

# GVM<sup>®</sup>

Great Video Maker

**GVM-ST100R**

# CONTENTS

|  |            |
|--|------------|
| Important Safety Instructions -----                | Page 1~2   |
| Warning -----                                      | Page 2     |
| Product Introduction -----                         | Page 3     |
| Disclaimers -----                                  | Page 4     |
| Product Parameter -----                            | Page 4     |
| Product Structure Diagram -----                    | Page 5     |
| Installation Method -----                          | Page 6~9   |
| Description Of Product Control Keys -----          | Page 10    |
| Function Introduction & Instructions For Use ----- | Page 11~13 |
| APP Control -----                                  | Page 14~15 |
| Use And Preservation -----                         | Page 15    |
| Quick Troubleshooting -----                        | Page 16    |
| Precautions -----                                  | Page 17    |
| Packing List -----                                 | Page 17    |
| Product Warranty -----                             | Page 18~19 |

# IMPORTANT SAFETY INSTRUCTIONS

**First and foremost: this product is professional lighting and staging equipment and should be used by a professional lighting technician or under the guidance of a professional. When using this product, you must always follow the cautions below:**

1. Read the product manual carefully before use.
2. This product is only suitable to use in a temperature range of -10°C to 40°C.
3. Do not place the equipment near flammable and volatile solvents such as alcohol and gasoline.
4. Before storing the device, make sure it has cooled down completely. When being stored, unplug the power cord from the device. The equipment should be stored in its carrying case or a well-ventilated and dry place.
5. This lighting fixture is not for general illumination and should not be used as such. Individuals with eye injuries or sensitivity should avoid using this lighting fixture.
6. This is a professional light and children are prohibited from using it. Parents or guardians must closely supervise children when they are near the equipment to prevent personal injury caused by colliding with or misusing the equipment.
7. Before using the equipment, please remove the protective cover.
8. When the lighting fixture is on, it is forbidden to stare directly at the light source under any circumstances. High-intensity lighting should only be used under the guidance of a professional lighting technician. Avoid staying in a high-intensity light environment for a long time. If feeling any discomfort, please immediately turn off the lighting fixture, and seek medical attention.
9. When the lighting fixture is on, use it carefully and avoid contacting high-temperature components such as LED light sources to prevent being burnt.
10. Do not use damaged equipment or accessories. Wait for a professional repairman to inspect and repair it before it is confirmed that the equipment can function normally.
11. If the light source is damaged or deformed due to heat, please stop using it and contact the manufacturer, service agents, or qualified repairman promptly to replace the light source to avoid accidents.
12. If the product is cracked due to falling, squeezing, or strong impact during use, please stop use it to avoid being electrically shocked by touching internal electronic components.
13. Do not disassemble the product by yourself. If the product malfunctions, it must be checked and repaired by the manufacturer or authorized repair personnel.
14. Before cleaning and maintenance, be sure to unplug the power supply. To unplug never pull on the cable but always pull the plug itself. This device shall only operate with earthed power outlets or emergency power generators.
15. When cleaning the device, do not wipe it with a wet cloth. Use a dry and soft cloth to wipe off the dirt.
16. If an extension cord is required, it needs to have the necessary capacity to power the respective unit. Using an extension cord with a lower current capacity than the devices need may cause overheating.

17. For some products with long power cords, please place the power cords properly and avoid contact with overheated surfaces that may damage or trip personnel. Please use the original power cords of our manufactory. The damage caused by using non-original power cords is not covered by our repair service.
18. Do not use product accessories that are not recommended by our brand to avoid fire, electric shock, or personal injury.
19. Some products use batteries for power supply. Do not use any batteries, power sources, or accessories that are not specified in the user manual. Please keep batteries and other accessories out of reach of children and infants. If a child or infant swallows a battery or accessory, seek medical attention immediately. If the battery leaks, changes color, deforms, smokes, or emits an odor, remove it immediately. Be careful not to get burned during the removal. Continued use of such batteries may cause a fire, electric shock, or skin burns. Do not use any deformed or modified batteries. Do not disassemble or modify this product or the battery. Do not heat the battery or solder it. Do not let the battery come into contact with fire or water, or subject it to strong external force. Do not insert the battery's positive and negative ends incorrectly, or mix and use old and new batteries or different types of batteries.
20. For some products with built-in lithium batteries, please use a dedicated charger for charging, and following the correct operating instructions within the prescribed voltage and temperature range.
21. The warranty last for one year. Consumables like batteries, adapters, power cords, and other accessories are not covered by the warranty.
22. The one-year warranty will be invalidated if the equipment is found to have been repaired privately. The related repair costs will be charged.
23. Equipment malfunctions caused by non-standard operations are not covered by the warranty.
24. The safety instructions are based on our factory's strict testing. If there are any changes in the equipment's design and specifications, we reserve the right not to notify you. Customers can visit our official website to check the latest digital version of the instructions and learn about the newest product information.

## Keep these instructions!

### **WARNING:**

-  High-power LED lights are strictly prohibited from being directly viewed or shining into other people's eyes.
-  Do not unplug the power cord or connecting wires while the light is on to avoid personal injury.
-  Do not cover the heat dissipation port when the lamp is in operation.
-  Keep children away from touching or using this light.
-  As professional lighting equipment, please make sure to operate it correctly according to the user manual.

# PRODUCT INTRODUCTION

Welcome to use "GVM-ST100R". This product is specially designed for senior photographers. The usage scenarios of the product are suitable for live broadcast / outdoor / studio photography, etc., and can also be used for YouTube video shooting. The main features of the product are:

1. The light can be adjusted steplessly, with 1 Bi-color temperature lamp bead and 1 RGB lamp bead, with color rendering index of 97+, which helps restore and enrich the colors of objects, providing you with natural and vivid shooting effects.
2. APP control, which can be controlled by your IOS and Android smart mobile devices; at the same time, it supports Bluetooth mesh networking, which can be group controlled with GVM brand devices that support mesh networking.
3. With standard DMX interface, it can realize low-precision 8bit and high-precision 16bit DMX control mode.
4. It has a LCD screen display and stable system, supports 180°rotation, which can effectively control the light. Equipped with a standard cover, after installation, it can avoid excess light, make the light more concentrated, and customize the control to fill the light, allowing you to shoot the desired results easily.
5. 7 lighting modes, CCT mode, HSI mode, RGB mode, GEL color paper mode, light source matching mode, white light effect mode, color light effect mode:  
CCT mode: Bi-color light mode, adjustable light intensity and color temperature.  
HSI mode: Adjustable hue, saturation, light intensity, ( HSI=hue, saturation, light intensity ), realize 36 million colors adjustable.  
RGB mode: Adjustable red light, green light, blue light, and achieve  $1.6 \times 10$  colors adjustable.  
GEL mode: Two types of colored papers, ROSCO and LEE, are provided. Each of the two colored papers has 30 colors.  
Light source matching mode: This mode provides 12 different styles of light source types to choose from. When you need a specific light source, it can save a lot of adjustment time.  
Bi-color light effect mode: This mode provides 8 white light effects: lightning, CCT cycle, wax candle, broken light bulb, TV, paparazzi, explosion, breathing light.  
IPL light effect mode: This mode provides 4 types of IPL light effect: disco, party, police car, hue cycle.

We believe that once using our product correctly, you can make huge progress when shooting. Before using the product, you are strongly recommended to read the instructions below carefully.

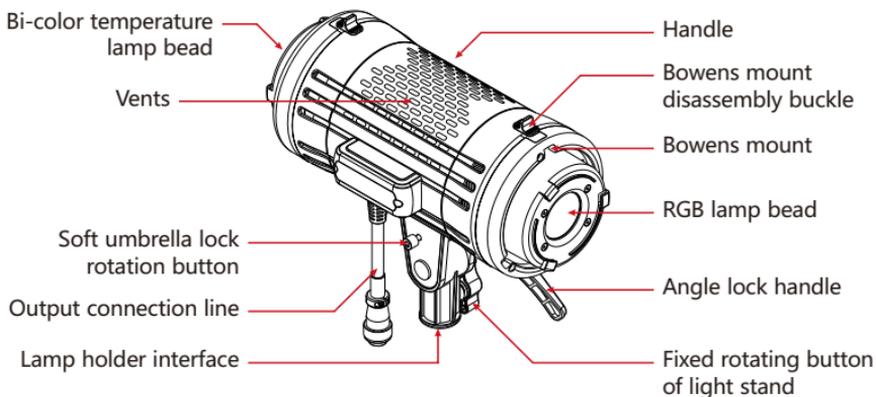
# DISCLAIMERS

1. Before using this product, please read the text carefully to ensure that the correct operation of the product has been carried out. Failure to follow and not following the instructions and warnings in this document may cause harm to you and others around you, or even damage the product or other surrounding items.
2. By using this product, you are deemed to have carefully read the disclaimer and warning, understand and acknowledge all the terms and contents of this statement, and promise to take full responsibility for the use of this product and the possible consequences.
3. Design and specifications are subject to change without notice.

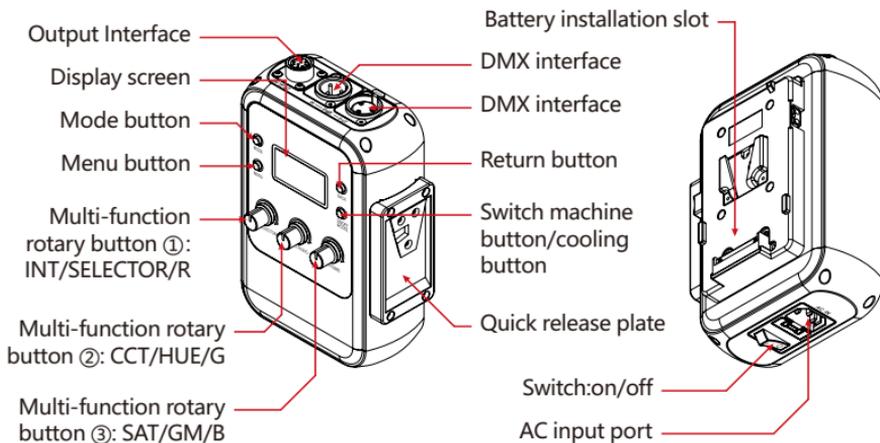
# PRODUCT PARAMETER

- ◆ Brand : GVM
- ◆ Product Name : Photography Lights
- ◆ Product Model : GVM-ST100R
- ◆ Product Type : Photography Fill Light
- ◆ Function/Feature : LCD Screen, High CRI Lamp Beads, APP Control, Master/Slave Mode
- ◆ Light Adjustment Method : Stepless Adjustment
- ◆ Lamp Beads Quantity : COB×2
- ◆ Color Rendering Index :  $\geq 97$
- ◆ Color Temperature : 2700K~7500K
- ◆ Lumen : Naked Light : 15000lux@0.5m, 3700lux@1m
- ◆ Plus Standard Cover : 77600lux@0.5m, 21000lux@1m
- ◆ Power : 100W
- ◆ Product Weight : 4.2KG
- ◆ Product Size (mm) : 228×140×237
- ◆ Power Supply Mode : Power Supply & Battery (V-mount battery)
- ◆ Voltage : AC:100-240V
- ◆ Cooling : Radiator & Fan
- ◆ Product Material : Aluminum Alloy + Plastic
- ◆ Commodity Origin : Huizhou, China

# PRODUCT STRUCTURE DIAGRAM



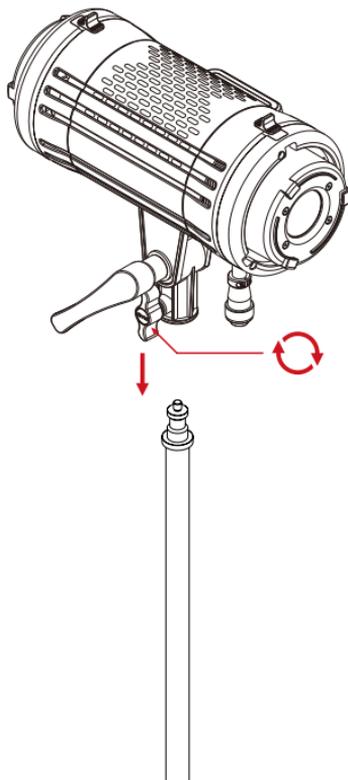
## LIGHT



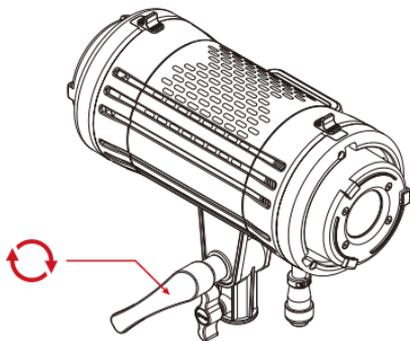
## CONTROLLER

# INSTALLATION METHOD

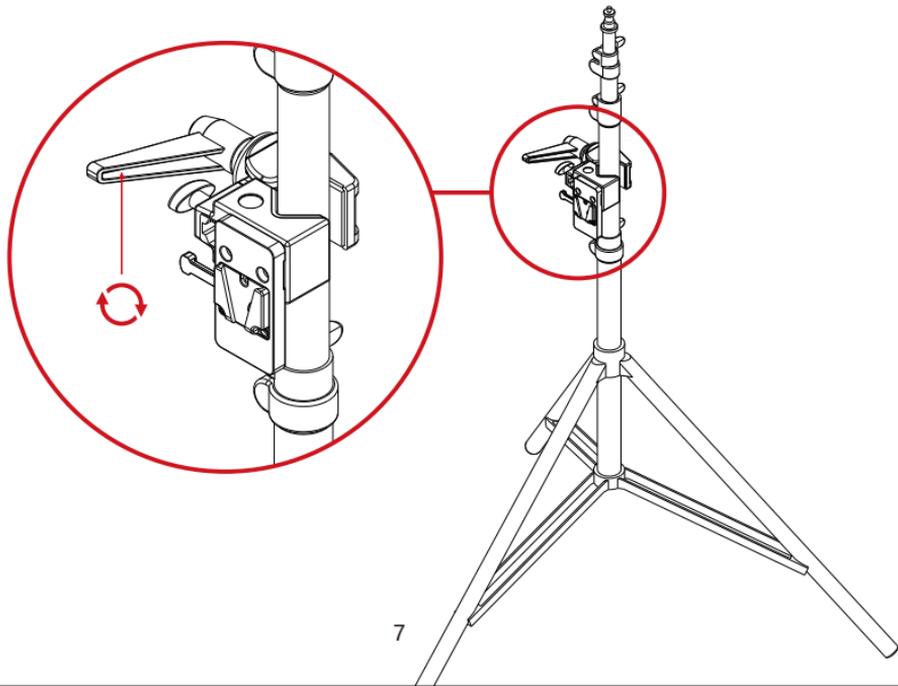
- 1 Install the handle on the lamp as shown in the figure below, and tighten it with screws



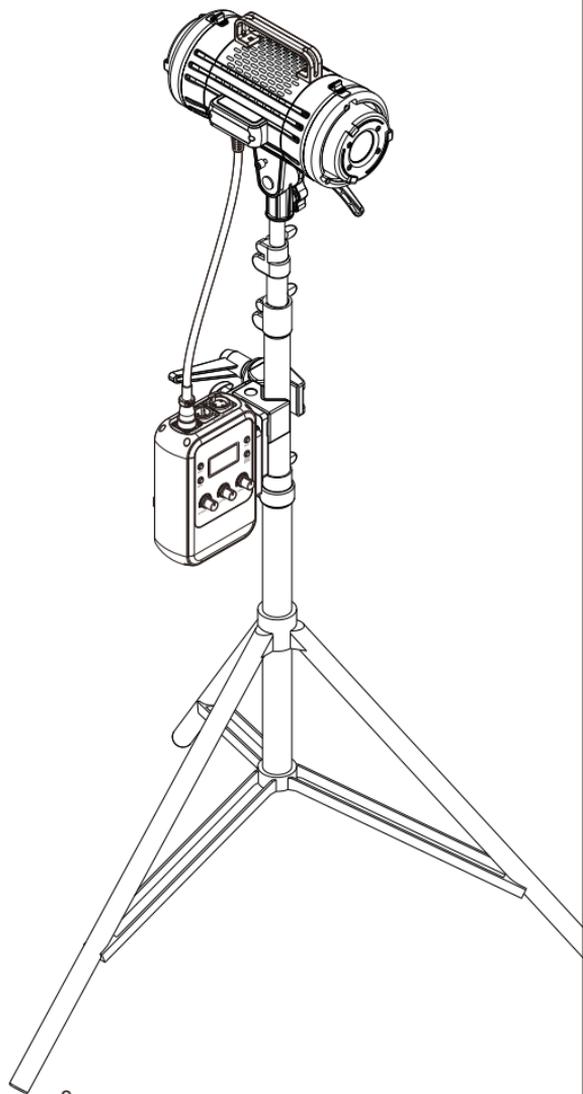
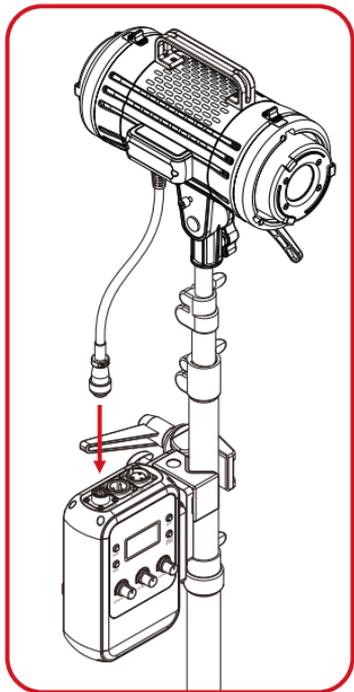
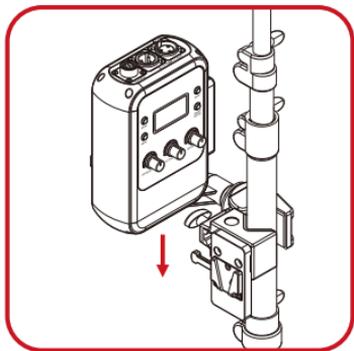
- 2** Loosen the angle lock handle, adjust the angle of the spotlight, and then tighten the angle lock handle.



- 3** Install the controller fixing clip on the lamp holder as shown in the figure below.



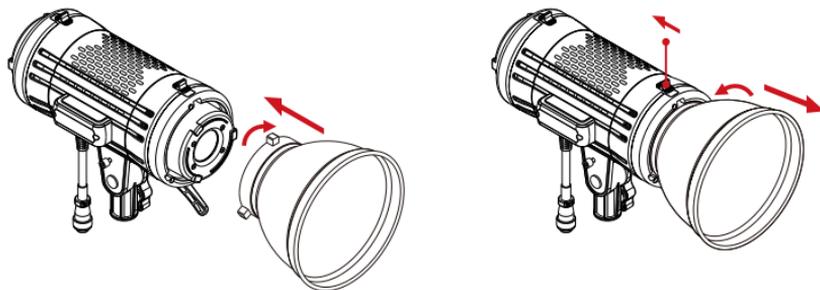
- 4 As shown in the following steps, first install the controller to the controller fixing clip, and then connect the output cable.



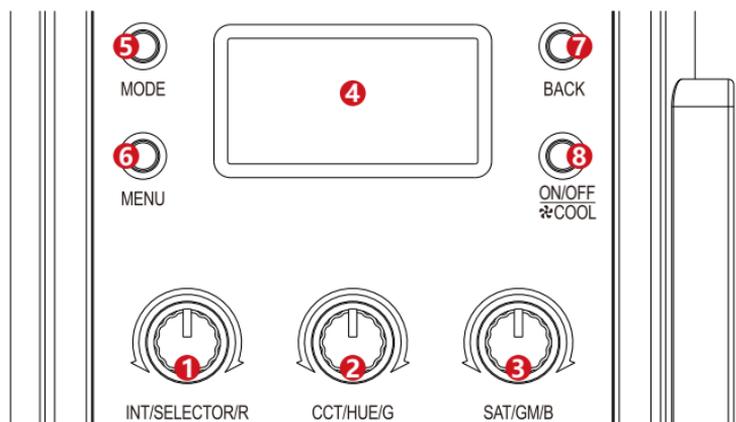
- 5 Install the diffuser on the lamp as shown in the figure below.



- 6 Insert the Bowens mount bayonet of the standard cover into the Bowens mount bayonet of the lamp, and then turn it clockwise to install the standard cover on the lamp. Push the Bowens mount disassembly buckle to the upper right and rotate the standard cover counterclockwise to disassemble the standard cover.



# DESCRIPTION OF PRODUCT CONTROL KEYS



- 1** Rotary Knob ①: INT/SELECTOR/R, multi-function coding rotary knob, can be adjusted by long press or rotating to "select" or "brightness, red"
- 2** Rotary Knob ②: CCT/HUE/G, multi-function coding rotary knob, can be adjusted by turning "color temperature/hue/green"
- 3** Rotary Knob ③: SAT/GM/B, multi-function coding rotary knob, by rotating it can adjust "color purity/ frequency/blue"
- 4** LCD display: display current settings, modes, and parameters
- 5** Mode button: switch button for lighting mode
- 6** Menu key: Press this key to enter the setting menu
- 7** Return key: press this key to return to the previous menu
- 8** Switch button/cooling button: When the light is off, long press to turn on the light; when the light is on, long press to turn off the light, and start the large air volume to dissipate until the temperature drops to touchable.

# FUNCTION INTRODUCTION & INSTRUCTIONS FOR USE

## ① MENU:

Press the MENU button to enter the menu setting page → turn the [knob ①] to select an item → press [Knob ①] Enter the project setting interface → Set the parameters of the project by pressing or turning [Knob ①] → Press [BACK] to go to the previous menu.

**DMX SETUP :** Set DMX parameters, [address (001-512)] and mode [8bit/16bit].

**DIMMER CURVE :** Set dimming [curve / linear / logarithm / exponential / S curve].

**LIGHT FREQUENCY :** Set dimming frequency, adjustment range [15KHz-25KHz].

**BLUETOOTH RESET :** Select [YES / NO] for Bluetooth reset operation.

**FAN MODE :** Select cooling fan mode, [Auto / Quiet / High].

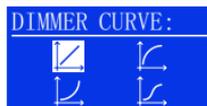
**DISPLAY SETUP :** Set display backlight [Brightness (0~10)] and backlight display mode [Always On/After 10s].

**FACTORY RESET :** Select [YES/NO] to restore factory settings.

## ② CCT MODE

By adjusting the light intensity and color temperature of the white light to achieve the desired light effect.

Press the [MODE key] to switch to the [CCT] mode → turn the [rotary button ①] to adjust the brightness, and turn the [rotary button ②] to adjust the color temperature.



### ③ HSI MODE (H=hue, S=saturation, I=light intensity)

By adjusting the hue, saturation, and light intensity to achieve the desired light effect.

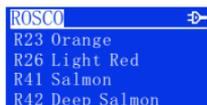
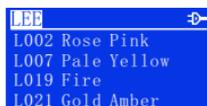
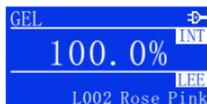
Press [MODE key] to switch to [HSI] mode → turn [rotary knob ①]. To adjust the brightness, turn the [rotary button ②] to adjust the hue, turn the [rotary button ③]. Adjust color purity.



### ④ GEL MODE

Two types of colored papers, ROSCO and LEE it provides. Each of the two colored papers has 30 colors. Different colors of colored paper can be selected for light effects.

Press the [MODE key] to switch to the [GEL] mode → press the [rotary button ①] to enter the menu selection → turn the [rotary button ①] to select the [Rosco] menu or the [LEE] menu → press the [knob ①] to enter the selected menu → turn [Rotary button ①] Select the color in the menu → press the rotary button ① to enter the setting interface of the selected color → turn the [rotary button ①] to adjust the brightness.



### ⑤ RGB MODE (R=RED, G=GREEN, B=BLUE)

To achieve the desired light effect by adjusting the ratio of red/green/blue.

Press [MODE key] to switch to [RGB] mode → press [Knob ①] to switch [INT] adjustment / [RGB] adjustment.

When adjusting [RGB], turn the [Rotary button ①] to adjust the parameters of [R], the [Rotary button ②] to adjust the parameters of [G], and the [Rotary button ③] to adjust the parameters of [B].

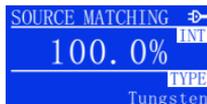
[INT] When adjusting, turn the [Rotary button ①] to adjust the brightness.



## ⑥ SOURCE MATCHING MODE

In the light source matching mode, select a light source from the light source menu to match the spectrum. There are 12 selectable light sources in total.

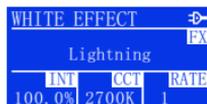
Press [MODE key] to switch to [SOURCE MATCHING] mode → press [rotation button ①] to enter the menu → rotate [rotation button ①] to select the light type → press [rotation button ①] to enter this type of adjustment interface → rotate [rotation button ①] Adjust the brightness.



## ⑦ WHITE EFFECT MODE

White light effect mode, 8 white light effects can be selected.

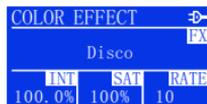
Press [MODE] to switch to [WHITE EFFECT] mode → turn [rotation button ①] to select light type → press [rotation button ①] to enter this type of adjustment → turn [rotation button ①] to adjust brightness, turn [rotation button ②] To adjust the color temperature, turn the [rotary button ③] to adjust the frequency.



## ⑧ COLOR EFFECT MODE

Color effect mode, 4 optional color light effects.

Press [MODE key] to switch to [COLOR EFFECT] mode → Rotate [Rotary button ①] Select the light type → press [Rotate button ①] to enter this type of adjustment → Turn [Rotary button ①] to adjust the brightness, turn [Rotary button ②] to adjust the color is pure, turn the [rotation button ③] to adjust the frequency.



# APP CONTROL

## APP Download Method

(Scan the QR code on the back of the manual to download the APP)

Android Device: Official website QR code, Google Play, Huawei Store, etc.

iOS Device: App Store

## Device-adding

1. Before adding a device, please make sure you have turned on your phone's Bluetooth and network data, accessibility to Bluetooth and network data, then reset the lighting device's Bluetooth.
2. Click the "Add Device" button on the "My Devices" page to find the Bluetooth light devices that have been turned on nearby. (Figure 1)
3. Select the device to be connected for pairing. (Figure 2)

\* Android requires location permissions to be turned on in order to connect your device using mesh technology, and we do not collect any of your location information during this process.

## Device Management

1. After successfully adding your lighting device, your device will be displayed in the "My Devices" list. (Figure 3)
2. Click on the Device to access the device control. (Figure 4)

Figure 1

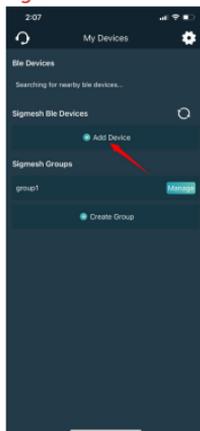


Figure 2



Figure 3

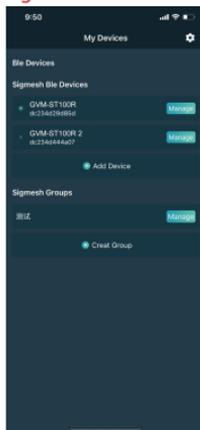
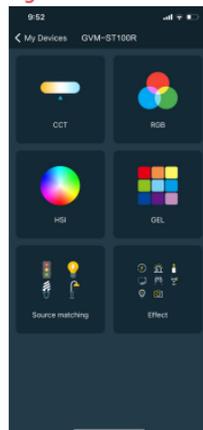


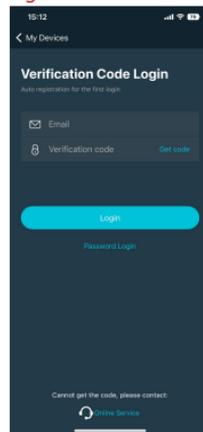
Figure 4



## Account Login

- ◆ Use e-mail to get the verification code to log in (the first login automatically registers the account). (Figure 5)
- ◆ There may be a delay in sending the verification code, and the speed of delivery depends on the e-mail server you are using.
- ◆ Some email servers may recognize our verification emails as advertising promotions, please check your spam folder/inbox.
- ◆ After logging in, you can synchronize the Mesh Bluetooth devices bound to the current account to other smart devices.

Figure 5



## USE AND PRESERVATION

Do not place the product in a high humidity, strong electromagnetic field, direct sunlight, or high-temperature environment. If the product will not be used for a long time, please disconnect its power and remove the battery.

**Clean:** Before cleaning, disconnect the power plug. And use a damp cloth instead of any detergent or soluble liquids to avoid damaging the surface layer.

**Power:** Make sure the power is within the demanded range, not too high or too low. Correctly load the battery, in order not damage to the machine.

**Repairing:** If there is a fault or performance degradation, do not unpack the shell by yourself, avoiding damage to the machine and losing the right of maintenance. When there is a fault, do not hesitate to contact us, and we will do our best to deal with the problem.

**Accessories:** Please use the accessories provided by the manufacturer and approved ones, to maximize the performance.

**Warranty:** Do not modify the product, or you will lose the right to maintenance.

# QUICK TROUBLESHOOTING

| Issue   | Check the product   | Troubleshooting   |
|---|---|---|
| The indicator does not light up.  | Whether the connection between the light and the power supply is normal.  | Make sure the adapter is well connected with the power plug.  |
|   | When using a lithium battery to supply power, make sure that the battery does not have "low battery" protection.  | Use the product after recharging the batteries.   |
| While using the APP to add a device, the Bluetooth of the device cannot be found. | Check if the device is turned on properly and that it is not already paired by someone else connection.   | Follow these steps:<br>1. Turn on phone's Bluetooth and network data function, android devices need to turn on the GPS positioning.<br>2. Allow access to Bluetooth and network data, GPS positioning.<br>3. Reset the device Bluetooth according to the user manual. |
| The APP failed to pair to a device.   | Check if the device is turned on properly and has not been connected or paired by others; Check if the Bluetooth and network conditions of the cell phone are good. | Reset the device Bluetooth and restart the app then try to connect again.   |
| The device is no longer searchable after removing it from the APP.                | Check if the device have been removed while it is off-lined or in poor network conditions.  | Reset the device Bluetooth and then search again to add the device.   |
| In-app device controls can not be accessed.                                       | Check if the device is online (small green light displayed); If it's off-line, please advice to the Distribution Network Connection Failure steps.                  | Reboot the device, wait for 5 seconds, wait till it shows as online status. To control it; Reset the device Bluetooth and then add the device back to the device list.  |

## PRECAUTIONS

1. Please use the matching power adapter or lithium battery with the same specification to power the product. Do not use power adapter with different output voltage parameters.
2. The product is not waterproof, please use it in a rainproof environment.
3. The product is not anti-corrosion, therefore do not let the product touch any corrosive liquid.
4. When using the product, make sure the product is put firmly and prevents falling and damage.
5. If the product will not be used for a long time, please switch off the power to reduce energy loss.

## PACKING LIST

| <b>Name</b>                | <b>Quantity</b> | <b>Notes</b> |
|----------------------------|-----------------|--------------|
| Photography Light          | 1               |              |
| Power Cord                 | 1               |              |
| Controller                 | 1               |              |
| Controller Fixing Clip     | 1               |              |
| Lamp Bead Protective Cover | 1               |              |
| Standard Cover             | 1               |              |
| Carrying Case              | 1               |              |
|                            |                 |              |
|                            |                 |              |

# PRODUCT WARRANTY

Dear user, this warranty card is important proof for applying for warranty service. Please cooperate with the salesperson to fill it out and keep it properly. Thank you!

|                     |                 |                 |
|---------------------|-----------------|-----------------|
| Product Information | Model Number    | Product Barcode |
| User Information    | Name            | Contact Number  |
|                     | Mailing Address |                 |
| Seller Information  | Name            |                 |
|                     | Contact Number  |                 |
|                     | Mailing Address |                 |
|                     | Sales Date      |                 |
| Remarks             |                 |                 |

Note: this form should be confirmed by the salesperson's stamp.

## Applicable Products

This document applies to the products listed in the relevant "Product Warranty Information" (see instructions below). Other products or components that do not fall within this scope (such as promotional products, gift items, and other components added after the factory) are not covered by this warranty promise.

## Warranty Period

The corresponding warranty period for products and components shall be executed according to the relevant "Product Warranty Information". The warranty period starts from the first day of purchase of the product, and the date of registration on the warranty card at the time of purchase shall prevail.

## How to Obtain Warranty Service

You can directly contact the product salesperson or authorized service agency, or call GVM's after-sales service hotline to contact us and have our service personnel arrange service for you. When applying for warranty service, you should provide a valid warranty card as a warranty certificate to be eligible for warranty service. If you cannot provide a valid warranty card, we may also provide you with warranty service under the circumstance that our products or components are confirmed to be within the warranty scope, but this is not our obligation.

## Cases where warranty does not apply:

If the product meets the following conditions, the warranty and service under this document will not apply:

1. The product or parts have exceeded the corresponding warranty period.
2. Malfunctions or damages caused by incorrect or improper use, maintenance, or storage, such as improper handling, use for purposes other than the reasonable expectations of the product, incorrect insertion or removal of external devices, falling or crushing due to external force, or exposure to inappropriate temperature, solvents, acids, alkalis, water immersion, or damp environments.
3. Malfunctions or damages caused by unauthorized installation, repair, modification, addition, or disassembly by institutions or personnel not authorized by GVM.
4. Modifications, changes, or removals of the original identification information of the product or its parts.
5. Lack of valid warranty card.
6. Malfunctions or damages caused by the use of unauthorized, non-standard or non-publicly released software.
7. Malfunctions or damages caused by force majeure or accidents.
8. Other malfunctions or damages not caused by quality issues of the product itself. In such cases, you should seek solutions from the relevant responsible parties, and GVM will not be held liable. Malfunctions or damages caused by components, accessories, or software not covered by the warranty or beyond the warranty scope that renders the product unable to function properly are not covered by the warranty. Fading, wear, and consumption that is normal during the product usage process are not covered by the warranty.

## Product Warranty and Service Support Information

The product warranty period and service types are implemented according to the following "Product Warranty Information" for each product category, component, and optional equipment:

| Product Category | Accessories Name   | Warranty Period(Month) | Warranty Service Type   |
|------------------|--|------------------------|-------------------------|
| Component        | Circuit Board.   | 12 Month               | Customer service repair |
| Other            | Spotlight mount, softbox, adapter, Standard reflector, power cord, battery Handle, light stand, TYPE-C cable, battery slot, battery, Fresnel lens, grid, carrying bag and all other accessories, etc.<br>Consumable or electrically sensitive parts are not covered by the warranty. | None                   | No Warranty             |

QC  
PASS



GVM Official website



Facebook



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**Huizhou Latu Film Equipment Co., Ltd.**

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