MiBOXER® | Mi·Light Subordinate New Brand

8-Channel 2 Wires 2 in 1 LED Controller (Zigbee 3.0+2.4G)

Model: LC4-ZR

Features

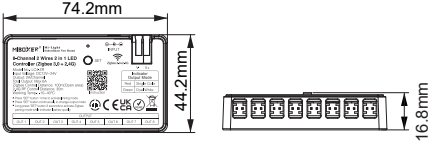


- Zigbee 3.0 + 2.4Ghz wireless transmitting
- DuPont quick connectors for connecting up to 8 LED strips
- Color temperature, brightness dimmable
- 4096 level smooth dimming, mini brightness 0.1%, dimming range 0.1%-100%
- One controller support max 12pcs remote (control distance 30m)
- Auto transmitting: transmit signal to another one automatically and expand unlimited control distance
- Support DND mode and usually used for power failure area to save power
- Support "TUYA SMART" APP control (Zigbee 3.0 gateway is needed)
- Support Alexa, Google Assistant, Yandex Alice (Zigbee 3.0 gateway is needed)

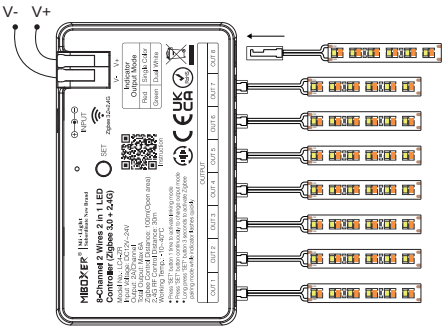
Parameters

Product Name:	8-Channel 2 Wires 2 in 1 LED Controller
Model No.:	LC4-ZR
Input Voltage:	DC12~24V
Output Current:	2A/ Channel, Max 6A
Output Type:	Constant Voltage
Protocol:	Zigbee 3.0+2.4GHz RF
Control Distance:	Zigbee: 100m (Open Area) RF: 30M
IP Rate:	IP20

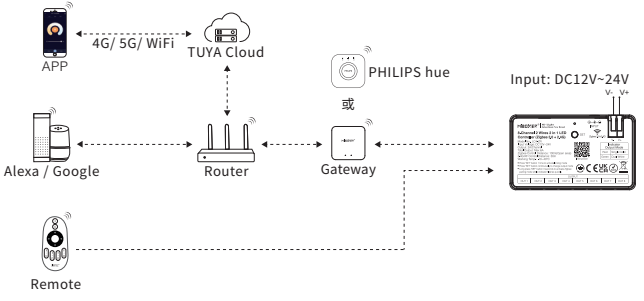
Working Temp.:	-10~40℃
EMC Standard (EMC):	ETSI EN 301 489-1 V2.2.3 ETSI EN 301 489-3 V2.1.1
Safety Standard (LVD) :	EN 61347-2-11: 2001+A1: 2019 EN 61347-1: 2015+A1:2021 EN 62493: 2015+A1:2022
Radio Equipment (RED):	ETSI EN 300 440 V2.2.1
Certification:	CE, EMC, LVD, RED



Connection Diagram



Application Diagram



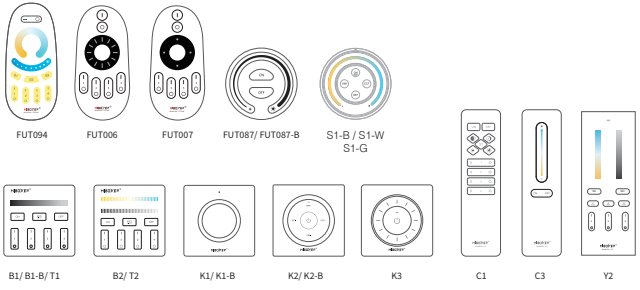
Set up output mode

Set up correct output mode based on the feature of lights
Setting method: Press "SET" button continuously to switch output mode (attention: it will log out without operation within 3 seconds)

Output mode sheet (confirm output mode based on color of indicator)

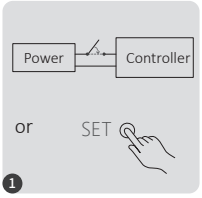
Indicator color	Red Light	Green Light
Output	Single Color Mode	2 Wires Dual White Mode

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

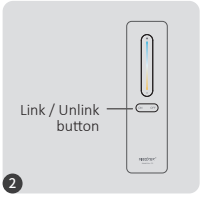


2.4G RF Remote control instruction

Linking Code Instructions



Power off 10 seconds and power on again or short press " SET " one time



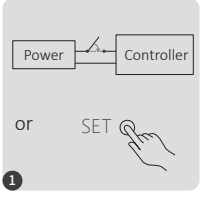
Short press " ON " button 3 times within 3 seconds.



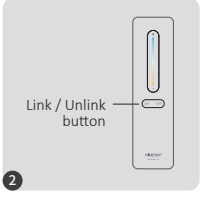
Lights blink 3 times slowly means linking is done successfully.

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



Power off 10 seconds and power on again or short press " SET " one time



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

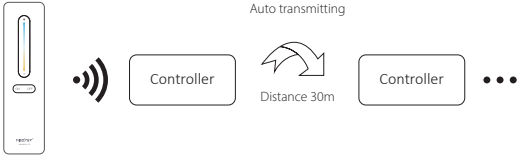


Lights blink 10 times quickly means unlinking is done successfully.

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

Transmitting function instruction

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



Attention: All "LED Driver" must be linked with one remote.

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

Added Zigbee 3.0 gateway into “Tuya Smart” App (please review instruction of Zigbee 3.0 gateway)

1). Connect with power supply.

2). Pairing network (attention: factory default is pairing network).

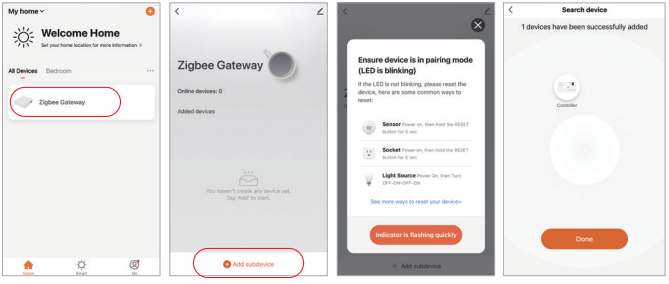
Way one: Turn off and turn on light 6 times or over 6 times continuously, the light is in breathing status.

Way two: Long press " LINK " key until indicator light flashing.

3). Open “**Tuya Smart**” APP to click Zigbee gateway, then click “**Add sub device**”.

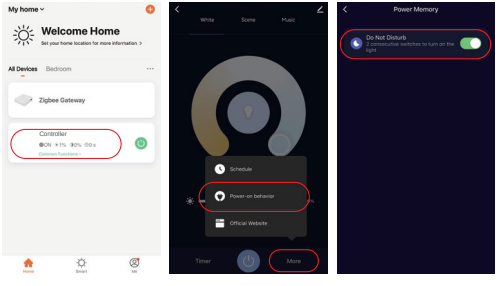
4). Click “**Indicator is flashing quickly**”.

5). Support APP dimming or group control and etc once added successfully.



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



Philips Hue control instruction

Added “Philips Hue” into APP

1). Connect with power supply

2). Pairing network (attention: factory default is pairing network)

Way one: Turn off and turn on light 6 times or over 6 times continuously, the light is in breathing status.

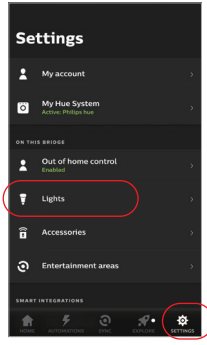
Way two: Long press " SET " key until indicator light flashing.

3). Open “Philips Hue” App to click “SETTINGS” and click “Lights”

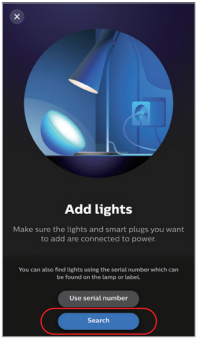
4). Click “+” on the top of right corner

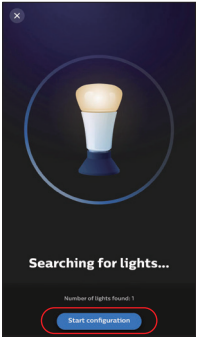
5). Click “Search”

6). Click “Start configuration”, Follow the app instruction to complete configuration









Alexa voice control instruction

1). Alexa control (Audio support Zigbee 3.0 protocol)

You can connect directly if your Amazon ECHO already is built-in zigbee 3.0 protocol, following model with zigbee 3.0 protocol:

Amazon ECHO Plus (2nd Gen), ECHO (4th Gen), ECHO Studio, ECHO Show (2. Gen)

1). Connect with power supply

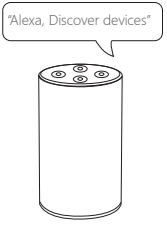
2). Pairing network (attention: factory default is pairing network)

Way one: Turn off and turn on light 6 times or over 6 times continuously, the light is in breathing status.

Way two: Long press " SET " key until indicator light flashing.

3). Say to Amazon ECHO "Alexa, Discover devices"

Wait for a while to discover device, Voice control is activated



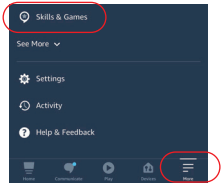
2). Alexa control (Audio don't support Zigbee 3.0 protocol)

Please add device into Miboxer Zigbee 3.0 gateway if your Alexa don't support zigbee 3.0 protocol , then start following steps

1). Open Alexa App

2). Click "More" on the bottom of right corner

3). Click "Skills & Games"

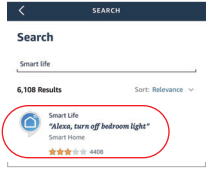


4). Click " 🔍 " on the top of right corner

5). Type into "Smart life" and search



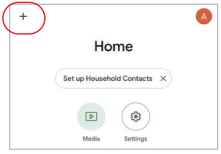
6). Click "Smart Life" skill, follow instruction to finish configuration and start voice control



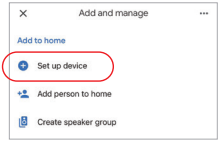
Google Home voice control instruction

Please add device into MiBoxer Zigbee 3.0 gateway (check details in page 6) and start following steps

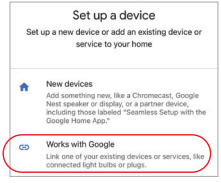
1). Open Google Home App
2). Click “+” on the top of left corner



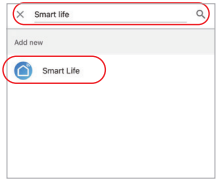
3). Click “Set up device”



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



Attention

1. Please turn off power supply before installation.
2. Please ensure input voltage to be same as requirements from device.
3. Don’t disassemble device if you are not expert, otherwise it will damage it.
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.

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