MiBOXER® | Mi·Light Subordinate New Brand

DALI Signal Converter(WiFi to DALI)

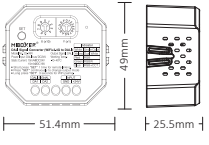
Model No.: DL-WR

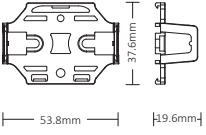
Features

- ●DALI compliant: IEC 62386-101, 102, 207, 208, 209
- ●Supports DT6 dimming, DT8-TC CCT, DT8-RGB, DT8-RGBW
- ●Built-in 18 dynamic mode with jumping, gradually changing(only for 2.4G remote control)
- ●Auto-forwarding: Automatically forward the remote control signal to another controller, making the remote control distance infinite
- ●Automatic synchronization: The same dynamic mode is automatically synchronized, so that the mode is always consistent
- ●Have DND function, usually used in power failure area and save power
- ●Support TUYA SMART app control
- ●Support third party voice control like Alexa, Google assistant,Yandex Alice, Tmall Genie,Baidu and Xiaomi

Parameters

Name:	DALI Signal Converter(WiFi to DALI)
Model No.:	DL-WR
Power Input:	DALI Bus/ DC24V
Standby Power:	10mA@DC24V/ 15mA@DC16V
DALI Standard:	IEC 62386
Protocol:	WiFi to DALI
RF Control distance:	RF: 30m
Working Temperature:	-10~40℃



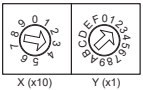


DIN-Rail mounting size:
TS-35/7.5 or TS-35/15
(Purchasing separately)

DALI address setting

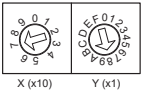
Address Value =Left rotating switch value X (x10) +Right rotating switch value Y
For example, left X value is 3, right Y value is 2, address value= 3*10+2=32

Unicast mode



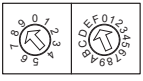
X is 0-6 , Y is 0-9
Encoded value 0-63 is equal to DALI unicast address 00-63
For example, address value is 32, DALI unicast address is 32

Group mode



X is 7, Y is any figure between 0-F ,
Encoded value 70-7F is equal to DALI group address 0-15.
For example, address value is 78, DALI group address is 8

Broadcast mode



X is 9, Y is any figure between 0-F, address value
90-9F is equal to broadcast address

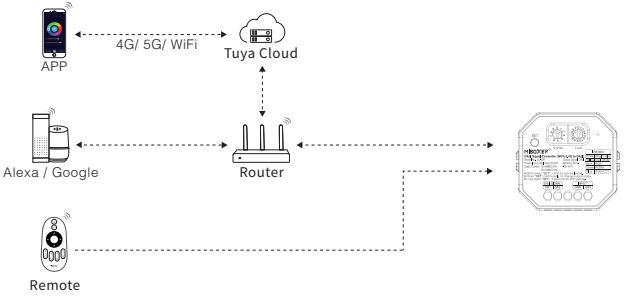
Light type settings

Indicator		DALI Type
White	Single Color	DT6
Yellow	Dual White	DT8 Tc
Red	RGB	DT8 RGBWAF
Green	RGBW	DT8 RGBWAF
Blue	RGB+CCT	DT8 RGBWAF

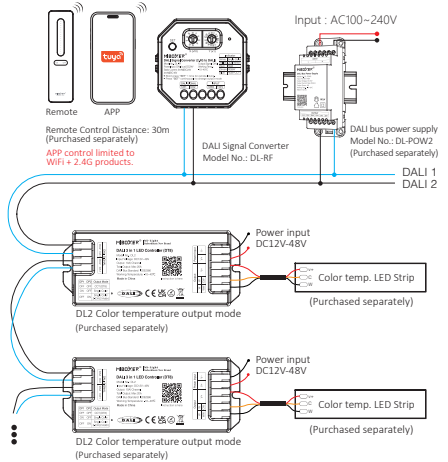
Please press “SET” button to select output type before using it.

For example, short press “SET” button continuously to select CCT type and indicator is yellow color

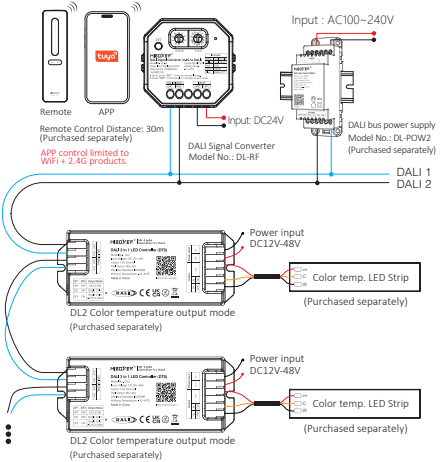
Application Diagram



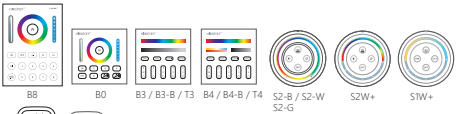
Wiring Diagram 1 (DALI bus power supply)



Wiring Diagram 2 (24VDC power supply)

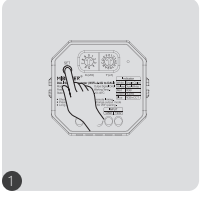


Compatible with these 2.4G RF remote controls (Purchased separately)



2.4G RF Remote control instruction

Linking Code Instructions



1

Short press "SET" button once

2

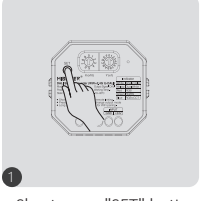
Short press " I " button 3 times within 3 seconds.

3

Lights blink 3 times slowly means linking is done successfully.

Linking failed if light is not blinking slowly, Please follow above steps again. (Note: Light that have linked can't link again)

Unlinking Code Instructions



1

Short press "SET" button once

2

Short press " I " button 5 times within 3 seconds.

3

Lights blink 10 times quickly means unlinking is done successfully.

Unlinking failed if light is not blinking quickly, Please follow above steps again. (Note: Light haven't linked that don't need to unlink)

Dynamic mode table selection (only for remote control)

Select dynamic mode table 1:
While the light is in static mode, short press **" S+ "** button 5 times quickly until blue light flashes 3 times slowly, static mode is activated successfully.

Select dynamic mode table 2:
While the light is in static mode, short press **" S- "** button 5 times quickly until yellow light flashes 3 times slowly, static mode is activated successfully.

Dynamic mode table 1 (default)

Number	Dynamic Mode	Brightness / Saturation / Speed
1	Mardi Gras	Adjustable
2	Automatic color change	
3	Sam	
4	Gemstone	
5	Twilight	
6	American	
7	Fat Tuesday	
8	Party	
9	Slow Color Splash	

Dynamic mode table 2 (need to switch manually)

Number	Dynamic Mode	Brightness / Saturation / Speed
1	Seven colors gradual change	Adjustable
2	White light Gradual change	
3	RGB gradual change	
4	Seven colors jump to change	
5	Jump to change randomly	
6	Red light gradual change +Flash 3 times	
7	Green light gradual change +Flash 3 times	
8	Blue light gradual change +Flash 3 times	
9	White light gradual change +Flash 3 times	

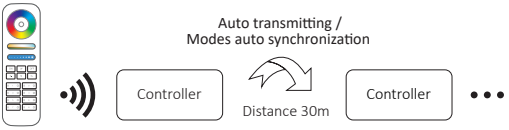
Auto transmitting & Synchronization (only for remote control)

Remote signal auto transmitting

One light can transmit the signals from the remote control to another light within 30m, as long as there is a light within 30m, the remote control distance can be limitless.

Dynamic modes auto synchronization

Multi lights can synchronize if they are in same dynamic mode and linked with same remote (distance between each light is within 30m)



Turn Do Not Disturb mode on and off (ON by default)

Turn on “Do Not Disturb” (applicable to areas with frequent power outages to save energy)

Turn on Do Not Disturb mode:

Short press the "OFF" button 3 times within 3 seconds, and then short press the "ON" button 3 times. The light flashes 4 times to indicate success.

Note: When the lamp is powered on again after a power outage, its status (lights on or off) will remain the same as before the power outage.

Turn off Do Not Disturb mode:

Short press the "ON" button 3 times within 3 seconds, and then short press the "OFF" button 3 times. The light flashes 4 times slowly to indicate successful shutdown.

Note: When the lamp is powered on again after a power outage, its status will be on by default.

Smartphone app control instruction

Network Configuration (Don't support 5G router)

1). Download and install [Tuya Smart] app

Search for [Tuya Smart] in Apple or Google store or scan following QR code to download and install the app.

Please open the app click " Register " button to create account while using it in the first time, Log in directly if you already had account.

2). Network Configuration

(1) Connect controller with power supply.

(2) Confirm indicator light is flashing quickly (2 flashes per second),
If indicator light isn't in fast flashing state, there are two ways to enter:

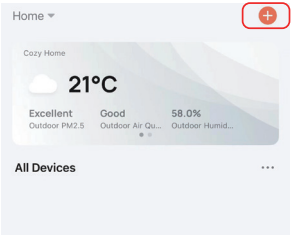
- Long press " LINK " key until indicator light flashing quickly.
- Power off and on controller 6 times.

(3) Connect phone with home WiFi network in the 2.4GHz frequency.

(4) Open homepage of app and click " + " button at the upper right corner of page.

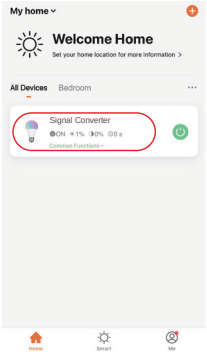
(5) Click " Lighting " on the left side of page and then click " Light Source (BLE+Wi-Fi) "

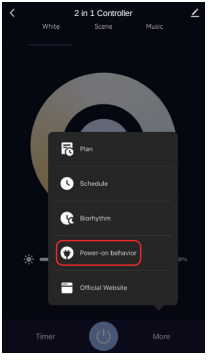
(6) Follow app prompts to complete configuration.

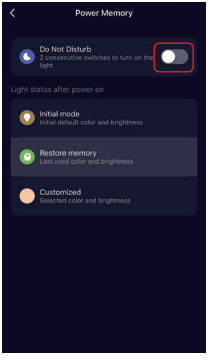


App turn on and off “Do Not Disturb” mode (default activated)

Click the light which need to be set up or group control --- click “More” --- click “Power-on behavior” --- turn on or off



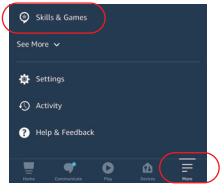




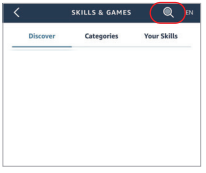
Alexa voice control instruction

Please add device into **[Tuya Smart]** app, then start following steps

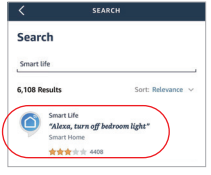
1). Open Alexa App
2). Click “More” on the bottom of right corner
3). Click “Skills & Games”



4). Click “ ” on the top of right corner
5). Type into “Smart life” and search



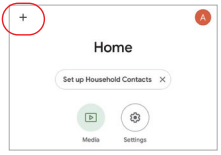
6). Click “Smart Life” skill, follow instruction to finish configuration and start voice control



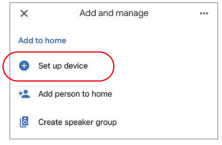
Google Home voice control instruction

Please add device into **[Tuya Smart]** app, then start following steps

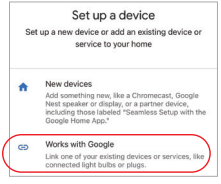
1). Open Google Home App
2). Click “+” on the top of left corner



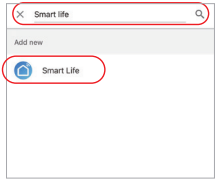
3). Click “Set up device”



4). Click “Works with Google”



5). Click “ ” on the top of right corner
6). Type into “Smart life” and search
7). Click “Smart Life” skill, follow instruction to finish configuration and start voice control



Notice

1. Please check whether the voltage of the power supply is in accordance with the light, and please check the connection of both the cathode and anode, otherwise the light will be broken.
2. Please don't connect wires with power on. Please turn on again only when it is in right connection and no short circuit.
3. Non-professional user cannot dismantle the lighting fixtures directly.
4. Please do not use the light in the place with widely range metal area or strong electromagnetic wave nearby, otherwise, the remote distance will be seriously affected.

Dimmer can not
use in humid area

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