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tuya LM053 Bluetooth Mesh 5 in 1 LED Controller Instructions

TUYA
Manual Instruction
Bluetooth Mesh 5 in 1 LED Controller
Model No.: LM053 0212-2

Contents

Introduction

Bluetooth Mesh 5 in 1(Single Color&CCT&RGB&RGBW&RGB+CCT) LED Controller is our newly developed high-end controller, controlled by Tuya Smart Life APP directly, also 3G/4G long-distance control and supports third party voice control(need Tuya Bluetooth Mesh Gateway). The controller has auto-transmitting and auto-synchronizing functions with brightness, CCT, RGB, RGBW, RGB+CCT output mode. This controller adopts the widely used 2.4GHz wireless technology with the features of low power
consumption, long signal transmitting strong anti-interference, etc. One compatible remote control has many controllers at the same time. compatible remote control many controllers at the same time. Widely used on the controlling of hotel lighting and home lighting.
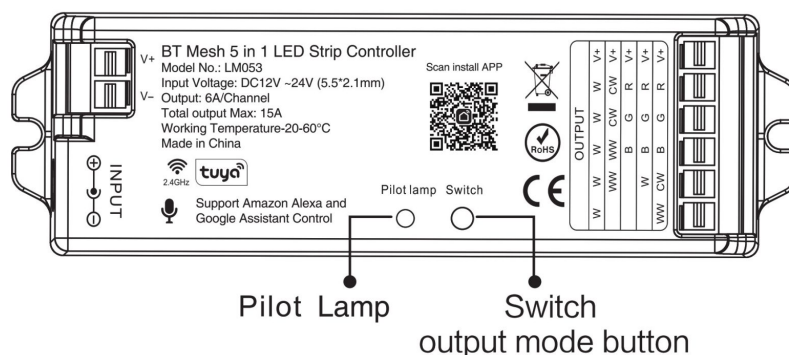
Smart Link&Unlink:
We have 3 methods to Link and Unlink to APP.

1. Long press "SET" 3 seconds, the purple will blink 3 times, the device goes into Smart Link/Unlink mode.

2. Use Linked 091 remote,long-press the linked Zone ON button for 3 seconds, the purple light will blink 3 times, the device goes into Smart Link and Unlink Mode.

3. Switch ON and OFF 3 times(ON-OFF-ON-OFF-ON) within 10 seconds, the purple light will blink 3 times, the device goes into Smart Link and Unlink Mode.

   Note: Pilot lamp red light always ON means device not link to APP, need to do above steps to link. green light aways ON means device linked to APP; the device is controllable.

Bluetooth control will be available after linking by APP.
Switching Output Mode: Short press the "SET" button to switch the output mode; The pilot lamp flickering means switching successfully; Different colors
flickering correspond to different output mode; Details see below sheet.

White Light Flickering	Yellow Light Flickering	Red Light Flickering	Green Light Flickering	Blue Light Flickering
Single Color Mode	Dual White Mode	RGB Mode	RGBW Mode	RGB+CCT Mode (Default Mode)

Technical Data

Model No.: LM053
Working Temperature: -20~60 ℃
Input Voltage: DC12V~24V
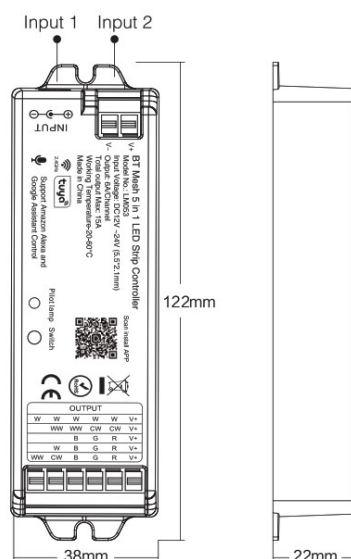Output: 6A/Channel
Total Output Max: 15A
Connection: Common anode
RF: 2. 4GHz
Control Distance: 30m
Size: 122*38*22mm
Weight: 60g

Signal transmitting
One strip controller can transmit the signals from the remote control to another controller within 30m, as long as there is a strip controller within 30m,the remote control distance can be limitless.
**Mode 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.
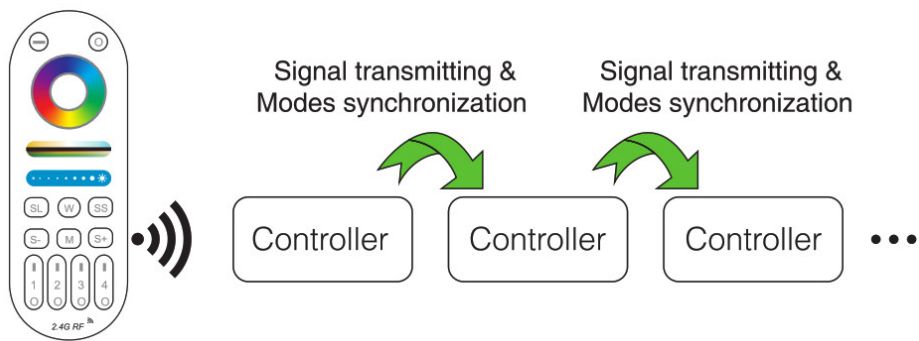
Remote Dynamic Mode Sheet

| No.:	Dynamic Mode	Single Color Mode	Dual White Mode	Ri3B&RGBW&RGB CCT Mode	Brightness / Saturation / S peed	Auto-Sync
1	Riotous Profusion	x	x	√	Adjustable	Under the same remote, same zone, sam e speed, and dy namic mode, lig hts can be auto-sync
2	Blue Sky	x	x	'√		
3	Gorgeous Color	x	x	√		
4	Ocean	x	x	√		
5	Dreamlike	x	x	√		
6	Christmas	x	x	√		
7	Forest	x	x	√		
8	Birthday	x	x	√		
9	Blooming	x	x	√		
10	Single white jump t o change	.√	√	x		
11	Single white jump t o change-gradual ch ange	√	√	x		
12	Single white gradu al change	√	√	x		

Connect to the LED strip
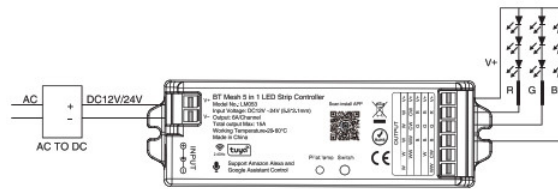
Controller connect to RGB LED strip diagram
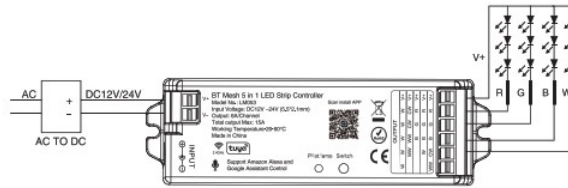
Controller connect to RGBW LED strip diagram
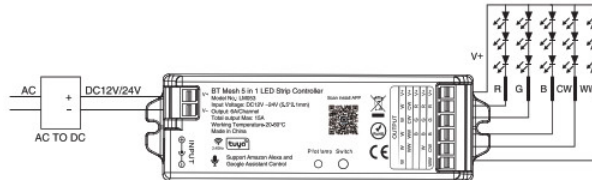
Controller connect to RGB+CCT LED strip diagram

Remote Controller

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

091

007

096

⚠ Lighting can be working after linking with remote; for more details, pls read the remote instruction.
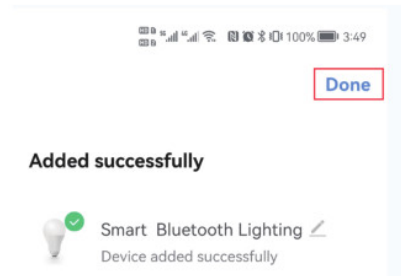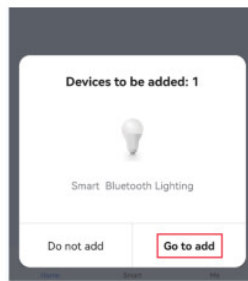
Bluetooth Mesh APP Control Instruction

1. Download and install [Tuya Smart] APP or [Smart Life] APP Search for [Smart Life] in Apple or Google store or scan the following QR code to download and install the app. Please click the " Register " button to create an account while using it in the first time, Log indirectly if you already had an account.

https://smartapp.tuya.com/smartlife

https://smartapp.tuya.com/tuyasmart

Devices to be added: 1

Smart Bluetooth Lighting

Do not add   Go to add

Done

Added successfully

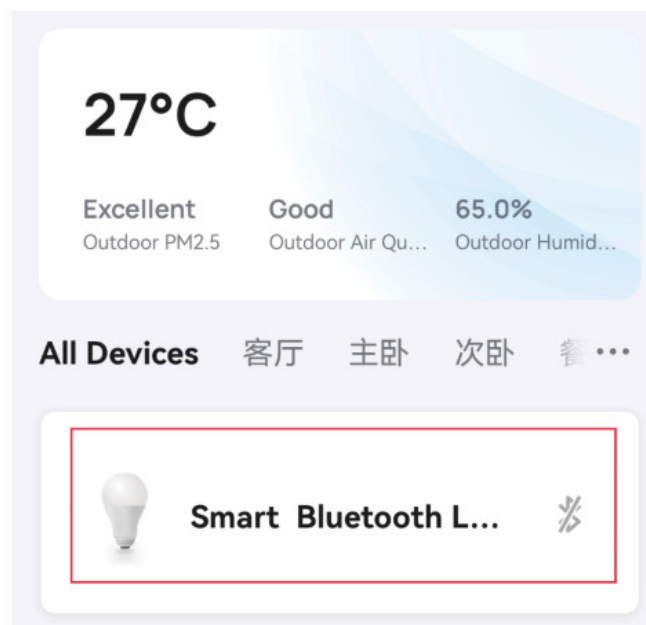Smart Bluetooth Lighting
Device added successfully

(4). Added device will be displayed on the homepage after added successfully, then Click device you want to control to enter the control interface.


27°C

Excellent   Good   65.0%
Outdoor PM2.5   Outdoor Air Qu...   Outdoor Humid...

All Devices   客厅   主卧   次卧   餐 •••

Smart Bluetooth L...

3. APP Control

(1). When you come into the control page, Click [dimmer] on the bottom left corner, then click **[white],** you can control the white light with color temperature, brightness, and save the white light you like.
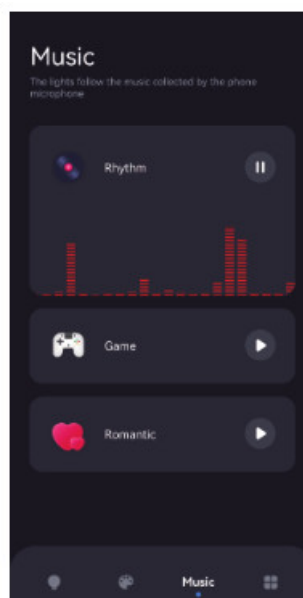

Smart Bluetoot...

Switch

Color   White

Brightness

☀ 91%

Dimmer
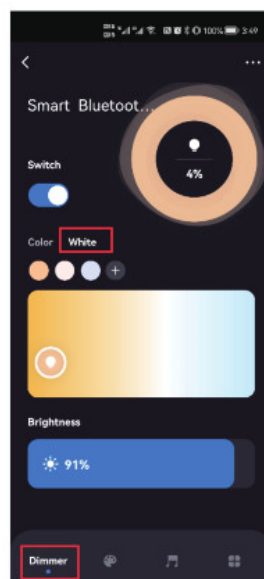
(2). Click [**Color**], you can control color change, brightness, saturation, and save colors you like.
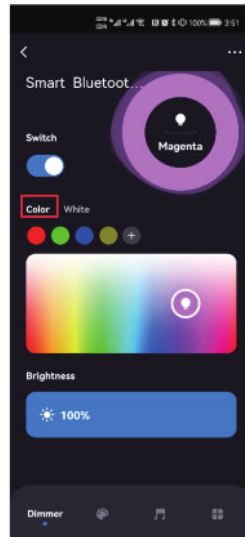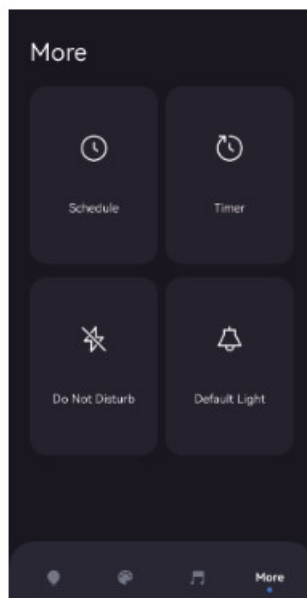

(3). Click [ ] on the bottom, you can get into the Scene control page.
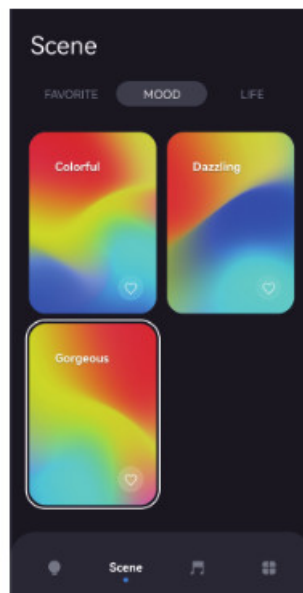
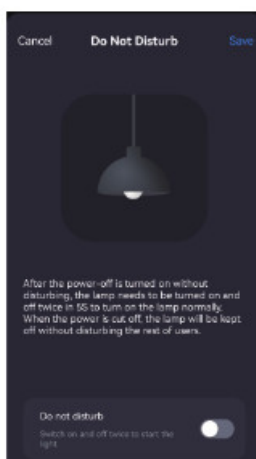(5). Click [ ], you can come into the Music rhythm control page.

(6). Click [ ]to come into More function including Schedule, Timer, Do Not Disturb and Default Light.

Note:

- To set up the Timer function, you need to link Bluetooth Mesh Gateway.
- Do not disturb function, pls read the below pics carefully.

4. Device name editing, Third-party Control, Device Sharing, and Group Control.

(1). Click [ ] on the top right corner of the control page to come into extra function.
(2). Click the icon under third-party control to view a detailed description of third-party control(need Bluetooth Mesh Gateway)
(3). Click [Share Device] to share the device to family and friends.(need Bluetooth Mesh gateway).
Note: to share a device, you need to create a home first, then add members to this home. Please read the 6th instructions for how to make home management.
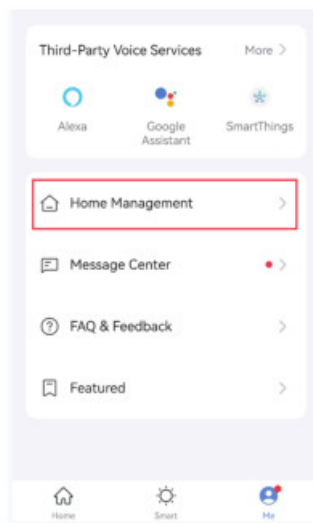(4). Click " Create Group " and follow the APP prompt after the setting is completed, the devices can be controlled by the group.
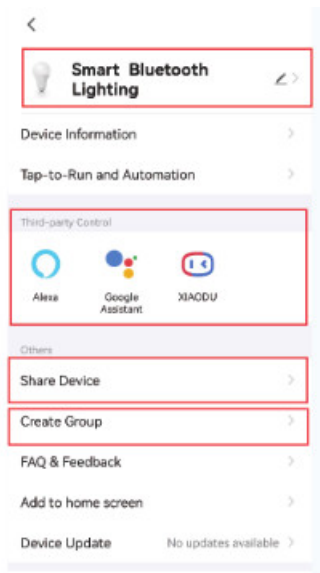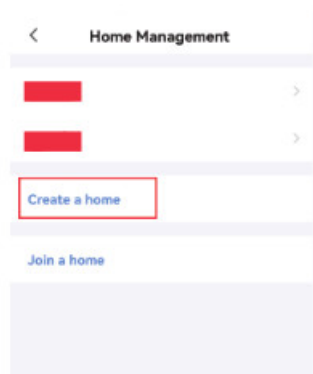
5. How to make Home Management for Device Sharing.

(1). Click [Me] on the home page control interface, then click [Home Management] to enter Home management making.

(2). Click [Create a home] to complete home management, then you can add members on the home, and share the device to your home number.

Note: Bluetooth Gateway connection, please read the manual instruction after you buy the Bluetooth gateway.

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 it on again only when it is in the right connection and has no short circuit.
3. Please do not use the controller in a place with a widely range metal area or strong electromagnetic wave nearby, otherwise, the remote distance will be seriously affected .
4. When the device load to 15A, the wire diameter must be over 1.5mm2

Made in China

Documents / Resources

	tuya LM053 Bluetooth Mesh 5 in 1 LED Controller [pdf] Instructions LM053, Bluetooth Mesh 5 in 1 LED Controller