MiBOXER®

Mi·Light
Subordinate New Brand

4 IN 1 Smart LED Controller

Model No.: LS1

01 Features

4 in 1 (Single Color & CCT & RGB & RGBW) LED controller is our newly developed high-end LED controller, controlled by wireless remote controller. The controller has auto-transmitting and auto-synchronizing function and with brightness(LEd1), CCT(LEd2), RGB(LEd3) and RGBW(LEd4) output mode. This controller adopt the widely used 2.4GHz wireless technology with the features of low power consumption, long signal transmitting and strong anti-interference,etc. One compatible remote control many controllers at the same time. Widely used on the controlling of hotel lighting and home lighting.

02 Parameters

Model No.: LS1
Input Voltage: DC12V~24V
Output: 6A/Channel
Total Output Max: 15A
Working Temp.: -10~40°C

RF:2.4GHz
Control Distance: 30m
Connection: Common anode
Size: 138*35*23mm
Weight: 62g

23mm

138mm

35mm

03 Functions

1. Display function Instruction
This controller adopt 4 bits digital tube to show the output mode, ID number and Group number.

(1) Display LEd1-4 (Output Mode)
LEd1: Indicate 1 channel output, compatible to single color LED strip, brightness dimming.
LEd2: Indicate 2 channels output, compatible to CCT LED strip, brightness dimming and CCT adjustable.
LEd3: Indicate 3 channels output, compatible to RGB LED strip, color changing and brightness dimming.
LEd4: Indicate 4 channels output, compatible to RGBW LED strip, color changing and brightness dimming.

(2)Display 0000: Indicate the current controller ID number.

(3)Display CH00: Indicate the current Group Number.

2. Function of keys
K1 Key Button:
Short press K1 once, digital tube show current status and it will last 5 seconds, then short press K1 once again, switch to next status and it will last 5 seconds.
Long press K1 once, come into the edit mode of current status, then long press K1 once again, cancel the edit mode. under the edit mode, short press K1, switch to next edit mode.
IE: Digital tube show 1234.
When come to edit mode, 1 blinking means 1 can be edited, press K2 to modify the data. Short press K1 to next edit number, 2 will blink to edit as same as previous process. When any digital tube blinking means this number can be edited, press K2 to modify the data.
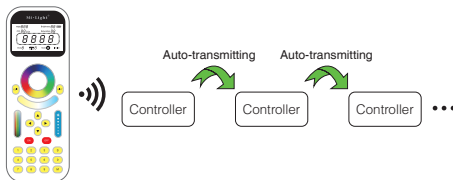
K2 Key Button
Under the number edit mode, this number will blink, short press K2 to modify the data. K2 is available only under the number edit mode.
Remark: K1 and K2 can adjust the output mode, any group number and ID number.Remote controller just can edit the group number.
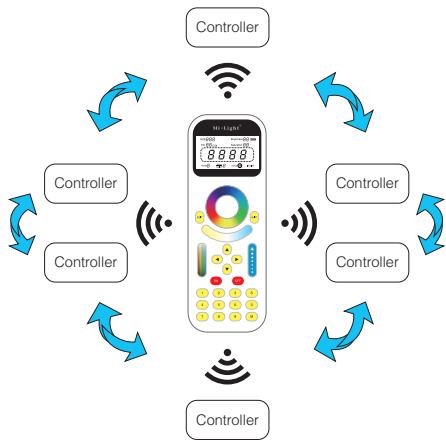
3. Controller Auto-transmitting & Auto-synchronization function

Auto- transmitting: One controller can transmit the signals from the remote control to another controller within 30m, as long as there is a controller within 30m, the remote control distance can be limitless.

Auto-transmitting   Auto-transmitting

Controller   Controller   Controller   • • •

Auto-synchronization: Different controllers can work synchronously when they are started at different times, controlled by the same remote, under same dynamic mode and with same speed.

Remark: 1. ⟳ Indicating Auto-transmitting.
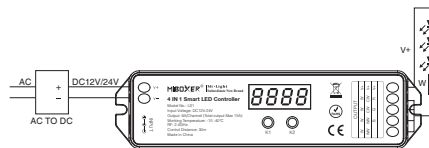2. Controller will be auto-synchronizing in the same dynamic modes and within 30m controlling distance.

4. Dynamic Mode Sheet

(LEd1 / LEd2 / LEd3 / LEd4)

Number	Dynamic mode		Brightness & Speed
	LEd1&LEd2	**LEd3&LEd4**	
1	White gradual change	colors gradual change	
2	White jump to change	White gradual change	
3	White flicking change	RGB color gradual change	
4	White Gradual + Jump to change	7 colors jump to change	
5	NC	Random jump to change	Adjustable
6	NC	RED Gradual + Jump to change	
7	NC	Green Gradual +Jump to change	
8	NC	Blue Gradual + Jump to change	
9	NC	White Gradual + Jump to change	

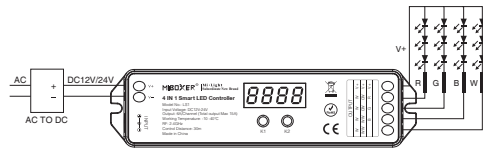## 04 Controller connect to LED strip diagram

Controller connect to Single Color LED strip diagram

Controller connect to CCT LED strip diagram

Controller connect to RGB LED strip diagram

Controller connect to RGBW LED strip diagram

05 Link&Unlink

Compatible with FUT090 remote controls (Purchased separately)

⚠️ Controller can be working after linking with remote; for more details, please read the remote instruction.

FUT090

06 Attention

1. Please check whether the input voltage of the constant voltage power supply is in accordance with the controller, and please check the connection of both the cathode and anode, otherwise the controller 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. Please do not use the controller 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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