




MiBOXER Waterproof 5-in-1 LED Controller LS2-WP Instruction Manual

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Mi-Light
Subordinate New Brand
Waterproof 5-in-1 LED Controller
Model No.: LS2-WP

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Features

This product is a waterproof LED controller suitable for outdoor use. It has brightness, color temperature, RGB, RGBW, and RGB+CCT output modes, and is controlled by RF remote controller.

	Support third party voice control (2.4GHz gateway is needed)
	Smartphone APP control (2.4GHz gateway is needed)
	2.4GHz RF remote control distance 30m
	Signal transmitting & modes synchronization
	DMX512 controllable (DMX512 LED transmitter is needed)
	16 Million colors to choose
	Color temperature 2700K~6500K
	Dim brightness/Saturation
	Waterproof and dustproof grade IP67

Parameters

Model No.: LS2-WP

Input Voltage: DC12V~36V

Output: 6A/Channel

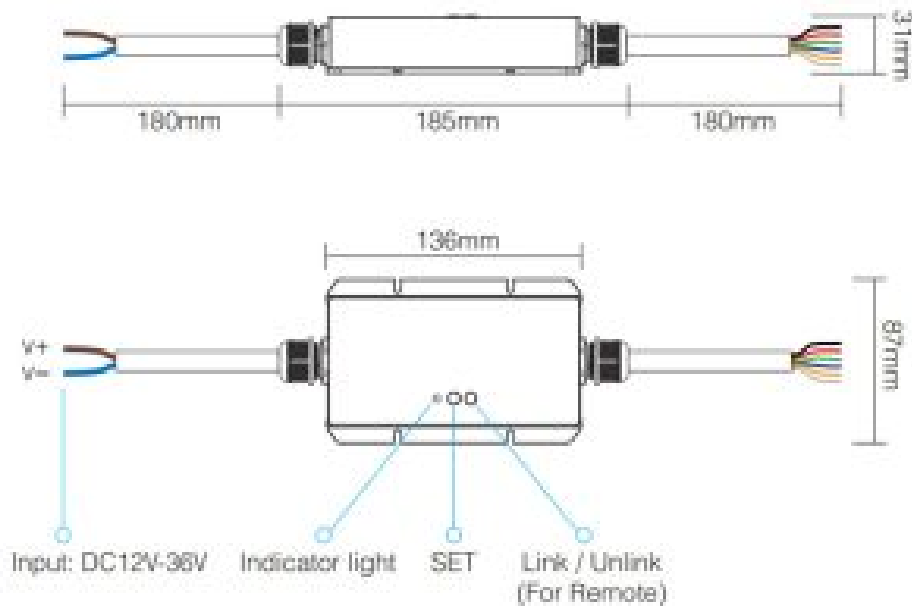
Total Output Max: 20A

RF: 2.4GHz

Remote Control Distance: 30m

Connection: Common anode

Working Temperature: -20~45°C



Function Instruction

Switching Output Mode

Short press the “**SET**” button, indicator lamp change color if switch mode successfully, different colors mean different output mode, details see below sheet.

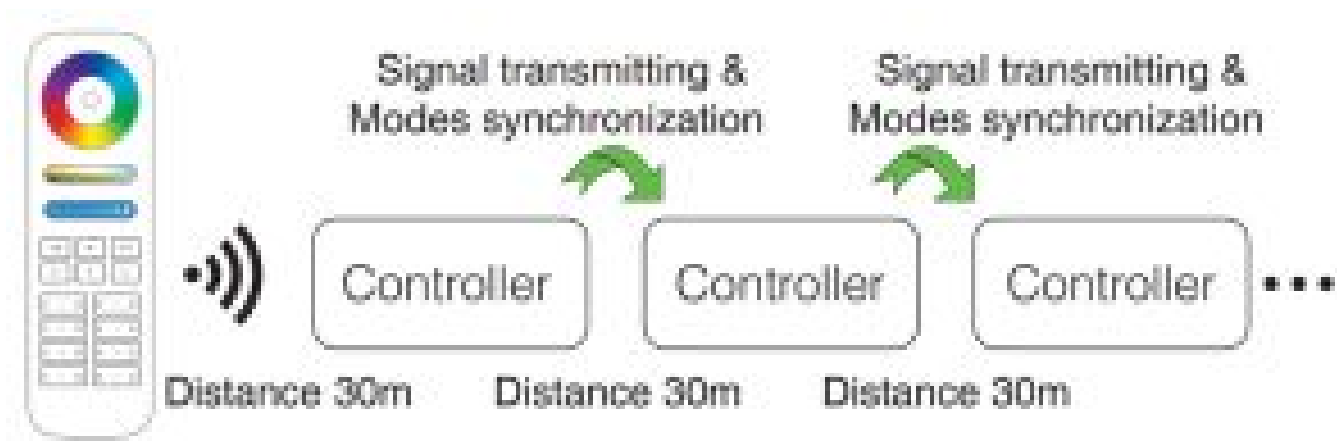
Indicating Light Color	Output Mode
White Light	Single Color Mode
Yellow Light	Dual White Mode
Red Light	RGB Mode
Green Light	RGBW Mode
Blue Light	RGB+CCT Mode

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



Dynamic Mode Sheet

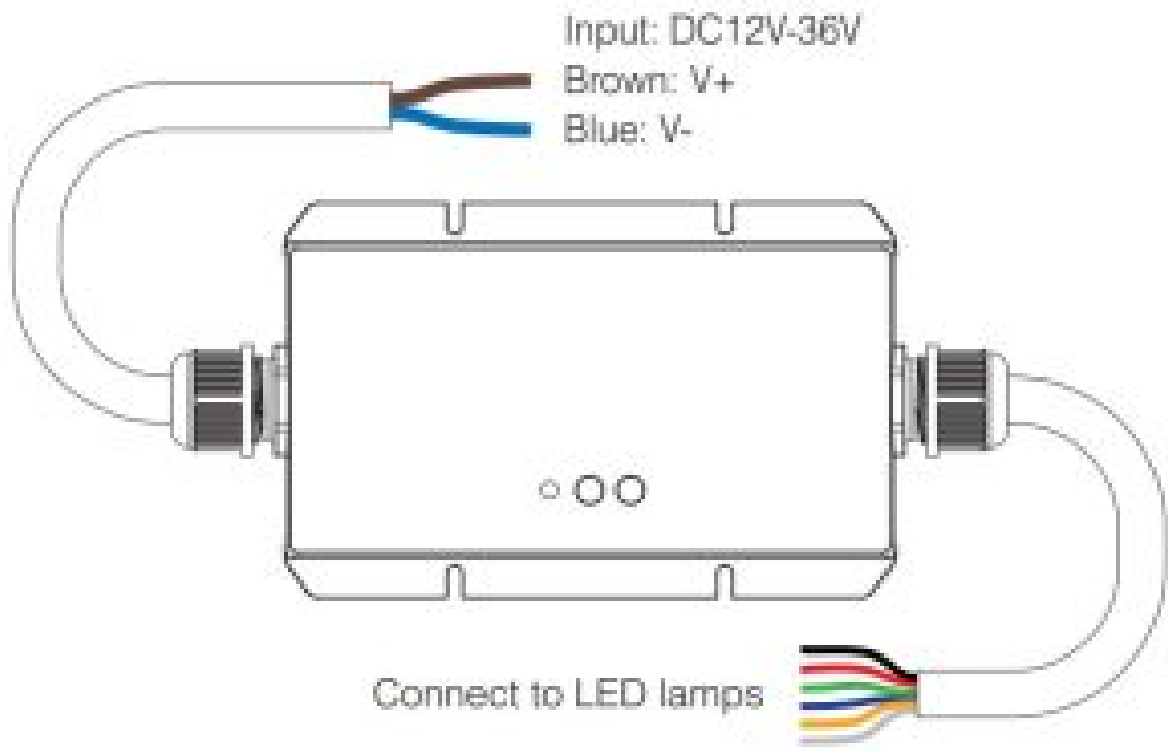
Note: only suitable for RGB/RGBW/RGB+CCT output mode.

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	

Connect diagram



Controller input voltage must be in accordance with the required voltage of LED Strips.

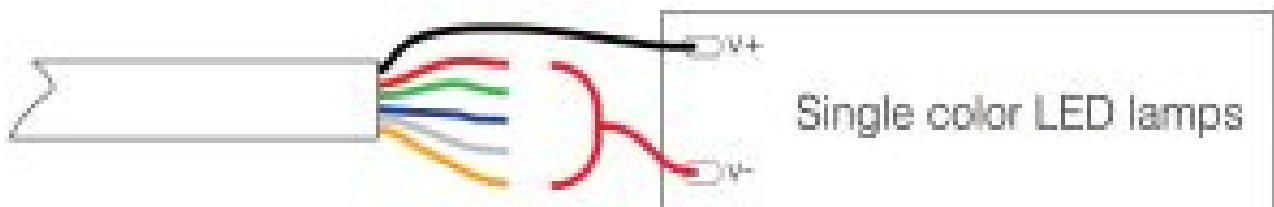


Note: the connection method is different for different output modes. Please connect it according to the below sheet.

Output Mode (LED Wiring)						
Mode Wire	Black	Red	Green	Blue	White	Yellow
Single Color	V+	W	W	W	W	W
Dual White	V+	CW	CW	WW	WW	
RGB	V+	R	G	B		
RGBW	V+	R	G	B	W	
RGB+CCT	V+	R	G	B	CW	WW

Single Color

Output mode connection diagram



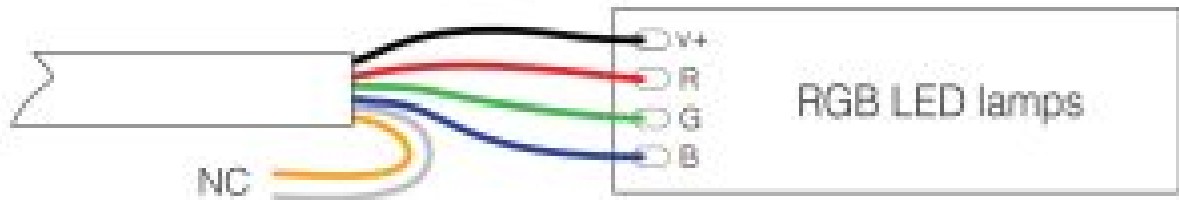
Dual White

Output mode connection diagram



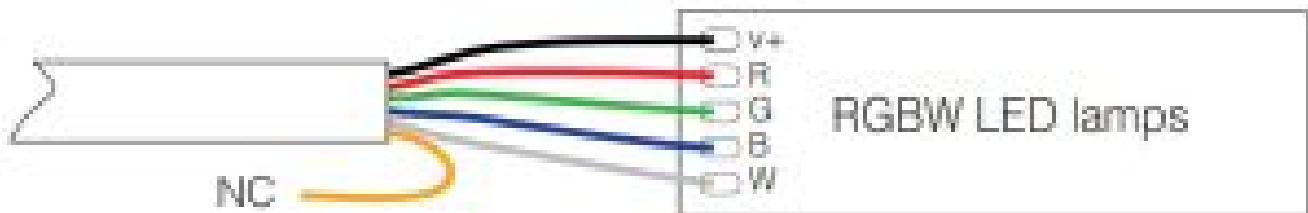
RGB

Output mode connection diagram



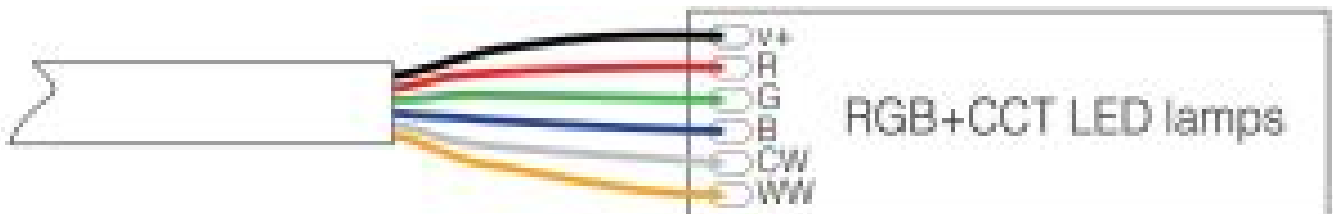
RGBW

Output mode connection diagram



RGB+CCT

Output mode connection diagram



RF Remote Link / Unlink

Link:

1. Short press the " **Link/Unlink** " button once on the LED controller(or switch off the controller power. After 10 seconds, switch on again). The indicator light flashes red and green alternately.
2. Short press the Link/Unlink button on the remote (i.e. " **on** " or " **⏻** ") 3 times within 3 seconds. The green light flashing 3 times slowly means linking successfully.

Unlink:

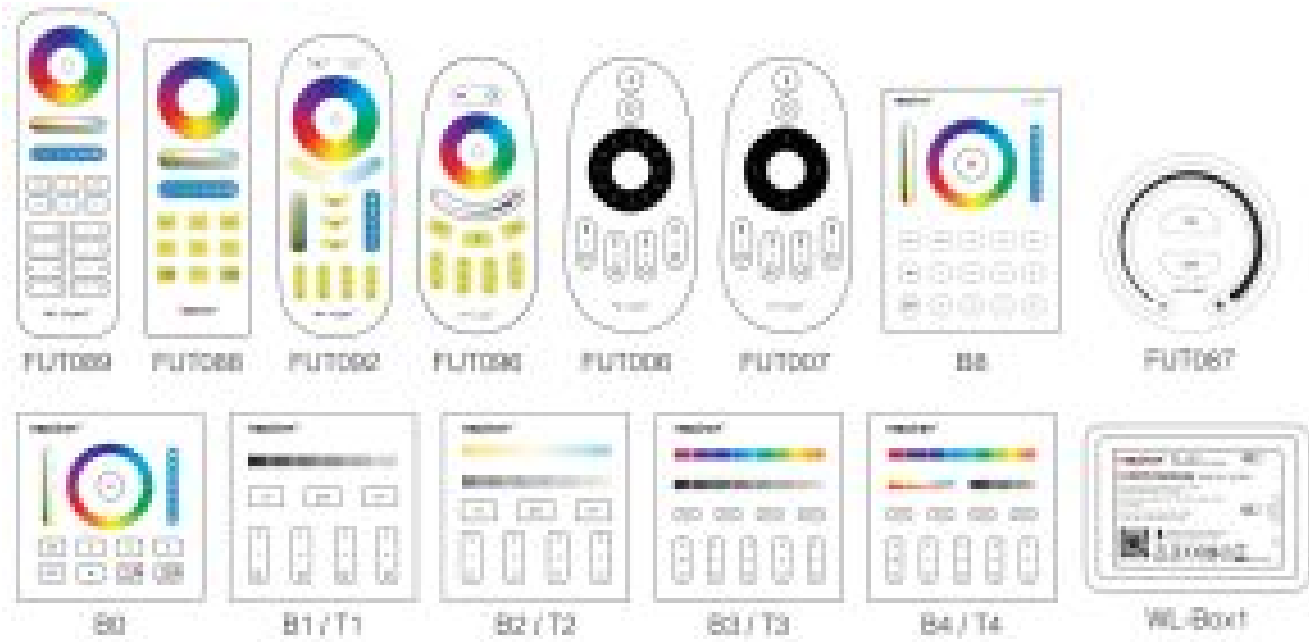
Long press the" **Link/Unlink** " button on the LED controller for 3 seconds. The red light flashing 10 times quickly means unlink successfully. (Or follow the unlinking steps on the remote instruction.)

Note:

Remote controllers need to be purchased separately. For the remote linking and unlinking method, please see

details on remote instruction.

Compatible with these remote controls (Purchased separately)



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.
- 2. Non-professional users cannot dismantle the controller directly, otherwise, it may cause fire and electric shock.
- 3. Please do not use a controller around the mental area and high magnetic field, otherwise, it will badly affect the control distance.



Documents / Resources

	MiBOXER Waterproof 5-in-1 LED Controller LS2-WP [pdf] Instruction Manual MiBOXER, Waterproof, 5-in-1, LED, Controller, LS2-WP
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