

The Instruction

LED Panel

- CASTER C08P
- CASTER C09P
- CASTER C12P



CONTENTS

Instructions · · · · · · · · · · · · · · · · · · ·	02
Product Structure · · · · · · · · · · · · · · · · · · ·	03
Control Panel Operation Instructions (1)	04
Control Panel Operation Instructions (2)	06
Technical Data · · · · · · · · · · · · · · · · · ·	23
DMX Protocol	24
Installation – Power	26
DMX loop connection	27
Operation-connect cable	28
Installation - Accessories	30
Cleaning and Maintenance	31
Fault Handling Guide	32



Instructions

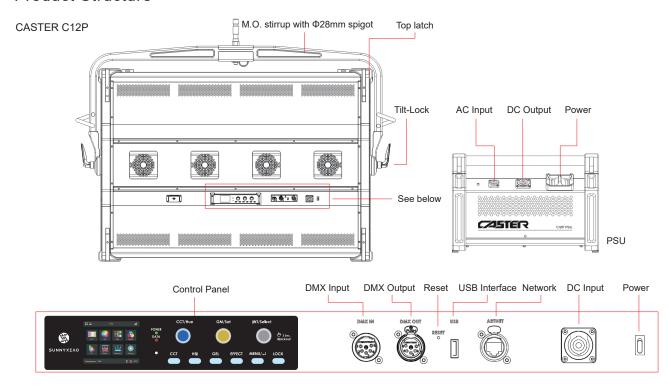
- 01) Please check product integrity before using. If not, please contact with your sellers or Sunnyxiao immediately.
- 02) We recommended only technicians could install, operate and maintain the LED lighting fixture according to the instructions.
- 03) Please using the correct power supply according 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 ° 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.

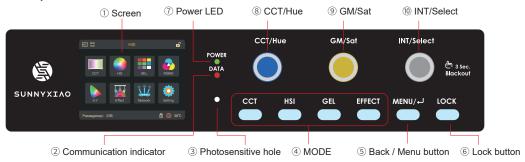


Product Structure





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
100	INT/Select	The INT wheel can switch different mode under main menu. Press the INT wheel to confirm or enter next level menu. CCT mode & HSI mode: brightness adjustment, 0.0%-100.0% GEL mode: switch and confirm different mode; press the INT wheel to adjust the brightness, 0.0%-100.0% RGBW mode: different parameters adjustment X.Y mode: brightness adjustment, 0.0%-100.0% Effect mode: different parameters adjustment 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.



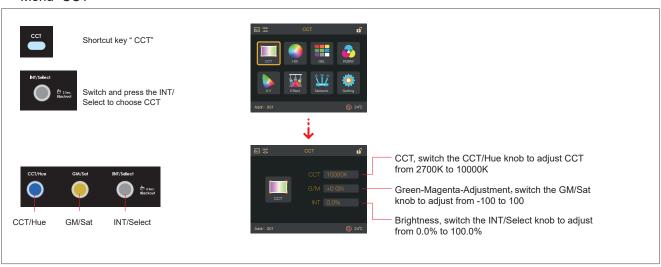
Control Panel Operation Instructions (2)

Control panel setting

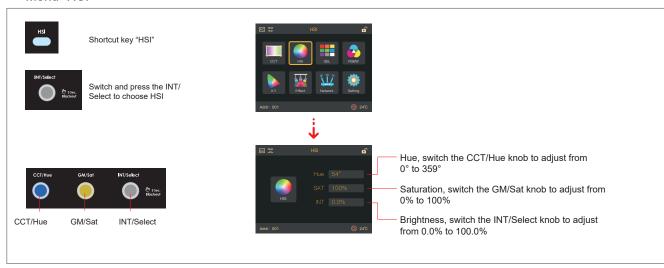
Press "MENU" to enter the menu



Menu>CCT

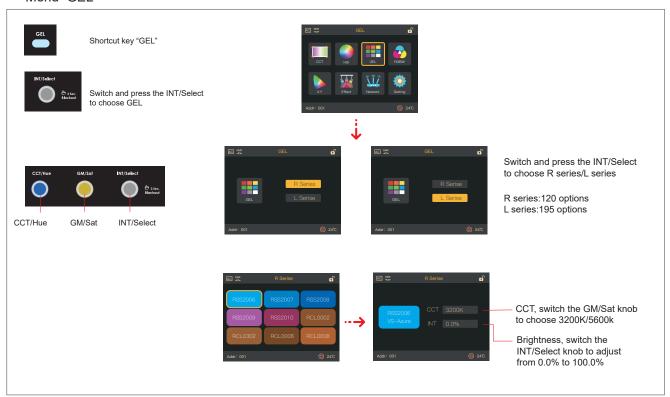


Menu>HSI



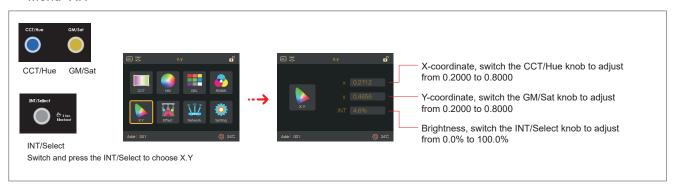


Menu>GEL





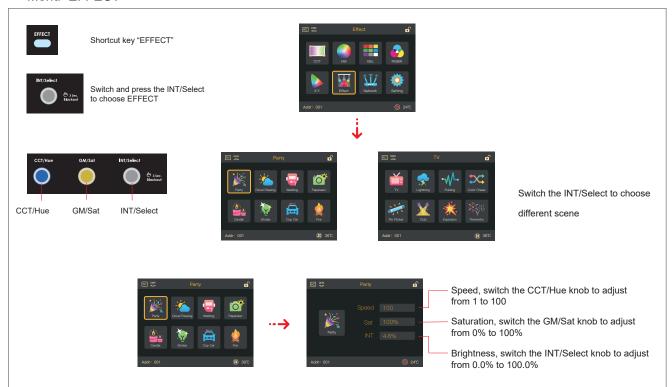
Menu>X.Y



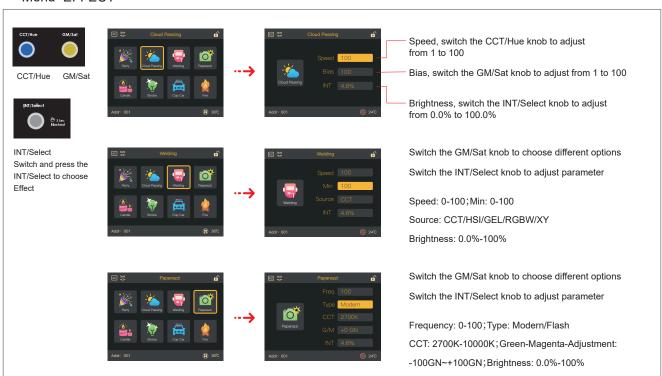
Menu>RGBW



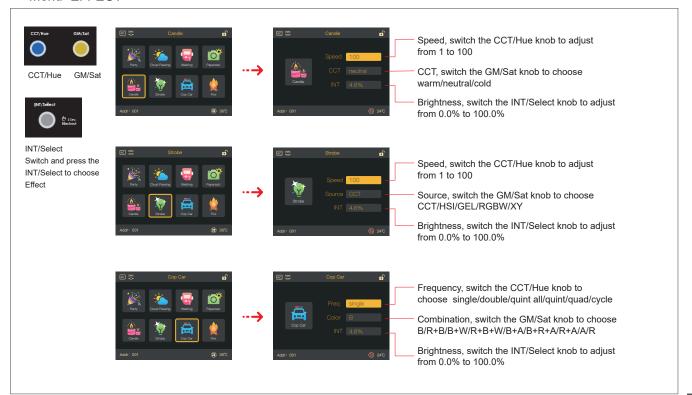




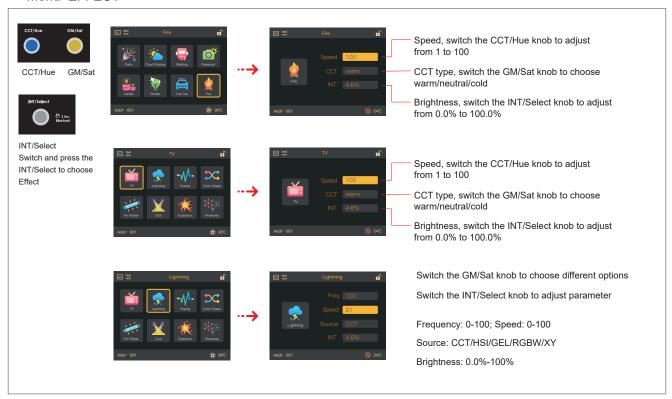


















INT/Select Switch and press the INT/Select to choose Effect











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

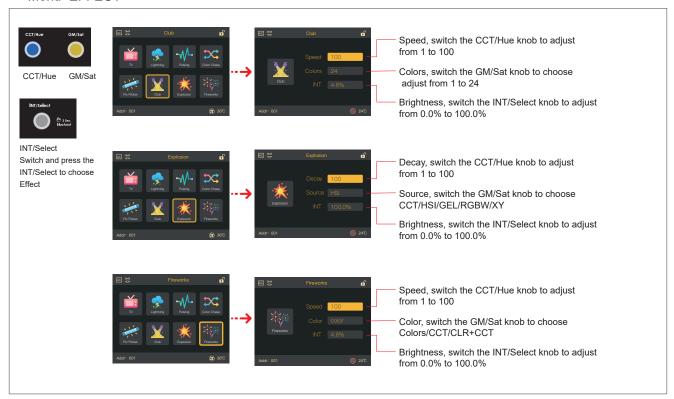
Bias: 0-100; Brightness: 0.0%-100%

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

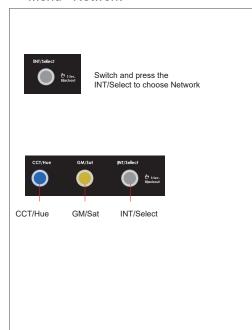
Brightness: 0.0%-100%







Menu> Network

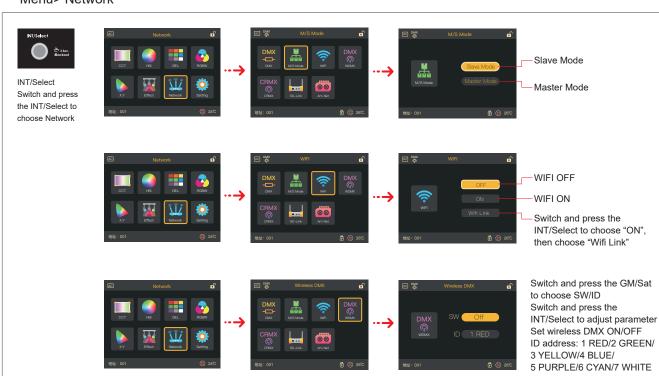




Address: 001-512; Lost status: Hold/Delay DMX status: On/Off; RDM status: On/Off Mode (16 kinds): P1.CCT&rgbw 8bit/P2.CCT 8bit/ P3.CCT&HSI 8bit/P4.rgbw 8bit/P5.HSI 8bit/ P6.CCT&rgbw 16bit/P7.CCT 16bit/P8.CCT&HSI 16bit/ P9.rgbw 16bit/P10.HSI 16bit/P16.GEL V2 8bit/ P17.GEL V2 16bit/P18.x.y 8bit/P19.x.y 16bit/P22.Effect 8bit/ P23.Effect 16bit/P24.LE CCT&RGBW 8bit/P26.LE HSI 8bit P30.Ultimate DMX 8bit



Menu> Network





Menu> Network





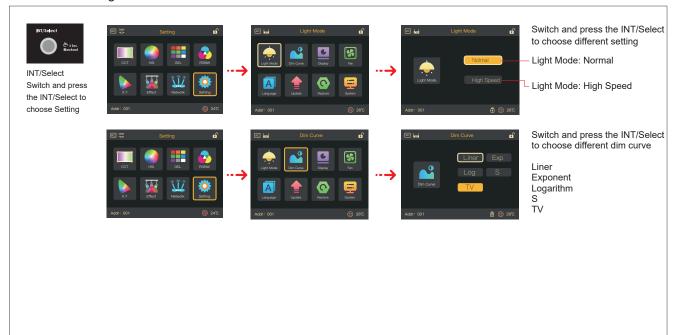


This function has not been activated yet, and it can be used normally after the system updated.



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









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







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















Restore factory settings: No/Yes







Display the current system information of the device

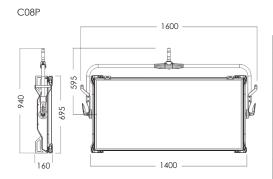


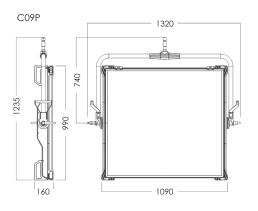
DMX mode

16 bit
2 channels per function
DMX mode 6
CCT&rgbw
DMX mode 7
CCT
DMX mode 8
CCT&HSI
DMX mode 9
rgbw
DMX mode 10
HSI
DMX mode 17
GEL V2
DMX mode 19
x.y
DMX mode 23
Effect



Technical Data

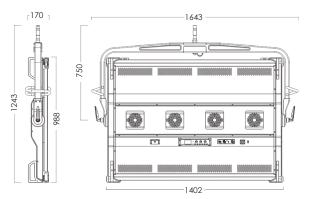




Model No.	C08P	C09P
Power	1000W	1200W
Input Voltage	95-260V AC/48V DC	95-260V AC/48V DC
Input current	7.7A@30V DC	2.2A@220V AC/16A@30V DC
CCT	2700K-10000K	2700K-10000K
Led Mixing	RGBW Mixing	RGBW Mixing
CRI	>95	>95
TLCI	>95	>95
Dimming	0-100% continuous	0-100% continuous
Estimated LED Lifetime	30,000 hours	30,000 hours
Light Aperture	1290*630mm / 50.7*24.8"	920*920mm / 36.2*36.2"
Mounting	28mm(1-1-1/8in.) spigot	28mm(1-1-1/8in.) spigot
Control	CRMX, APP, WIFI, Wired DMX, Wireless DMX	CRMX, APP, WIFI, Wired DMX, Wireless DMX
Protection Class / IP Rating	1/IP23	1/IP23
Max surface temperature	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)
Tilt angle	+90°~0°~-90°	+90°~0°~-90°
Weight	33.5kg	37kg
Certifications	CE,RoHS	CE,RoHS



Technical Data







CASTER C12P

Model No.	C12P	Light Aperture	1290*920mm/50.7*36.2"
Power	1500W	Mounting	28mm(1-1-1/8in.) spigot
Input Voltage	54V DC	Control	CRMX, APP, WIFI,
Input current	7.4A@220V AC/17A@29V DC	Control	Wired DMX, Wireless DMX
ССТ	2700K-10000K	Protection Class / IP Rating	1/IP23
Led Mixing	RGBW Mixing	Max surface temperature	65°C
CRI	>95	Ambient temperature	20°C—45°C (-4°F—113°F)
TLCI	>95	Tilt angle	+90°~0°~-90°
Dimming	0-100% continuous	Weight	43kg
Estimated LED Lifetime	30,000 hours	Certifications	CE,RoHS

PSU

Power	95-260V AC
Power Output	54V DC
Weight	8.6kg
Control	ON/OFF Switch
Power input connection	NEUTRIK PowerCON
Power output connection	NEUTRIK SpeakON



Installation - Power

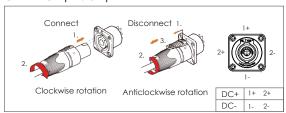
C08P-C09P AC Input

Power cable	Connection	Cable	Wiring	NAC3PX
length:3m	NEUTRIK powerCON TURE1 IN:NAC3FX-W OUT:NAC3MX-W	C08P 3G 2.5mm ² C09P 3G 2.5mm ²	L: Brown N: Blue PE: Yellow / Green	NAC3FX-W Connector NAC3MX-W Plug

C12P AC Input

Power cable	Connection	Cable	Wiring	
length:3m	NEUTRIK powerCON 20 A IN:NAC3FCA-1 OUT:NAC3MPA-1	C12P 3G 2.5mm²	L: Brown N: Blue PE: Yellow / Green	NAC3FCA-1 Connector NAC3MPA-1 Plug

C12P DC Input / Output



DMX interface schematic

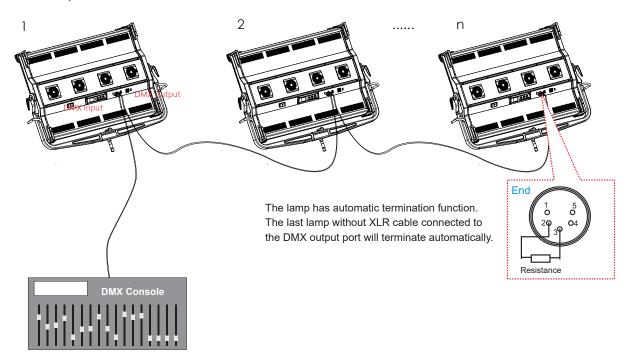
DMX512		
Pin	Function	
1	GND	
2	DATA-	
3	DATA+	
4	Reserve	
5	Reserve	





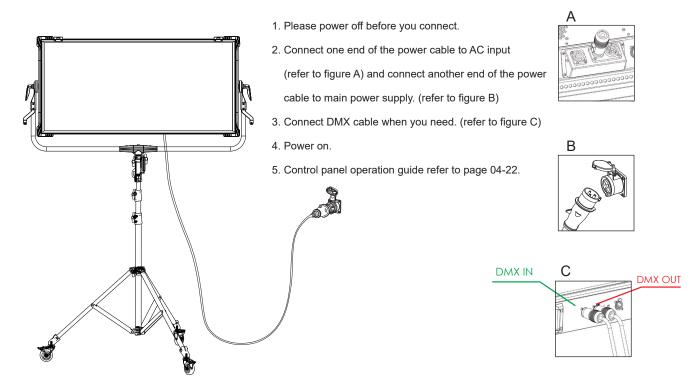


DMX loop connection



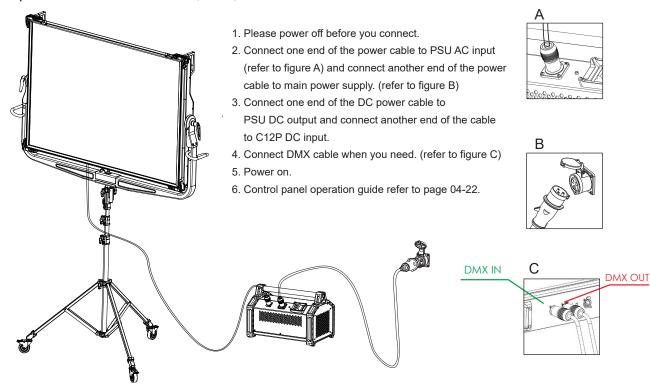


Operation-connect cable (C08P/C09P)





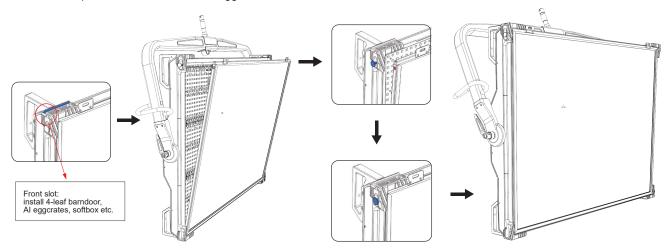
Operation-connect cable (C12P)





Installation - Accessories

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



Installation steps

- 1 Pull the latches on both sides inward to release the latch
- 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, AI 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	Check the power button is on Check all cables are properly connected Check the damage for cables
Knob malfunction	Please contact Sunnyxiao.
Deformed or damaged aluminum housing	Please contact Sunnyxiao.
Screw loose	Secure with a suitable screwdriver If the screw is damaged, please contact Sunnyxiao.
Discolored or damaged connector	Please contact Sunnyxiao.
Monitor no display	Check the power Check overheating protection Check the connection for cables
Unable to control LED CASTER by DMX controller	Check the digital signal Check the cable and connector Check the DMX address
Unable to set DMX address	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	Set the DMX address to "0" Disconnect the DMX cable and power off the CASTER, then restart the lighting fixture.







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