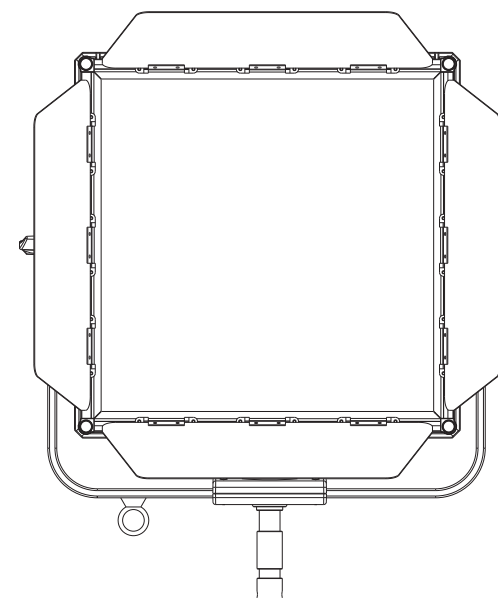
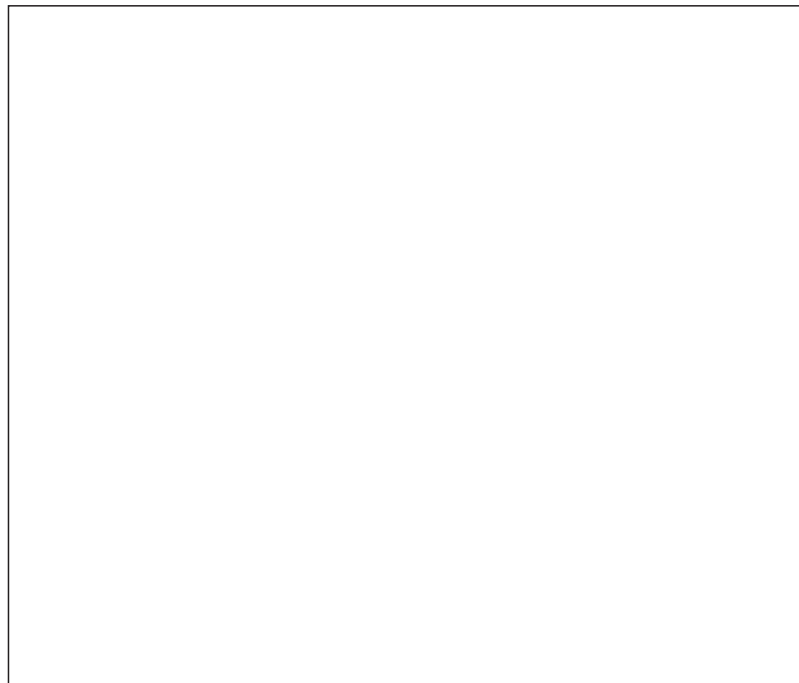


LG-G160

Instruction Sheet



160W LED RGB STUDIO LIGHT

▲Notice: This manual contains important information on how to install and use safely. Please read carefully and install accordingly as required. Please keep this manual properly in case you need it.

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- ◆ This product is in good condition and package is completed while in the factory. All users should strictly follow the warnings and operating instructions stated in this manual, and any damage caused by misuse or the neglect of the operating manual is not within the warranty of the distributors and manufacturer.
- If any change in technology parameters, shall take real product as criterion without notice.

Standard Configuration

- The following standard configurations are packed with the fixture, please check:

Items	Quantity	Unit	Remarks
Power cable	1	PC	
Power Adapter	1	PC	48V
Flight Case(without wheels)	1	PC	

Main Technical Parameters

Input power: 48V DC 3.34A, 100-240V AC

Maximum power: 160W

Control Mode: 1) International standard signal: DMX512, 5-core DMX512 interface (external wiring) 10 control channels
2) Master/Slave Sync Mode
3) 2.4G Mode
4) WiFi APP Lighting Control Mode

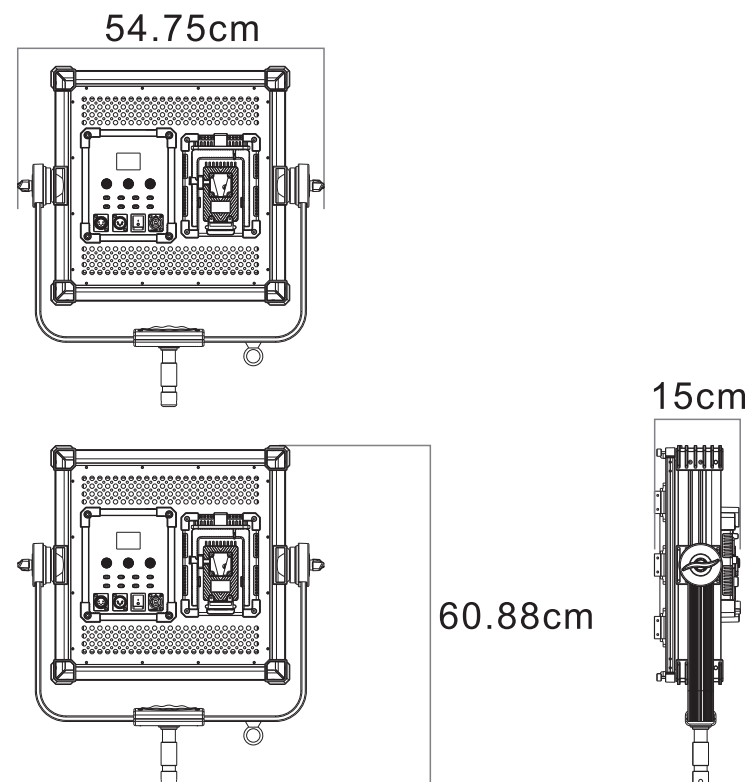
Optical Parameters:

Color temperature: 2700K-7500K

CRI (Ra): 95

Weight: 6.7 Kg Power Adapter: 0.8Kg Barn door Components: 1.5Kg

Size: shown blow



General Breakdown Analysis

Description of Breakdown	Measurements
The fixture cannot light up normally	1) Please check if there is any loose connection between the adapter and power cords or lighting socket. 2) Please check if the adapter voltage is within the specified range. 3) If an external battery is used, please check if the battery is in place. Please check if the battery voltage is the same as the specified voltage.
The fixture can light up normally, but cannot control with the controller	1) Check whether the DMX original address setting of the fixture is correct or not. 2) Check that the XLR signal cable is connected correctly or damaged.
LCD screen display garbled	Please turn off the fixture for 5-10 seconds and turn it on again.
The fan inside the fixture does not work	1) Please check if the fan is set to the off state manually; 2) Please check if the dust plugs the fan or the vent.
Lighting brightness decreases significantly	Please check if the fan is set to be manual off.
Barn doors cannot be removed	Please check if 4 screws on the corner of the protection angle are completely released.

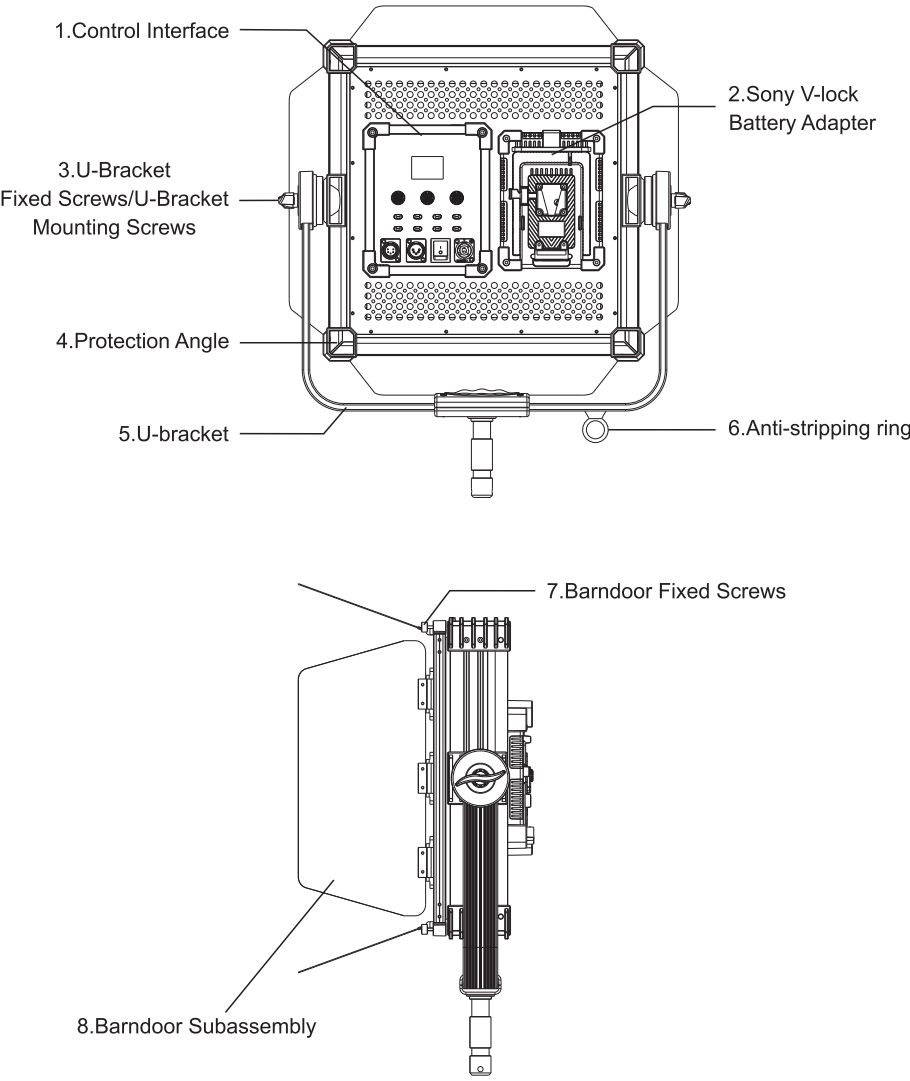
Please contact the local distributor or manufacturer for maintenance service if the faulty problems are still not solved after taking the breakdown analysis and exclusion as above.

Security Warning Info

- While receiving the fixture, please check the lights if there is any external damage due to transportation. Do not use the fixture if there is any external damage caused by shipping, and please contact the dealer or manufacturer as soon as possible.
- Please do not place the fixture in the vicinity of solvents such as alcohol or gasoline, or other common combustible materials.
- Qualified professionals and technical personnel are required to install, operate and maintain the fixture and ensure that they are strictly in accordance with the procedures described in the operating instructions.
- The fixture should be installed in a well-ventilated area, and check if the fan and vents are unobstructed or not.
- Do not stare at the light source for a long time to avoid damaging the eyes!
- Please do not open the fixture to repair on your own.
- Operators who perform electric connections must have the appropriate qualifications.
- Before installation, make sure that the power supply voltage you are using matches the voltage marked on the fixture.
- Do not use power cords with damaged insulation layer, and do not overlap the power cord with other wires. When the fixture is not working or needs to clean, please unplug the power cord, and pay attention not to drag the power cord directly for pulling out the plug.
- The temperature of the outer surface can reach 50°C when the fixture is used for a long time. Please be careful not to be scalded.
- If you have any questions or suggestions, please contact the distributors or manufacturer in time.

Notice: Before making any electric installation, repair and cleaning of the fixture, make sure that the power has been cut off.

Structure & Installation



8			
Lighting modes			
CCT	G: Green mixed lighting	000-255	Gradually change from dark to bright
HSI			
RGBW	W: White mixed lighting	000-255	Gradually change from dark to bright
9			
Lighting modes			
CCT	B: Blue mixed lighting	000-255	Gradually change from dark to bright
HSI	Cycle OFF	000-004	
	Cycle Time: 4-16S	005-255	
10			
Lighting modes	Flashing		
CCT			
HSI	OFF	000-010	
RGBW	Flashing:0. 1-16S	011-110	
Tungsten	Freq: 0-100	111-210	
Sodium Vepour	SOS	211-255	3 modes switch
Metal Halide			
Fluorescent			
Street			
Filters	Flashing		
L3202			
L3203			
L3204	OFF	000-010	
L3208	Flashing:0. 1-16S	011-110	
L3216	Freq: 0-100	111-210	
L3407	SOS	211-255	3 modes switch
L3411			
L3408			
L3409			
L3418			

Special Effects			
Storm	SPD		
Cop Car	Cop Single	000-042	6 modes switch
	Cop Double	043-084	
	Cop Quint All	085-126	
	Cop Quint	127-168	
	Cop Quad	169-210	
	Cop Cycle	211-255	
Candle Light	Warmer	000-085	3 kinds of light source switch
	Cooler1	086-172	
	Neutra	173-255	
Soft Disco	SAT	000-255	Gradually change from shallow to deep
Hard Disco	Colors3	000-032	8 kinds of light source modes switch
	Colors6	033-064	
	Colors9	065-096	
	Colors12	097-128	
	Colors15	129-160	
	Colors18	161-192	
	Colors21	193-224	
	Colors24	225-255	
Monitor	Warmer	000-085	3 kinds of light source switch
	Cooler1	086-172	
	Neutra	173-255	
Multi Flash	Modern	000-127	Selecting modes
	Blue	128-255	
7			
Lighting modes			
CCT	R: Red mixed lighting	000-255	
HSI			
RGBW	B: Blue mixed lighting	000-255	
Tungsten	B+: Blue compensation	000-255	
Special Effects			
Storm	Pause	000-127	Switch-flashing mode
	Start	128-255	
Cop Car			
Candle Light			
Soft Disco			
Hard Disco			
Monitor			
Multi Flash			

The fixture can be installed directly on the light stand, is also suitable for hanging installation.

If you choose the hanging installation, please purchase the Quick installation components of safety rope and installed it in four protection-angle hole of the fixture, please confirm if the installation of light is reliable and stable on the required hanging position, please make sure that the position has sufficient strength to support the fixture. For safety, the safety rope must be used passing through the U-Bracket to assist the lifting and ensure the safety.

Notice:

- 1.The safety rope is only used when lifting the fixture. Do not use them as a handle tool to carry the lights.
- 2.For safety, please ensure each safety rope can bear 25KG weight.

Install & Disassemble of the Barn doors

- When installing the fixture, fasten the fixture with a vertically upwards, insert the barn doors component from the top to the bottom, then tighten the fixing screws in a clockwise direction.
- When disassembling, fasten the fixture with a vertically upwards, turn it counterclockwise to release the fixing screws, slide the barn doors component out.

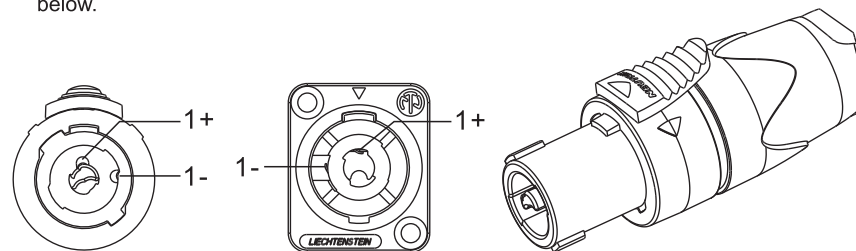
▲Notice: When installing and removing the barn doors component, please do not touch the filter of the front panel to avoid getting surface scratches.

Power Connection

- 1.When connecting the power supply, please note that the supply voltage and frequency should match the one marked on the power adapter.
- 2.When connecting an external battery or using the V-lock battery, please turn off the light first before plugging or unplugging the power cords or battery.

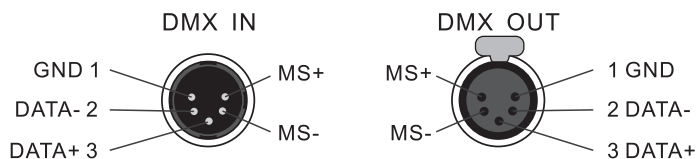
▲Notice:

- 1.Use only the power cords and power adapter delivered with the fixture or suggested by the manufacturer as an option.
- 2.The power plug on the adapter and the socket on the fixture should be connected as shown below.



Pin1+: Connect the positive side of the power supply
Pin1- : Connect the negative side of the power supply

Power Connection



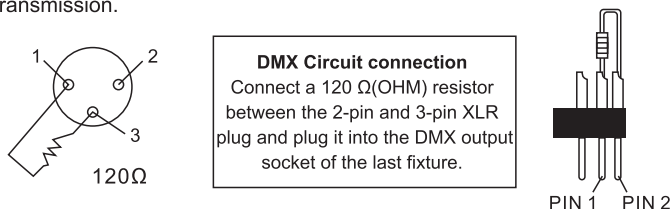
- The connection between the fixture and the console, and the fixtures between each one must use a 4-core shielded conducting wire with a diameter of not less than 0.3 mm. The connection between the XLR plug / socket and the conducting wire is shown above.
- Pin1, Pin2, Pin3 for connecting the DMX signal, Pin4, Pin5 for connecting the Master / Slave signal of the fixture.
- ▲Notice: When the socket is connected, the internal pin cannot touch the inner case, and the Pin and Pin can not touch each other. This fixture receives the international standard control signal: DMX512 (1990) .
- 5-core and 3-core XLR plug / socket switch
The fixture uses a 5-core XLR plug. If you are using a 3-core plug, please refer to the following illustration.

5 Pin Socket	3 Pin Plug	5 Pin Socket	3 Pin Plug
Pin 1:GND(SCREEN)	Pin 1:GND(SCREEN)	Pin 1:GND(SCREEN)	Pin 1:GND(SCREEN)
Pin 2:Signal(-)	Pin 2:Signal(-)	Pin 2:Signal(-)	Pin 2:Signal(-)
Pin 3:Signal(+)	Pin 3:Signal(+)	Pin 3:Signal(+)	Pin 3:Signal(+)
Pin 4:N/C		Pin 4:N/C	
Pin 5:N/C		Pin 5:N/C	

- ▲Notice: When using a 3-pin XLR plug, the Master / Slave Mode Control cannot achieve.

DMX Loop Insert

In the "DMX control mode", the DMX output port of the last fixture must be connected to the DMX circuit plug (optional accessories). There is a resistance of about 120Ω (OHM) between the 2-pin and 3-pin of this circuit plug (shown below). This circuit is inserted in the output of the last fixture, which can effectively avoid the noise and reflection of the DMX512 signal during transmission.



Sodium Vepour				
Metal Halide				
Fluorescent	Warmer	000-085	Select the light source effects	
	Coolerl	086-172		
	Neutra	173-255		
Street	YW	000-063	Select the light source effects	
	WW	064-127		
	NW	128-191		
	CW	192-255		
Special Effects				
Storm	Freq	000-255	The frequency changes from slow to fast	
Cop Car	B	000-063	Switch B / RB / BW / RBW 4 modes	
	RB	064-127		
	BW	128-191		
	RBW	192-255		
Candle Light	SPD	000-255	Gradually change from fast to slow	
Soft Disco	SPD	000-255	Gradually change from fast to slow	
Hard Disco	SPD	000-255	Gradually change from fast to slow	
Monitor	SPD	000-255	Gradually change from fast to slow	
Multi Flash	Freq	000-255	The frequency changes from slow to fast	
Filters				
L3202	3200K	000-127	2 modes switch	
L3203				
L3204				
L3208				
L3216	5600K	128-255		
L3407				
L3411				
L3408				
L3409				
L3418				
6				
Lighting modes				
CCT	GM: Red and green compensation		(-50)-(+50) Color compensation adjustment	
HSI	SAT		Gradually change from shallow to dee	
RGBW	G: Green mixed lighting		Gradually change from dark to bright	
Tungsten	G+: Green compensation		Gradually change from dark to bright	
Sodium Vepour				
Metal Halide				
Fluorescent				
Street				

DMX Control Channel

LG-G160 RGB studio light has a total of 10 control channels, can receive the DMX512 international standard signal, and its respective control channel content as follows

Channel	Contents	DMX Value	Descriptions
1	DIM (Dimmer)	000-255	Gradually change from dark to bright
2	Lighting Mode	000-028	OFF
		029-056	CCT
		057-084	HSI
		085-112	RGBW
		113-140	Tungsten
		141-168	Sodium Vepour
		169-196	Metal Halide
		197-224	Fluorescent
3	Special Effect	225-255	Street
		000-031	OFF
		032-062	Storm
		063-093	Cop Car
		094-124	Candle Light
		125-155	Soft Disco
		156-186	Hard Disco
		187-217	Monitor
4	Filters	218-255	Multi Flash
		000-023	OFF
		024-046	L3202
		047-069	L3203
		070-092	L3204
		093-115	L3208
		116-138	L3216
		139-161	L3407
		162-184	L3411
		185-207	L3408
5	Lighting mode	208-230	L3409
		231-255	L3418
	CCT	Lighting color temperature adjustment	000-255 2700K-7500K
	HSI	Lighting color selection	000-255 0-360°
	RGBW	Red mixed lighting	000-255 Gradually change from dark to bright
	Tungsten	R+: Red compensation	000-255 Gradually change from dark to bright

DMX Start Address Setting

- When using the console to control the fixture, each one must be set its DMX address, to receive the dimmer signal and response correctly. This product has a total of 10 channels, set the first fixture's DMX start address is set to 001, 011 for the second one displays, 021 for the third one displays, 031 for the fourth one displays, and so on.
- Press the Menu Button, LCD screen displays menu options, rotate the Selector Knob to select "Address" and press the knob to confirm, enter the DMX address code settings page, rotate the Selector Knob to set the fixture address code, stop your choosing then the system will save the default Display automatically(the upper right corner of the format for the Ch: XXX). Press the Back Button for exiting the settings interface.

▲Note: This DMX address code is equivalent to a wireless or WiFi address code when LEDGO wireless remote control or LEDGO WiFi lighting control is enabled.

WiFi 2.4G Remote Control

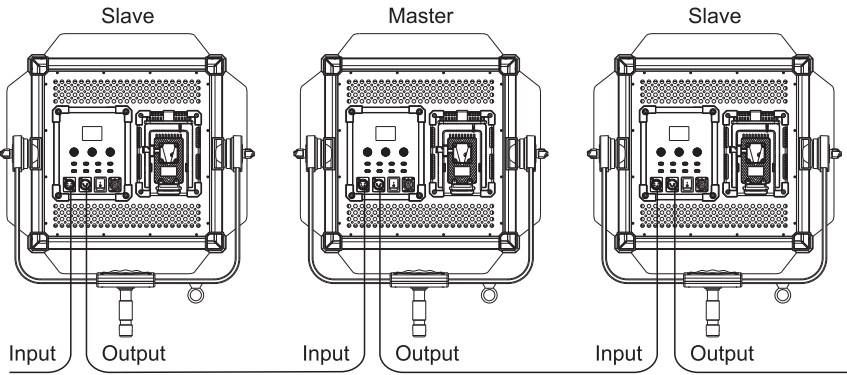
- The LG-G160 can be remotely operated with a 2.4G remote control or Wi-Fi APP lighting control system.

Notice: The 2.4G remote control or Wi-Fi APP lighting control system should be bought additionally (regarding the detailed operating instructions, please refer to the accessories manual).

Master/Slave Sync Mode

- If you need to connect multiple fixtures to the master / slave sync mode, first connect the XLR control cable from the DMX output port of the first fixture to the DMX input port of the second fixture, and connect the DMX output port of the second fixture to the DMX input port of the third fixture, and so on, until all the fixture are connected.
- Operation control panel MENU button, press the Selector knob which can switch the Combined Control Mode option, rotate the Selector knob and press selecting the desired mode, select the Master mode in the random preset host lights, and set the Slaver mode in the slave machine, which achieves the Master / Slave Sync Mode control, at this point the slave operating mode is the same as the host one. That is, it can be controlled through the lighting of a host fixture to control the entire group of fixture's lighting
- In Master / Slave Sync mode, if the slave does not want to be controlled by the host, you can set the combined control mode of the fixture in OFF mode.

- ▲Note:1. Fixture default DMX control priority, if the fixture connected to the DMX dimming console, only can be controlled by the console and cannot be operated the Master / Slave Sync mode.
2. When setting the master / slave mode, there is only one host fixture among all connected fixtures , cannot set two or more than two hosts at the same time.



7.Combined Control Moed	Combined Control Moed OFF Master Slaver Rotate the Selector Knob for selecting Combined Control Mode.			
8. Address	ADDRESS 512 Rotate the Selector Knob for selecting the Address.			
9. Fan	ON OFF Rotate the Selector Knob for selecting to turn ON/OFF the Fan.			Fan setting instructions: When you choose to the OFF mode, the fixture output brightness is 50%;When you choose to the ON mode, the fixture output brightness is 100%
10. Version	Version X.XX.XX Display the fixture version number			

4.Scenes	Save Used to extract the user-defined scenes or lighting effects, five kinds of scenes are available.	SAVE SCENE-1 SCENE-2 SCENE-3 SCENE-4 SCENE-5	Do you save the scene? NO YES	Scene-Save operation instructions: used to save the current settings scene, pressing the Scenes Button can enter the Scene Save Mode, save customized scene according to the display contents.
	Extraction Used to extract the user-defined scenes or lighting effects, five kinds of scenes are available.	Extraction SCENE-1 SCENE-2 SCENE-3 SCENE-4 SCENE-5	Do you extract the scene? NO YES	Scene-Extraction operation instructions: used to extract five kinds of scenes, pressing the Scenes Button can enter the Scene Extraction Mode, extract customized scene according to the display contents.
5. Flashing	OFF 250mS 500mS 1000mS 2000mS SOS Rotate the selector knob to select the duration of the flashing or turn it off.			
	User-Defined For customizing the duration of flashing.	Flash-User Defined Ch:001 6.0S		
	Random Blink For customizing the frequency of the flashing.	Flash-Random Blink Ch:001 Freq:100%		
6. Cycle	OFF 4S 8S 12S 16S Rotate the Selector Knob or adjusting the color retention time or turn off the loop function.			
	User Defined For customizing the Cycle Time.	Cycle-User Defined Ch:001 16.0S		

Control Panel Functional Buttons



- 1.CCT Button:Press it which can switch the CCT Dimming Mode according to your demands.
Rotate the No.1 knob for adjusting the brightness;
Rotate the No.2 knob for adjusting the color temperature;
Rotate the No.3 knob for adjusting the G/M color compensation.
- 2.Color Trimming Button:Press it which can switch directly into the RGB color trimming mode, the user can do color trimming based on the original mode according to your demands:
The No.1 knob is for the Red color trimming mode;
The No.2 knob is for the Green color trimming mode;
The No.3 knob is for the Blue color trimming mode.
- 3.RGBW Button:Press it which can switch the RGBW Dimming Mode,Rotate the Intensity Knob for adjusting the lighting brightness; Press the Selector Knob can select the R/G/B/W color mode then can rotate the No.2 knob for adjusting the color mix.
- 4.Menu Button:Press it which can display the menu operating mode on the LCD screen.
- 5.Filters Button:Press it which can switch the filters modes.Rotating the Intensity Knob can select the filter color; Rotate the No.3 Knob can select the color temperature 3200K OR 5600K and entering to get different filter effects.
- 6.Special Effects Button:Press it which can switch the Special Effects Mode.Rotating the Intensity Knob can choose what special effect you need, then set the relevant parameters with rapid simulation of a variety of special scene lighting effects.
- 7.Scenes Button:Press it which can switch the Scenes Mode to extract or save the customized scenes.
- 8.Back Button:Press it which can operate the LCD Screen menu displaying return to the previous level interface.

Operation Menu

Power On displays LEDGO...				
1 st Menu Press the Selector knob to enter.	2 nd Menu Press the Selector knob to enter.	3 rd MENU	4 th Menu	Instructions
1.Lighting Modes	CCT Displays the light brightness & color temperature.Rotate the Selector Knob for adjusting the R/G compensation.	Mode:CCT Ch:001 DIM:100% CCT:5600K GM:+00 R:0% G:0% B:0%		In the CCT operation interface, if you want to add R.G.B color trimming function, you can press the Color Trimming button on the panel to operate and add the color according to the display contents, press the Scenes key can save the current scene, the fixture enters the Scene Save Mode, you can extract or save the user-defined scene according to the displayed contents.
	HSI Displays the light brightness.Rotate the Selector Knob for adjusting the intensity of the lighting color.	Mode:HSI Ch:001 DIM:100% HSI:360° SAT:100%		
	RGBW Displays the brightness percentage of the RGBW.	Mode:RGBW Ch:001 DIM:100% R:100% G:100% B:100% R:100%		
	Tungsten	Mode:Tungsten Ch:001 DIM:100% R:0% G:0% B:0%		In the Tungsten operation interface, if you want to add R.G.B color trimming function, press the Color Trimming Button on the panel to operate and add the color according to the display contents, press the Scenes key can save the current scene, the fixture enters the Scene Save Mode, you can extract or save the user-defined scene according to the displayed content.
	Sodium Vepour	Sodium Vepout Ch:001 DIM:100%		
	Metal Halide	Metal Halide Ch:001 DIM:100%		
	Fluorescent Rotate the Selector Knob for selecting 3 lighting effects on the menu.	Fluorescent Ch:001 DIM:100% Warmer Cooler Neutral		
	Street Rotate the Selector Knob for selecting 4 lighting effects on the menu.	Mode:Street Ch:001 DIM:100% YW WW NW CW		

2.Filters	OFF L3202 L3203 L3204 L3208 L3216 L3407 L3411 L3408 L3409 L3418 Rotate the Selector Knob for selecting 10 kinds of filters effect or turn off it.	L3202 Ch:001 DIM:100% 3200K 5600K Rotate the Selector Knob for selecting two lighting color temperature effects		
	OFF			
3. Special Effect	Storm Enter the menu to set the brightness, frequency and amplitude,press the Selector Knob for adjusting the start or the pause.	Storm Ch:001 DIM:100% Freq:100% SPD:100%		
	Cop Car Enter the menu to set the brightness, rotate the Selector Knob for selecting the modes.	Cop Car Ch:001 DIM:100% Color:RBW Mode:Single		
	Candle light Enter the menu for adjusting the brightness, speed and mode.	Caneld Light Ch:001 DIM:100% SPD:100% Mode:Single		
	Soft Disco Enter the menu for adjusting the brightness, speed and color type.	Soft Disco Ch:001 DIM:100% SPD:100% SAT:100%		
	Hard Disco Enter the menu for adjusting the brightness, speed and saturation.	Hard Disco Ch:001 DIM:100% SPD:100% Colors:24		
	Monitor Enter the menu for adjusting the brightness, speed and color type.	Monitor Ch:001 DIM:100% SPD:100% Mode:warmer		
	Multi Flash Enter the menu for adjusting the brightness, frequency and mode.	Multi Flash Ch:001 DIM:100% Freq:100% Mode:Modern		