

The Instruction

LED Panel

- CASTER C01P
- CASTER C02P
- CASTER C04P

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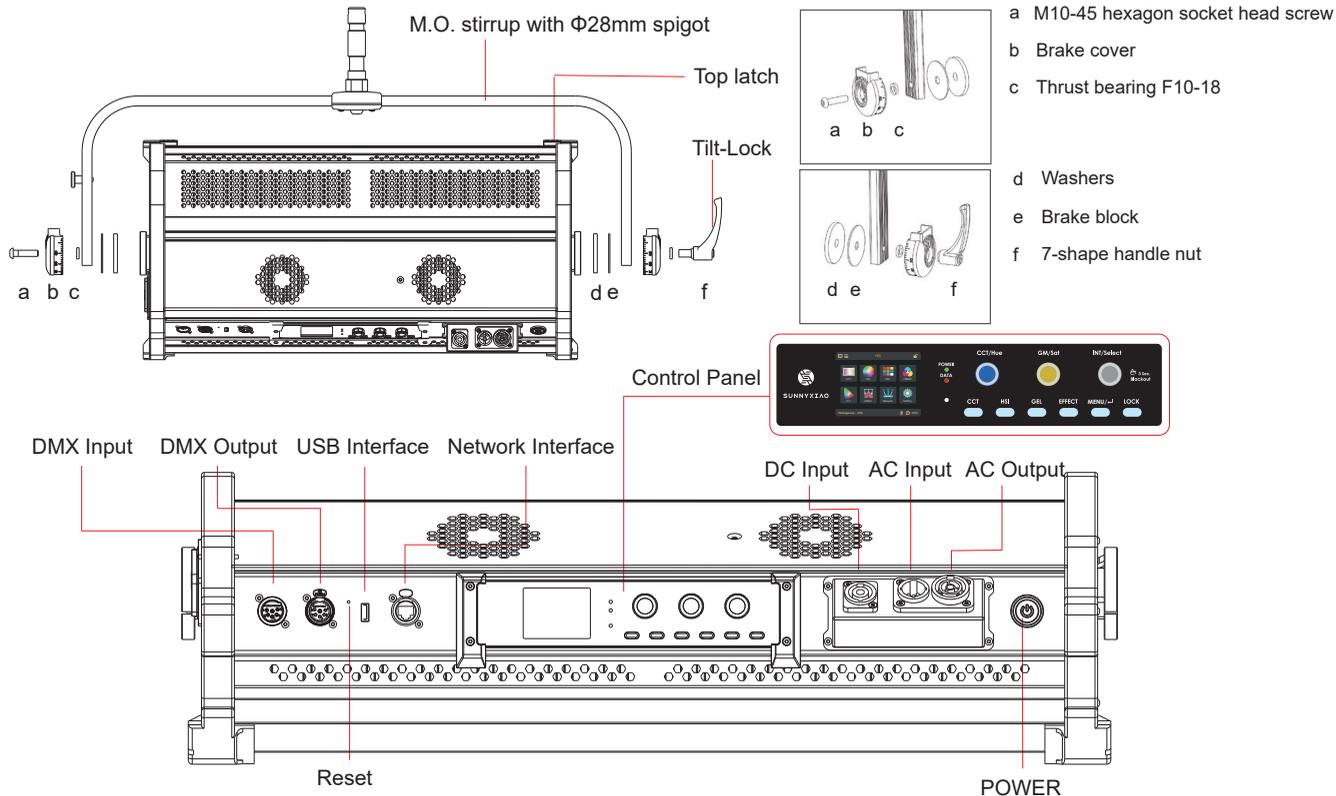
Instructions

- 01) Please check product integrity before using. If not, please contact with your sellers or Sunnyxiao immediately.
- 02) We recommended only technicians could install, operate and maintain the LED lighting fixture according to the instructions.
- 03) Please using the correct power supply according to the power specifications.
- 04) Do not cover the fixture or plug the vent. It is necessary to clean the fan frequently and keep the vent away from dust, dirt or obstacles.
- 05) Do not look directly at the light source to avoid harm to the eyes.
- 06) Only qualified technicians are allowed to repair and assemble the components of the LED lighting fixture.
- 07) Make sure that the fixture is properly secured in the appropriate frame. When hanging or clamping, the fixture must be correctly fixed with safety cables and buckled with appropriate length.
- 08) Always unplug the lighting fixture from the electrical outlet before maintenance. Do not disassemble this fixture when in use.
- 09) The optimum working angle of the lighting fixture is $+90^{\circ}$ to 0 to -90° . Do not tilt beyond these angles, otherwise the LED lamps will suffer damage.
- 10) Do not touch the surface of the LED light source.
- 11) The manufacturer shall not be responsible for any damage caused by accidental use or wrong operation.
- 12) For any assistance, please contact your local dealer or Sunnyxiao.
- 13) Further notice will not be given if the design or specifications change.

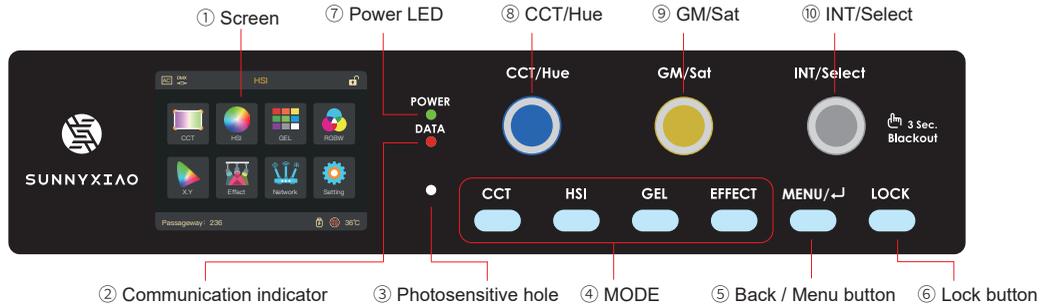


Note: Please cut off the power supply before installation, maintenance and cleaning.

Product Structure



Control Panel Operation Instructions (1)



No.	Features	Indication
①	Screen	Display the current menu settings and other information
②	Communication indicator	Flashing when receiving communication signal
③	Photosensitive hole	Screen adaptive brightness adjustment
④	MODE	Quick selection for CCT, HSI, GEL and EFFECT
⑤	Back / Menu button	Return to previous page or main menu: The main menu is including CCT, HSI, GEL, RGBW, X.Y, EFFECT, Communication and Setting.
⑥	Lock button	Press the button for 2 seconds to lock/unlock. The icon “  ” will be shown under locked state.
⑦	Power LED	The LED is keeping on when the power is on.

No.	Features	Indication
⑧	CCT/Hue	CCT mode: continuous adjustment, 2700-10000K HSI mode: full range hue adjustment, 0°-359° X.Y mode: X coordinate adjustment, 0.2000-0.8000 Effect mode: speed adjustment, 0-100
⑨	GM/Sat	CCT mode: green/Red adjustment, -100 to +100 HSI mode: saturation adjustment, 0%-100% GEL mode: continuous adjustment of color temperature, 2 basic modes: 3200K and 5600K RGBW mode: switch different options X.Y mode: Y coordinate adjustment, 0.2000-0.8000 Effect mode: switch type/ different parameters adjustment
⑩	INT/Select	<p>The INT wheel can switch different mode under main menu. Press the INT wheel to confirm or enter next level menu.</p> <p>CCT mode & HSI mode: brightness adjustment, 0.0%-100.0%</p> <p>GEL mode: switch and confirm different mode; press the INT wheel to adjust the brightness, 0.0%-100.0%</p> <p>RGBW mode: different parameters adjustment</p> <p>X.Y mode: brightness adjustment, 0.0%-100.0%</p> <p>Effect mode: different parameters adjustment</p> <p>Lock/unlock usage: Hold the INT wheel 3 seconds to lock all buttons and knobs. Hold the INT wheel 3 seconds again to unlock all buttons and knobs.</p>

Control Panel Operation Instructions (2)

Control panel setting

Press "MENU" to enter the menu



Menu>CCT



Shortcut key "CCT"



Switch and press the INT/Select to choose CCT



CCT, switch the CCT/Hue knob to adjust CCT from 2700K to 10000K

Green-Magenta-Adjustment, switch the GM/Sat knob to adjust from -100 to 100

Brightness, switch the INT/Select knob to adjust from 0.0% to 100.0%



CCT/Hue

GM/Sat

INT/Select

Menu>HSI



Shortcut key "HSI"



Switch and press the INT/Select to choose HSI



CCT/Hue

GM/Sat

INT/Select



Hue, switch the CCT/Hue knob to adjust from 0° to 359°

Saturation, switch the GM/Sat knob to adjust from 0% to 100%

Brightness, switch the INT/Select knob to adjust from 0.0% to 100.0%

Menu>GEL



Shortcut key "GEL"



Switch and press the INT/Select to choose GEL



CCT/Hue GM/Sat INT/Select



Switch and press the INT/Select to choose R series/L series

R series:120 options
L series:195 options



CCT, switch the GM/Sat knob to choose 3200K/5600K
Brightness, switch the INT/Select knob to adjust from 0.0% to 100.0%

Menu>X.Y



CCT/Hue GM/Sat



INT/Select

Switch and press the INT/Select to choose X.Y



X-coordinate, switch the CCT/Hue knob to adjust from 0.2000 to 0.8000

Y-coordinate, switch the GM/Sat knob to adjust from 0.2000 to 0.8000

Brightness, switch the INT/Select knob to adjust from 0.0% to 100.0%

Menu>RGBW



CCT/Hue GM/Sat



INT/Select

Switch and press the INT/Select to choose RGBW



Switch the GM/Sat knob to choose 5 different options, red/green/blue/white/brightness

Switch the INT/Select knob to adjust parameter from 0% to 100%

Menu>EFFECT



Shortcut key "EFFECT"



Switch and press the INT/Select to choose EFFECT



CCT/Hue

GM/Sat

INT/Select



Switch the INT/Select to choose different scene



Speed, switch the CCT/Hue knob to adjust from 1 to 100

Saturation, switch the GM/Sat knob to adjust from 0% to 100%

Brightness, switch the INT/Select knob to adjust from 0.0% to 100.0%

Menu>EFFECT



CCT/Hue GM/Sat



INT/Select
Switch and press the
INT/Select to choose
RGBW



Speed, switch the CCT/Hue knob to adjust from 1 to 100

Bias, switch the GM/Sat knob to adjust from 1 to 100

Brightness, switch the INT/Select knob to adjust from 0.0% to 100.0%



Switch the GM/Sat knob to choose different options

Switch the INT/Select knob to adjust parameter

Speed: 0-100; Min: 0-100

Source: CCT/HSI/GEL/RGBW/XY

Brightness: 0.0%-100%



Switch the GM/Sat knob to choose different options

Switch the INT/Select knob to adjust parameter

Frequency: 0-100; Type: Modern/Flash

CCT: 2700K-10000K; Green-Magenta-Adjustment: -100GN~+100GN; Brightness: 0.0%-100%

Menu>EFFECT



CCT/Hue GM/Sat



INT/Select

Switch and press the INT/Select to choose RGBW



Speed, switch the CCT/Hue knob to adjust from 1 to 100

CCT, switch the GM/Sat knob to choose warm/neutral/cold

Brightness, switch the INT/Select knob to adjust from 0.0% to 100.0%



Speed, switch the CCT/Hue knob to adjust from 1 to 100

Source, switch the GM/Sat knob to choose CCT/HSI/GEL/RGBW/XY

Brightness, switch the INT/Select knob to adjust from 0.0% to 100.0%



Frequency, switch the CCT/Hue knob to choose single/double/quint all/quint/quad/cycle

Combination, switch the GM/Sat knob to choose B/R+B/B+W/R+B+W/B+A/B+R+A/R+A/A/R

Brightness, switch the INT/Select knob to adjust from 0.0% to 100.0%

Menu>EFFECT



CCT/Hue GM/Sat



INT/Select
Switch and press the
INT/Select to choose
RGBW



- Speed, switch the CCT/Hue knob to adjust from 1 to 100
- CCT type, switch the GM/Sat knob to choose warm/neutral/cold
- Brightness, switch the INT/Select knob to adjust from 0.0% to 100.0%



- Speed, switch the CCT/Hue knob to adjust from 1 to 100
- CCT type, switch the GM/Sat knob to choose warm/neutral/cold
- Brightness, switch the INT/Select knob to adjust from 0.0% to 100.0%



- Switch the GM/Sat knob to choose different options
- Switch the INT/Select knob to adjust parameter
- Frequency: 0-100; Speed: 0-100
- Source: CCT/HSI/GEL/RGBW/XY
- Brightness: 0.0%-100%

Menu>EFFECT



CCT/Hue GM/Sat



INT/Select

Switch and press the
INT/Select to choose
RGBW



Switch the GM/Sat knob to choose different options

Switch the INT/Select knob to adjust parameter

Speed: 0-100; Duration: 0-100

Source: CCT/HSI/GEL/RGBW/XY

Brightness: 0.0%-100%



Switch the GM/Sat knob to choose different options

Switch the INT/Select knob to adjust parameter

Speed:0-100; Saturation: 0-100

Bias: 0-100; Brightness: 0.0%-100%



Switch the GM/Sat knob to choose different options

Switch the INT/Select knob to adjust parameter

Frequency: 0-100;Speed:0-100

Source: CCT/HSI/GEL/RGBW/XY

Brightness: 0.0%-100%

Menu>EFFECT



CCT/Hue GM/Sat



INT/Select

Switch and press the INT/Select to choose RGBW



- Speed, switch the CCT/Hue knob to adjust from 1 to 100
- Colors, switch the GM/Sat knob to choose adjust from 1 to 24
- Brightness, switch the INT/Select knob to adjust from 0.0% to 100.0%



- Decay, switch the CCT/Hue knob to adjust from 1 to 100
- Source, switch the GM/Sat knob to choose CCT/HSI/GEL/RGBW/XY
- Brightness, switch the INT/Select knob to adjust from 0.0% to 100.0%



- Speed, switch the CCT/Hue knob to adjust from 1 to 100
- Color, switch the GM/Sat knob to choose Colors/CCT/CLR+CCT
- Brightness, switch the INT/Select knob to adjust from 0.0% to 100.0%

Menu > Network



Switch and press the
INT/Select to choose Network



CCT/Hue

GM/Sat

INT/Select



Address: 001-512; Lost status: Hold/Delay

DMX status: On/Off; RDM status: On/Off

Mode (16 kinds): P1.CCT&rgbw 8bit/P2.CCT 8bit/

P3.CCT&HSI 8bit/P4.rgbw 8bit/P5.HSI 8bit/

P6.CCT&rgbw 16bit/P7.CCT 16bit/P8.CCT&HSI 16bit/

P9.rgbw 16bit/P10.HSI 16bit/P16.GEL V2 8bit/

P17.GEL V2 16bit/P18.x.y 8bit/P19.x.y 16bit/P22.Effect 8bit/

P23.Effect 16bit/P24.LE CCT&RGBW 8bit/P26.LE HSI 8bit

P30.Ultimate DMX 8bit

Menu> Network



INT/Select
Switch and press
the INT/Select to
choose Network



Slave Mode

Master Mode



WIFI OFF

WIFI ON

Switch and press the
INT/Select to choose "ON",
then choose "Wifi Link"



Switch and press the GM/Sat
to choose SW/ID
Switch and press the
INT/Select to adjust parameter
Set wireless DMX ON/OFF
ID address: 1 RED/2 GREEN/
3 YELLOW/4 BLUE/
5 PURPLE/6 CYAN/7 WHITE

Menu > Network



INT>Select
Switch and press
the INT>Select to
choose Network



CRMX OFF

CRMX ON

Remove the original pairing,
then choose "ON" to re-pair



This function has not been activated yet, and it can be used normally after the system updated.



This function has not been activated yet, and it can be used normally after the system updated.

Menu > Setting



INT/Select
Switch and press
the INT/Select to
choose RGBW



Switch and press the INT/Select
to choose different setting

Light Mode: Normal

Light Mode: High Speed



Switch and press the INT/Select
to choose different dim curve

Liner
Exponent
Logarithm
S
TV

Menu> Setting



INT>Select
Switch and press
the INT>Select to
choose RGBW



Switch the GM/Sat knob to
choose different options

Switch the INT>Select knob to
adjust parameter

Display brightness: 1-10;
Display locked time:
Always/10Sec/20Sec/30Sec/
40Sec/50Sec/60Sec;
Display rotation: 0°/180°
Key backlight: on/off;
Buzzer warning: on/off
Style: night/day



Switch and press the INT>Select
to choose different options

OFF, close the fan
Low, Fan rotates at low speed
Auto, Fan rotates by auto speed
High, Fan rotates at high speed
Full, Fan rotates at full speed

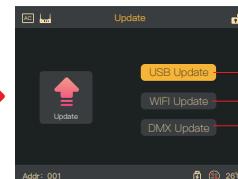
Menu> Setting



INT/Select
Switch and press
the INT/Select to
choose RGBW



Switch and press the INT/Select
to choose language



System upgrades by USB drive
This function has not been
activated yet.
This function has not been
activated yet.

Menu> Setting



INT/Select
Switch and press
the INT/Select to
choose RGBW



Restore factory settings: No/Yes

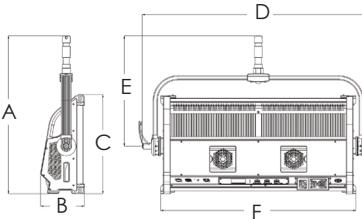


Display the current system
information of the device

DMX mode

8 bit 1 channel per function	16 bit 2 channels per function
DMX mode 1 CCT&rgbw	DMX mode 6 CCT&rgbw
DMX mode 2 CCT	DMX mode 7 CCT
DMX mode 3 CCT&HSI	DMX mode 8 CCT&HSI
DMX mode 4 rgbw	DMX mode 9 rgbw
DMX mode 5 HSI	DMX mode 10 HSI
DMX mode 16 GEL V2	DMX mode 17 GEL V2
DMX mode 18 x.y	DMX mode 19 x.y
DMX mode 22 Effect	DMX mode 23 Effect
DMX mode 24 LE CCT & rgbw	
DMX mode 26 LE HSI	
DMX mode 30 Ultimate DMX	

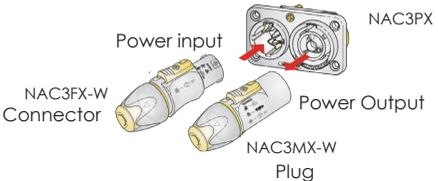
Technical Data



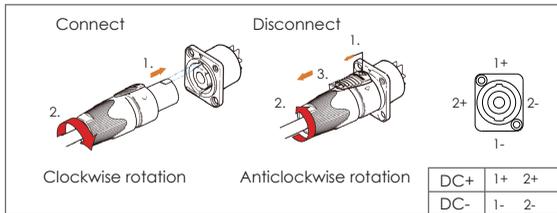
Model No.	C01P	C02P	C04P
Power	220W	450W	500W
Input Voltage	22-36V DC	95-260V AC/22-36V DC	95-260V AC/22-36V DC
Input current	7.7A@30V DC	2.2A@220V AC/1.6A@30V DC	2.5A@220V AC/1.7A@30V DC
CCT	2700K-10000K	2700K-10000K	2700K-10000K
Led Mixing	RGBW Mixing	RGBW Mixing	RGBW Mixing
CRI	>95	>95	>95
TLCI	>95	>95	>95
Dimming	0-100% continuous	0-100% continuous	0-100% continuous
Estimated LED Lifetime	30,000 hours	30,000 hours	30,000 hours
Light Aperture	340*315mm/13.4*12.4"	655*315mm/25.8*12.4"	1290*315mm/50.7*12.4"
Mounting	28mm(1-1/8in.) spigot	28mm(1-1/8in.) spigot	228mm(1-1/8in.) spigot
Control	CRMX, APP, WIFI, Wired DMX, Wireless DMX	CRMX, APP, WIFI, Wired DMX, Wireless DMX	CRMX, APP, WIFI, Wired DMX, Wireless DMX
Protection Class / IP Rating	1/IP23	1/IP23	1/IP23
Max surface temperature	65°C (133°F)	65°C (133°F)	65°C (133°F)
Ambient temperature	-20°C—45°C (-4°F—113°F)	-20°C—45°C (-4°F—113°F)	-20°C—45°C (-4°F—113°F)
Tilt angle	+90°~0°~-90°	+90°~0°~-90°	+90°~0°~-90°
Weight	7.6kg	12.5kg	19.5kg
Certifications	CE,RoHS	CE,RoHS	CE,RoHS
Sizes(mm)	A	568	568
	B	158	158
	C	357	357
	D	489	1439
	E	397	397
	F	384	1335

Installation – Power

AC Input

Power cable	Connection	Cable	Wiring	
 length: 3m	NEUTRIK powerCON TURE1 IN: NAC3FX-W OUT: NAC3MX-W	C01P 3G 1.5mm ² C02P 3G 1.5mm ² C04P 3G 2.5mm ²	L: Brown N: Blue PE: Yellow / Green	

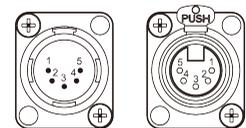
DC Input



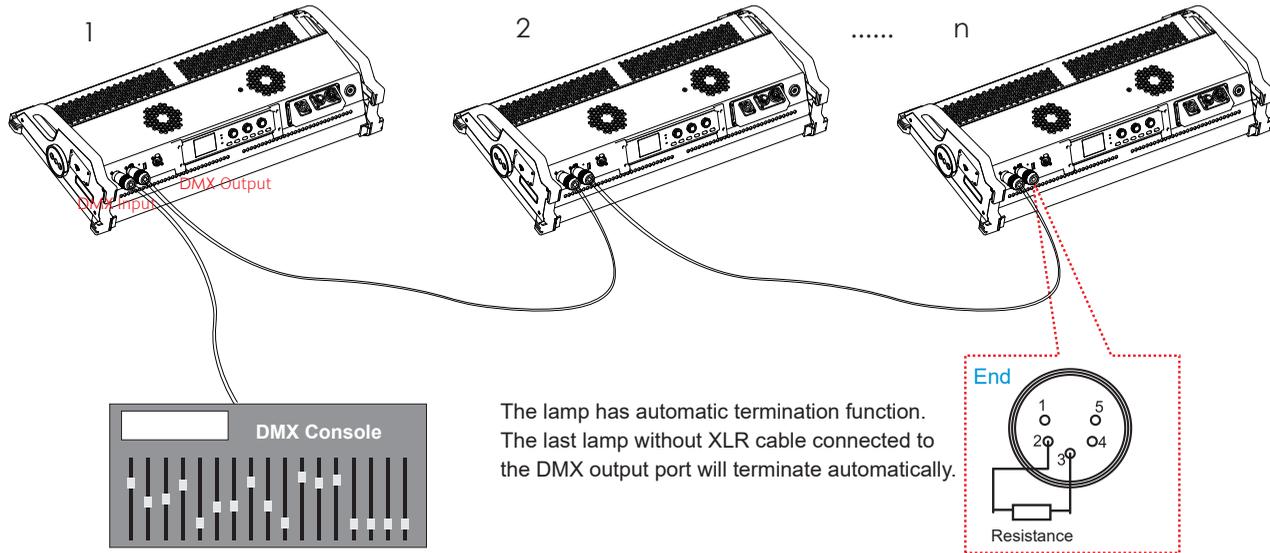
Input Voltage 22-36V DC

DMX interface schematic

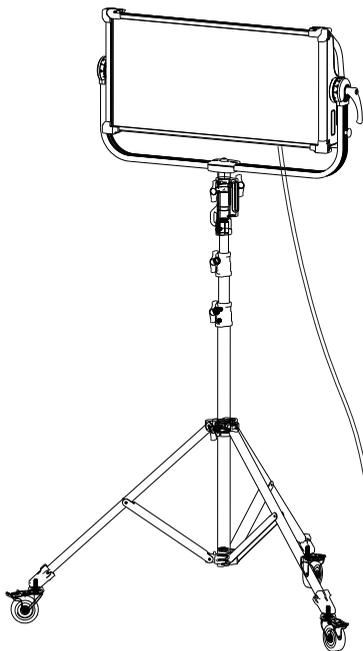
DMX512	
Pin	Function
1	GND
2	DATA-
3	DATA+
4	Reserve
5	Reserve



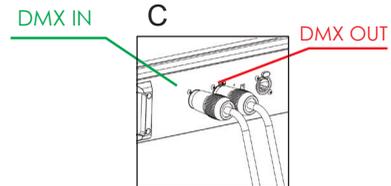
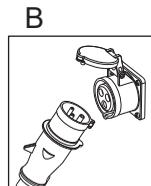
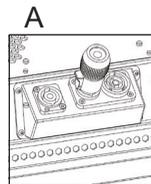
DMX loop connection



Operation-connect cable

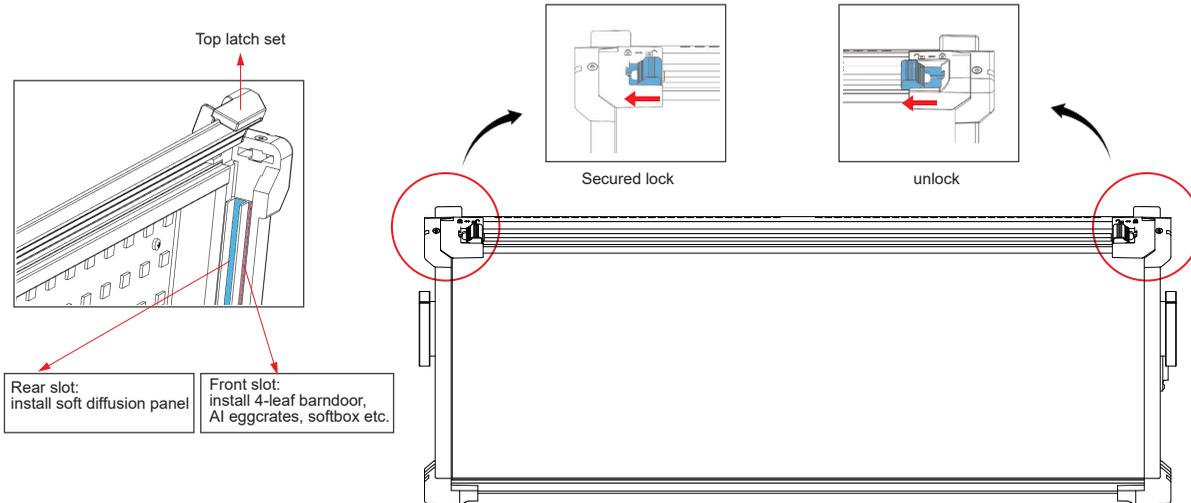


1. Please power off before you connect.
2. Connect one end of the power cable to AC input (refer to figure A) and connect another end of the power cable to main power supply. (refer to figure B)
3. Connect DMX cable when you need. (refer to figure C)
4. Power on.
5. Control panel operation guide refer to page 04-22.



Installation - Accessories

Soft diffusion panel/ 4-leaf barndoor/ Al eggcrates/ Softbox



Installation steps

1. Pull the latches on both sides inward to release the latch, and then open the top latch set.
2. Different accessories can be installed according to requirements. The rear slot can be equipped with soft diffusion panel. The front slot can be equipped with 4-leaf barndoor, Al eggcrates, softbox and others.
3. Close the top latch set and push the latch outward to lock it tightly.

Cleaning and Maintenance

To optimize the performance of the LED CASTER, please keep it clean, dry and no dust. Clean the fans and frame regularly to ensure effective ventilation. The frequency of cleaning depends on actual environment. It is necessary to arrange regularly clean if the environment is dusty and humid.

Precaution

Always unplug the lighting fixture from the electrical outlet before cleaning and maintenance. Do not touch the LED module during the cleaning and maintenance.

Repairment

We recommended only technicians could repair the LED lighting fixture according to the page 30 “Fault Handling Guide”. For any assistance, please contact your local dealer or Sunnyxiao.

Fault Handling Guide

Note

- We recommended only technicians could repair the LED lighting fixture.
- Please contact your local dealer or Sunnyxiao.

Fault	Fault isolation
Unable to start	<ul style="list-style-type: none"> • Check the power button is on • Check all cables are properly connected • Check the damage for cables
Knob malfunction	<ul style="list-style-type: none"> • Please contact Sunnyxiao.
Deformed or damaged aluminum housing	<ul style="list-style-type: none"> • Please contact Sunnyxiao.
Screw loose	<ul style="list-style-type: none"> • Secure with a suitable screwdriver • If the screw is damaged, please contact Sunnyxiao.
Discolored or damaged connector	<ul style="list-style-type: none"> • Please contact Sunnyxiao.
Monitor no display	<ul style="list-style-type: none"> • Check the power • Check overheating protection • Check the connection for cables
Unable to control LED CASTER by DMX controller	<ul style="list-style-type: none"> • Check the digital signal • Check the cable and connector • Check the DMX address
Unable to set DMX address	<ul style="list-style-type: none"> • Ensure the address's validity, range: 1-512 (note: The ID address cannot be set to "0" or more than "512".)
CASTER can not be operated manually when DMX cable is connected	<ul style="list-style-type: none"> • Set the DMX address to "0" • Disconnect the DMX cable and power off the CASTER, then restart the lighting fixture.



Official website



Official Account

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