Package Contents



Flexible LED×1



Softbox ×1



Grid ×1



Power Adapter ×1



AC Power Cable ×1



Control Box ×1



Adapter Mount ×1

Diffuser Cloth A ×1

Diffuser Cloth B ×1



Foldable Holder ×1

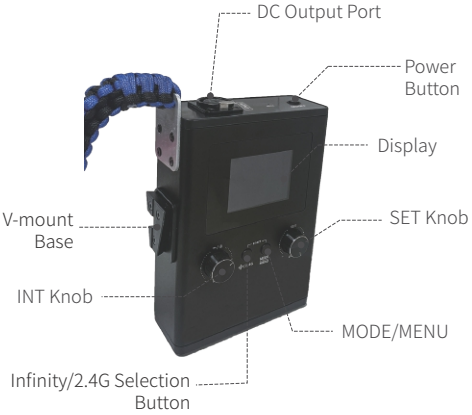
NEEWER®

User Manual ×1



Carrying Bag ×1

Illustration





Overview of Features

- **Power Button**

  Long press: Power on/off

- **INT Knob**

  When in the menu interface, short press the knob to exit the menu.
  Long press: Lock/Unlock the screen.
  When the icon appears after a long press, the screen is locked. Light settings can no longer be adjusted.
  When the icon disappears after a long press, the screen is unlocked. Full adjustment of the light settings is now possible.
  Rotate: Adjusts the brightness of the light source. Turn it counterclockwise to decrease brightness, and clockwise to increase.

- **SET Knob**

  Short press: Switches between menu parameters / confirms options in the MENU interface.
  Rotate: Adjusts submenu parameter values /scrolls up and down in the MENU interface.

- **MODE/MENU Button**

  Long press: Enters the MENU.
  Short press: Switches between following lighting modes (MODE) CCT/HSI/RGBCW/FX/XY/GEL/SOURCE MATCHING

- **Infinity/2.4G Switch Button**

  Short press: Switches between Infinity and 2.4G modes.

- **Bluetooth Reset**

  Long press: Infinity/2.4G Selection button
  + MODE/MENU button

Overview of Features

Functions /Icons	Functions	Settings Icons	Settings & Descriptions
DIMMING CURVE	Dimming Curves		Linear
			S-Curve
			Logarithmic
			Exponential
INFINITY MODE	Wireless Mode		Infinity Mode
		2.4G	2.4G Mode
2.4G CHANNEL	2.4G Channels	00-99	Any number between 00~99
DMX SWITCH	DMX Switch	ON	Turn On
		OFF	Turn Off
DMX ADDR	DMX Channels	001-512	Any number between 001-512
DMX MODE	DMX Mode	CCT&RGB 8CH	12 Modes
		CCT 4CH	
		CCT&HSI 7CH	
		RGB 5CH	
		HSI 4CH	
		GEL 4CH	
		XY 4CH	
		Source 4CH	
		FX 7CH	
		RGBCW 6CH	
		ULtimate mode 9CH	
		NEEWER 7CH	
DMX LOS	DMX Signal Loss	0 S	Instant Off
		60 S	Gradual Off
		180 S	Maintains effect for 2 minutes before fading off
		SAVE	Memory
DMX SMOOTH	DMX Smooth	SMOOTH	Smooth
		SUPER SMOOTH	Super Smooth
		OFF	Turn Off
STUDIO MODE	Studio Mode	ON	Turn On
		OFF	Turn Off
LANGUAGE	English	ENG	—
FIRMWARE VERSION	Version	1.0.xx	—

Overview of Features

Functions /Icons	Functions	Settings Icons	Settings & Descriptions
INFINITY RESET	Infinity Reset	YES	Yes
		NO	No
RESET ALL SETTINGS	Factory Reset	YES	Yes
		NO	No
OUTPUT MODE	Brightness Output Mode	CL	Constant Brightness Mode
		CP	Maximum Power Output Mode
EXIT	Exit Menu	—	—

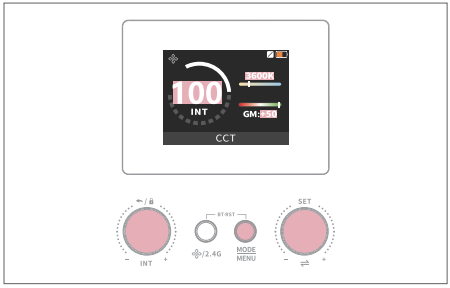
Menu Interface

MENU	
DIMMING CURVE	◄ ▨ ►
INFINITY MODE	2.4G
2.4G CHANNEL	00
DMX SWITCH	ON
DMX ADDR	001
DMX MODE	GEL 4CH
DMX LOS	0 S
DMX SMOOTH	SMOOTH
STUDIO MODE	ON
LANGUAGE	ENG
FIRMWARE VERSION	1.0.25
INFINITY RESET	ON
RESET ALL SETTINGS	
OUTPUT MODE	CL
EXIT	

Three ways to exit the menu

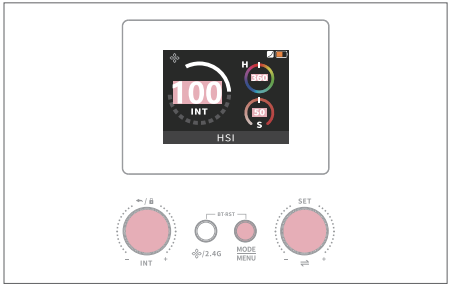
1. Short press ↩ the INT knob.
2. Short press the MODE button.
3. Select EXIT and short press the SET knob.

CCT



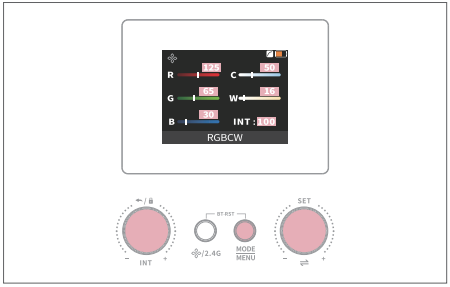
Short press the **MODE** button to switch to **CCT** mode. This will allow you to short press the **SET** knob to toggle between parameters and rotate it to adjust color temperature from 2500K~10000K / GM value from -50~+50; or turn the **INT** knob to adjust brightness within the range of 0%~100% (±1%).

HSI



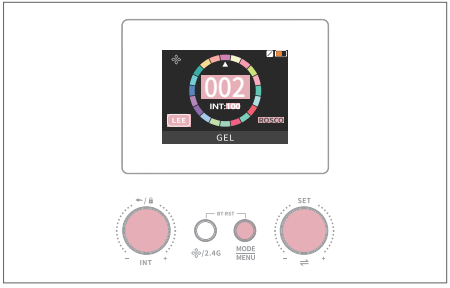
Short press the **MODE** button to switch to **HSI** mode. Short press the **SET** knob to toggle between parameters and rotate it to adjust hue from 0~360° / saturation from 0%~100%; or turn the **INT** knob to adjust brightness within the range of 0%~100% (±1%).

RGBCW



Short press the **MODE** button to switch to **RGBCW** mode. Short press the **SET** knob to toggle between parameters and rotate it to adjust R\G\B\C\W values (0~255); or turn the **INT** knob to adjust brightness within the range of 0%~100% (±1%).

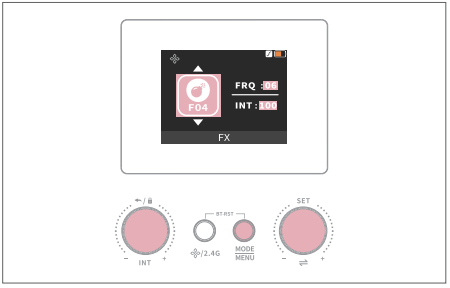
GEL



Short press the **MODE** button to switch to **GEL** mode. Short press the **SET** knob to toggle between parameters and rotate it to select colors from LEE (20 built-in gel colors) and ROSCO (20 built-in gel colors); or turn the **INT** knob to adjust brightness within the range of 0%~100% (±1%).

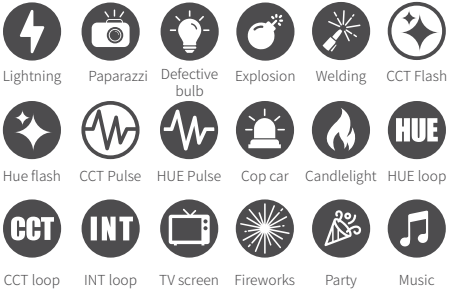
Overview of Features

FX



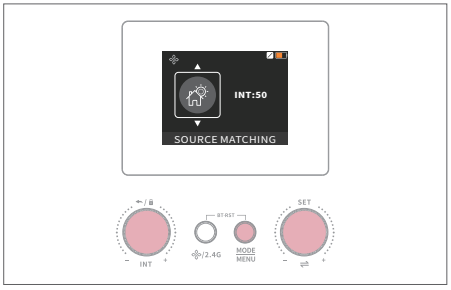
Short press the **MODE** button to switch to **FX** mode. Short press the **SET** knob to switch between parameters and rotate it to select one of the lighting modes / speeds; or turn the **INT** knob to adjust brightness within the range of 0%~100% (±1%).

Scene modes



Overview of Features

SOURCE MATCHING



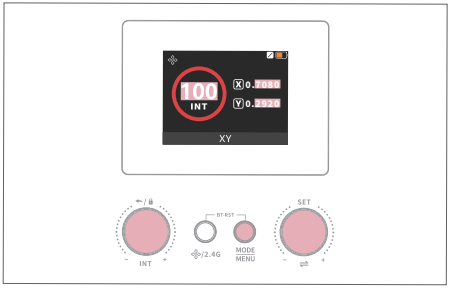
Short press the **MODE** button to switch to **SOURCE MATCHING** mode. Short press the **SET** knob to choose from 17 light sources; or turn the **INT** knob to adjust brightness within the range of 0%~100% (±1%).

Light Source Modes

Sunrise/Sunset 1800K	Candlelight 1900K	Dawn 5000K	Daytime 5500K	Daylight 6500K	Cloudy 7000K
Moonlight 8000K	Blue Sky 10000K	Incandescent Lamp 3200K	Video Lamp 3300K	Modeling Lamp 3400K	5600 Dysprosium Lamp 5600K
Daylight Dysprosium Lamp 6000K	Sodium-Vapor Lamp 2200K	Warm White Halogen Lamp 2700K	White Halogen Lamp 4300K	Xenon Short-Arc Lamp 6200K	

Overview of Features

XY



Short press the **MODE** button to switch to **XY** mode. Short press the **SET** knob to switch between parameters and swiftly rotate it to quickly adjust the **X/Y** values (0.0000~0.8000); or turn the **INT** knob to adjust brightness within the range of 0%~100% (±1%).

Setup Instructions



① Unfold the folding holder to both sides as shown.



② Attach the holder to the LED fabric and press the button down manually.



③ Attach the adapter mount to your light stand , and then secure the LED fabric base onto it.

Setup Instructions



④ Align the softbox with the light fabric and secure it using the Velcro along the light's edge. (Note: An opening is left for cables.)



⑤ Mount the control box on the light stand and secure it.

※ Heavy-duty clamp not included.



⑥ Connect the control box to a power source.



⑦ Attach the diffusion cloth along the inside edges of the softbox.

Setup Instructions



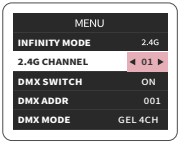
⑧ Unfold the grid and attach it around the inside of the softbox.

※ Light stand not included.



⑨ Done.

Channel Settings

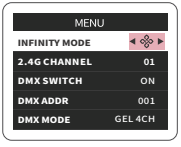


—2.4G Connection—
Long press the **MENU** button to enter the menu interface. Rotate the **SET** knob and stop at **INFINITY MODE**. Then press the **SET** button and turn it again to select **2.4G**. Finally, short press the **SET** button one more time to activate the channel.

Rotate the SET knob to select 2.4G CHANNEL, press the SET button to set the channel value, and press it again to confirm.

※ In 2.4G mode, if multiple LED lights are set to the same channel (e.g., CH: 08), adjusting one light will cause the others to change synchronously.

Mobile APP Control



—Infinity Connection—
Long press the MENU button to enter the menu interface. Rotate the SET knob and stop at INFINITY MODE. Then press the SET button and turn it again to select ✥. Finally, press the SET button one more time to switch to Infinity mode.

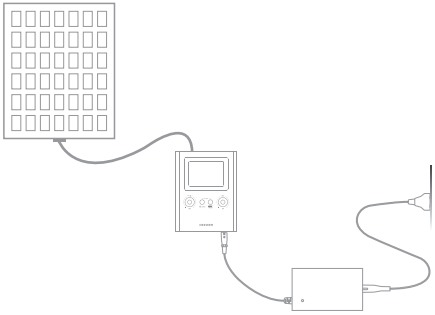
Connect the device to the 'NEEWER' app to control it on your phone. To access more detailed instructions, please scan the QR code on the APP Guide Card.

※ Please reset Infinity mode before connecting to the APP. Long press Infinity/2.4G selection button and MODE/MENU button, or select INFINITY RESET in the MENU, which will reset this mode.

Instructions for Use

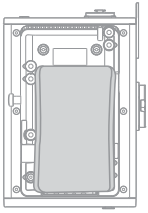
Method 1: Power Supply Using an Adapter

Insert the connection cable from the LED light into the DC out port on the control box Then, plug the cable from the power adapter into the box's power input. Connect it with the AC cable and plug into a socket. Long press the power button until the icon '🔌' appears on the screen.



Method 2: Power Supply Using a V-Mount Battery

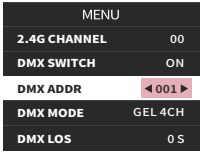
Align the V-mount battery with the 5-pin base on the back of the control box and slot into the support . Long press the power button until the icon '🔋' appears on the screen.





● DMX Connection (when connecting to a console)

Long press the MENU button to enter the MENU interface. Select the **DMX SWITCH** option and set it to **ON**. Connect the DMX cable as shown in the left diagram to connect to the DMX console.



● DMX Channel Adjustment (when connected to a console)

◎ When the DMX connection interface is displayed, simply rotate the **SET** knob to adjust the channel.

◎ Long press the MENU button to enter the MENU interface. Select the **DMX ADDR** option to adjust the channel.

● Disconnecting from the DMX console

◎ Unplug the cable connecting the DMX console and the light.
◎ Long press **MENU** Button to enter the **MENU** interface and set the DMX status as "**OFF**".

● Channel Selection:

When DMX is activated, you can connect to the console. Set the console on a matching DMX channel, and it will allow you to perform various function modifications. This setup is suitable for connecting one or multiple consoles.

*In DMX mode, the control channel is 1 by default.
*In DMX mode, the available channels are 1-512.
*If the DMX signal is lost, the light will recall the last signal used.

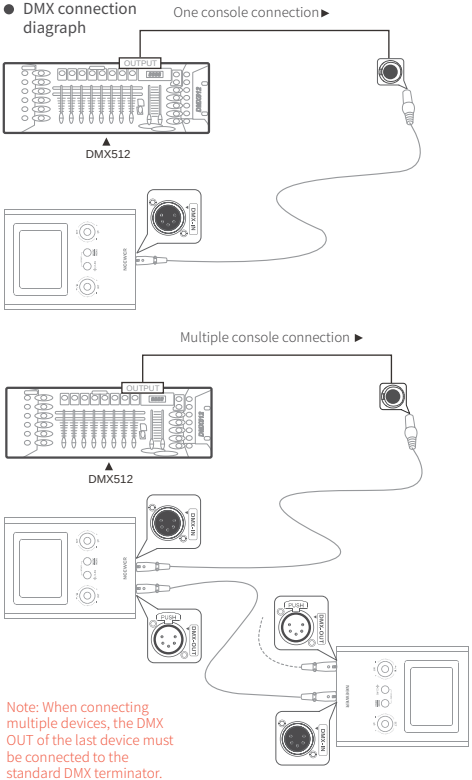
● DMX console control:

※ In DMX mode, please refer to the "FL100C DMX Channel Table" appendix for related control schemes.

1. Connect the DMX cable to DMX console.
2. Connect the DMX cable to light.

Instructions for Use

● DMX connection diagraph

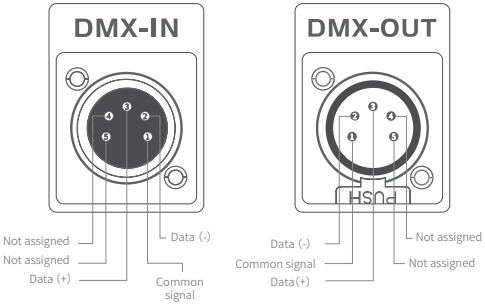


Note: When connecting multiple devices, the DMX OUT of the last device must be connected to the standard DMX terminator.

Instructions for Use

- When purchasing DMX cables from a third party, please check the interface protocol and make sure it is compatible with the light.

DMX interface protocol is shown below:

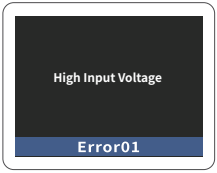


Caution

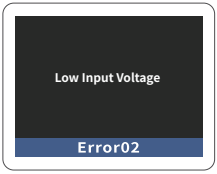
1.Avoid staring directly at the lights to prevent harm to your vision.
2.Ensure efficient heat dissipation by not covering the vents with fabric materials or other objects.
3.Refrain from touching the product with wet hands, as it may damage the circuit panel.
4.Never disassemble the product or attempt to modify the circuit panel.
5.Keep the product away from direct sunlight to prevent potential damage.
6.Always disconnect the power cord when the product is not in use.
7.After use, allow the product to cool off before storing it in a bag to avoid heat-related damage to the LEDs.

Fault Diagnosis

- High-voltage Protection



- Low-voltage Protection



- Low Battery Warning



Specifications

EN

Model	FL100C
LED Qty	768 PCS
Power	115W
Color Rendering Index	CRI:⩾96 TLCI⩾97
Color Temperature	2500K~10000K, in 100K Increments
Brightness Range	0%~100%, in 1% Increments
Hue Range	0~360°
Saturation	0%~100%
GM	-50~+50
Scene Effects	18
Light Source Modes	17
R/G/B/C/W	0~255
Color Gels	ROSCO (20 Types), LEE (20 Types)
X/Y	0.0000~0.8000
Power Supply	19.5V from Adapter; 14.8V/26V from V-Mount Battery
Control Methods	APP/2.4G/Control Panel/DMX
Operating Temperature	-10°C~40°C
Lamp Dimensions (Including the Softbox)	530×440×195mm
Lamp Weight (Including the Softbox)	2.0Kg

Illuminance：

Color Temperature	Light Source		Grid Diffuser A		Plain Diffuser B	
	0.5m	1m	0.5m	1m	0.5m	1m
2700	10800 Lx	3020 Lx	6110 Lx	1660 Lx	3900 Lx	1040 Lx
3200	12900 Lx	3610 Lx	7370 Lx	2000 Lx	4690 Lx	1260 Lx
4400	14700 Lx	4070 Lx	8350 Lx	2260 Lx	5290 Lx	1420 Lx
5600	15100 Lx	4180 Lx	8550 Lx	2320 Lx	5410 Lx	1450 Lx
6500	15000 Lx	4150 Lx	8510 Lx	2310 Lx	5380 Lx	1440 Lx
7500	14900 Lx	4100 Lx	8410 Lx	2280 Lx	5310 Lx	1420 Lx
8500	14700 Lx	4060 Lx	8340 Lx	2270 Lx	5280 Lx	1410 Lx
10000	14400 Lx	4000 Lx	8220 Lx	2240 Lx	5210 Lx	1390 Lx