

LED 6X18W

RGBLA+UV Uplight

Item Number: LL618U

USER MANUAL



This user manual includes important information for installation and operation. Please read this user manual carefully to install, operate, and maintain the lighting safely and correctly. A verified technician should do the installation and operation.

Please carefully check for any damages caused by transportation.

Before delivery, this device has passed strict quality control and inspection. Please follow the user manual for proper operation. If this fixture is damaged due to operation error or disregard of this manual, the fixture will be out of warranty, and the manufacturer or dealer will not be held responsible.

Installation:

Ensure the fixture is powered off before installation or maintenance. Keep the fixture at least 1.5ft. away from any combustible material, as it is not suitable for direct installation on these surfaces. The applicable temperature for this fixture is between 25°F to 113°F. Do not use the fixture under or above this temperature range.

Power off the fixture before installation or maintenance. Before operating, ensure that the voltage and frequency of power supply match the power requirements of the unit.

The LED 6X18W RGBLA+UV Uplight is a rechargeable RGBLA+UV LED uplight with DMX and WiFi connections for indoor use. When you receive the fixture, please carefully unpack it and check whether the following items are included inside of the box.

Main Features:

With wireless connection function.

Control by mobile through WiFi, supporting Android 2.3+ and iOS 4.3+ (compatible with WiFi-enabled motherboards).

Mobile app name: LEDWiFi.

Static color selection: 6 colors with adjustable brightness (0-255) and strobe function (adjustable speed: 0-20).

Macro effects: 16 selectable options.

Automatic color switching function with adjustable speed (1-20).

Color gradient and mutation functions, both with adjustable speed (1-20).

Strobe effects with red, green, blue, and yellow backgrounds (adjustable speed: 0-20).

White balance adjustment: Fine-tune the brightness of 6 colors for pure color mixing (value range: 127-255).

Battery icon: Toggle on or off depending on product configuration; can be disabled for products without batteries.

Screen saver setting: Choose between always on or auto-off for the display backlight after 5, 10, or 15 seconds.

Infrared remote control: Enable or disable via menu settings.

Selectable LED output power: High (50W), Medium (40W), Low (30W)

Product Specifications:

Input power: AC100-240V

Power frequency: 50/60Hz

Power: 50W

Battery type: lithium-ion

Battery storage: 12Ah

Battery charging current 4A

Battery run time: 3 hrs at full RGBA on λ Battery charging cycle: 4 hrs

Average lifespan: 500 times charge and discharge

Source: RGBLA-UV 6in1 LED λ Average lifespan: 50,000 hours

Color : RGBLA-UV

Linear dimming: 0-100% Linear Dimmer λ Strobe: 0-20Hz

Beam Angle: 40°

Color mixing, including lemon color

16 Built-in macro effects..

Strobe effect, Automatic color switching, Color gradient and mutation functions with speed control

Control protocol: DMX512 wireless/ DMX512

DMX channel: 6/10CH

DMX connector: DMX 3-Pin XLR input/output

Power connector: PowerCon input/output

Control mode: DMX/Master-Slave/Auto/Sound

LCD Display

IP Rating: IP20

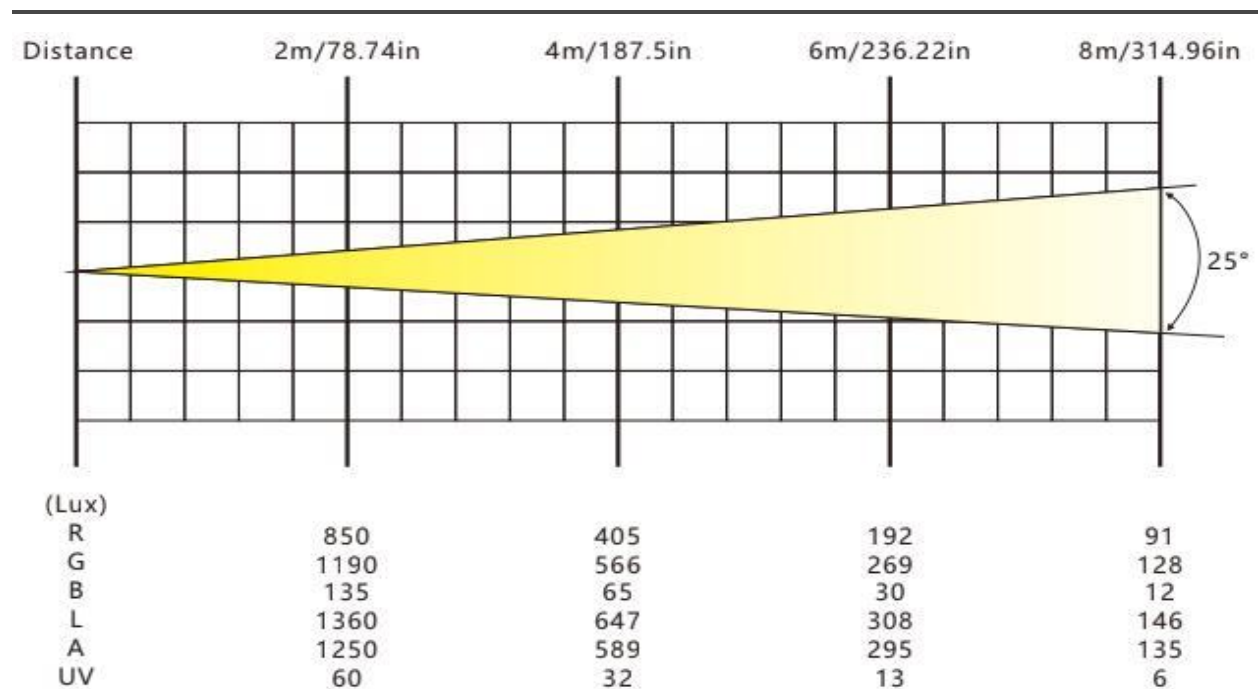
Housing color: black

Working ambient temp.: -10°C to 40°C (-14°F to 104°F)

Dimensions: 137 x 137 x 200mm / 5.4 x 5.4 x 7.9in

Weight: 2.4kg / 5.3lb

Photometric Diagram:



Buttons instruction:

MENU	Select Function
UP	Increase value
DOWN	Decrease value
ENTER	confirm and save

After powering on, press the Menu button to display the menu function table. Use the Up or Down buttons to adjust the function values, and press Enter button to save the current settings (these settings will be retained after power-off). Below are some functions that you can use:

Menu	Sub-menu	Function	Value
"Choose Pattern"	"Static Color"	(Color)	(Dimmer)
		Red	0-255
		Green	0-255
		Blue	0-255
		Lime	0-255
		Amber	0-255
		Purple	0-255
		Strobe	0-20
	"Macro"	1-32	
	"Show"		(SPEED)
		"AUTO"	0-20
		"FADE"	0-20
		"SNAP"	0-20
		"R-STRO"	0-20
		"G-STRO"	0-20
		"B-STRO"	0-20

		“A-STRO”	0-20
	“Sound Options”	(Sensitivity)	
		Sound1	0-100
		Sound2	0-100
		Sound3	0-100
"User Settings"	1." Channel"	06/10	
	2." DMX Address"	(Addressed)	
		001-512	
	3." Follow"	(Mode)	
		1.W-DMX RCVD	
		2.DMX512 RCVD	
		3.Syn Transmit	
	4." WiFi"	WiFi Mode	
"System Settings"	1."White Balance"	(Color)	(Brightness)
		Red	127-255
		Green	127-255
		Blue	127-255
		Lime	127-255
		Amber	127-255
		Purple	127-255
	2."Show Battery Icon "	YES/NO	
	3."Display Sleep"	Open/5Sec/10Sec/15Sec	
	4"AutoLock"	ON/OFF	
	5."Infrared Setting"	ON/OFF	
	6."Wireless Setting"	ON/OFF	
	7."Factory Reset"	YES/NO	
"Informations"	1.“WiFi”		
	2.”VER	Software, Hardware Info	

Operation Instruction: Switch Operation:

Power-On:

In the off state, press MENU for 3 seconds to light up the digital tube and enter the power-on state, allowing for functional operations. If the fixture is not connected to the power supply, press MENU to check the battery power.

Power-Off:

In the power-on state, press MENU for 3 seconds. The digital tube will display "OFF" and then turn off, entering the power-off state and cutting off the battery power supply.

Menu Navigation:

To select a preset function, press MENU to enter the main menu. The display will show the corresponding menu function. Press MENU again to select the next menu function. Repeatedly pressing MENU will cycle through the menu functions. Use UP/DOWN in the main menu mode to select different options. After making a selection, press ENTER to confirm or enter the next menu function. When setting system parameters, pressing ENTER will automatically return to the previous menu function status. System parameters are saved automatically without needing to press a confirm key.

Select "Choose Pattern" and press ENTER to confirm. The display will show the corresponding function menu, such as static color, macro function, or performance mode. Use UP/DOWN to toggle between functions. Press ENTER to enter the next menu item, or press MENU to return to the previous menu mode. After making your selection, the parameters will be saved automatically.

“User Settings” :User Console Mode Setting

Select "User Settings" and press ENTER to confirm. The display will enter the channel option. Use UP/DOWN to select "6Ch" (6-channel mode) or "10Ch" (10-channel mode). Press ENTER to proceed, and the menu will automatically jump to "DMX512" address setting mode. Use UP/DOWN to adjust the address code between 1 and 512. After selection, the values will be saved automatically. Press ENTER again to return to the main interface. When the DMX512 signal is received, the interface will display a "Connection" prompt. If the DMX512 signal is disconnected, a "Disconnect" prompt will appear. Pressing ENTER or MENU will exit to the previous menu mode.

“Slave” Mode:Slave Operation

In the address code mode, regardless of the set address code value, the display will show "Slave Mode!" upon receiving the signal from the master, indicating it has entered the receiving mode of the auxiliary machine. After selection, the parameters will be saved automatically. If the main machine's signal is disconnected, a "Disconnect" prompt will appear. Pressing ENTER or MENU will exit to the previous menu mode.

“System Settings” Mode:System Configuration

Select "System Settings" and press ENTER to enter the next menu. Use UP/DOWN to toggle between different settings. Press ENTER or MENU to exit to the previous menu mode.

DMX Control Setting:

Under the "User Settings" interface, press ENTER to confirm. The screen will display "Channel" (channel mode). Use the UP/DOWN buttons to select either "6CH" (6-channel mode) or "10CH" (10-channel mode) as needed. Press ENTER to automatically navigate to "DMX512" (DMX512 address code setting). Use the UP/DOWN buttons to adjust the address code between 1 and 512, enabling the reception of DMX512 console control signals.

DMX512 Address Settings:

For the first four lights, set the DMX512 address as follows:

6CH mode:

1: A001, 2: A007, 3: A013, 4: A019

10CH mode:

1: A001, 2: A011, 3: A021, 4: A031

Wifi Connection:

On your fixture, find “User setting”, choose "Follow" , press ENTER and select among:

1. W-DMX RCVD" for wireless receiving mode. When the device receives a signal from the wireless console, it will respond accordingly. If it receives a signal from the master, "Slave Mode!" will be displayed, and the device will follow the master's actions.

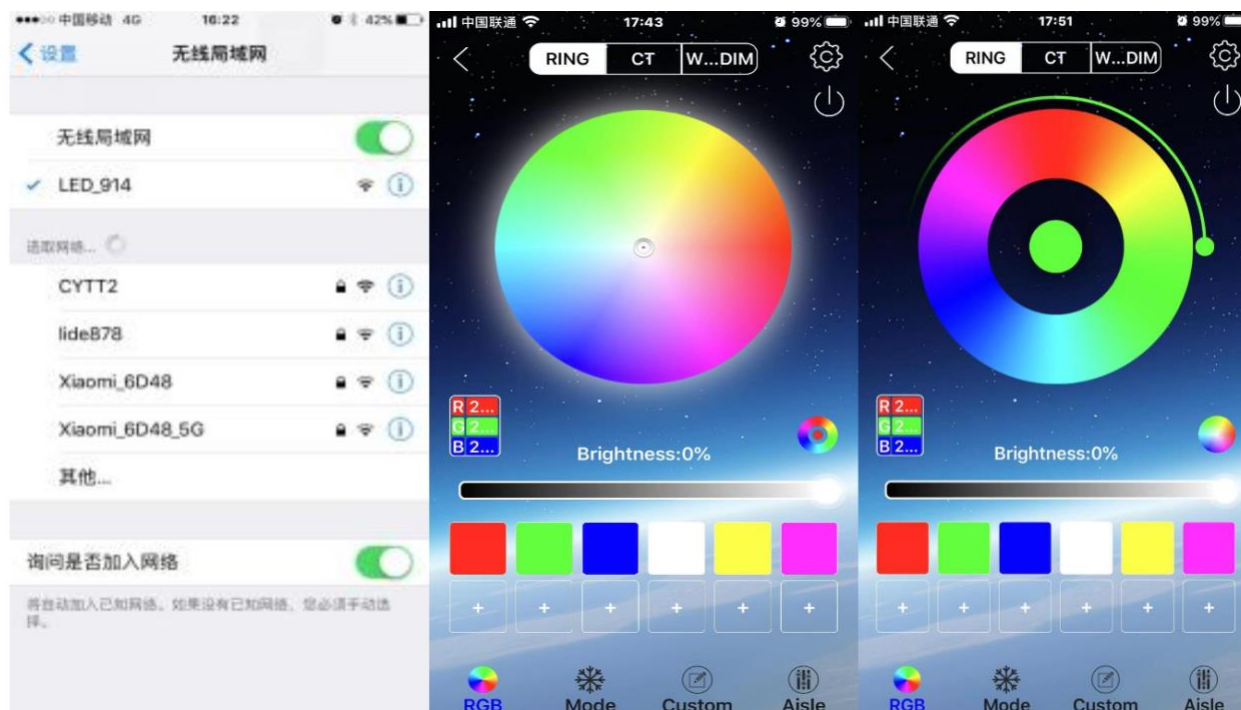
Cable RCVD" for a wired connection to the DMX512 console signal. Selecting this will automatically disable the wireless module.

Choose Pattern: Selecting Mode

Syn Transmits" to enable the wireless module in transmitting mode. In performance mode, the device acts as the master, transmitting the signal output through the wireless module so that other lamps set in wireless receiving mode will follow the master's actions. If connected to the DMX512 console signal, the device can also act as a console transmitter, synchronizing all connected lamps with no delay. Lamps can be added at any time and will synchronize without requiring all lamps to be powered on simultaneously.

Then In the "User Settings" interface, press ENTER, then use the UP/DOWN buttons to select "WiFi" (WiFi mode). Press ENTER again, and a WiFi icon will appear, indicating that the WiFi module is now on. You can then connect and control the device via your mobile phone.

Ensure you have a smartphone with Android 2.3+ or iOS 4.3+ (compatible with WiFi-enabled motherboards). Download the "LED WiFi" app from the app store and prepare it for connection. On your phone, go to the wireless and network WLAN settings and connect to the device named "LED_xxx" as shown in the figure below:



Once the connection is successful, exit the mobile phone's settings, open the "LED Wifi" app, and the color ring control interface will appear, allowing you to perform the corresponding mode operations.

Channel Mode: 6

Channel	Value	Description
1	0~255	Red dimmer
2	0~255	Green dimmer
3	0~255	Blue dimmer

4	0~255	Lime dimmer
5	0~255	Amber dimmer
6	0~255	UV dimmer

Channel Mode: 10

Channel	Value	Description
1	0~255	Dimmer, when 9th channel value is between 0~9
2	0~9	Strobe off
	10~255	Strobe: Number 10 is the slowest, number 255 is the fastest
3	0~255	Red dimmer, maximum value determined by master dimmer
4	0~255	Green dimmer, maximum value determined by master dimmer
5	0~255	Blue dimmer, maximum value determined by master dimmer
6	0~255	Lime dimmer, maximum value determined by master dimmer
7	0~255	Amber dimmer, maximum value determined by master dimmer
8	0~255	UV dimmer, maximum value determined by master dimmer
9	0~9	Dimmer
	10~29	Choose this range and then use the 10th channel to select colors
	30~49	Jump (Use the 10th channel to control speed)
	50~69	Gradient (Use the 10th channel to control speed)
	70~89	Mutation (Use the 10th channel to control speed)
	90~109	Steady red + strobe (Use the 10th channel to control speed)
	110~129	Steady green + strobe (Use the 10th channel to control speed)d
	130~149	Steady blue + strobe (Use the 10th channel to control speed)d
	150~169	Steady amber + strobe (Use the 10th channel to control speed)
	170~189	Steady uv + strobe (Use the 10th channel to control speed)
	190~209	Sound jump
	210~229	Sound jump+gradient

	230~255	Sound-activated strobe
10	0~255	<p>The function of this channel depends on the value of the 9th channel: When the value of the 9th channel is between 10~29, this channel is used to select colors;</p> <p>When the ninth channel value is between 30-189, then this channel controls their speed: 0 is the slowest, 255 is the fastest</p>

Symbol Instruction on Fixture:



CE certificate



RoHS certificate