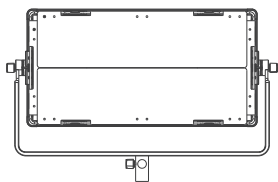


Product Overview

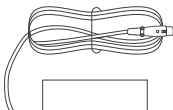
Thanks for purchasing this **NEEWER**® product!

AP100C is a professional video panel light. It features 7 light modes (CCT, HSI, RGBCW, GEL, FX, XY, and SOURCE) and supports AC or battery power supplies. Controlling the device is effortless thanks to the NEEWER APP, 2.4G wireless system, control panel buttons, and DMX controllers for achieving optimum lighting effects.

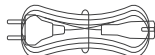
Package Contents



Video Light × 1



Power Adapter × 1



Power Cable × 1



Hanging hook × 2

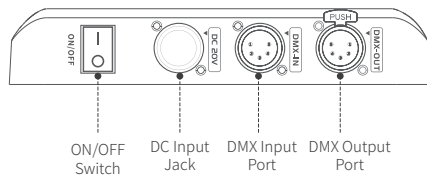
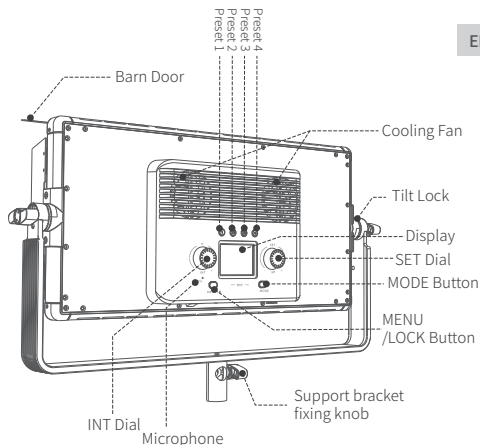


Carrying Bag × 1



User Manual × 1

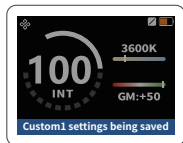
Product Illustration



Introduction to Functions

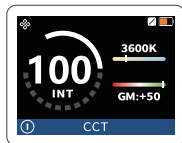
● Preset 1/2/3/4

From within the Current Mode,
Long Press:



Saves the current settings

Short Press



Quickly recalls the last saved settings

● INT Dial

↶ Short press when the menu is displayed: To exit the menu
Turn: To increase (clockwise) or decrease (counterclockwise) the brightness level

● SET Dial

Short Press: To navigate and select items in the **MENU**
Turn: To change settings in the sub-menu or scroll through the **MENU**

● MENU/LOCK Button

Short Press: To enter the **MENU**
Long Press: on/off

● MODE Button

Short Press: To cycle through modes (CCT/HSI/RGBCW/GEL/FX/XY/SOURCE)

● Bluetooth Reset

Long Press: MENU/ button + MODE button

C. Fn: Custom Functions

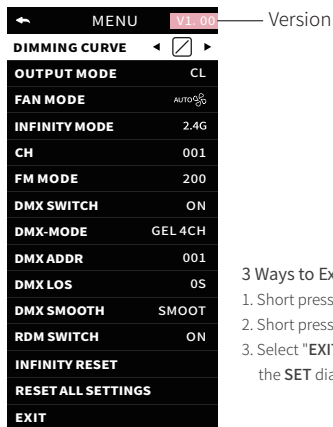
The custom function can be personalised based on the chart below

Custom Function Name	Function	Icon	Description
DIMMING CURVE	Dimming Curve		S
			Log
			Exp
			Linear
OUTPUT MODE	Output modes	CL	Constant brightness mode
		CP	Maximum output mode
FAN MODE	Fan mode	HIGH	High-speed mode
		MED	Mid-speed mode
		MUTE	Silent mode
		AUTO	Automatic mode
INFINITY MODE	Wireless mode		Start Infinity connection
		2.4G	Enable CH
CH	Channels	000-099	Channel numbers: 000-099
FM MODE	Frequency mode	180-220 (±2)	Increment: 100Hz. Helps eliminate flickers in high shutter speed shooting.
DMX SWITCH	DMX on/off	ON	On
		OFF	Off
DMX-MODE	DMX modes	CCT&RGB 8CH	12 modes
		CCT 4CH	
		CCT&HSI 7CH	
		RGB 5CH	
		HSI 4CH	
		GEL 4CH	
		XY 4CH	
		Source 4CH	
		FX 7CH	
		RGBCW 6CH	
DMX ADDR	DMX channels	001-512	Channel numbers: 001-512

C. Fn: Custom Functions

Custom Function Name	Function	Icon	Description
DMX LOS	DMX signal loss	0 S	Off immediately
		60 S	Off slowly
		180 S	Off after 2 minutes
		SAVE	Save
DMX SMOOTH	Smoothness of DMX	SMOOTH	Smooth
		SUPER SMOOTH	Super smooth
		OFF	Off
RDM SWITCH	RDM on/off	ON	On
		OFF	Off
		YES	Yes
INFINITY RESET	Infinity reset	NO	No
		YES	Yes
RESET ALL SETTINGS	Factory reset	YES	Yes
		NO	No
EXIT	Exit the menu	—	—

Menu UI

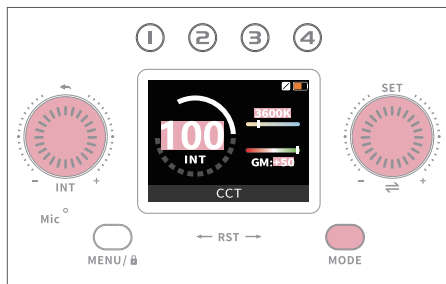


3 Ways to Exit the Menu:

1. Short press the ◀ INT dial.
2. Short press the **MODE** button.
3. Select "EXIT" and short press the SET dial.

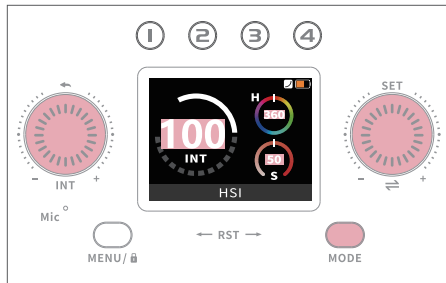
Overview of Various Modes

CCT



Short press the **MODE** button to switch to **CCT** mode. This will allow you to press the **SET** dial to toggle between different parameters. Rotate the dial to adjust the color temperature (2500K-10000K) or the GM value (-50+50). Rotate the **INT** dial to adjust the brightness from 0 to 100% ($\pm 0.1\%$).

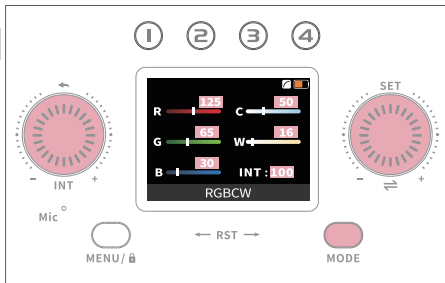
HSI



Short press the **MODE** button to switch to **HSI** mode. This will allow you to press the **SET** dial to toggle between different parameters. Rotate the dial to adjust hues (0-360°) or saturation (0-100%). Rotate the **INT** dial to adjust the brightness from 0 to 100% ($\pm 0.1\%$).

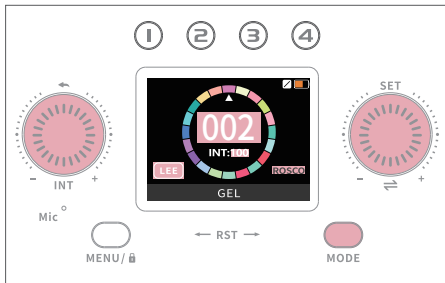
Overview of Various Modes

RGBCW



Short press the **MODE** button to switch to **RGBCW** mode. Press the **SET** dial to toggle between different parameters. Rotate the dial to adjust the values for R, G, B, C, and W (0-255). Rotate the **INT** dial to adjust the brightness from 0 to 100% ($\pm 0.1\%$).

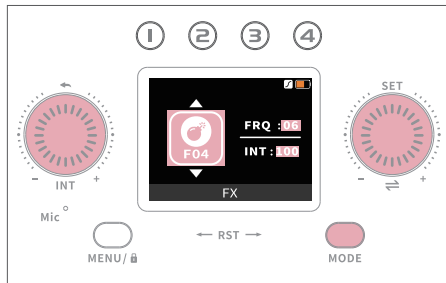
GEL



Short press the **MODE** button to switch to **GEL** mode. Press the **SET** dial to toggle between different parameters. Rotate the dial to select **LEE** (20 gels) and **ROSCO** (20 gels) color gels. Rotate the **INT** dial to adjust the brightness from 0 to 100% ($\pm 0.1\%$).

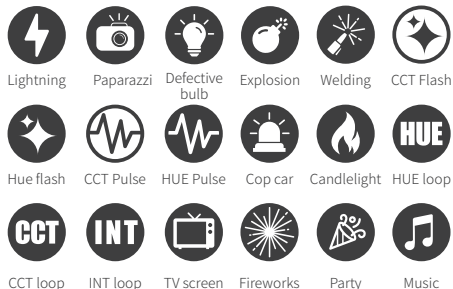
Overview of Various Modes

FX



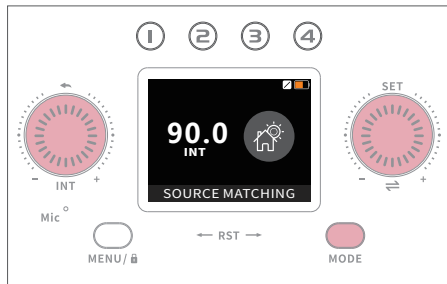
Short press the **MODE** button to switch to **FX** mode. Press the **SET** dial to toggle between different parameters. Rotate the dial to select scenes or adjust the lighting effect speed. Rotate the **INT** dial to adjust the brightness from 0 to 100% ($\pm 1\%$).

Scene modes



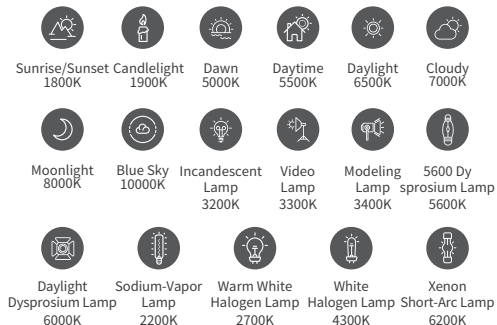
Overview of Various Modes

SOURCE MATCHING



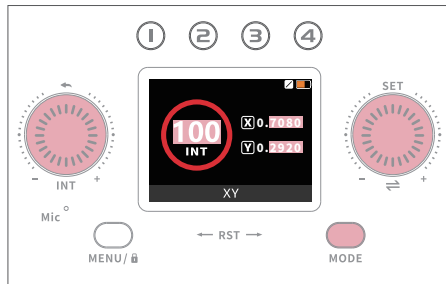
Short press the **MODE** button to switch to **SOURCE MATCHING** mode. Rotate the **SET** dial to select from different light sources. Rotate the **INT** dial to adjust the brightness from 0 to 100% ($\pm 0.1\%$).

Light Source Modes

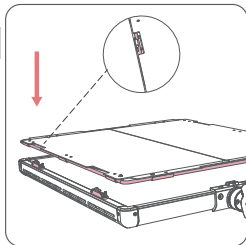


Overview of Various Modes

XY

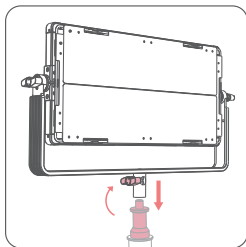


Short press the **MODE** button to switch to **XY** mode. Press the **SET** dial to toggle between different parameters. Rotate the dial quickly to adjust the X/Y values (0.0000~0.8000). Rotate the **INT** dial to adjust the brightness from 0 to 100% ($\pm 0.1\%$).



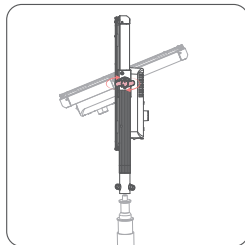
① Installing the Barn Door

Place the barn door on top of the lamp body with the slots on all four sides. Press down to firmly lock the barn door in place.



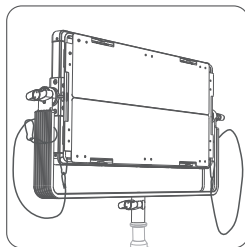
② Installing the Light Stand

Secure the U-shaped bracket on top of the light stand. Rotate the bracket and tighten the fixing knob to secure it.



- ③ Adjust the angle of the LED light as desired. Rotate the fixing knob clockwise to tighten the bracket.

Note: The light stand is not included in the accessories and needs to be purchased separately.



④ Installing the Hanging Hook

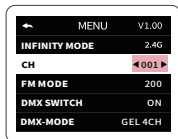
Attach the hooks to the bracket and around the baffle.

How to Use

● Channel Settings

—2.4G Connection—

Short press the **MENU** button to enter the menu interface. Rotate the **SET** knob to **INFINITY MODE**, then short press the **SET** button and rotate again to select the **2.4G** option. Short press the **SET** button again to enable the channel.



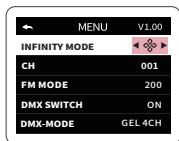
Rotate the **SET** knob to **CH**, short press the **SET** button to set the channel, and short press again to confirm the channel.

※ In 2.4G mode, when multiple LED lights are set to the same channel (e.g., CH:08), adjusting one light's settings will also modify those the other lights on the same channel synchronously.

● Mobile App Control

—Infinity Connection—

Short press the **MENU** button to enter the menu interface. Rotate the **SET** knob to **INFINITY MODE**, then short press the **SET** button and rotate again to select the **∞** option. Press the **SET** button again to enter the Infinity connection.



To control the device through a mobile phone, you need to connect the device using the mobile app. For specific instructions, please scan the QR code on the APP Guide Page.

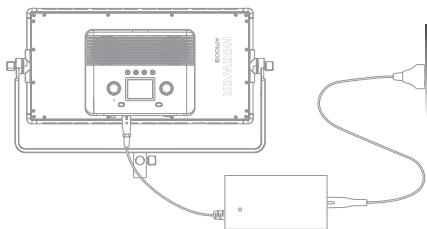
※ Before connecting through the app, please reset the Infinity mode. From within this mode, press the MENU/ button + MODE button, or enter the menu and select the INFINITY RESET option to reset the Infinity.

How to Use

● Power Supply Method

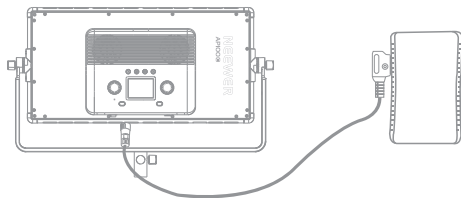
Method 1: Powering with the included power adapter. Plug one end of the adapter into the panel light's power socket and connect the other end to a power outlet. Turn on the power switch (**ON**) and the screen will display a " " icon.

EN



※ When unplugging the power cord, press down the metal tab on the connector to remove it.

Method 2: Powering with a V-mount battery. Connect one end of the D-tap to four-pin XLR cable to the panel light's power socket and the other end to a V-mount battery. Turn on the power switch (**ON**) and the screen will display a " " icon.



※ D-tap to 4-pole XLR connector Cable and V-port battery need to be purchased separately.

How to Use

DMX ADDR:001
DMX MODE:CCT&RGB 8CH
DMX LOSE:0S
DMX SMOOTH:SUPER
RDM SWITCH:ON

DMX connected

MENU V1.00
DMX SWITCH ON
DMX MODE GEL 4CH
DMX ADDR ◀001▶
DMX LOS 0S
DMX SMOOTH

● Disconnecting from the DMX console

- Unplug the cable connecting the DMX console and the light.
- Short 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 "AP100C DMX Channel Table" appendix for related control schemes.

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

● DMX Connection (when connecting to a console)

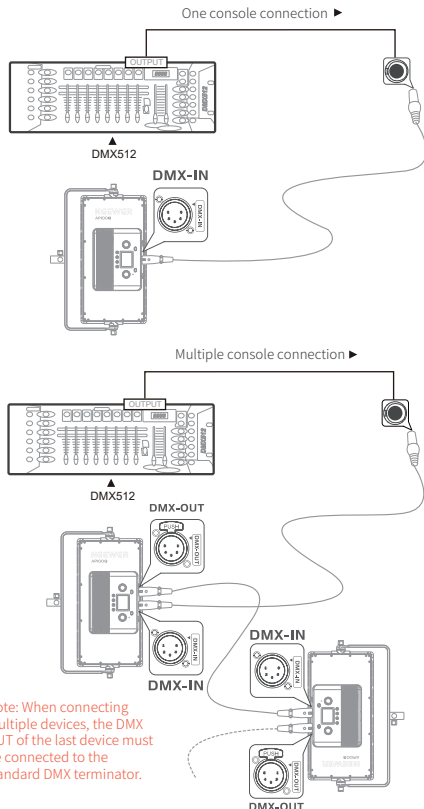
Short press the **MENU** button to enter the **MENU** interface. Select the **DMX** option and set it to **ON**. Connect the DMX cable as shown in the left diagram to connect to the DMX console.

● DMX Channel Adjustment (when connected to a console)

- When the DMX connection interface is displayed, simply rotate the **SET** knob to adjust the channel.
- Short press the **MENU** button to enter the **MENU** interface. Select the **DMX ADDR** option to adjust the channel.

How to Use

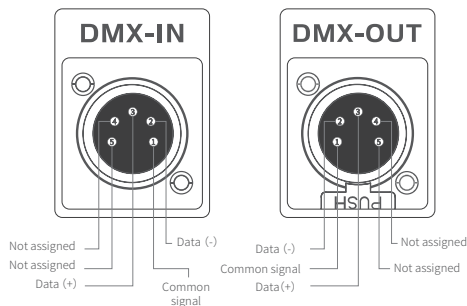
● DMX connection diagram



How to 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

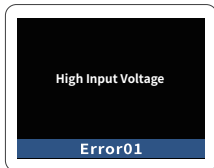
1. Avoid staring directly at the lights to prevent harm to your vision.
2. Ensure efficient heat dissipation by not covering the vents with clothes or other objects.
3. Refrain from touching the product with wet hands, as it may damage the circuit panel.
4. Never disassemble the product or attempt to 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.

EN

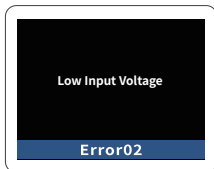
Troubleshooting

EN

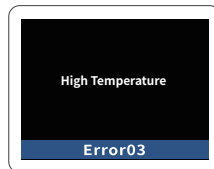
- High voltage protection



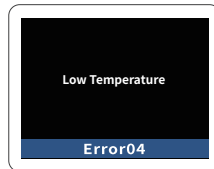
- Low voltage protection



- High temperature protection



- Low temperature protection



Specifications

Model	AP100C
Number of LEDs	1000PCS
Output	105W
Color Rendering Index	CRI: ≥ 96 TLCI: ≥ 97
Maximum Illuminance	31500 Lx@0.5M, 9800 Lx@1M
Color Temperature	2500K~10000K (100K Increments)
Dimming Range	0%~100% (0.1% Increments)
Hues	0~360°
Saturation	0%~100%
GM Correction	-50~+50
Number of Scenes	18
Light Source Matching	17
R/G/B/C/W Values	0~255
Color Gels	ROSCO (20), LEE (20)
X/Y Coordinates	0.0000~0.8000
Power Supply	Power Adapter (20V) /V-Mount Battery (14.8-26V)
Beam Angle	45°
Control Methods	APP, 2.4G, Panel, DMX control
Operating Temperature	14-104°F/-10-40°C
Dimensions	20.9"x13.4"x3.4"/530x340x86mm
Weight	7.9lb/3.58kg