Safety Warnings

For your safety and the safety of others, please read the following information before use and pay attention to safety warnings highlighted in this manual. Always inspect the product before use and do not use it if parts are damaged.

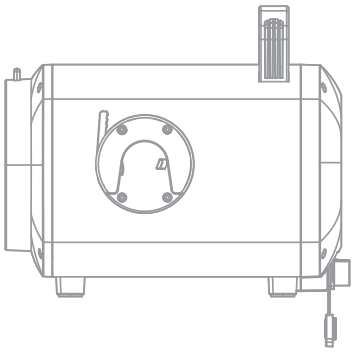
※ Keep the lighting unit away from flammable materials.
※ Do not use in rain, high humidity, or other severe weather conditions.
※ Remove dust and moisture using a blower brush or a clean, dry cloth.
※ Keep the operating area clear of cables, and out of reach of children and pets.
※ Avoid prolonged exposure to direct sunlight.
※ Always turn off and disconnect the power supply before maintenance, installation, or removal of accessories.
※ Do not block or cover ventilation openings during use.
※ Do not clean with chemicals or liquids. Never immerse any part of the product in water.
※ Do not attempt to disassemble or repair the product yourself.
※ The product may become hot during use; avoid touching it with bare hands.

Product Overview

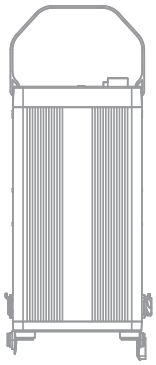
The AS1200B is a flagship, professional-grade studio light designed for commercial photographers. It delivers high power with separate light and control units, a stable light source, high illuminance, and strong beam penetration. With a wide range of accessories and versatile functions, it is ideal for large studio setups, on-location shoots, and filmmaking.

Package Contents

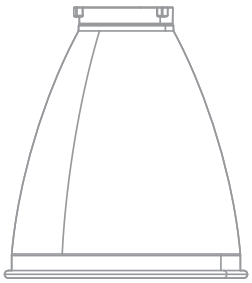
EN



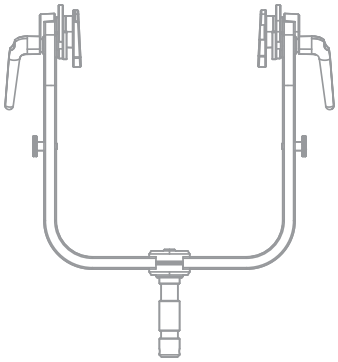
LED Light ×1



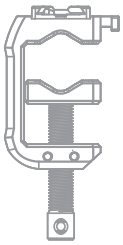
Controller ×1



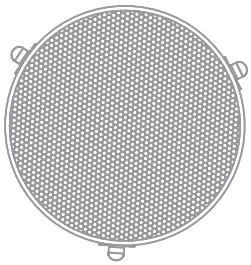
Reflector ×1



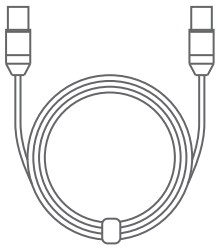
U-Bracket ×1



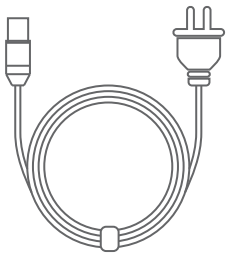
Super Clamp ×1



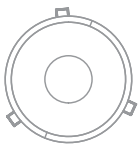
Honeycomb Grid ×1



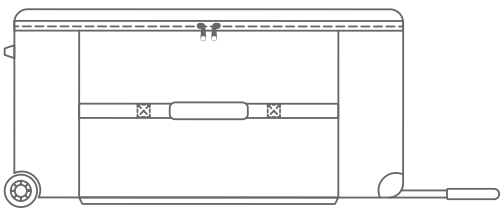
Controller Cable ×1



Power Cable ×1



Protective Cover ×1



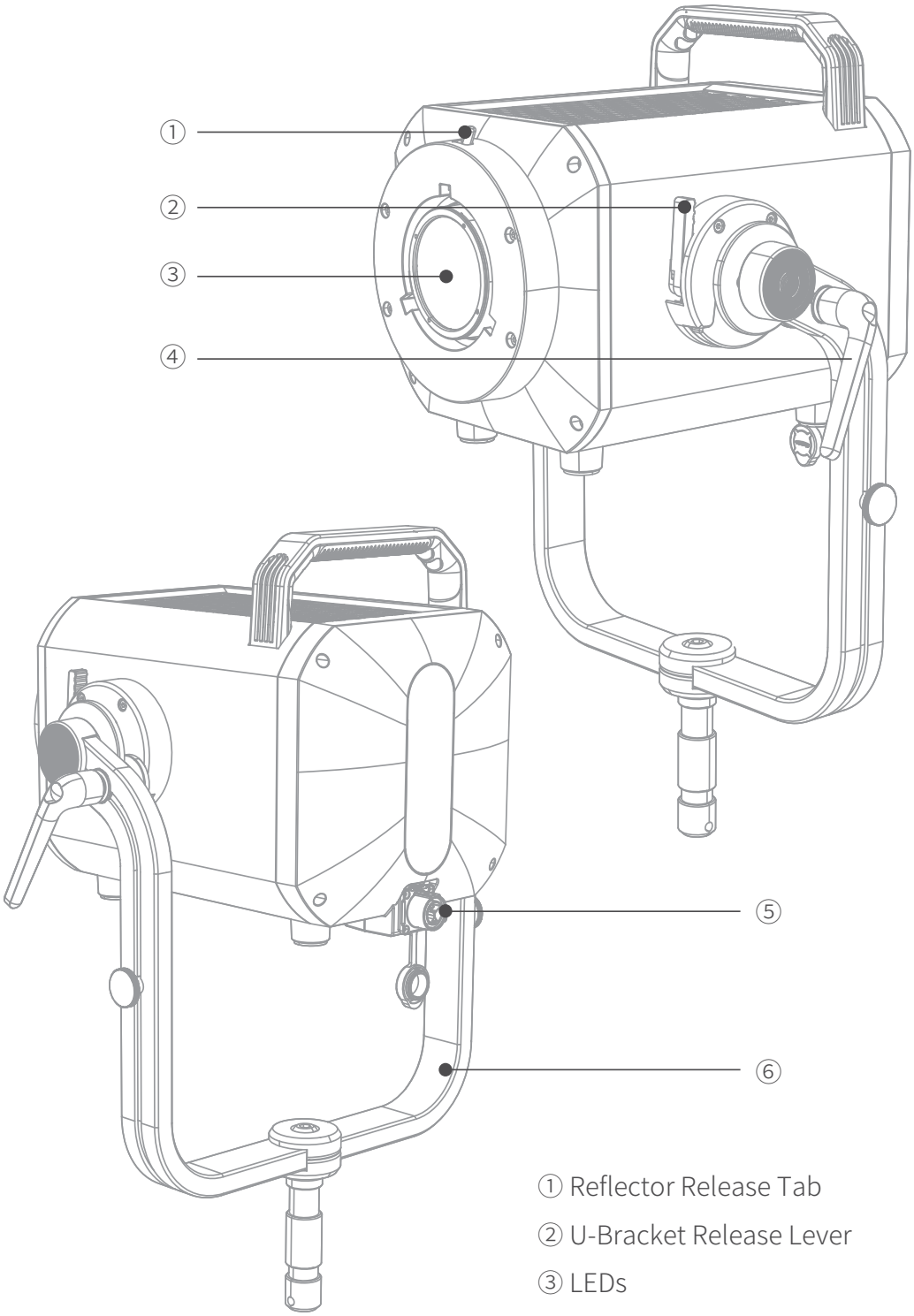
Trolley Case ×1



Steel Wire ×1

Product Illustration

EN



① Reflector Release Tab

② U-Bracket Release Lever

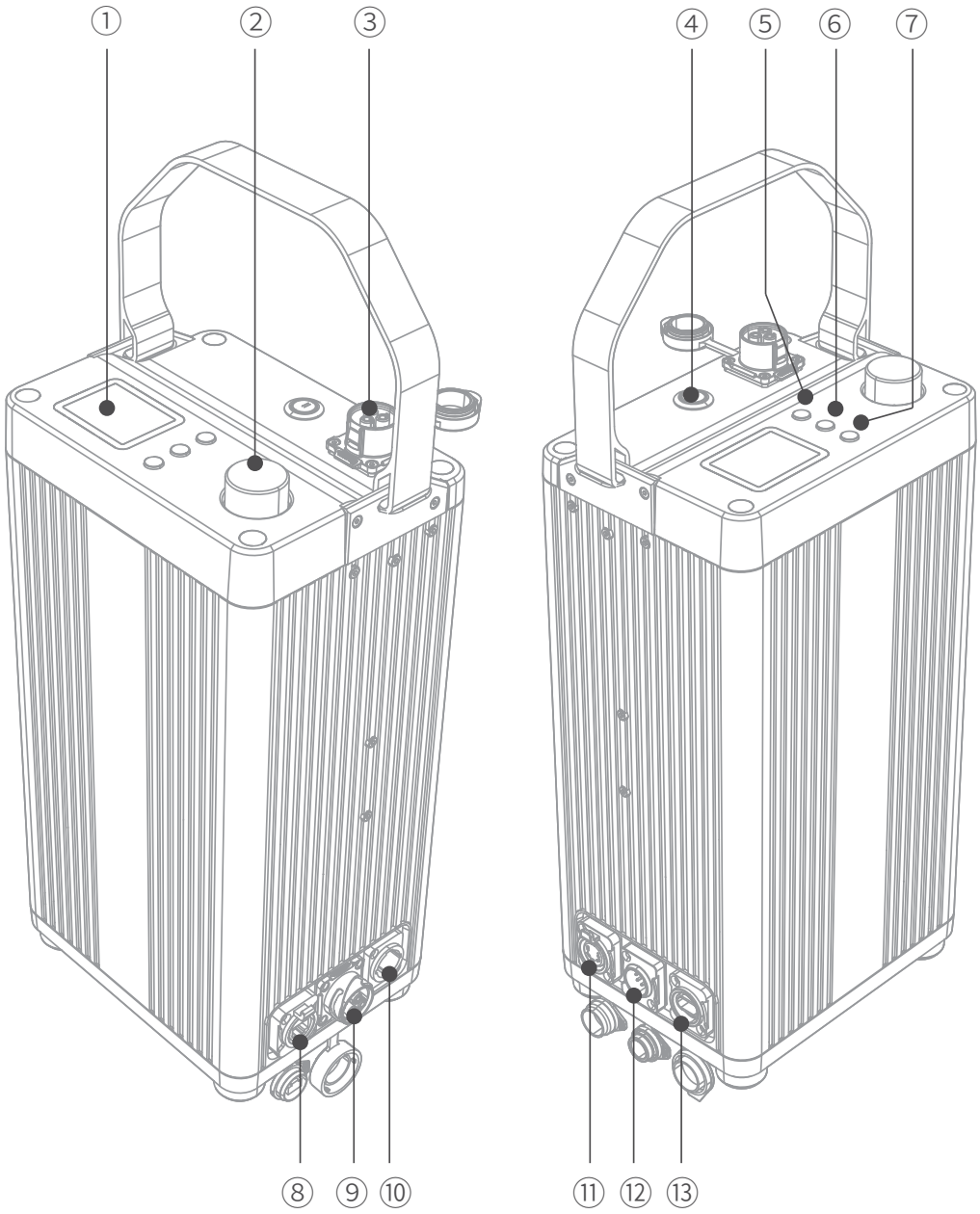
③ LEDs

④ Angle Adjustment Knob

⑤ Controller Input

⑥ U-Bracket

Product Illustration

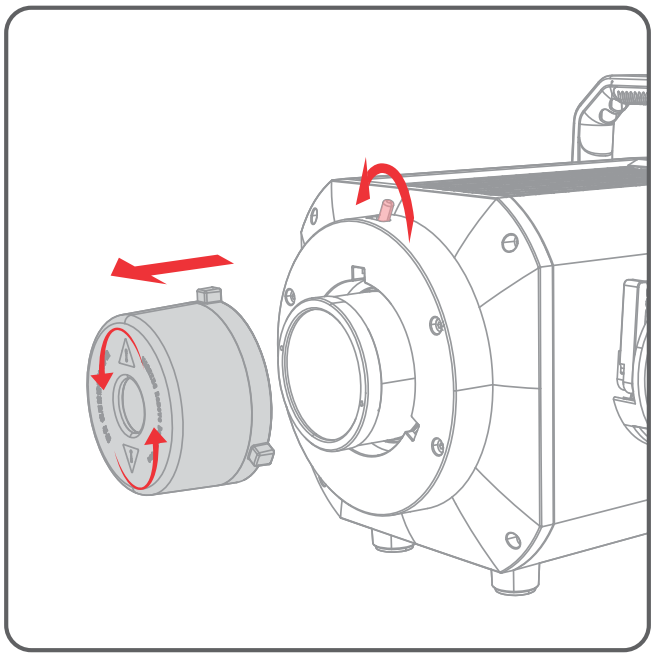


① Display Screen ② Short Press: Select Parameter; Rotate: Adjust Parameter

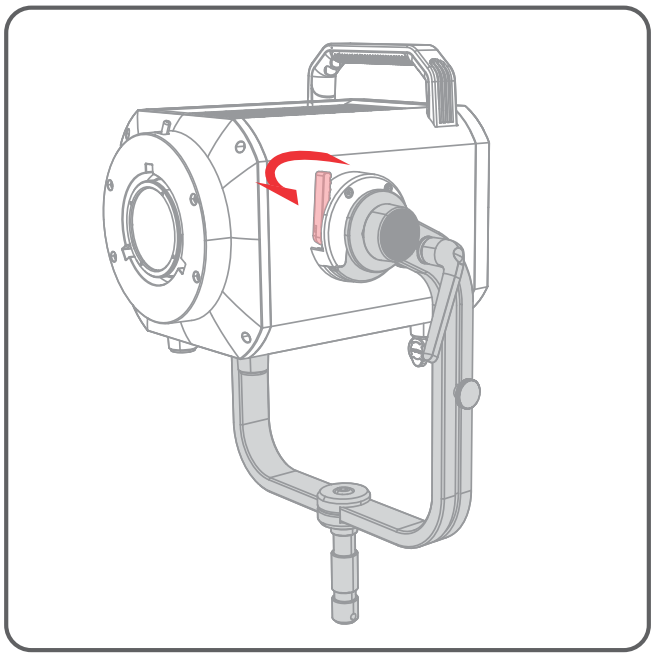
③ Light-Controller Connection Jack ④ Power Button ⑤ Return Button

⑥ Menu Button ⑦ Mode Button ⑧ Ethernet Port ⑨ DC Input

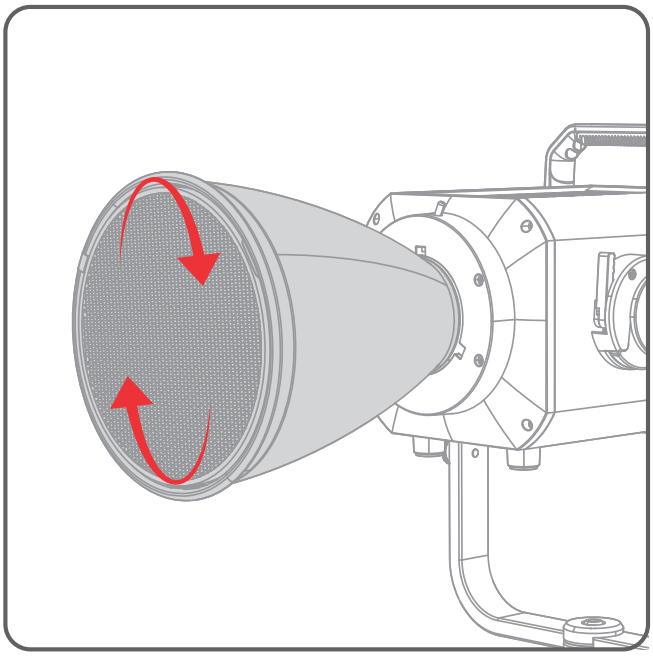
⑩ AC Input ⑪ DMX Output ⑫ DMX Input ⑬ USB-A Port



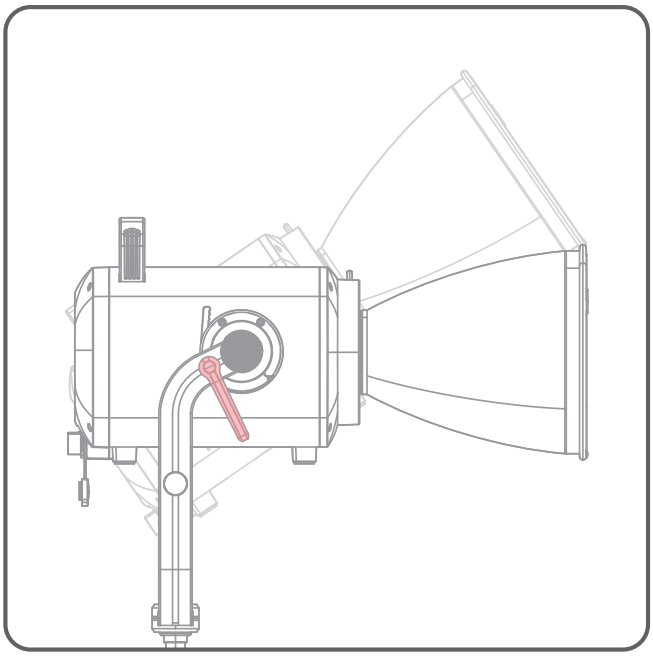
① Press on the release tab and rotate the protective cover counterclockwise until the tabs align with the holes, then remove the cover.



② Install the U-bracket onto the light head. Flip the lever to remove the U-bracket.



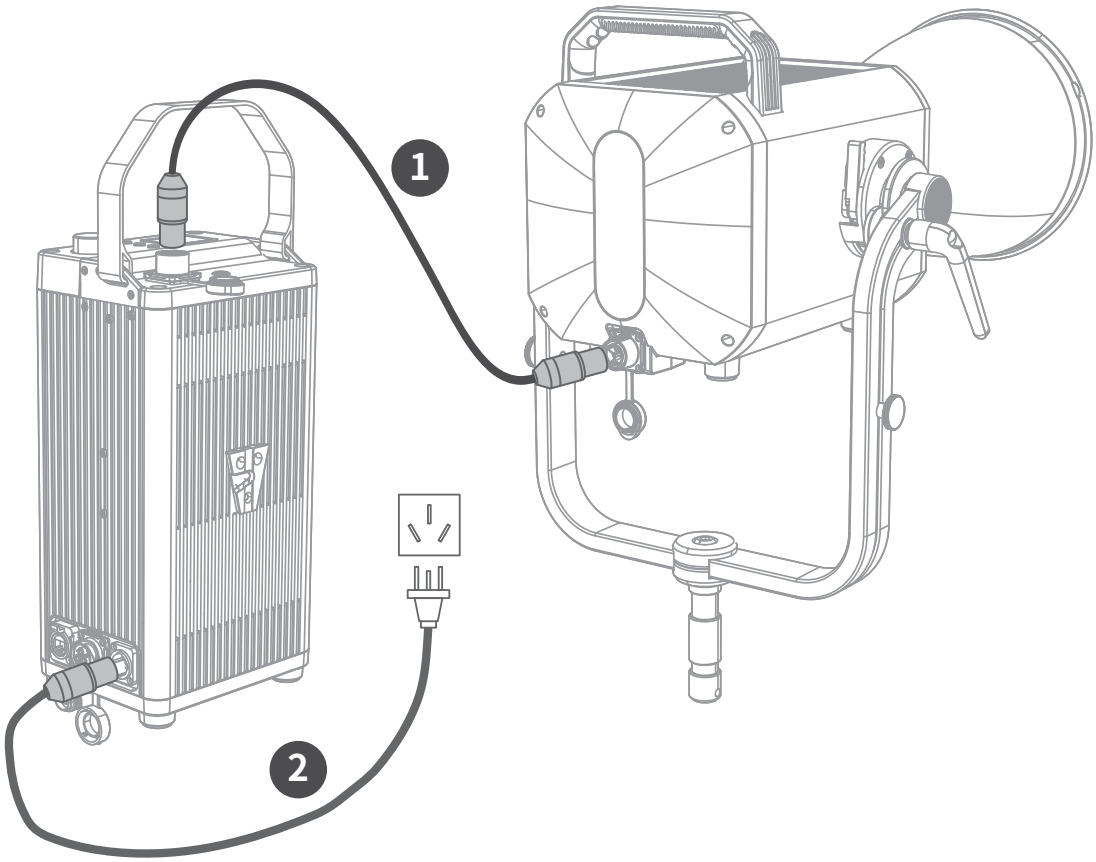
③ Align the reflector tabs with the holes, push the reflector in and rotate clockwise until it locks securely.



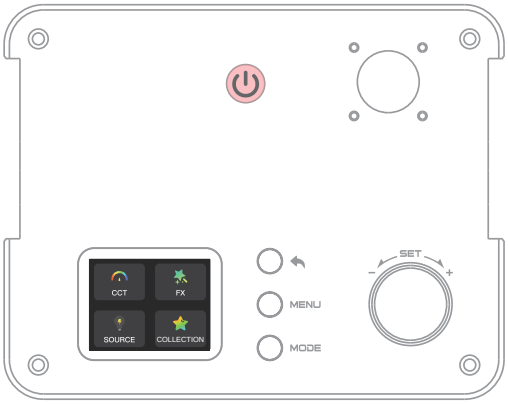
④ Adjust the lighting angle by rotating the angle adjustment knob.

- **Power Supply**

  First, connect the controller to the light via the light-controller connection cable. Then, connect the power cable to a power socket and the controller's AC input port.



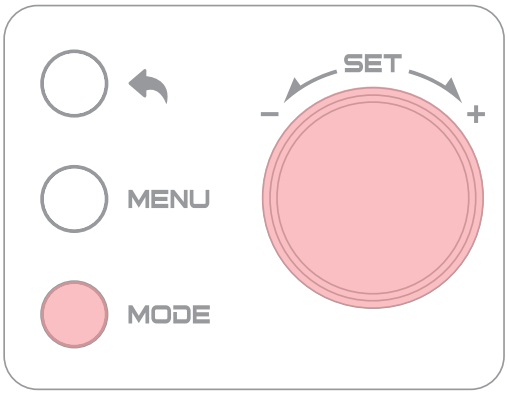
※ The connection sequence should be respected and completed in order at all times. Do not disconnect the power cable while the light is still powered on, as this may damage the light.



● Power On/Off / Standby

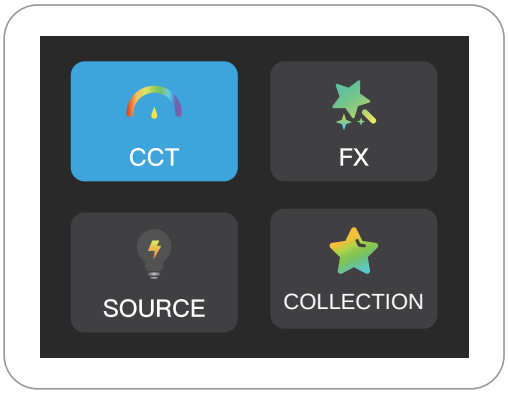
Long press the < ⏻ > button to turn the device on or off.

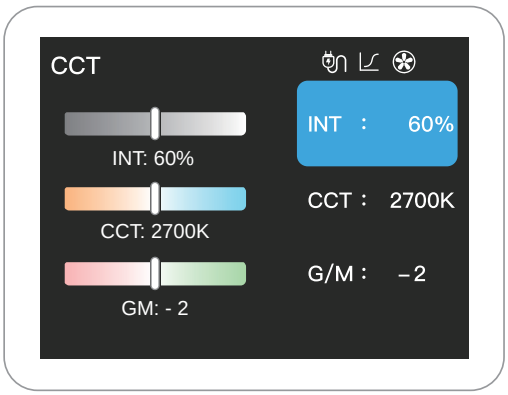
After powering on, short press the < ⏻ > button to enter or exit standby mode.



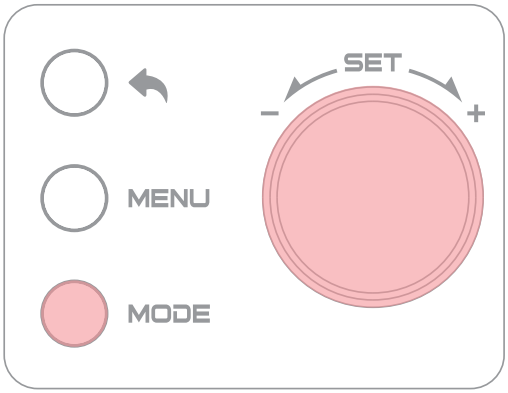
● CCT Mode

① Short press the <**MODE**> button to enter the mode interface. Short press <**MODE**> or rotate the <**SET**> knob to select **CCT** mode, then short press <**SET**> to enter **CCT** mode.



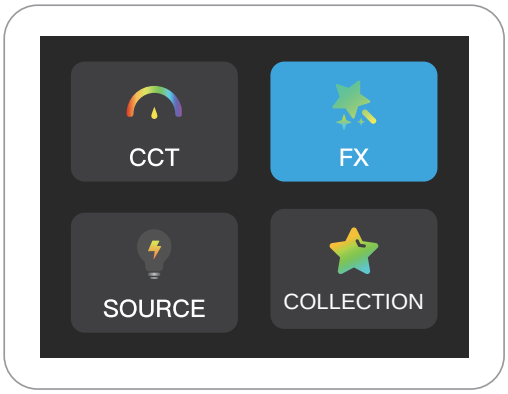


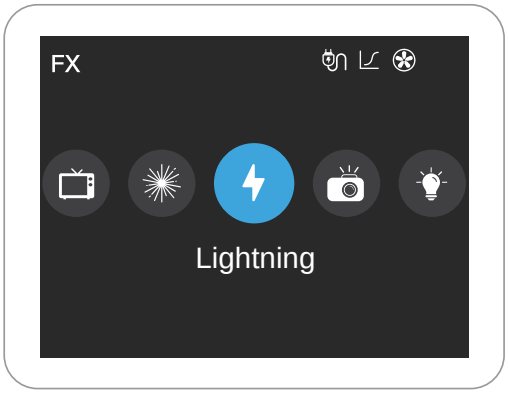
② Short press <**SET**> to select **INT**, **CCT**, or **GM**. Rotate the <**SET**> knob to adjust their values respectively.



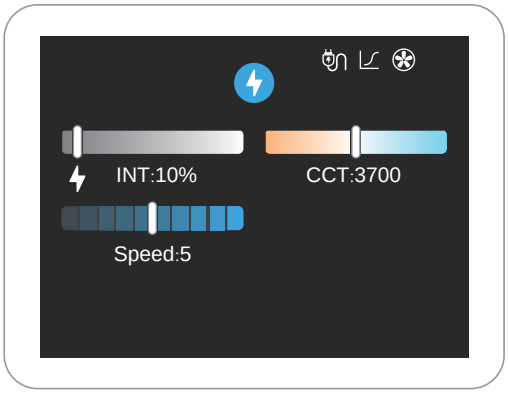
● FX Mode

① Short press the <**MODE**> button to enter the mode interface. Short press <**MODE**> or rotate the <**SET**> knob to select **FX** mode, then short press <**SET**> to enter **FX** mode.





② Rotate the <**SET**> knob to select scene modes.

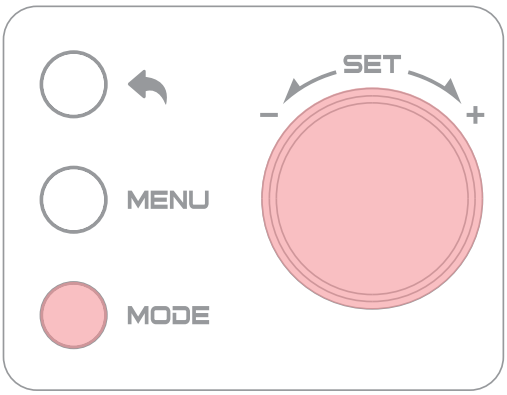


③ Short press <**SET**> to enter parameter adjustment for the selected scene. Short press <**SET**> to select a parameter, then rotate the <**SET**> knob to adjust its values.

Scene modes

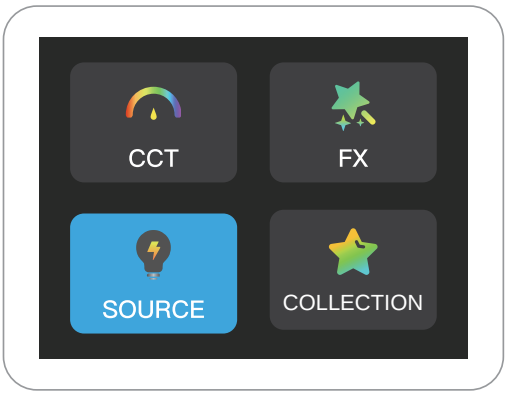
Lightning | Paparazzi | Defective bulb | Explosion | Welding | CCT Flash

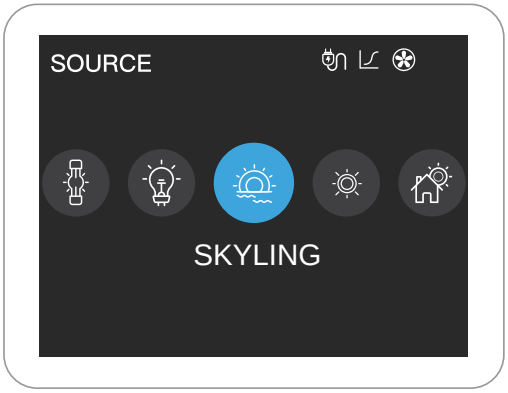
CCT Pulse | Candlelight | CCT loop | INT loop | TV screen | Fireworks



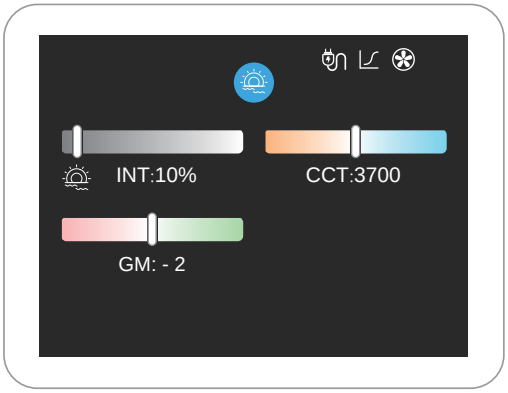
● SOURCE Mode

① Short press the <**MODE**> button to enter the mode interface. Short press <**MODE**> or rotate the <**SET**> knob to select **SOURCE** mode, then short press <**SET**> to enter SOURCE mode.





② Rotate the <**SET**> knob to select different light sources.



③ Short press <**SET**> to enter parameter adjustment for the selected source. Short press < **SET** > to select a parameter, then rotate the <**SET**> knob to adjust its values.

Dawn
5000K

Daytime
5500K

Daylight
6500K

Incandescent Lamp
3200K

Video Lamp
3300K

Modeling Lamp
3400K

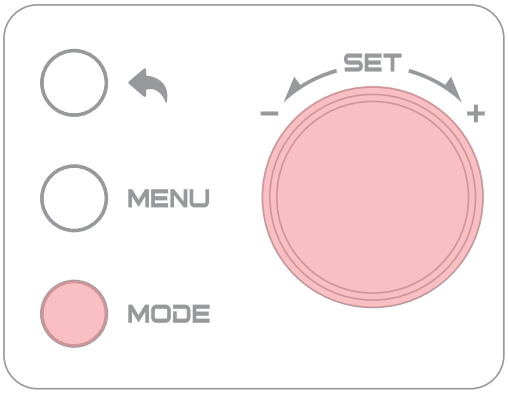
5600 Dysprosium Lamp
5600K

Daylight Dysprosium Lamp
6000K

Warm White Halogen Lamp
2700K

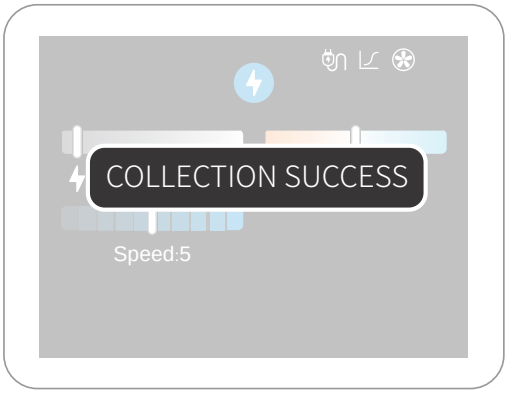
White Halogen Lamp
4300K

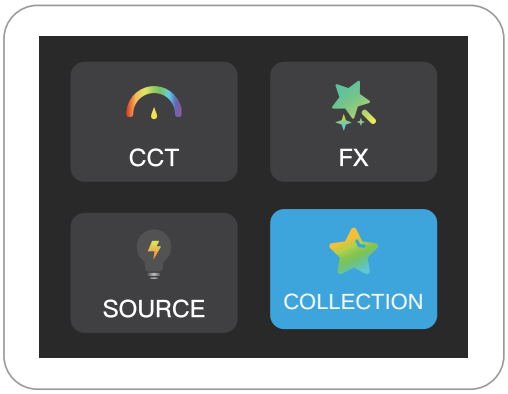
Xenon Short -Arc Lamp
6200K



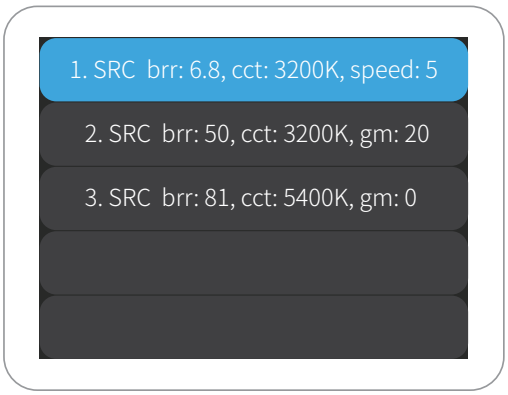
● Collection Mode

① Long press the <**SET**> button to save the current parameter settings as a preset.





② Short press the <**MODE**> button to enter the mode interface. Short press <**MODE**> or rotate the <**SET**> knob to select **COLLECTION** mode, then short press <**SET**> to enter **COLLECTION** mode.



③ Rotate the <**SET**> knob to select a preset, then short press <**SET**> to use it.

Long press <**SET**> to delete it.

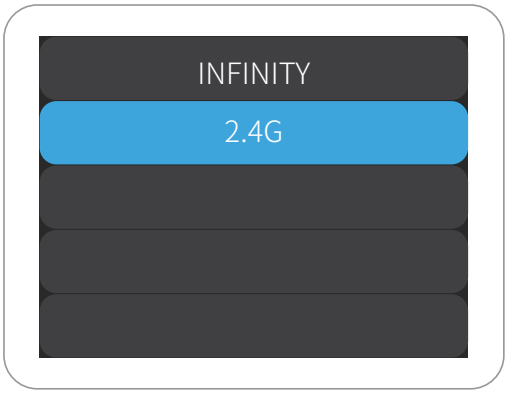
- **Menu**

Symbol	Function	Settings	Description
	DIMMING CURVE	S	S Dimming Curve
		LOG	Logarithmic Dimming Curve
		EXP	Exponential Dimming Curve
		LINEAR	Linear Dimming Curve
	OUTPUT MODE	CP	Max Power Output Mode
		CL	Constant Brightness Mode
	FAN MODE	AUTO	Smart Cooling Mode
		HIGH	High-Speed Cooling Mode
		MED	Medium-Speed Cooling Mode
		MUTE	Silent Cooling Mode
	STUDIO MODE	ON	Studio Mode Enabled
		OFF	Studio Mode Disabled
	WLAN	INFINITY	INFINITY Mode
		2.4G	2.4G Mode
	FM MODE	FRQ	Adjustable Frequency

Symbol	Function	Settings	Description
DMX	DMX_INFO		View Current DMX Settings
	DMX_SWITCH	ON	DMX Connection Enabled
		OFF	DMX Connection Disabled
	DMX_MODE	CCT	DMX Mode
		SOURCE	
		FX	
		Ultimate mode	
		Neewer mode	
	DMX_ADD	ADD: 1	DMX Address
	DMX_LOSS	KEEP	DMX Loss: Memorize Last State
		SHUT_DOWN	DMX Loss: Shut Down Immediately
		SHUT_CARDUAL	DMX Loss: Shut Down After 1 Min
		KEEP_2MINS _CARDUAL	DMX Loss: Shut Down After 2 Min
	DMX_SMOOTH	OFF	DMX Smoothing Off
		SMOOTH	DMX Smoothing
		SUPER SMOOTH	DMX Super Smoothing

Symbol	Function	Settings	Description
DMX	RDM_SWITCH	OFF	RDM Off
		ON	RDM On
CRMX	CRMX	CRMX SWITCH	CRMX switch
		CRMX RESET	CRMX reset (disconnect connected device)
Art-net &sacn	Ethernet Settings	IP	IP Address
		SUBNET MASK	Subnet Mask
		CATEWAY	Gateway
	ArtNet&SACN Settings (ARTNET)	universe	Domain
		sub net	Subnet
		net	Network
	USB Update	YES	Firmware Upgrade
		NO	
	DEVICE INFO		View Device Info
	Reset All Settings	YES	Restore Factory Settings
		NO	
	EXIT		Exit Menu



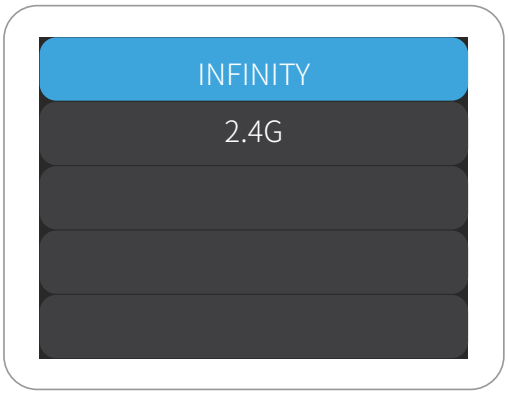


• 2.4G Mode

① Short press the **MENU** button, rotate the <**SET**> knob to select <**WLAN**>, short press <**SET**> to enter the submenu. Rotate <**SET**> to select 2.4G, then short press <**SET**> to enter channel adjustment. Rotate <**SET**> to select channel 00-99.

② In 2.4G mode, set multiple LED lights to the same channel (e.g., all CH88). When adjusting one LED light, others on the same channel will sync accordingly.



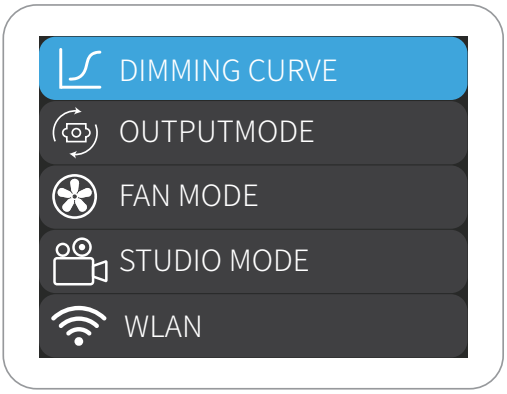


• Infinity Mode

① Short press the MENU button, rotate the <**SET**> knob to select <**INFINITY**>, then short press <**SET**> to reset INFINITY.

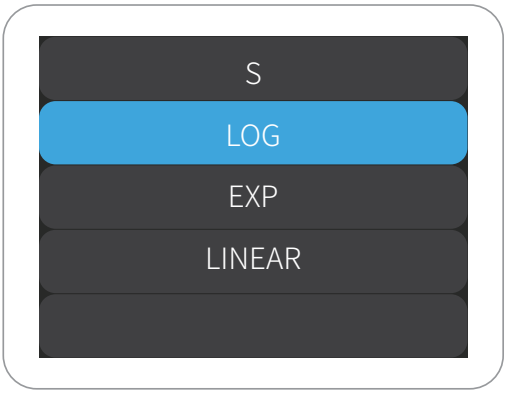
② Connect via mobile Bluetooth to control the LED light using the "NEEWER" app. For specific operations, please scan the QR code on the "App Guide Page" prompt card.

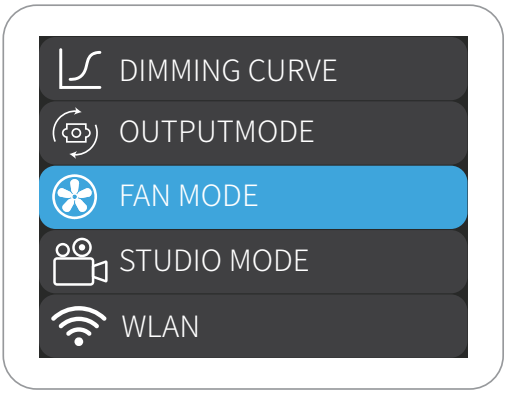
※ Reset Infinity before connecting via the app.



• Dimming Curve

Short press the **MENU** button, rotate the <**SET**> knob to select < >, short press <**SET**> to enter the submenu. Rotate the <**SET**> knob to select S, Log, Exp, or Linear.

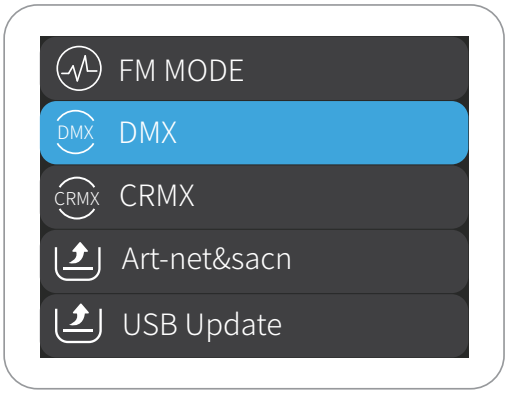


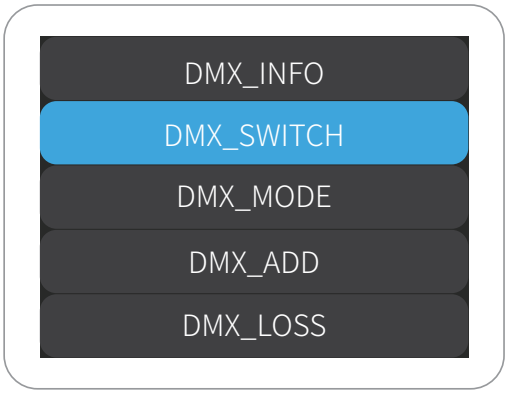


• Fan Mode

Short press the **MENU** button, rotate the <**SET**> knob to select < >, short press <**SET**> to enter the submenu. Rotate the <**SET**> knob to select Smart Cooling, High-Speed, Medium-Speed, or Silent Cooling.

Mode	Smart	High-Speed	Medium-Speed	Silent
Symbol				
Max Power	1440W	1440W	860W	430W





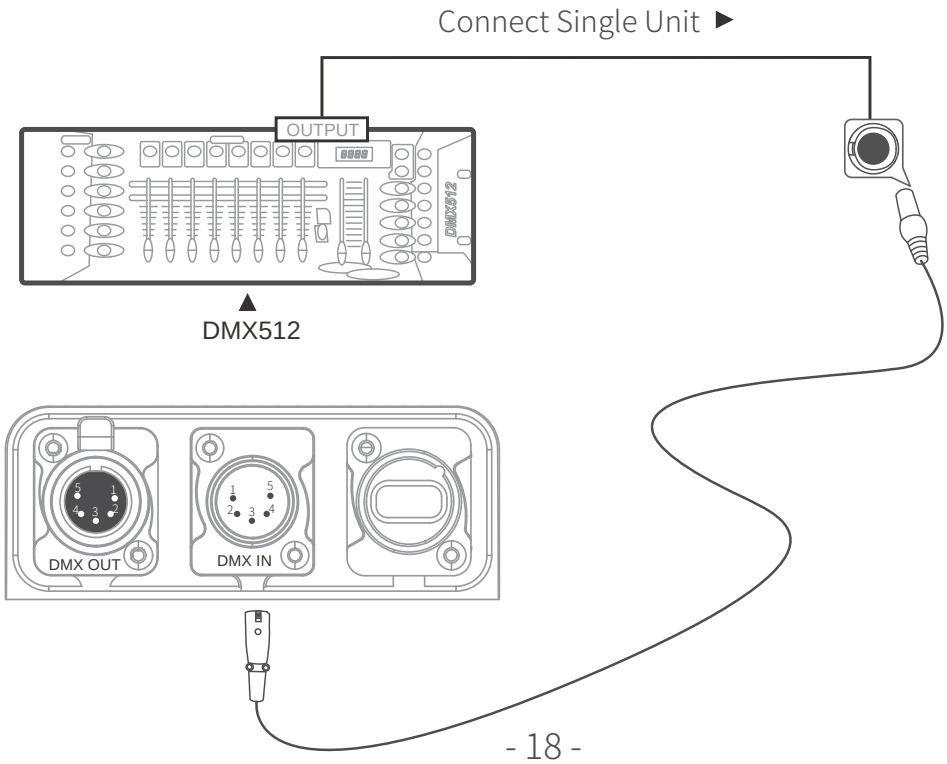
● DMX Connection

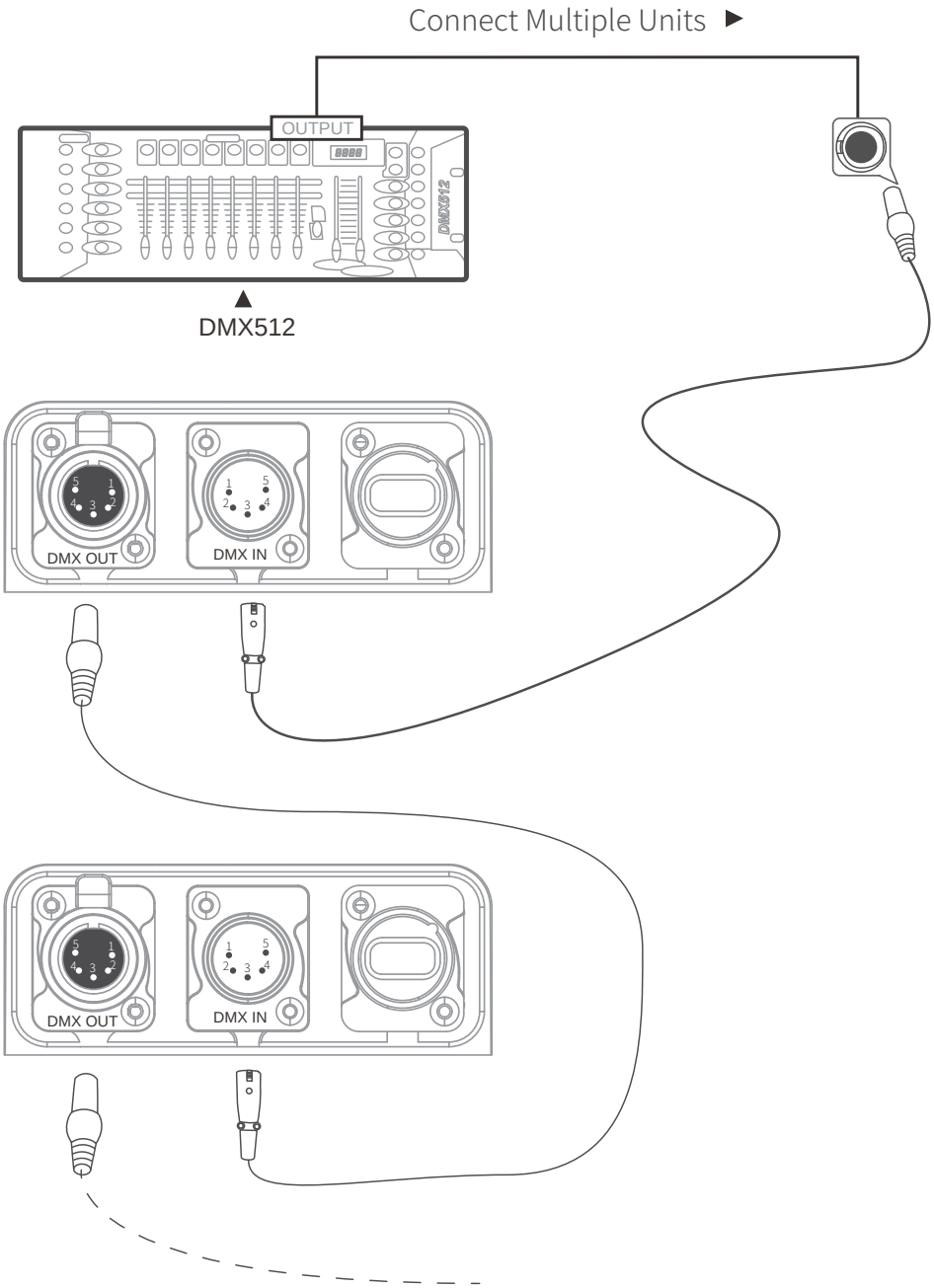
Short press the MENU button, rotate the <**SET**> knob to select <**DMX**>, short press <**SET**> to enter the submenu. Settings include DMX On/Off, DMX Mode, DMX Address, DMX Loss Behavior, DMX Smoothing, etc.

※ Refer to the menu list on P14 - P15 for parameter settings.

※ For relevant control schemes, refer to the attached "AS1200B DMX Channel Table".

DMX Connection Diagram




Connect Multiple Units ►
OUTPUT
DMX512
DMX512
DMX OUT
DMX IN
DMX OUT
DMX IN

- **Error Messages**

 High Voltage Protection	 Low Voltage Protection
 Over Temperature Protection	

Specifications

Model	AS1200B
Input	AC 100-240V/50~60 Hz, 6-15.5A DC 48V/30A
Input Power	Smart Mode: 1440W; High-Speed Mode: 1440W; Mid-Speed Mode: 860W; Silent Mode: 430W
Output Power	1200W
CRI	⩾95
TLCI	⩾97
CQS	94
SSI(D56)	73
SSI(D32)	85
TM-30 Rg (Average)	102
TM-30 Rf (Average)	95

Specifications

Operating Temperature	-20°C ~ 40°C
Control Method	Control Panel, App, 5-Pin DMX/RDM, Ethernet Port for Art-Net Protocol, LumenRadioCRMX
Control Distance (Bluetooth)	⩽80m
Remote Control Distance (LumenRadio)	⩽100m
Firmware Upgrade	USB1.1, OTA
Cooling Method	Active Cooling
Waterproof Rating	IP55
Accessory Mount	Bowens Mount
Connection Cable	5-Pin Waterproof Cable (5 m)
Power Cable	Neutrik powerCON Power Cable (5 m)
Lighting Modes	CCT/SOURCE/FX
Brightness Range	0 ~100
Color Temperature Range	2700K ~ 6500K
GM Range	-50 ~ 50
Effects	12
Light Sources	11
Dimming Curves	Linear / S / Exponential / Logarithmic
Dimensions	Light Head (Without U-Bracket): 276×389×295mm
	Light Head (With U-Bracket):455×389×610mm
	Controller: 215×158×386mm
Weight	Light Head(With U-Bracket): 15.1kg
	Controller: 7.2kg

Specifications

Illuminance:

Color Temperature	Distance	Bare Light Source	With Reflector
2700	3M	5000 Lx	31900 Lx
	5M	1910 Lx	11100 Lx
3200	3M	5100 Lx	32400 Lx
	5M	1960 Lx	11400 Lx
4400	3M	5500 Lx	35000 Lx
	5M	2120 Lx	12400 Lx
5600	3M	5920 Lx	37800 Lx
	5M	2280 Lx	13300 Lx
6500	3M	6220 Lx	39800 Lx
	5M	2400 Lx	14000 Lx

Precautions

1. Do not drop, expose to impact, or shake the product violently.
2. Do not look directly at the light during use, as it may damage your vision.
3. Do not place the product near flammable or explosive materials.
4. Do not use the product in the rain or in humid environments.
5. Turn off the power when not in use.
6. If the product will not be used for an extended period, store it in a ventilated, dry place away from heat sources and magnetic fields.

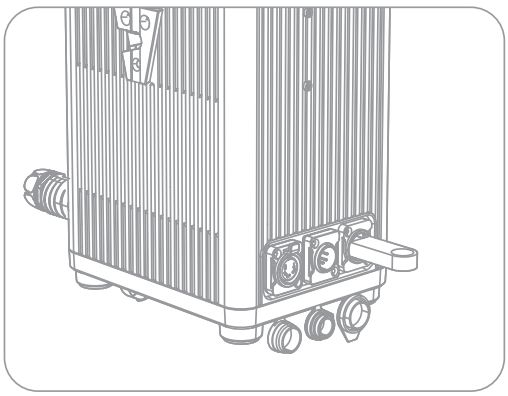
1. Requirements

① Only supports USB1.1 flash drives.
② Only supports flash drives with FAT32/FAT filing formats.
③ Does not support flash drives with a capacity larger than 32GB.
④ The firmware file must be named"AS1200B".

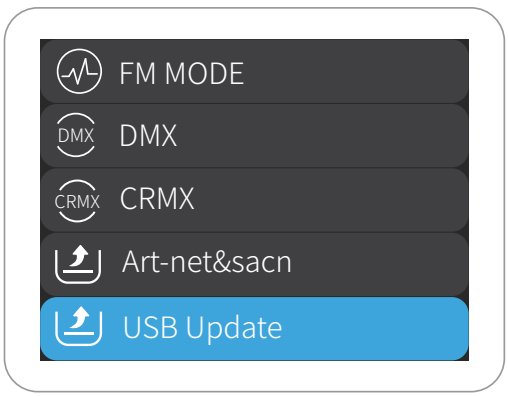
2. Steps to complete the Firmware Upgrade

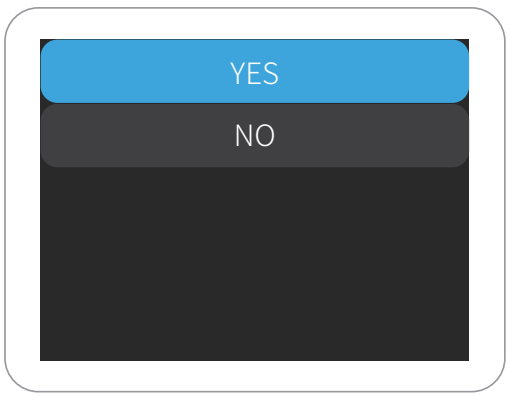
① Download and unzip the firmware file. Copy all contents from the extracted holder to the flash drive (do not copy the folder itself).

② Plug the flash drive into the AS1200B.

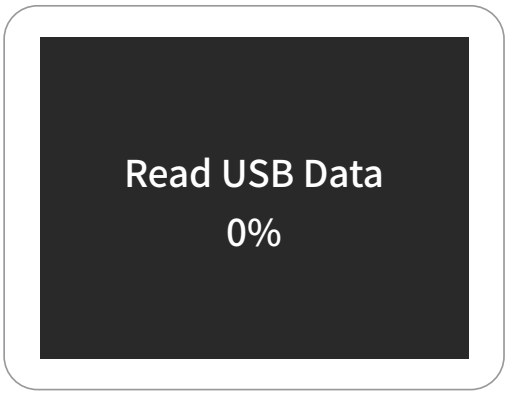


③ Short press MENU button to enter the menu, select <USB Update>, then <YES>.





④ The screen will display <Read USB Data>, indicating the AS1200B is reading data from the flash drive.



⑤ During the firmware upgrade, the screen will display <FW Update> (the prompt 0-100% process will appear three times).



⑥ After the upgrade is complete, the AS1200B device will restart automatically. If Studio Mode was on, it will automatically power on. If Studio Mode was off, it will automatically power off with the screen going off.