Manual Instruction

5 IN 1 Smart LED Controller

Model No.: LM051

Introduction

5 in 1 (Single Color&CCT&RGB&RGBW&RGB+CCT) smart strip controller is our newly developed high-end LED controller controlled by wireless remote controller, also with smart phone control and 4G long distance control (2.4GHz gateway is needed). The controller has auto-transmitting and auto-synchronizing function and with brightness, CCT, RGB, RGBW and RGB+CCT 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.

Pilot Lamp   Switch output mode button

Pilot lamp showing instruction

Pilot Lamp Color	Output Mode
White Light	Single Color Mode
Yellow Light	Dual White Mode
Red Light	RGB Mode
Green Light	RGBW Mode
Blue Light	RGB+CCT Mode

Technical Data

Model No.: LM051
Working Temperature: -20~60℃
Input Voltage: DC12V~24V
Output: 6A/Channel
Total Output Max: 15A
Connection: Common anode

RF: 2.4GHz
Control Distance: 30m
Size: 122*38*22mm
Weight: 70g

Input 1   Input 2

122mm

38mm   22mm

Remote Controller

Compatible with these remote controls (Purchased separately).
For more details, pls read the remote instruction.

RC03RF   RC03RFB   RC02RF   RC02RFB   RC01RF   RC01RFB

RC0(4/5)RF   RC0(4/5)RFB

WR01RF   WR02RF

LM087
Only for single color
LED controller

⚠ Lighting can be working after linking with remote; for more details, pls read the remote instruction.
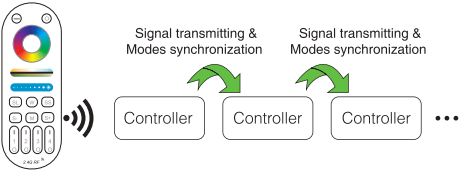
Signal transmitting

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

Modes synchronization

Different lighting fixture can work synchronously when they are started at different times, controlled by the same remote, under same dynamic mode and within 30m distance.
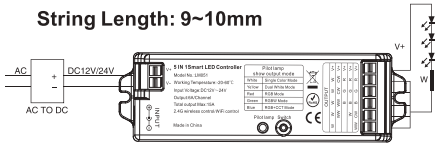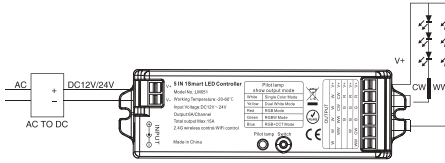

Signal transmitting & Modes synchronization

Signal transmitting & Modes synchronization

Controller   Controller   Controller   • • •

Dynamic Mode Sheet

Number	Dynamic Mode	Brightness/Speed	Saturation Control	Compatible Output Mode		
				Single Color	Dual White	RGB&RGBW&RGB+CCT
1	Single Color Blinking	Adjustable	No	√	√	√
2	Seven Colors Change Gradually			x	x	√
3	White Color Chage Gradually			√	√	√
4	Red,Green,Blue,White Color Change Gradually			x	x	√
5	Red,Green,Blue,White Color Jump to Change			x	x	√
6	Seven Colors Jump to Change Randomly		Yes	x	x	√
7	Red Color Change Gradually+Jump to Change		No	x	x	√
8	Green Color Change Gradually+Jump to Change			x	x	√
9	Blue Color Change Gradually+Jump to Change			x	x	√
10	Single Color Change Gradually+Jump to Change			√	√	x

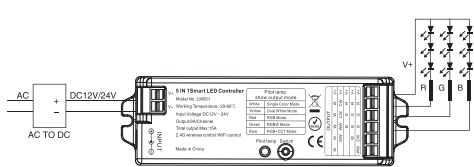# Controller connect to LED strip diagram

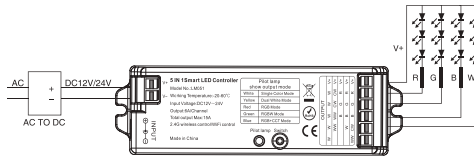## String Length: 9~10mm

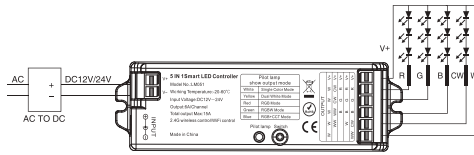Controller connect to Single Color LED strip diagram

Controller connect to CCT LED strip diagram

Controller connect to RGB LED strip diagram

Controller connect to RGBW LED strip diagram

Controller connect to RGB+CCT LED strip diagram

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 .
4. When the device load to 15A,wire diameter must be over 1.5mm^2

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