# RF to DALI Converter

Model No.:DA-M

6 in 1 / Wireless remote control / Powered by DALI bus or 24VDC / Encoding switch select address

Features

- RF DALI master, 6 in 1 function, support single color, color temperature, RGB, RGBW, RGB+CCT, or switch light control.
- Match with RF 2.4G single zone or multiple zone remote control.
- 1 DALI address, support DT6 dimming, DT8-TC color temperature, DT8-RGB, DT8-RGBW or DT7 switch.
- In accordance with DALI standard protocol IEC 62386-101,102, 207, 208, 209
  and in compliance with DALI products from other international incorporation.
- Powered by DALI bus or 24VDC.
- Enable to select DALI address by encoding switch, support unicast, group and broadcast mode.
- For RGB/RGBW/RGB+CCT light type, built-in 10 dynamic modes, including jump or gradient.
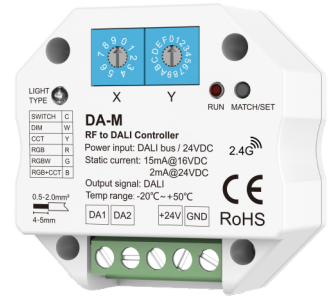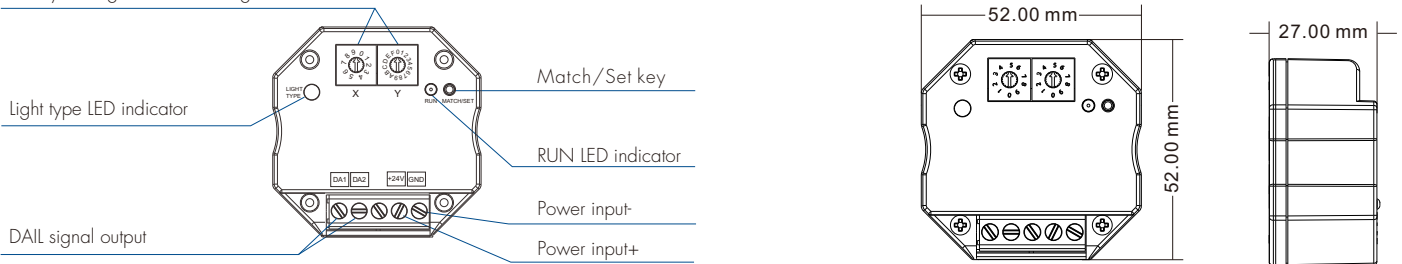

Technical Parameters

Input and Output

Power input	DALI bus/24VDC
Static current	15mA@16VDC, 2mA@24VDC
Input signal	RF 2.4GHz
Output signal	DALI
Remote control distance	30m(open and barrier-free)

Environment

Operation temperature	Ta: -20℃ ~ +50℃
Case temperature (Max.)	Ta: +55℃
IP rating	IP20

Package

Size	W60 x L 60 x H40mm
Gross weight	0.060kg

Warranty

Warranty	5 years

Mechanical Structures and Installations

Rotary coding switch for setting DALI address

Light type LED indicator

DAIL signal output

Match/Set key

RUN LED indicator

Power input-

Power input+

52.00 mm

52.00 mm

27.00 mm

Wiring Diagram

1. DALI bus power supply

RF remote control

DALI Bus Power Supply

DALI LED Dimmer

DALI LED Dimmer

DALI LED Dimmer

DALI LED Dimmer

LED light   LED light   LED light   LED light

2. 24VDC power supply

RF remote control

DALI Bus Power Supply

Power Supply 24VDC Constant Voltage

AC100-240V

DALI LED Dimmer

DALI LED Dimmer

DALI LED Dimmer

DALI LED Dimmer

LED light   LED light   LED light   LED light
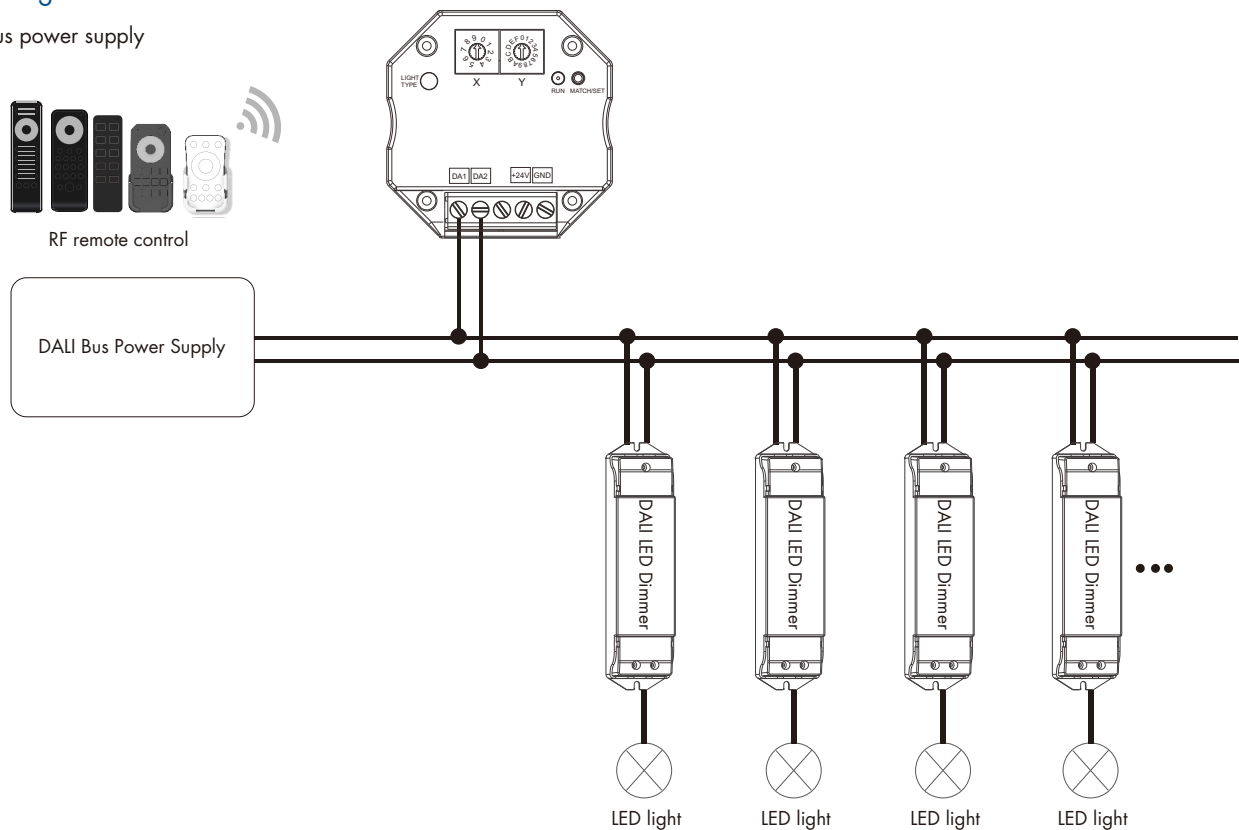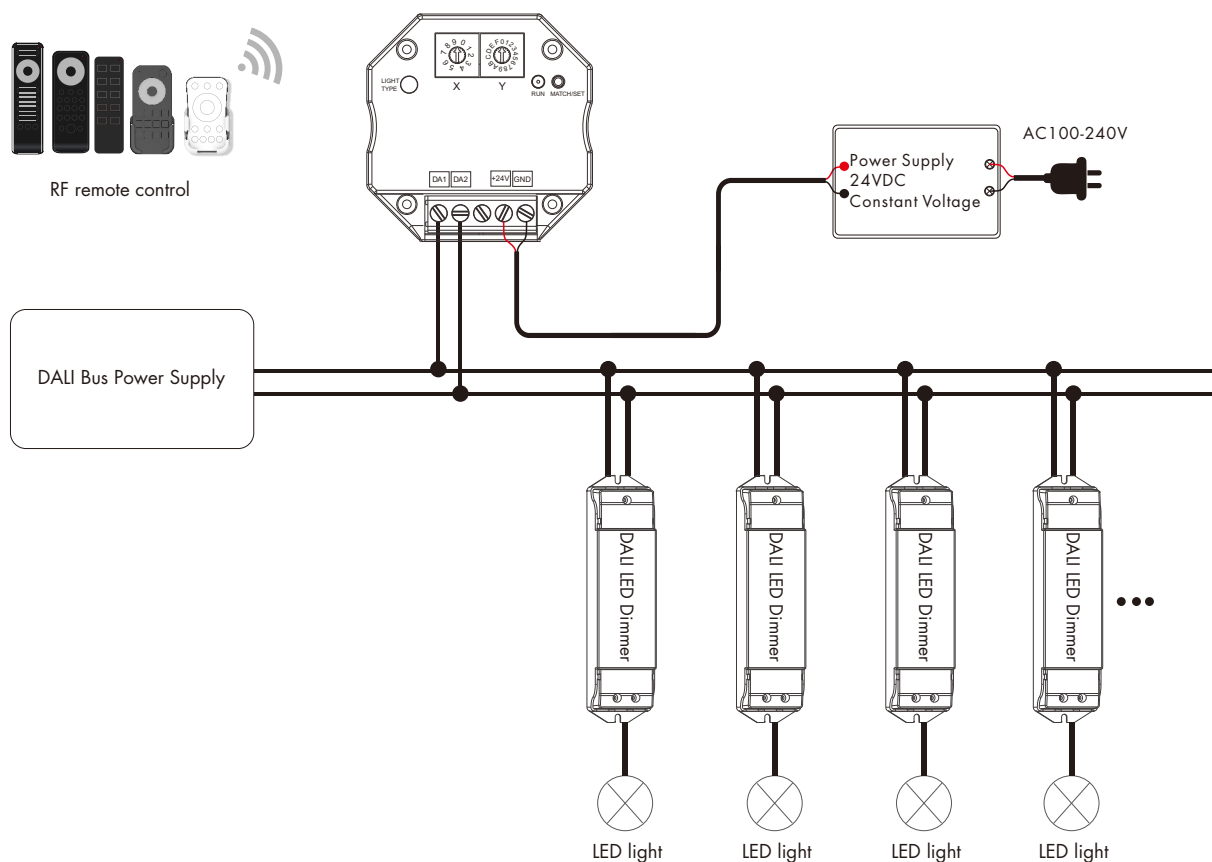
Note: It is recommended to use a 24VDC power supply for the DALI master to reduce the load on the DALI bus power supply.

Light type settings

SWITCH	C
DIM	W
CCT	Y
RGB	R
RGBW	G
RGB+CCT	B

Please select the light type before match the remote control.

Press and hold Match/Set key for 2s, switch 6 kinds light type in sequence, and light type LED indicator turn corresponding color.

White: DIM
Yellow: CCT
Red: RGB
Green: RGBW
Blue: RGB+CCT
Cyan: SWITCH

Match Remote Control (two match ways)

Please select the same light type of RF remote control for matching,
End user can choose the suitable match/delete ways. Two options are offered for selection:

Use the Match key

Match:
Short press match key, immediately press on/off
key (single zone remote) or zone key (multiple zone remote) on the remote.
The RUN LED indicator fast flash a few times means match is successful.

Delete:
Press and hold match key for 5s to delete all match,
The RUN LED indicator fast flash a few times means all matched remotes were deleted.

Use Power Restart

Match:
Switch off the power of the receiver, then switch on power, repeat again.
Immediately short press on/off key (single zone remote)
or zone key (multiple zone remote) 3 times on the remote.
The RUN LED indicator blinks 3 times means match is successful.

Delete:
Switch off the power of the receiver, then switch on power, repeat again.
Immediately short press on/off key (single zone remote)
or zone key (multiple zone remote) 5 times on the remote.
The RUN LED indicator blinks 5 times means all matched remotes
were deleted.

DALI address setting

Address value = X * 10 + Y.
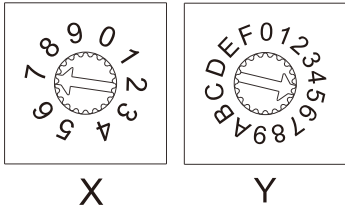For example: X = 5, Y = 4, Address value = 5 x 10 + 4 = 54.

Unicast mode
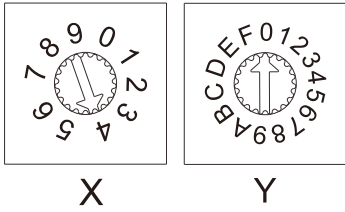
X is 0-6, Y is 0-9.
Address value 0-63 correspond to DALI unicast address 00-63.
For example:
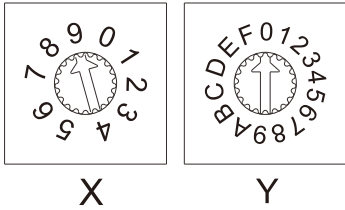Address value = 40, the unicast address value is 40.

Group mode

X is 7, Y is 0-F.
Address value 70-7F correspond to DALI group address 0-15.
For example:
Address value = 75, the group address value is 5.

Broadcast mode

X is 9, Y is 0-F.
Address value 90 - 9F correspond to broadcast address.

Dynamic mode list

For RGB/RGBW:

No.	Name	No.	Name
1	RGB jump	6	RGB fade in and out
2	RGB smooth	7	Red fade in and out
3	6 color jump	8	Green fade in and out
4	6 color smooth	9	Blue fade in and out
5	Yellow cyan purple smooth	10	White fade in and out

For RGB+CCT:

No.	Name	No.	Name
1	RGB jump	6	RGB fade in and out
2	RGB smooth	7	Red fade in and out
3	6 color jump	8	Green fade in and out
4	6 color smooth	9	Blue fade in and out
5	Color temperature smooth	10	White fade in and out