

EN

Smart Star Light Projector

User Manual

TYD02

1 Unboxing

Thank you for purchasing our products, please read the instruction manual carefully before use. Instruction manual contains necessary safety advice and user instructions, follow the instruction manual to operate in order to avoid damaging the product for misuse. Check whether the product is damaged or not when you receive the product.

2 Package list

Music Star Light x 1
Remote Controller x 1
USB Cable x 1

User Manual x1
USB Power Adapter x 1

3 Notice

1. Strictly in accordance with the instructions of this operation, do not disassemble the host and accessories.
2. This product is suitable for indoor use, please do not use laser source directly in eyes and keep away from children.
3. The product is projected by LED and laser combinations.
4. This product only supports 2.4GHz Wi-Fi, not 5GHz Wi-Fi.

4 How to use

1. Indoor use, projecting in the sky direction.
2. How to use the light projector, as shown below.
3. Connect Bluetooth "TYD02" of the smart phone to play music.
4. Use correct method of the remote control to make sure the remote control is pointing at the infrared sensor which is the "Remote Receiving Area" on the host.

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5 Manual Mode

Host Button Function Description

No.	Function	Description	Notice
1	BT/WN	Bluetooth/White Noise exchange	
2	Power ON/OFF	Slide ON/OFF the device	1. Power-on default status: blue light rotating + stars light flashing + moon light always bright 2. The product has a 4-hour default automatic shutdown function, it will automatically shutdown after 4 hours of work (24 hours without cycling)
3	DC Input	BV25A	
4	Remote Signal Window	Remote control signal receiving window, endogenous remote control distance requires 10 meters	Two (AAA) batteries need to be installed in the remote. Purchase the batteries by yourself
5	Sound Signal Window	When the device is adjusted to the sound receiving mode, the light will flash and jump according to the intensity of the music, the external environmental sound	Sound receiving distance: 30cm-1m (depending on the external volume, the sound receiving distance may vary slightly)

No.	Function	Description	Notice
1	Previous/Reduce Volume	Short press previous song, long press repeatedly reduce volume	
2	Next/Increase Volume	Short press next song, long press stepless increase volume	
3	Play/Pause	Short press control the music playback	

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Remote Control Function Description

No.	Function	Description	Notice
1	Power ON/OFF	Short press ON/OFF music star projector	1. Power-on default status: blue light rotating + stars light breathing + moon light keeps bright 2. The product has a 4-hour default automatic shutdown function, it will automatically shutdown after 4 hours of work (24 hours without cycling)
2	Star/Moon Modes	Short press adjust the star light or moon light	Short press this button to display in order: stars on, moon off, moon on, stars on, moon off, moon on, stars on, moon off
3	White Noise	Can independently control 5 white noise modes	1. Summer Night 2. Thunder 3. White Noise 4. Ocean Waves 5. Lullaby 01 6. Brook 7. Lullaby 02 8. Lullaby 03 9. Lullaby 04 10. Lullaby 05
4	'R' Button	'R' Control the red light	Press, Red light ON. Press again, Red light Off
5	Volume +	Increase volume, Short press by step, long press by stepless	
6	Previous Song	Short press play previous song	Available in both status: Normal Mode & Bluetooth Mode
7	Volume -	Reduce volume, Short press by step, long press by stepless	
8	'B' Button	'B' Control the blue light	Press, Blue light ON. Press again, Blue light Off
9	'G' Button	'G' Control the green light	Press, Green light ON. Press again, Green light Off
10	Play/Pause	Short press to Play/Pause music	Press, music play, Press again, music pause
11	Next Song	Short press play next song	Available in both mode: Normal Mode & Bluetooth Mode

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No. Function Description Notice

1 'W' Button 'W' Control the white light When setting success, LED Light/Star/Moon flash 1 time

2 Sound receiving Mode Short press, the light will flash and jump according to the intensity of the music or the external environmental sound

3 LED Brightness Short press, adjust the LED light brightness (1) The brightness can be adjusted as: 10%-40%, 70%, 100% (2) The default brightness is 100%

4 LED Light Short press ON/OFF the LED light

5 RGBW Single Color Cycle Short press, light rotate steplessly in RGB-B-W single color mode

6 Rotating Speed - Short press increase Rotating Speed by step Four Gear: Stop-Slow-Medium-Fast

7 Stars Effect Short press change the stars into breathing or twinkling

8 RGBW Double Color Cycle Short press, light rotate steplessly in RGB-B-W-G double color mode

9 Bluetooth/White Noise Short press select Bluetooth input or white noise mode

10 Rotating Speed - Short press increase Rotating Speed by step Four Gear: Stop-Slow-Medium-Fast

11 Timer 2H 2 hours When setting success, LED Light/Star/Moon flash 2 times

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6 Wi-Fi Mode

A. Wi-Fi Setting:

(1) Check your phone Wi-Fi "On", or the product won't be connected;
(2) Enable the location information on your phone, or it cannot show the connected Wi-Fi name;
(3) Connect your phone to a 2.4GHz network and other frequencies is not supported;
(4) In Wi-Fi mode, you can only adjust the light effects (except the Bluetooth mode)

(1) Download the APP by scanning the following QR Codes (Notes: The same operations on the following two APPs. Let us take "Smart Life" APP for an example):

Smart Life Tuya Smart

2. Search "Smart Life" APP through Google Play(For Android) or APP Store (For Apple-iOS) and download it

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No. Function Description Notice

1 Register and log in to the APP
(1). Open the "Smart Life" APP
(2). Log in your account and password. Please register a new account on first use
4. Configuration
(1). Connect the power supply of this star projector and the host default status is "OFF" switch
(2). Connect to the Wi-Fi: Slides repeatedly for 3 times with the following steps: OFF-WiFi-OFF-WiFi-OFF-WiFi, keep the host switch in "WiFi" till the indicator light shows white and fast-flashing. Note: the interval of the power switch sliding should not exceed 10 seconds
B. Turn on "Smart Life" APP: click "Add Device", select "Lighting", select "Light Source (BLE+Wi-Fi)", choose your home Wi-Fi and enter password (if applicable), and click "Next" (Note: Connect your phone to 2.4GHz network router, 5GHz network is not supported).

C. Then entering the configuration process. Once connected, it will "Device added successfully" that is the Music Star Light has been connected successfully.

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(1). Open the "Smart Life" APP
(2). Log in your account and password. Please register a new account on first use
4. Configuration
(1). Connect the power supply of this star projector and the host default status is "OFF" switch
(2). Connect to the Wi-Fi: Slides repeatedly for 3 times with the following steps: OFF-WiFi-OFF-WiFi-OFF-WiFi, keep the host switch in "WiFi" till the indicator light shows white and fast-flashing. Note: the interval of the power switch sliding should not exceed 10 seconds
B. Turn on "Smart Life" APP: click "Add Device", select "Lighting", select "Light Source (BLE+Wi-Fi)", choose your home Wi-Fi and enter password (if applicable), and click "Next" (Note: Connect your phone to 2.4GHz network router, 5GHz network is not supported).

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7 APP Functions

1. Click the "Music Star Light" icon to enter the APP, click the "Power Switch" icon, you can turn on/off the device, click the "ES" icon, you can customize the product name, and click "Voice" icon, turn on the voice control function.

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Click the "Timer" icon, turn on the device timer: the device can be automatically turned on/off within the customized time (Note: the product default working time is 4 hours, when the setting time is more than 4 hours, it will prompt to set invalid)

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2. There are 4 main control interfaces:

(1). Lighting interface;
(2). Stars/Moon interface;
(3). Music interface;
(4). Scene mode interface

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2.1 Lighting interface:

(1). Turn on/off the light; (2). Turn on/off the white light and color light; (3). Turn on/off the light breathing mode; (4). Touch the color turntable to select the color of light; (5). 6 kind of fixed double-color lighting effect setting; (6). White light brightness adjustment; (7). Color light saturation adjustment; (8). Color light saturation adjustment; (9). Light rotating speed adjustment

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2.2 Stars interface :

(1). Turn on/off the stars and moon; (2). Turn on/off the stars; (3). Turn on/off the breathing mode of the star; (4). Turn on/off the moon; (5). Adjust the brightness of the stars; (6). Adjust the brightness of the moon

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2.3 Music interface:

(1). Play/Pause music, switch the previous/next song; (2). Adjust the volume; (3). Select the rhythm scene, the light dances with the music in the rhythm scene, and the rhythm sensitivity can be adjusted at the same time.

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2.4 Scene mode interface

Customize the scene mode, select the following elements to combine:
(1). Color light/white light combination, brightness, and the corresponding 3 color changing way: a. Static b. Jumping, c. Breathing, in the jumping and breathing mode, the color changing speed can be customized; (2). Turn on/off the stars and the moon, adjust the brightness of the stars and the moon, and turn on/off the stars breathing function; (3). Create a custom scene, saving and naming, convenient to find and enable custom scene effects

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Preset scene effect mode selection: Click the corresponding preset scene icon to select 48 scene effects corresponding to the system

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6 Here are the Voice Commands on the Smart Life:

Alexa, turn on Music Star Light
Alexa, turn off Music Star Light
Alexa, set Music Star Light to 20 percent
Alexa, brighten/increase Music Star Light
Alexa, dim/decrease Music Star Light
Alexa, set Music Star Light to green

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10 Troubleshooting for Network Configuration

1. Verify the Wi-Fi password in the following ways
Open the Wi-Fi list on your phone, click the Wi-Fi name and ignore it, then reconnect and enter the password again to ensure connecting successfully. If not, please use the right Wi-Fi password.
2. If your phone cannot show your home Wi-Fi, please check if the location information on your phone is enabled.
3. Please check if your phone is connected with 2.4GHz network (other frequencies is not supported).
4. Please check the Wi-Fi name cannot contain Chinese, blank and special characters.
5. Please check whether the Wi-Fi password is empty, it can up to a maximum of 58 characters and try to avoid using special characters.
6. When in connection, Please keep the product close to the network router at a distance of 5 meters.

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1 Specifications:

Host Material	ABS
Input Rated Voltage	5V DC
Maximum Power	10W/2.0A
Projection Light Source	LED Light bead / laser light source
Projector Light Source Wavelength	Red light beads (620-650nm), green light beads (520-550nm), blue light beads (460-480nm), white light beads (color temperature 1500-15000K) green light wavelength (532nm)
Projection Distance	2-10M
Projection Area	The projection area is 120m at a distance of 3M and 200m at a distance of 5M
Motor	Starting Voltage: 3V, with 1-2 mm
Horn Parameters	40W x1
Input Power	100-240V AC 50/60Hz 2.0A (Work together with power adapter)
Operating Temperature	-20~50 ℃/14~122 ℉
Storage Temperature	-20~40 ℃/4~140 ℉
Item Model	J5008
Bluetooth	Bluetooth 5.0
Wi-Fi	Support Wi-Fi 2.4GHz
FCC ID	2A6GMTYD02

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1 FCC Caution:

§ 15.19 Labelling requirements
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.
§ 15.21 Information to user
Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.
§ 15.105 Information to the user.
Note: 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.
NOTE: This device and its antenna(s) must not be co-located or operation in conjunction with any other antenna or transmitter

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RF Exposure Statement

To maintain compliance with FCC's RF Exposure guidelines, this equipment should be installed and operated with minimum distance of 20cm the radiating body. This device and its antenna(s) must not be co-located or operation in conjunction with any other antenna or transmitter

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