



200*200mm/双面折叠

MX7—Manual Instruction SPI 5-IN-1 MESH LED Music Controller



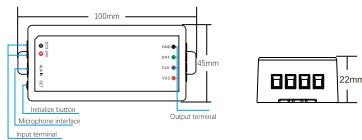
1.Product feature

- DIM/CCT/RGB/RGBW/RGBWC5-in-1 color-changing LED strip controller, SPI signal output, Tuya Smart app cloud control.
- DIM, CCT, RGB, or RGBW LED strips compatible with 49 types of chips, allowing chip type and R/G/B/W/CCT color order to be set via a mobile app.
- You can set 180 dynamic modes via the mobile app, including marquee, chase, flowing water, meteor shower, and gradient drift.
- Voice control, supports Xiaomi Xiao Ai, Tmall Genie, Baidu Duer, Amazon Alexa, Google Assistant and other voice assistants.
- The app features a large number of built-in modes, including 180 dynamic modes, 22 light strip modes, and 30 display screen modes.
- Supports OTA online updates (if there is a new IC with updates, our product will also be updated and improved) and becomes easier and better to use over time.
- The MESH remote control can manage various dynamic modes and music mode. The brightness, color, and color temperature of the remote can be adjusted according to personal preference, and the brightness and speed of the dynamic modes can be edited.
- Supports matching multiple devices and can control multiple devices simultaneously. One remote can manage and synchronize up to 500 controllers. Each controller can be supported by 10 remotes. (Control distance: 30 meters)

2.Technical parameter

Operating voltage	DC5-24V
Pixel Qty Supported	1024 Pixels
Output	SPI Signal
Operating Current	18mA-45mA
Operating Temperature	-20°C-60°C
Lighting Modes Qty	22 of Music 180 of Dynamic 30 of PixelScreen Types
Audio Input 2 Options	Aux Cable Built-in Mic

3.Product structure and size



4.Wiring diagram

Connect the light strip

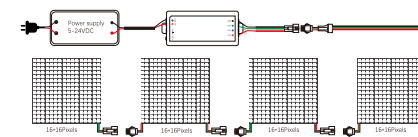


Connecting multiple LED strips (if the load exceeds 8A, an additional power supply is required)



Connect the light screen

AC100-240V
16-18~256~4~1024 Pixels



5.Pair & Reset



- 1.Short press (release within 1 second): As the switch button, press and quickly release to control the device to turn on or off.
- 2.Press and hold for 3 seconds: Press and hold the SET button for 3 seconds, then press any group button of the remote control to complete the corresponding group pairing.
- 3.Press and hold for 5 seconds: Press and hold the SET button for 5 seconds, operate the network configuration interface on the mobile APP side, and complete the device network configuration.
- 4.Press and hold for 10 seconds: Press and hold the SET button for 10 seconds. After the controller indicator flashes quickly, let go and the device will perform a reset. At the same time, the paired WiFi network information and remote control data will be cleared, and the initial state will be restored.

6. Product Connection [Smart Life] or [Tuya Smart] APP

Search for "tuya smart" in the app store or scan the QR code
New users need to register to log in to the APP
Please download the corresponding Tuya/Smart Life APP according to your area.

After the controller is installed in the APP, we can use the APP to easily control the LED lighting.



MX7-W Connection process

1. Make sure your smartphone is working under a WLAN network.
2. Open the login APP, press and hold "SET" to add a device, if it is not found, please click "+" in the upper right corner, and then manually select "Add Device", when adding, you need to enter the WiFi password of your smartphone connection, and wait for 5-10 seconds to complete the connection after successfully entering.
3. Once the connection is successful, the new device will be displayed on the home page, then tap on the device and enter the control interface to do more.

Follow these steps to complete the connection:



MX7-B Connection process

1. Make sure your smartphone is working under a WLAN network.
2. Open the login APP, press and hold "SET" to add a device, if you don't find it, please click "+" in the upper right corner, then manually select "Add Device", wait for 5-10 seconds to complete the connection.
3. Once the connection is successful, the new device will be displayed on the home page, then tap on the device and enter the control interface to do more.

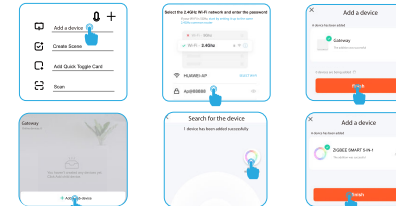
Follow these steps to complete the connection:



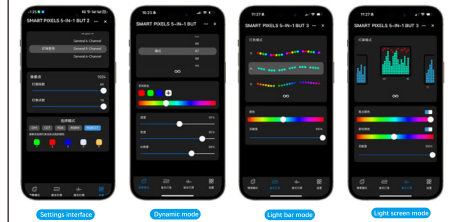
MX7-Z connection to TUYA APP process

1. Make sure your smartphone is working under a WLAN network.
2. Open the Tuya APP, select Manually Add Gateway Control, select Zigbee Gateway, and enter the WiFi password to connect (Incorrect WiFi password will cause the connection to fail, non-2.4G network WiFi also will cause the connection to fail).
3. Reset the Zigbee gateway device, the red and blue lights of the Zigbee gateway are always on, turn on the power supply, please confirm that the red light is flashing, the blue light is always on, and the red light is always on after the connection is successful.
4. Click Done to enter the gateway control interface, add sub-devices, and confirm that the sub-devices belong to the network configuration mode (please place the gateway, controller, and smartphone close to each other for quick speed (Pairing identification) long press the controller "SET" for 5 seconds, after the connection is successful, the sub-device will be displayed on the home page, then tap the device and enter the control interface to do more.
5. After the controller is installed in the APP, we can easily control the LED lighting with the APP.

Follow these steps to complete the connection:



The following interface will appear after the product is successfully connected.



Set the chip type and R/G/B/WWW/CCT sequence through this interface.
180 dynamic changes and customizations. Adjust the speed and brightness of the change.
22 light bar modes. Adjust the brightness and sensitivity of the variation.
30 light screen modes. Adjust the drop point color, column color, and sensitivity.

Use the Tuya/Smart Life APP, select various dynamic change modes, adjust the change speed and brightness, set the number of control pixels, set the chip type and R/G/B/WWW/CCT color order, voice control, music rhythm, and select various dynamic or custom shortcut color modes.

7.Safety Precautions

- 1.When installing, the length of the signal line (DATA/CLK) needs to be <10 meters to avoid signal interference due to the length of the line.
- 2.During installation, the signal line (DATA/CLK) needs to be separated from the strong current (100~240VAC) line at a distance of >15cm to avoid the magnetic field generated by the strong current interfering with the transmission of the signal.
- 3.The light strip is always on and uncontrolled. It may be that the signal line (DATA/CLK) is open or the chip of the light strip is damaged. It is recommended to replace the signal line or light strip.
- 4.When installing the equipment, please turn off the power to ensure safety.
- 5.Do not place the product in highly flammable or explosive materials.
- 6.When using this device, please check whether the input voltage is consistent.
- 7.Please do not install and use such products in lightning and thunder, strong magnetic fields, or high voltage situations.
- 8.There are electromagnetic waves nearby, which will seriously affect the control distance.

Compatible with MESH series remote controllers

A single device can support 10 remote controls at the same time



FCC Warning:

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Caution: Any changes or modifications to this device not explicitly approved by manufacturer could void your authority to operate this equipment.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

(1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 0cm between the radiator and your body.