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MiBOXER WiFi LED Controller WL5-WP User Manual

Mi-light
Subordinate New Brand
Waterproof 5 in 1 WiFi LED Controller
Model No.: WL5-WP

Contents

Features

This product is a waterproof LED controller suitable for outdoor use. It has brightness, color temperature, RGB, RGBW, and RGB+CCT output modes. Built-in WiFi module and 2.4GHz RF communication module. Support Smartphone APP (MiBoxer) and RF Remote control.

WiFi	WiFi wireless control			16 Millions of colors to choose
	Support amazon alexa and google assistant control			Color temperature 2700K~6500K
	Smartphone APP control			Dim brightness/ Saturation
	Compatible with 2.4GHz RF remote controller			Timing ON/OFF the lights by APP
	Signal transmitting & modes synchronization			Group control randomly by APP
	DMX512 controllable (DMX512 LED transmitter is needed)		IP67	Waterproof and dustproof grade IP67

Parameters

Model No.: WL5-WP
Input Voltage: DC12V~36V
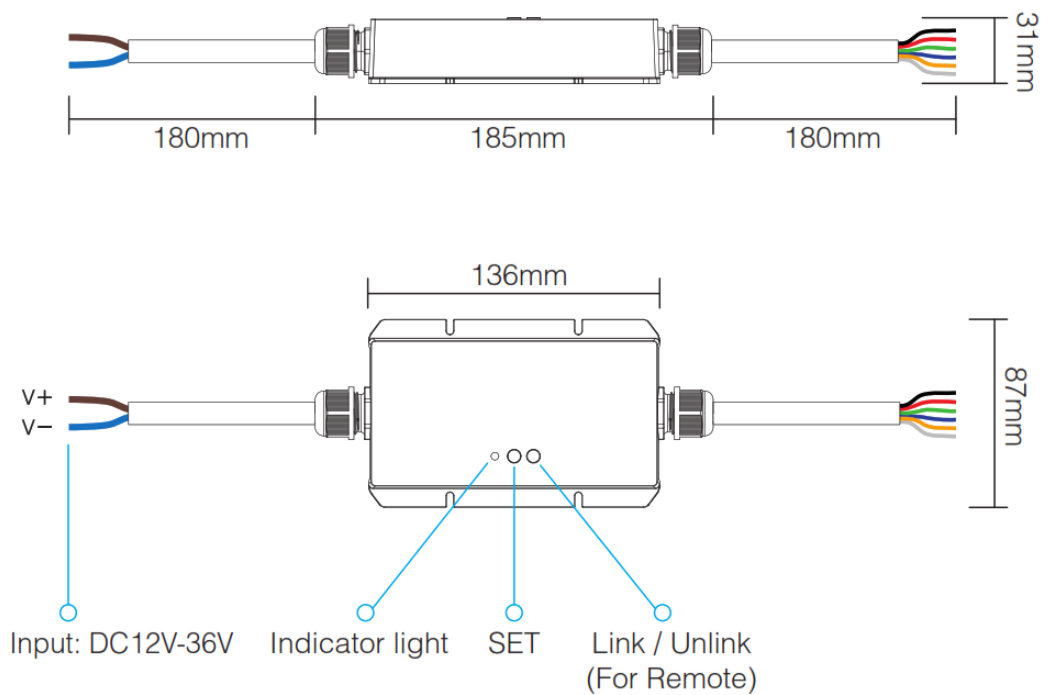Output: 6A/Channel
Total Output Max: 20A
Communication Mode: WiFi-IEEE 802.11b/g/n 2.4GHz
RF: 2.4GHz
Remote control distance: 30m
Working Temperature: -20~45°C

Function Instruction

Switching Output Mode

Short press the" SET " button to switch the output mode; The indicating light flickering means switching successfully; Different colors flickering correspond to different output modes, details see below sheet.

Indicating Light Color	Output Mo
White Light Blinking Quickly	Single Color Mode
Yellow Light Blinking Quickly	Dual White Mode
Red Light Blinking Quickly	RGB Mode
Green Light Blinking Quickly	RGBW Mode
Blue Light Blinking Quickly	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

The 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.
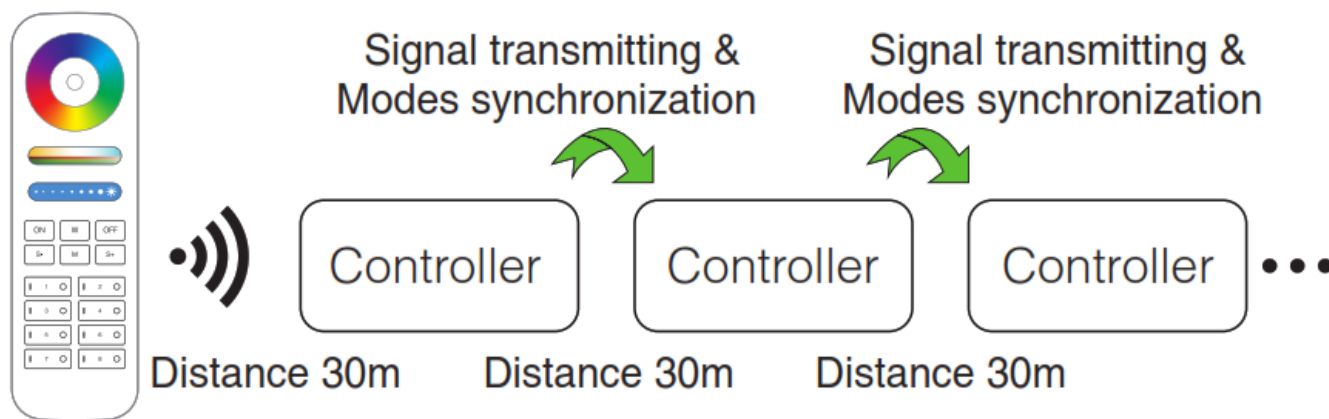
Dynamic Mode Sheet

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

Number	Dynamic Mode	Brightness / Saturation / Speed
1	Mardi gras	
2	Automatic color change	Adjustable
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.

Input: DC12V-36V
Brown: V+
Blue: V-

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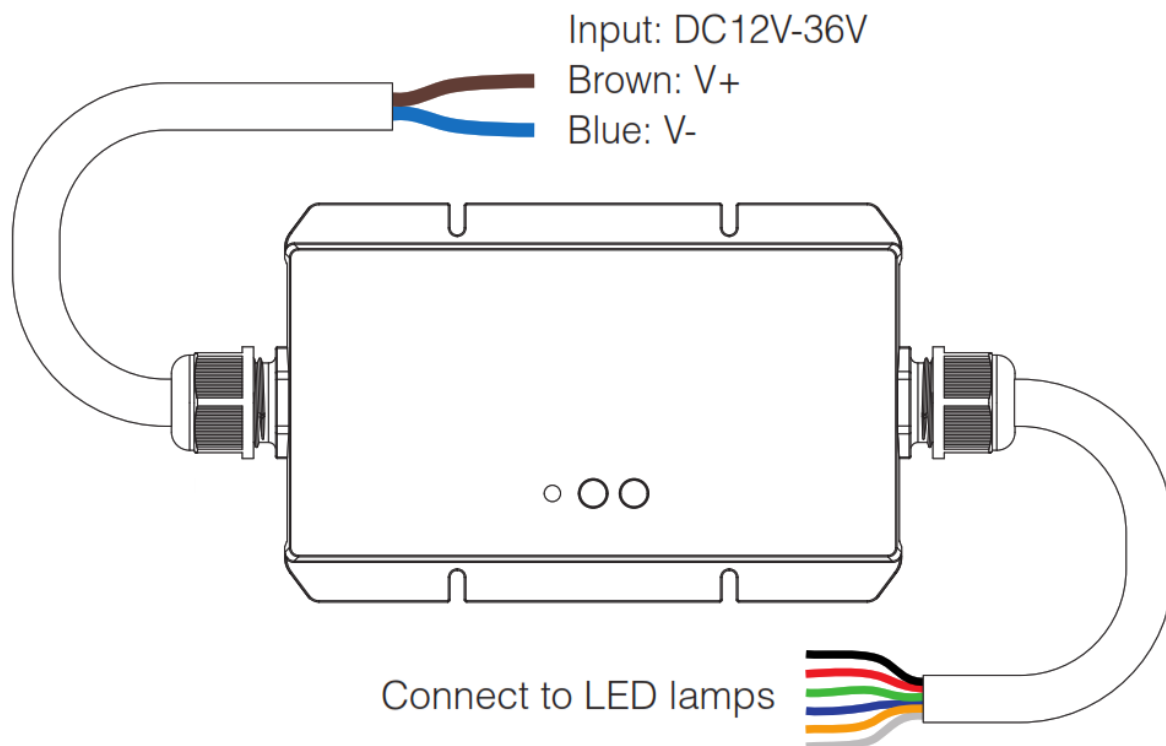
Note: the connection method is different for different output modes. Please connect it according to the below sheet.

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

V+
Single color LED lamps
V-
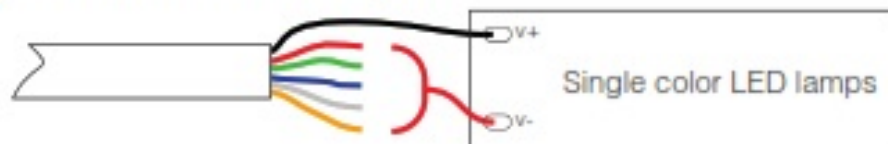
Dual White
Output mode connection diagram

V+
CW   Color temp. LED lamps
WW
NC

RGB
Output mode connection diagram

V+
R
G   RGB LED lamps
B
NC
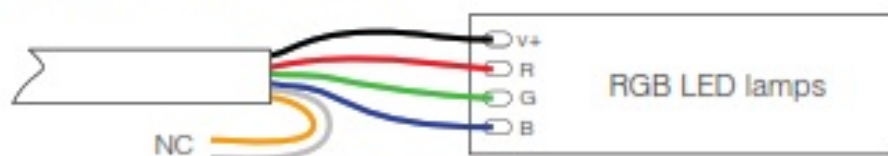
RGBW
Output mode connection diagram

V+
R
G   RGBW LED lamps
B
W
NC

RGB+CCT
Output mode connection diagram

V+
R
G
B   RGB+CCT LED lamps
CW
WW
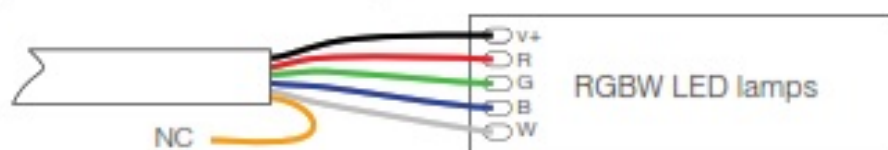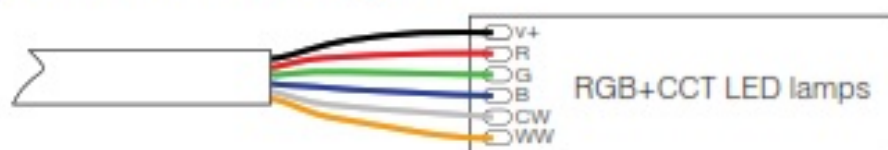
**RF Remote Link / Unlink**

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. " 1″ or "on ") 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)

| FUT089 | FUT088 | FUT092 | FUT096 | FUT006 | FUT007 | B8 |

| B0 | B1 / T1 | B2 / T2 | B3 / T3 | B4 / T4 |
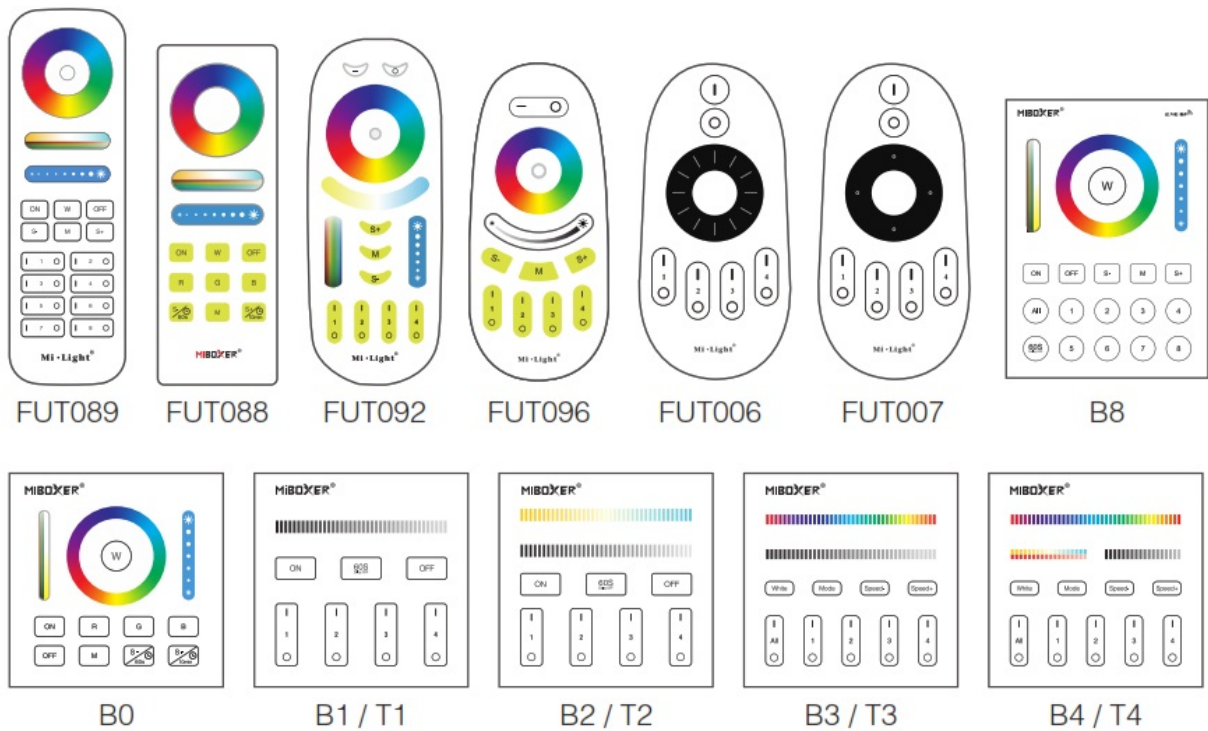
MiBoxer APP Control

1. Long press "SET" three seconds, device go into wifi configuration mode when red indicator blinking.
2. Log in MiBoxer APP and click the " + " on the right top corner, then select "**Waterproof LED controller(WL5-WP)".**
Follow the hints to complete the device adding.
Indicating light instruction:

Red light always-on	Red light blinking	Greenlight always-on	Greenlight linking
Disconnected from network	Smart Link mode	Networking successfully	Received signal

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.

MiBoxer APP User Instruction

APP Downloading
For IOS System: Pls search "MiBoxer" on the APP store. (Above IOS9.0)
For Android System: search "MiBoxer" on Google Play (Above
Android 5.0) or Scan the below QR-code to download APP.
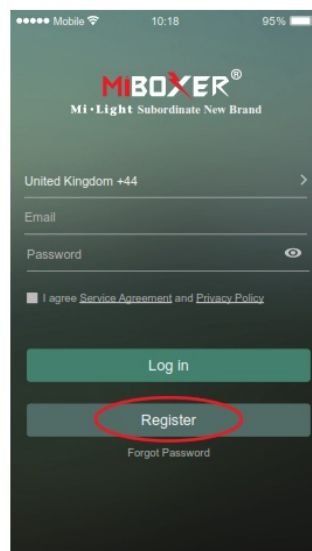

https://**www.futlight.com/app/1.html**
Scan QR Code to Install APP

Register MiBoxer Account
Open APP and click the Register button; Complete the register and log in.

Add Device
1. Click the right top " + " on the device list.
2. Please select the device type you will add, then complete the adding according to the hint of APP.
3. Back to device list after adding successfully, then pull down refresh in the list to get the device status.

Modify device name or delete device

Slide device list to left, click " Edit " to modify device name; Click " Delete " to delete the device.

Note: If the device was shared with others, then the device will also be deleted from your friends' device list.
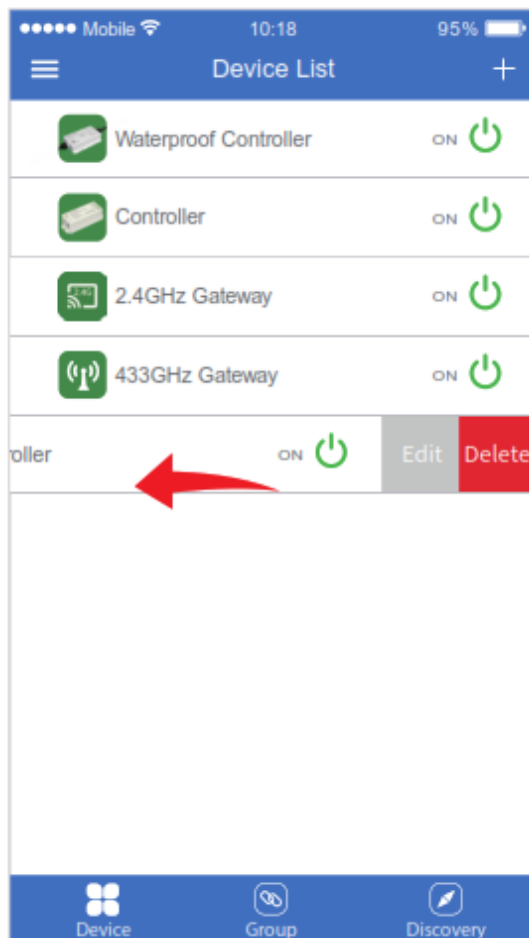
Group Control

1. Click ⊘ to switch to Group list, then click the right top 🐾 icon on the Group list to create groups.

2. Slide the Group list to the left to Edit / Delete groups.

Note: The group just works on APP Controlling, cannot work on Voice control. Please open a third-party APP for Group Voice control.
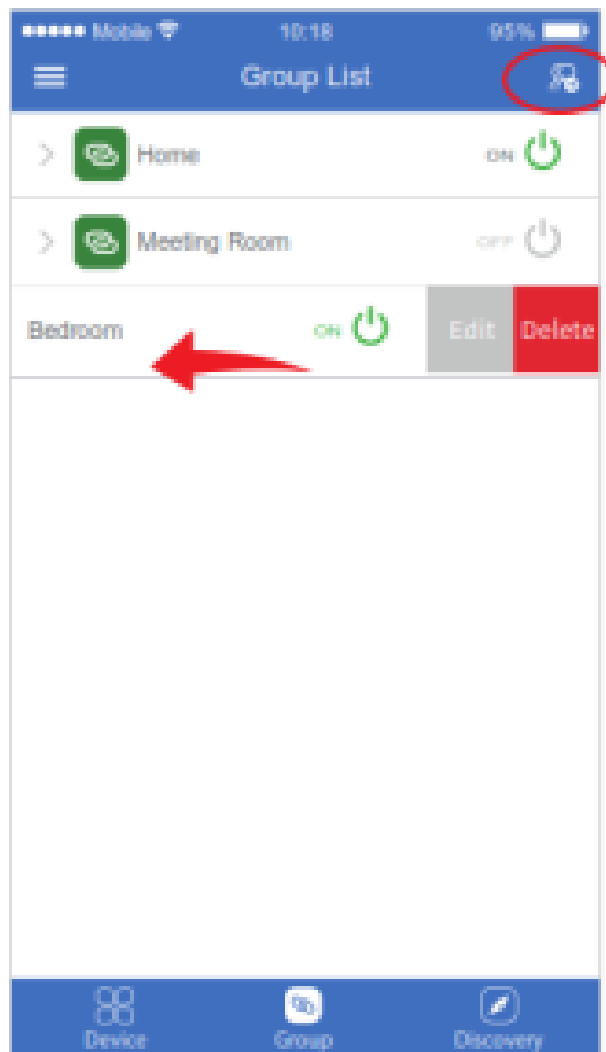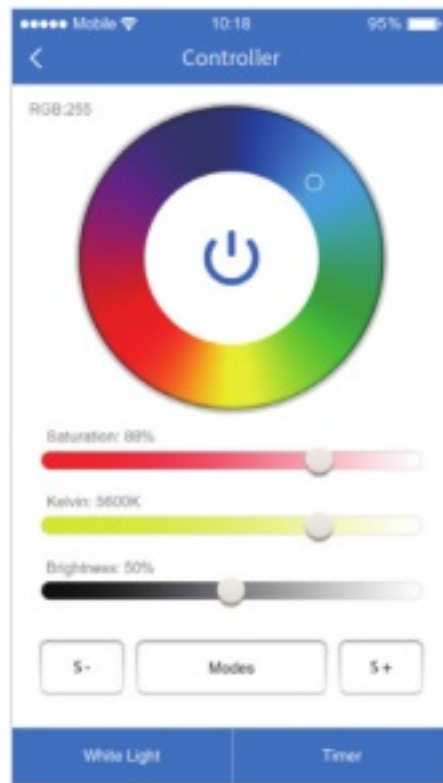

APP Control

Click the device or group that you want to dim on the device list and group list into Dimming Interface.

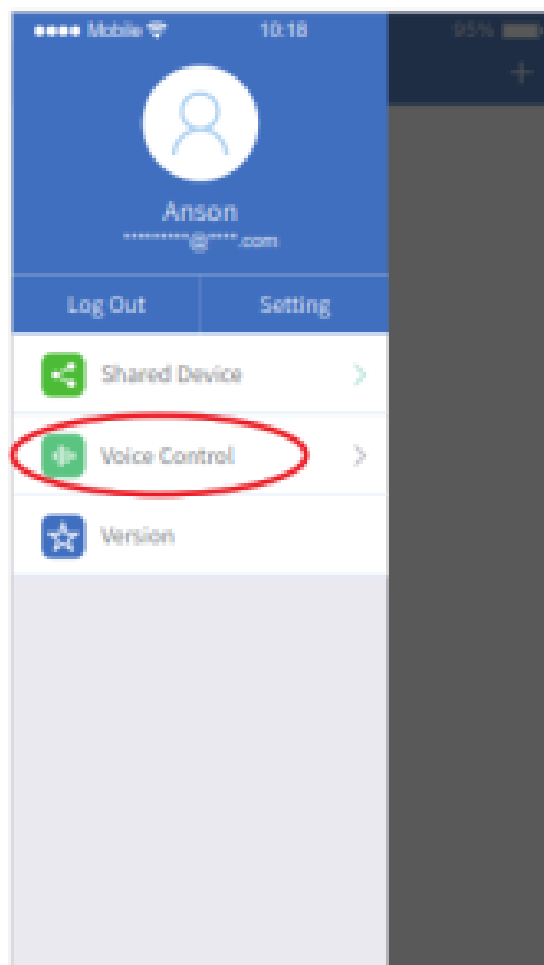S+Click speed+ under dynamic mode.

S-Click speed- under dynamic mode.

Third-Party Voice Control instructions

Search "Mi-Light Smart" on third-party platform APP and set up.

Click left top " ☰ " icon on the home page;

Then click " 🔊 " Voice Control to check detailed instructions.
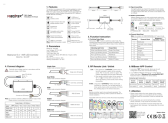

Sharing Device

Share the device with friends, Let your friends can control this device.

1. Click the left top " " icon on the home page.

2. Click " " to My sharing, then click"Add sharing"
(Note: the receiving sharing device cannot be shared again).

3. Click " "**jack@milight.com** to edit sharing, slide to the left to delete sharing.
Shared Device Jack

Documents / Resources

 MiBOXER WiFi LED Controller WL5-WP [pdf] User Manual
MiBOXER, Waterproof, 5 in 1, WiFi, LED, Controller, WL5-WP, Mi-Light