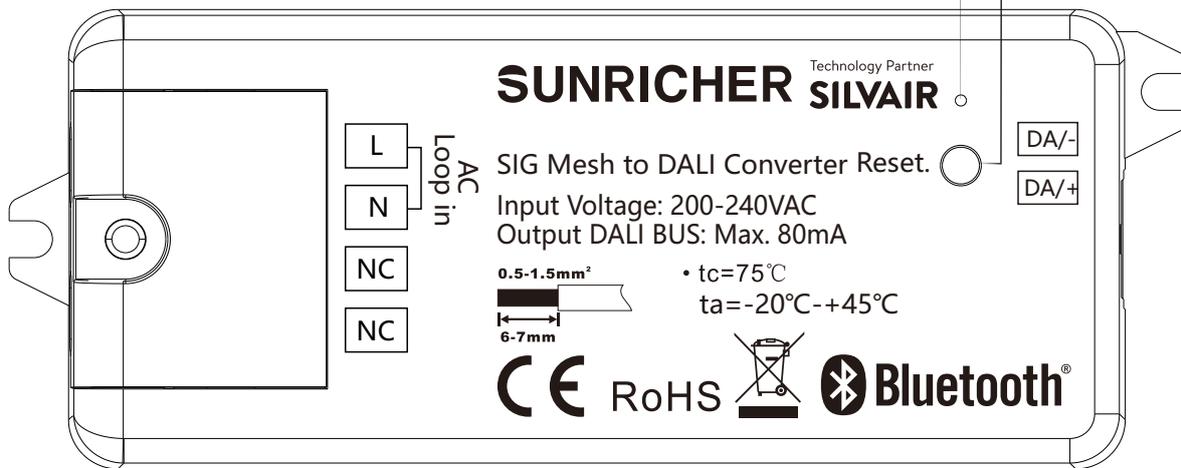SUNRICHER SILVAIR *Technology Partner*

SR-SV2421-DDI
SIG Mesh to DALI Converter   Reset.
Input Voltage: 200-240VAC
Output DALI BUS: Max. 80mA
0.5-1.5mm²   • tc=75℃
6-7mm   ta=-20℃-+45℃
L N NC NC   AC Input   DA/- DA/+
CE RoHS ⌧ **Bluetooth**®

SUNRICHER SILVAIR *Technology Partner*

SR-SV2421-DCT
SIG Mesh to DALI Converter   Reset.
Input Voltage: 200-240VAC
Output DALI BUS: Max. 80mA
0.5-1.5mm²   • tc=75℃
6-7mm   ta=-20℃-+45℃
L N NC NC   AC Input   DA/- DA/+
CE RoHS ⌧ **Bluetooth**®

Product Datasheet

Please read all instructions before installation

Bluetooth® CE **RoHS** COMPLIANT 110 ⌧

www.sunricher.com

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BLE to DALI converter with
built-in bus power output

Product info

Reset Key: Press it to help withdraw the device from internet/APP
LED flashes quickly indicates success.

LED indicator: When controller is added to the network,
the indicator light will quick flash

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Technology Partner

SIG Mesh to DALI Converter Reset.
Input Voltage: 200-240VAC
Output DALI BUS: Max. 80mA

L
N
NC
NC

AC
Loop in

DA/-
DA/+

0.5-1.5mm²
6-7mm

• tc=75℃
ta=-20℃-+45℃

CE RoHS Bluetooth®

Specification

Model number	Dimming	Power	Signal	DALI PS current output	DALI current consumption	Operating temperature	Relative humidity	Dimensions
SR-SV2421-DDI	ON/OFF/ Light Level	200-240VAC	SIG Mesh	Max. 80mA	Max. 4mA	-20°C-+45°C	8% to 80%	95x37x20mm
SR-SV2421-DCT	ON/OFF/ Light Level/ Tunable White	200-240VAC	SIG Mesh	Max. 80mA	Max. 4mA	-20°C-+45°C	8% to 80%	95x37x20mm

Features

- Bluetooth to DALI signal converter,Bluetooth® mesh network
- Built-in DALI bus power supply,no additional DALI bus PS is required
- Max.80mA DALI bus power current output, can control up to 40 DALI control gears.
- All devices on DALI line are broadcast controlled by Silvair Commissioning tools
- Mesh network, which has a much longer control distance, transmits received signals to neighbor devices
- All device on DALI line are broadcast controlled by mobile application
- Supporting our kinetic energy switches and EnOcean switches EWSSB and EWSDB
- In typical outdoor environment, the range for wireless communication is about 25meters . Actual range is dependent on field installation.
- Class II rated
- On-board antenna
- Waterproof grade: IP20
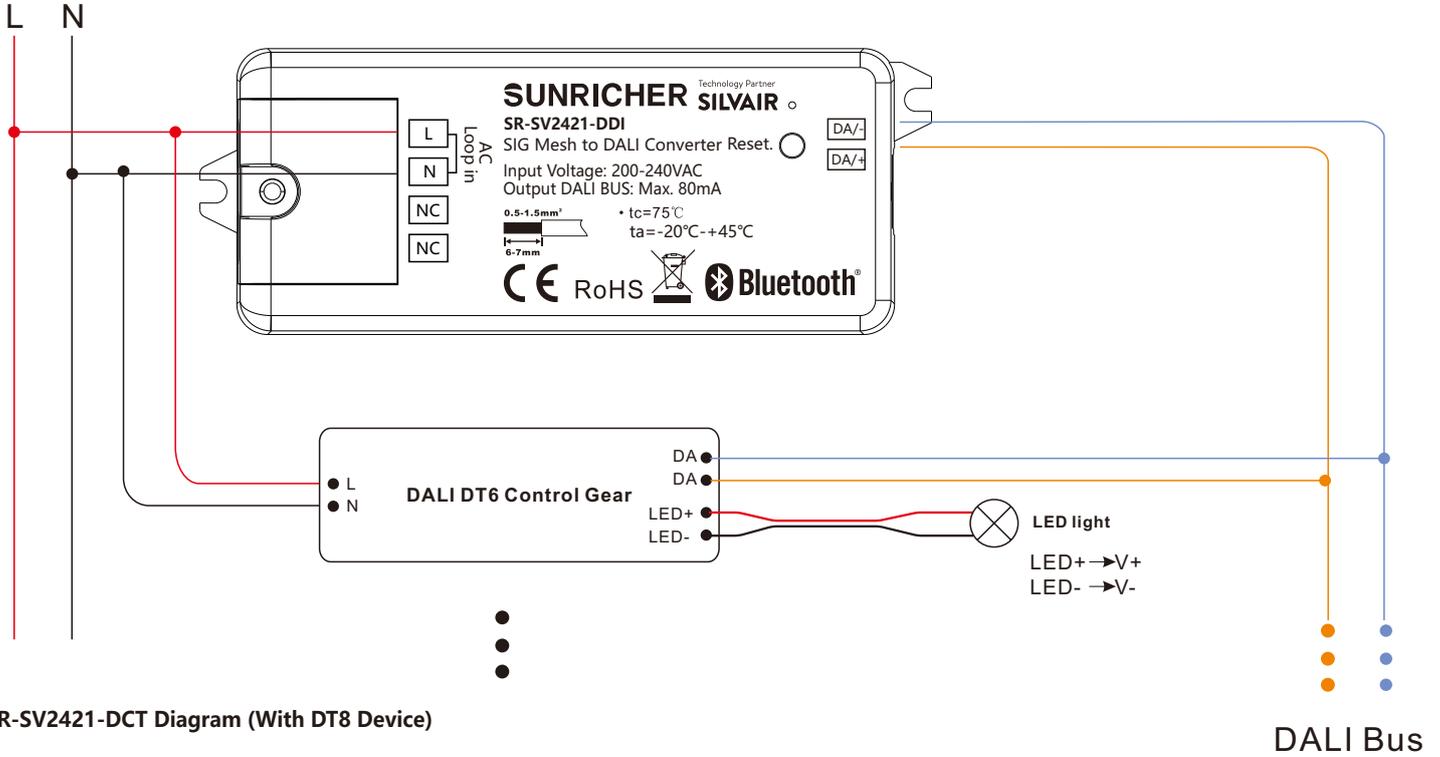- 5 years warranty

Warning

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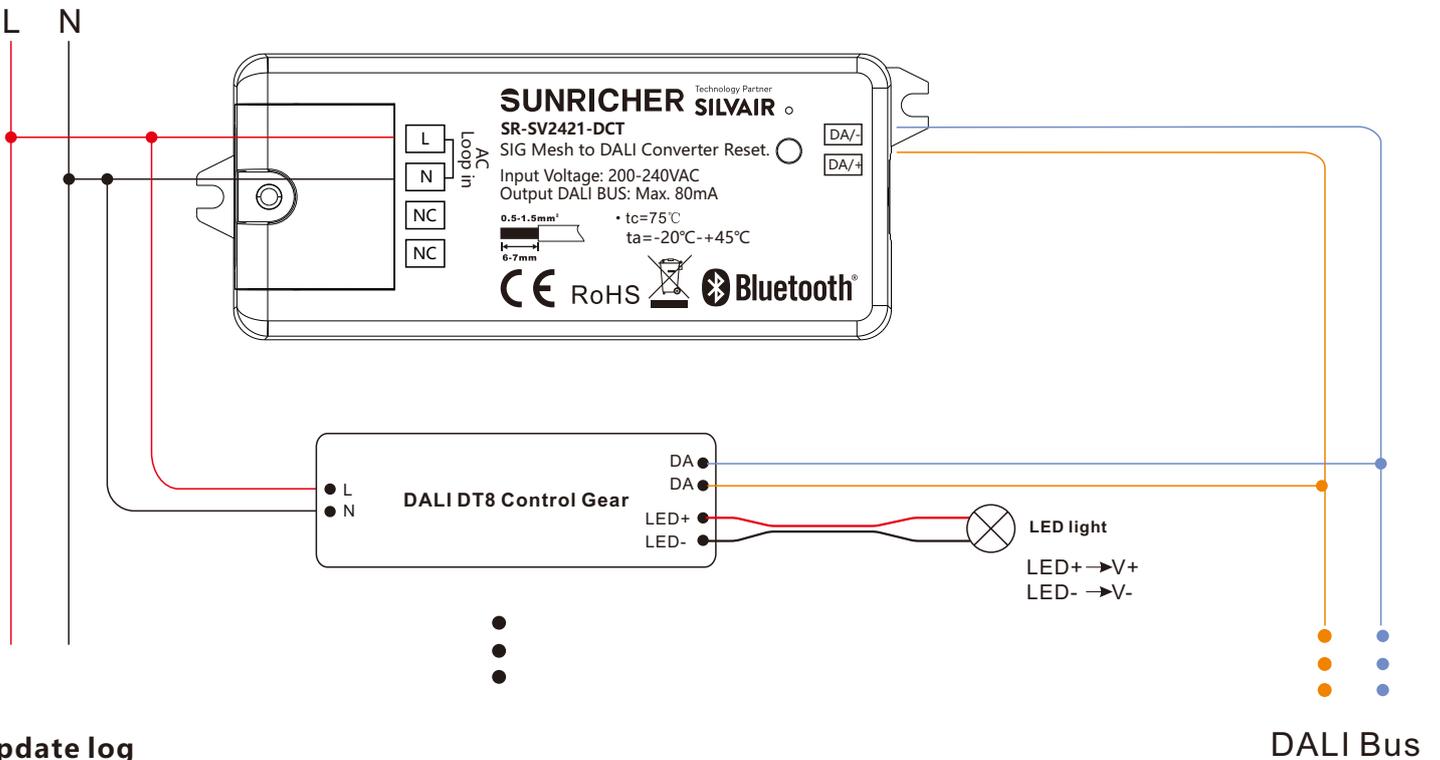- DO NOT expose the device to moisture

Operation

- Do wiring according to connection diagram
- Kindly refer to""**Silvair commissioning User Manual**"for further pairing
- Press and hold down the "**Reset**"button on the controller over 5 seconds until the indicator flashes , which means it has been reset.

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BLE to DALI converter with
built-in bus power output

Wiring

1)SR-SV2421-DDI Diagram (With DT6 Device)

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6-7mm
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ta=-20℃-+45℃

DA/-
DA/+

CE RoHS 🗑 ❊ **Bluetooth**®

DALI DT6 Control Gear
L
N
DA
DA
LED+
LED-

LED light
LED+ ➡V+
LED- ➡V-

DALI Bus

2)SR-SV2421-DCT Diagram (With DT8 Device)

L N

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SR-SV2421-DCT
SIG Mesh to DALI Converter Reset.
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Output DALI BUS: Max. 80mA

L
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0.5-1.5mm²
6-7mm
• tc=75℃
ta=-20℃-+45℃

DA/-
DA/+

CE RoHS 🗑 ❊ **Bluetooth**®

DALI DT8 Control Gear
L
N
DA
DA
LED+
LED-

LED light
LED+ ➡V+
LED- ➡V-

DALI Bus

Update log

Date	Version	Update content	Update by
2023-2-7	V1.2	Diagram Updated	Romeo

Subject to change without notice.Please contact us if you have any question.