

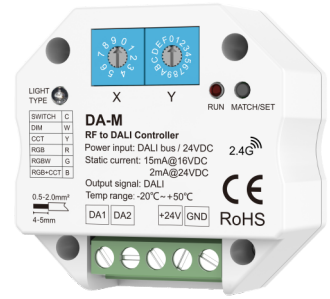
RF to DALI Converter

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.

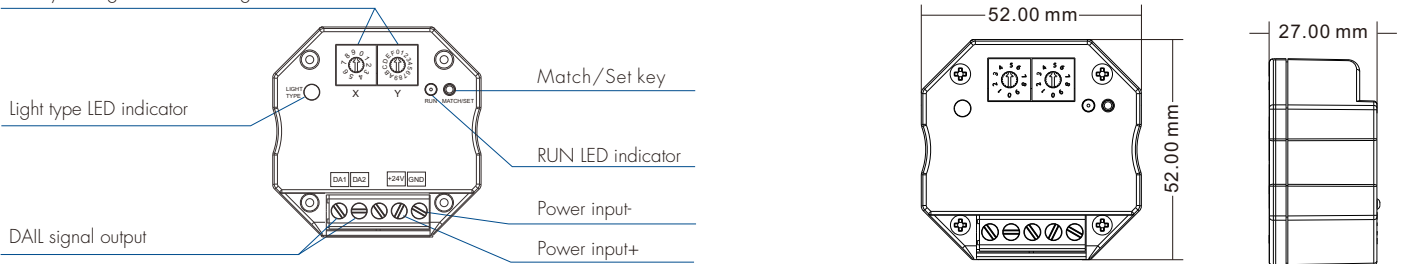


Technical Parameters

| Input and Output | | Environment | | Package | |
|-------------------------|----------------------------|-------------------------|-------------------|-----------------|--------------------|
| Power input | DALI bus/24VDC | Operation temperature | Ta: -20°C ~ +50°C | Size | W60 x L 60 x H40mm |
| Static current | 15mA@16VDC, 2mA@24VDC | Case temperature (Max.) | Ta: +55°C | Gross weight | 0.060kg |
| Input signal | RF 2.4GHz | IP rating | IP20 | Warranty | |
| Output signal | DALI | | | Warranty | 5 years |
| Remote control distance | 30m(open and barrier-free) | | | | |

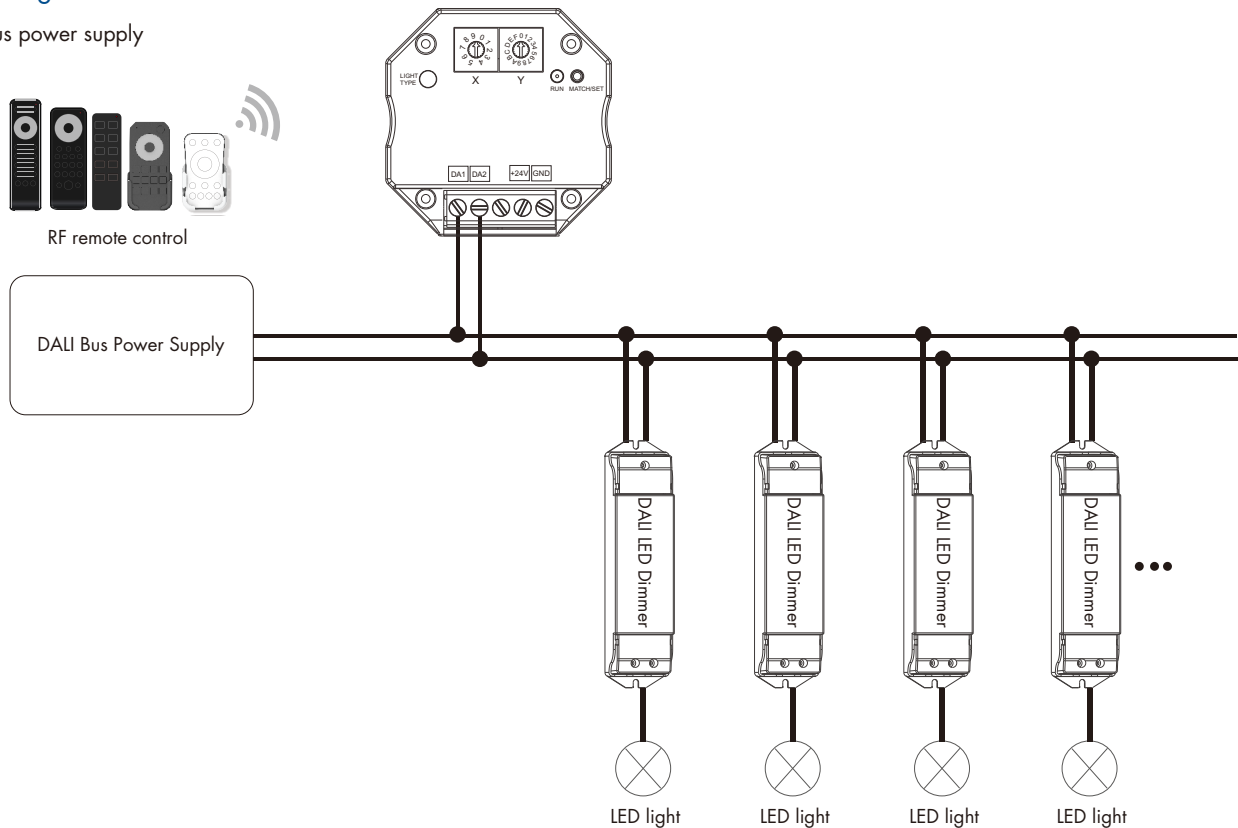
Mechanical Structures and Installations

Rotary coding switch for setting DALI address

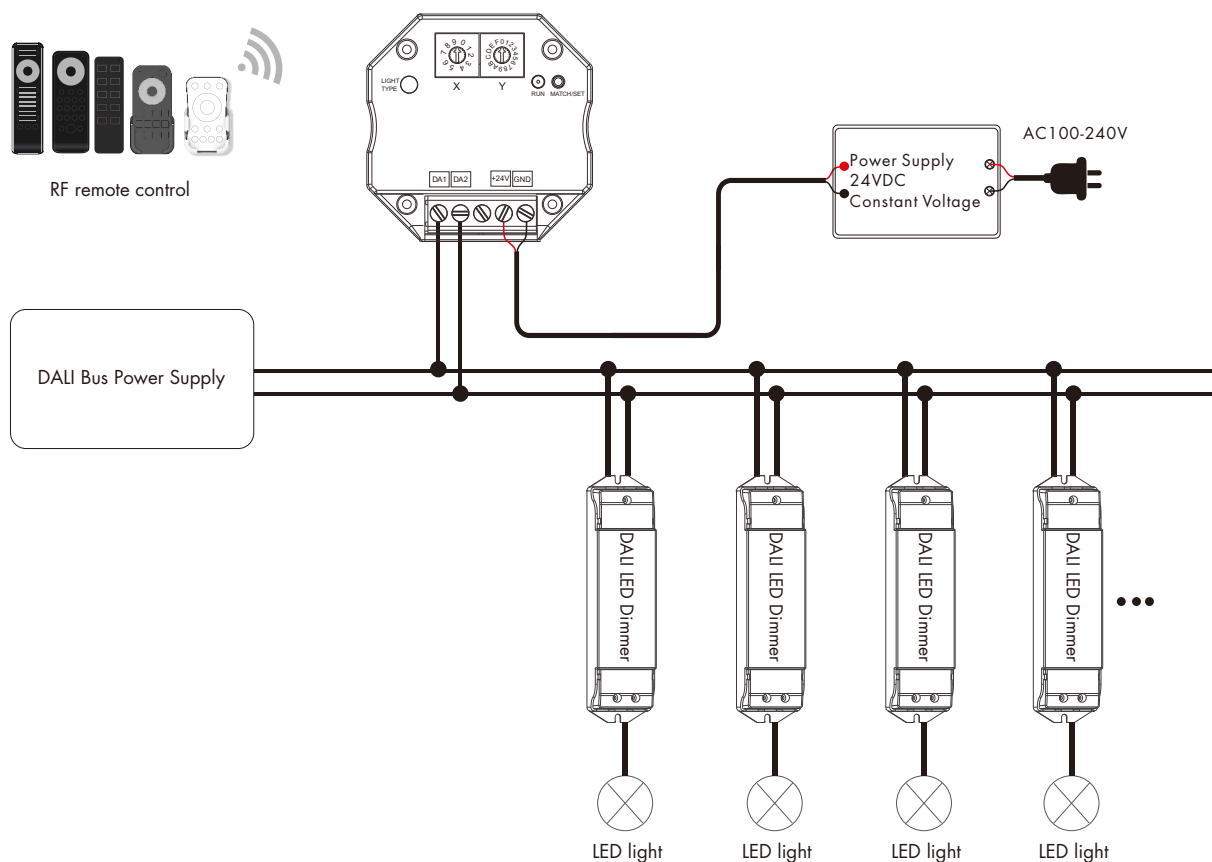


Wiring Diagram

1. DALI bus power supply



2. 24VDC power supply



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:

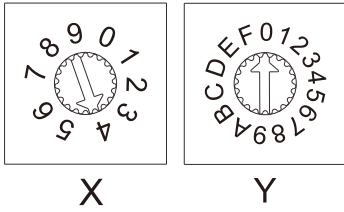
Switch off the power of the receiver, then switch on power, repeat again. Immediately short press on/off key (single zone remote) or zone key (multiple zone remote) 5 times on the remote. The RUN LED indicator blinks 5 times means all matched remotes were deleted.

DAII address setting

Address value = $X * 10 + Y$.

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

Unicast mode



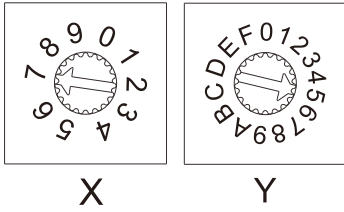
X is 0-6, Y is 0-9.

Address value 0-63 correspond to DAII unicast address 00-63.

For example:

Address value = 40, the unicast address value is 40.

Group mode



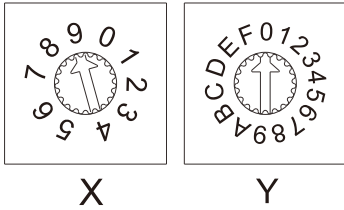
X is 7, Y is 0-F.

Address value 70-7F correspond to DAII 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 |