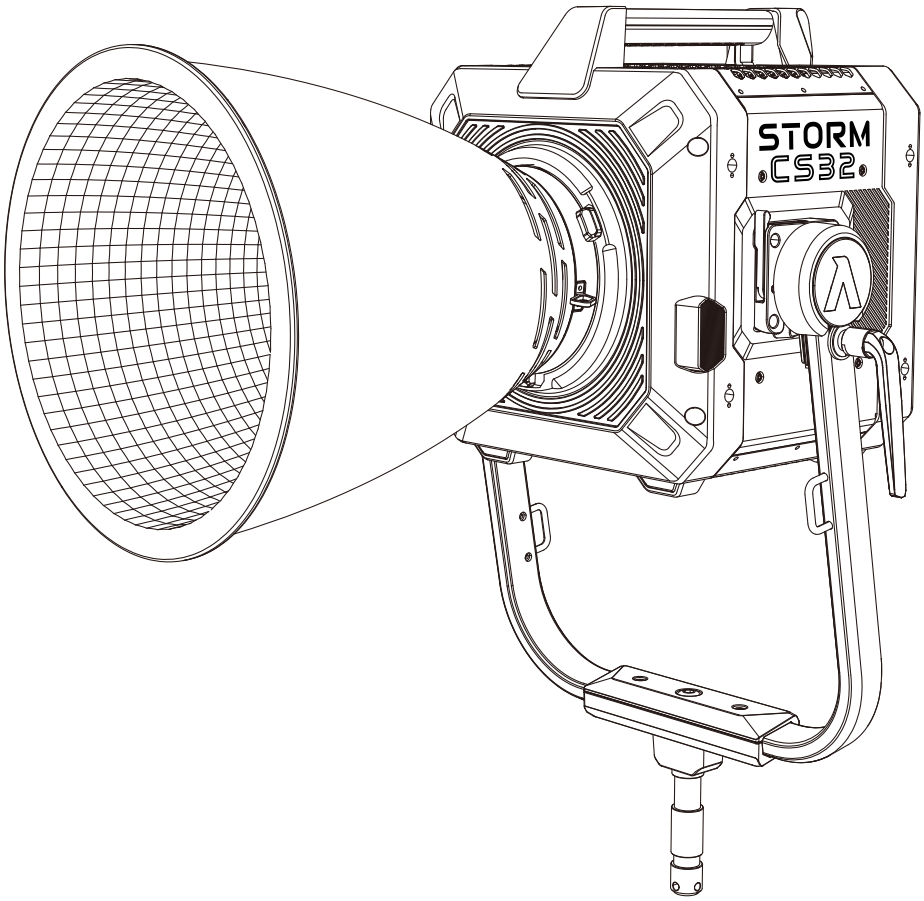
Aputure®



STORM CS32

Product Manual

English

Table of Contents

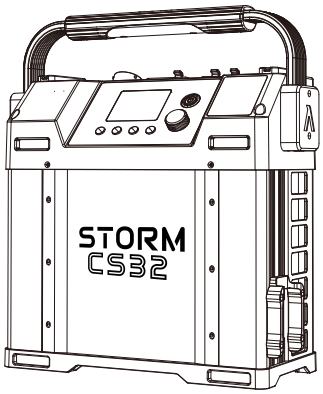
Introduction

Thank you for purchasing the Aputure® "STORM" Series STORM CS32. The STORM CS32 utilizes the BLAIR-CG light engine and is a COB point light source. The compact and Powerful STORM CS32 has an adjustable color temperature of 1800-20000K, In CCT mode, it supports both Daylight Mode and Blackbody Curve Mode, along with full G/M adjustment. and it also supports HSIC+, xy, RGB, GEL, SOURCE modes. The CS32 is fully compatible with Sidus Link, Sidus Link Pro, DM512/RDM, and LumenRadio CRMX control methods. It features an IP65 rating and is equipped with Aputure's electronic mount. The CS32 comes standard with a newly designed high-brightness reflector, and is fully compatible with all STORM XT52 optical accessories, including the motorized CF16 Fresnel, PB70 parallel beam reflector, narrow/medium/wide reflectors,AM Light Dome 150, as well as AM Lantern 120 and AM Lantern 180 softbox attachments – delivering unprecedented creative freedom for your productions!

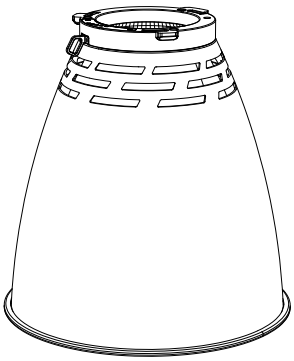
Components List

Before using this product, please check that all of the following items are included in the package. If any are missing, please contact your dealer.

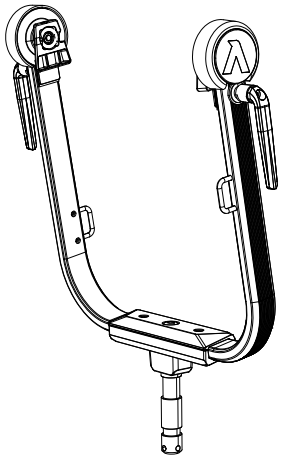
STORM CS32 Lamp Head ×1



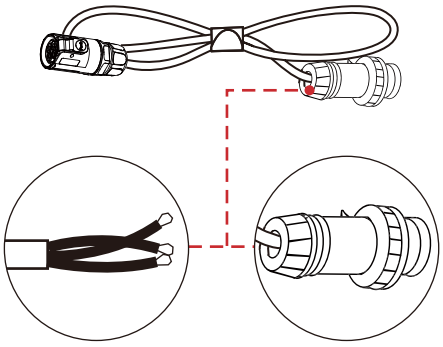
STORM CS32 Control Box ×1



STORM CS32
Medium Reflector ×1

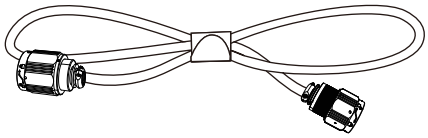


STORM CS32 Removable Yoke ×1



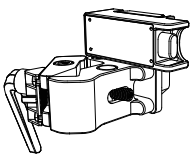
STORM CS32 AC Power Cable -3m ×1

Note: If the AC power Cord without a plug is purchased, a plug will not be provided. It will need to be purchased and assembled separately.



Lamp Head Cable -7.5 m ×1

STORM Series Aputure
Mount Protection Cover ×1

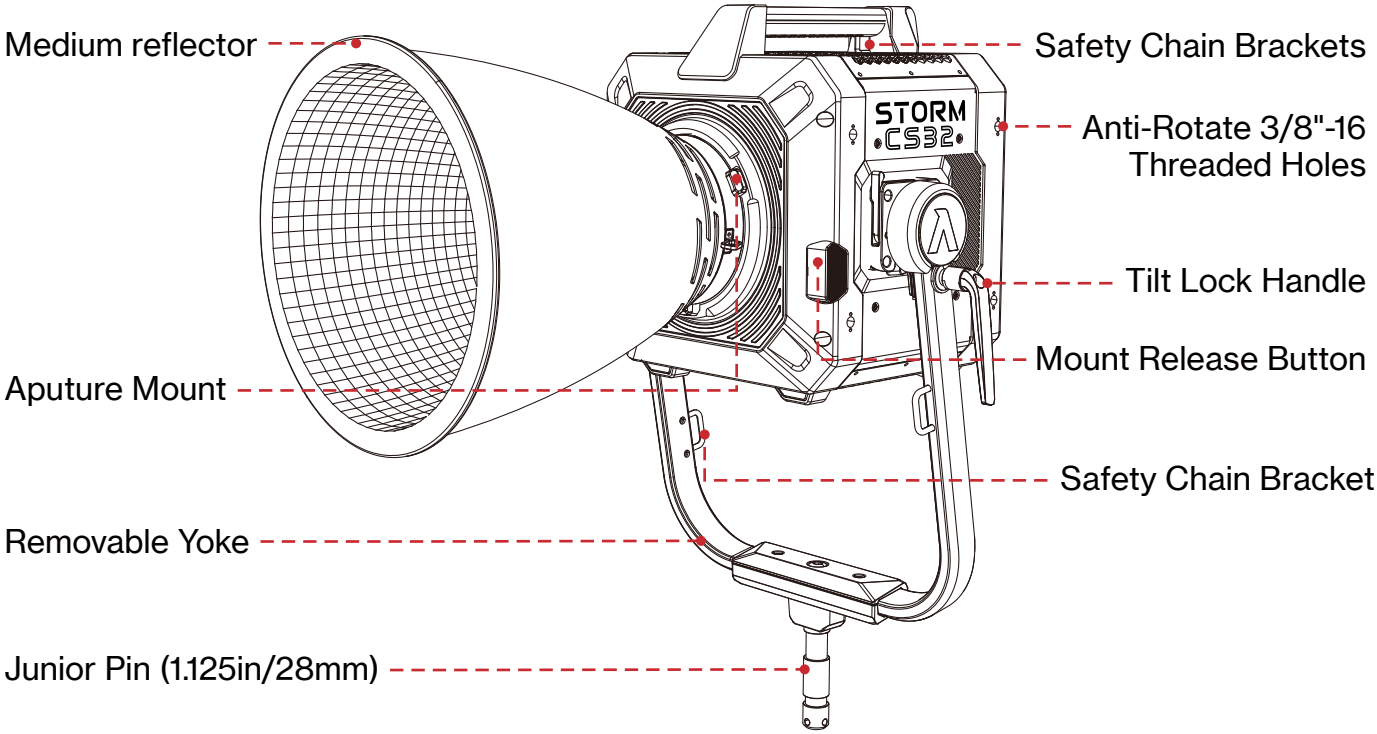


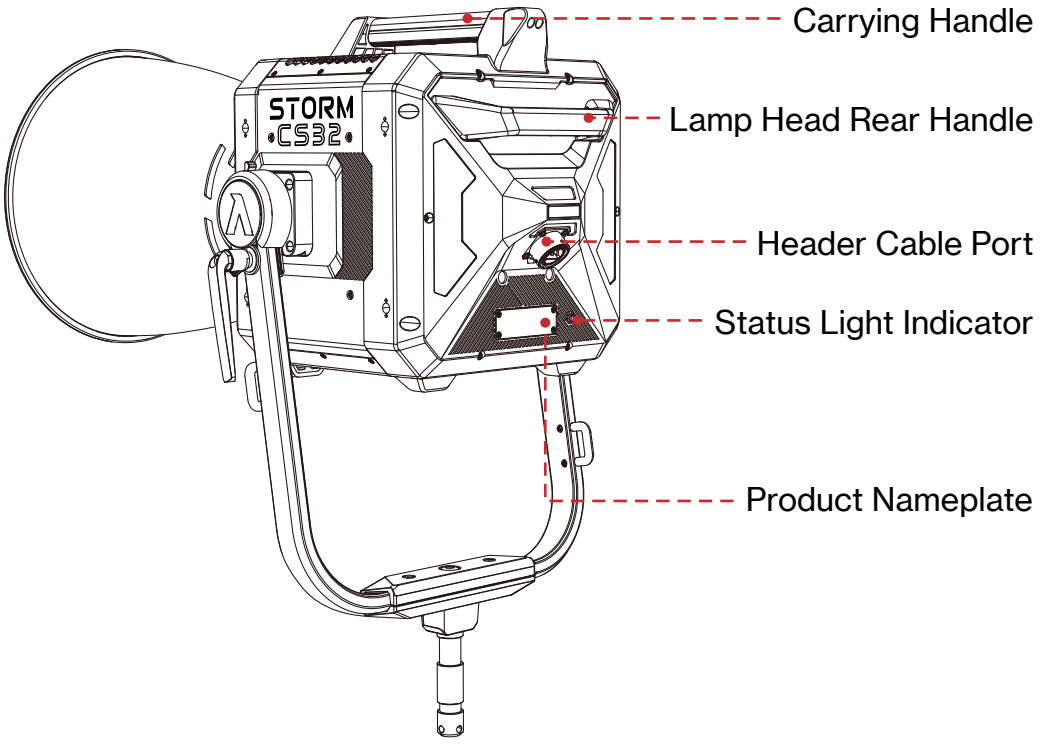
Aputure Ultra Clamp ×1

** All illustrations in this manual are for reference only. Plug specifications vary per region. The physical product may also differ from the schematic diagram due to continuous updates and Upgrades.*

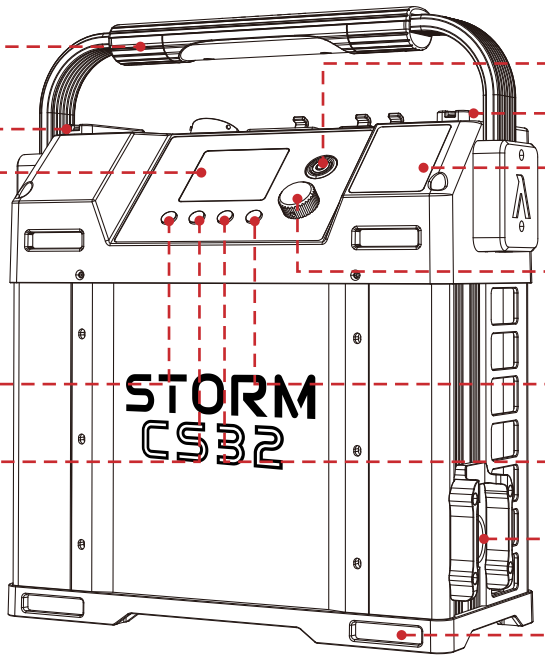
Product Overview

1.Lamp Head

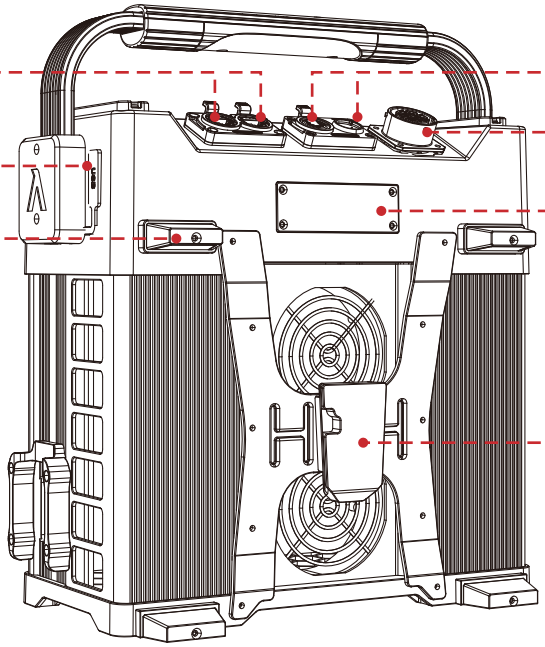




2. Control Box



Carrying Handle
Sidus BT Antenna
LCD Display
Menu Button
Light Mode Button
Power Button
CRMX Antenna
Sidus NFC
Select Wheel
Back Button
Preset Button
AC Input
Control Box Stacking Slot

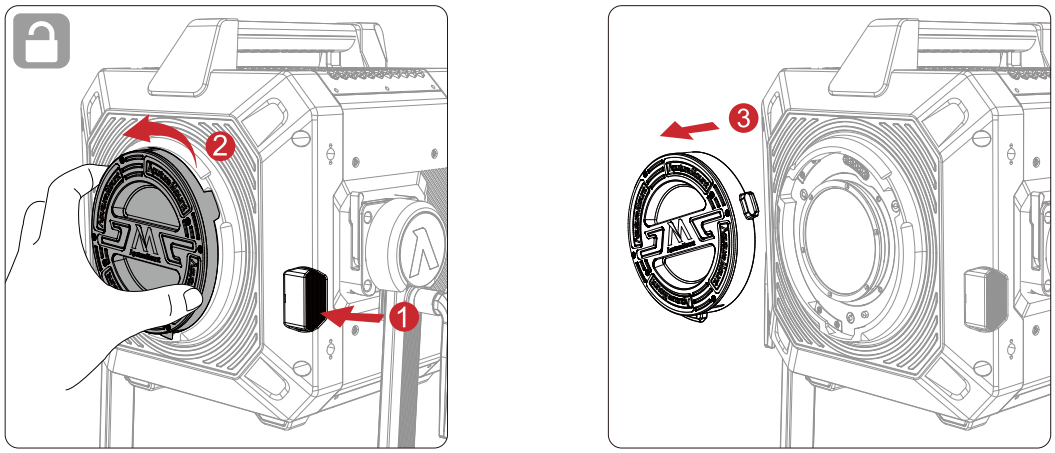


EtherCON RJ45 Ports
USB-A Port
Foot Pad
XLR-5 Pin DMX Port
Head Cable Connector
Product Nameplate
Aputure Ultra Clamp Mounting Plate

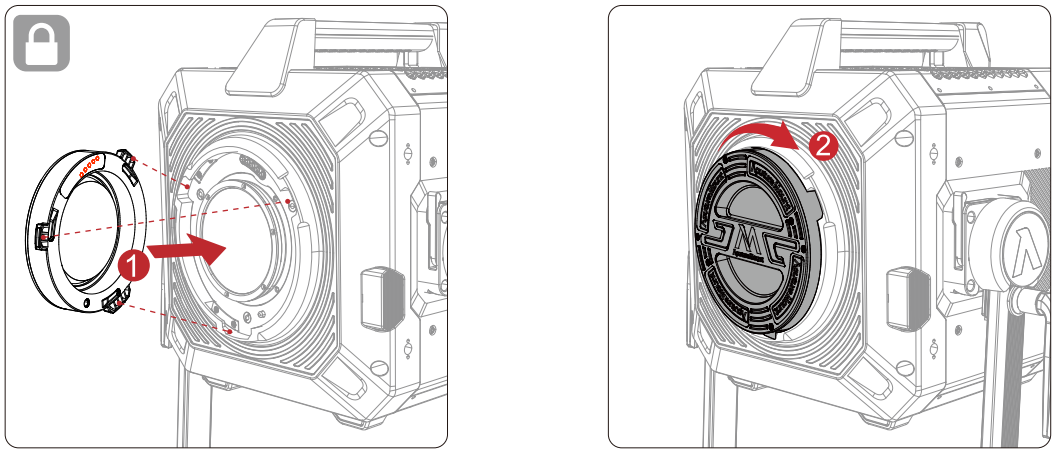
Setup

1. Attaching/Detaching the Aputure Mount Protection Cover

Press the button in the direction of the arrow shown in the diagram, while simultaneously rotating and pulling out the protective cover. To install the protective cover, rotate it in the opposite direction.



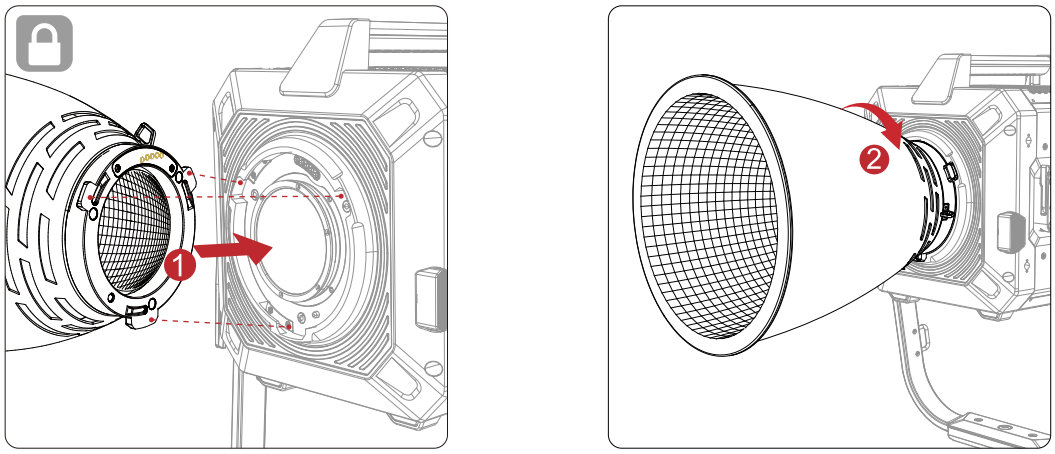
Detaching the Aputure Mount Protection Cover



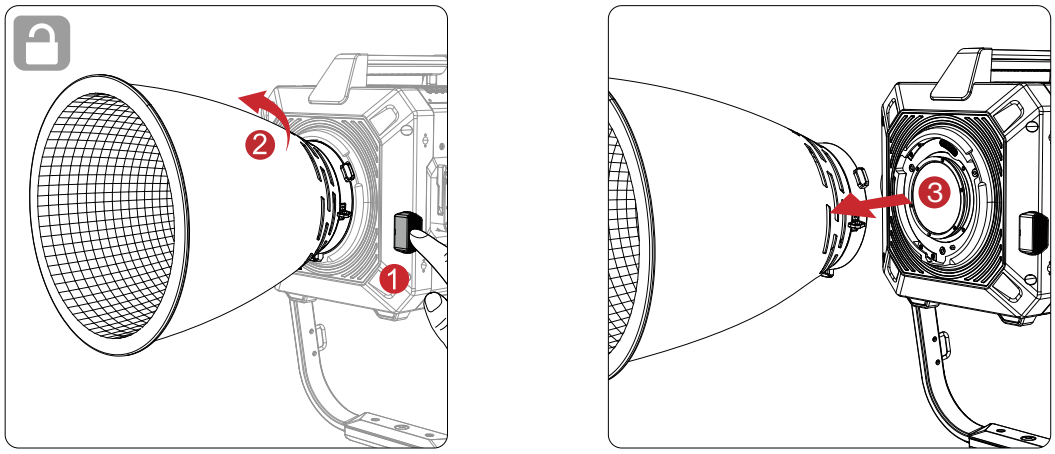
Attaching the Aputure Mount Protection Cover

** Before use, please make sure to remove the protective cover. During transportation and storage, please attach the protective cover.*

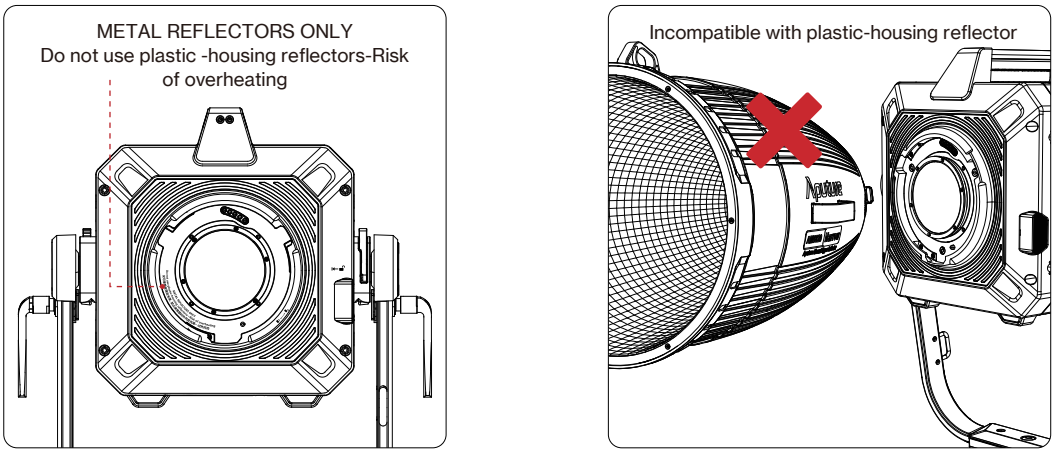
2. Attaching/Detaching the Reflector



Attaching the Reflector



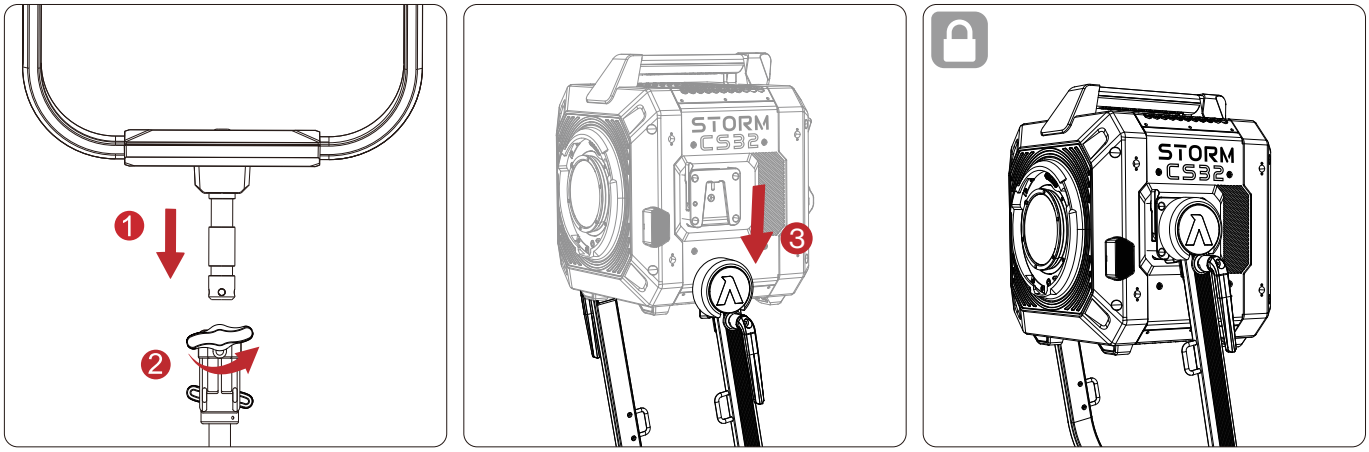
Detaching the Reflector



Reflector installation precautions

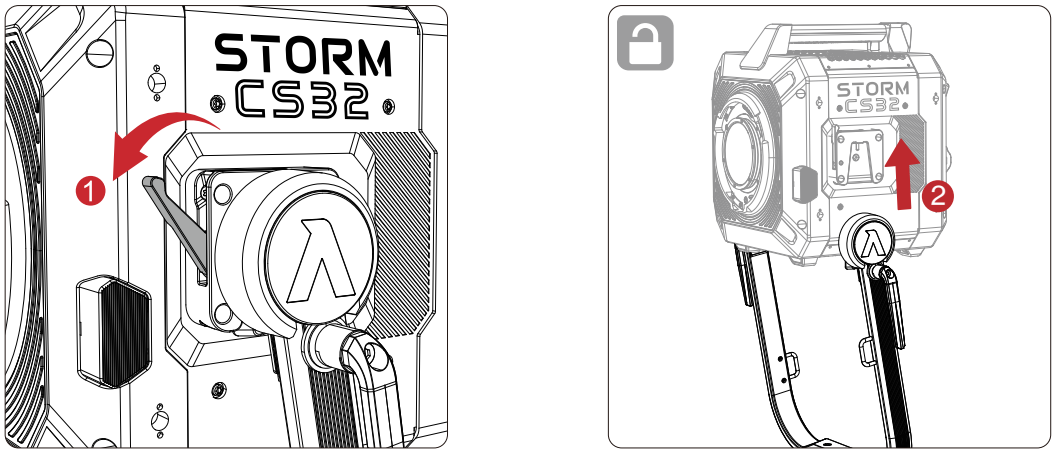
3.Attaching/Detaching the Yoke

Insert the lamp yoke Junior Pin into a 1.125 inch / 28 mm Junior Pin receiver. Lift the lamp head, align it with the quick-release mechanism and lower the lamp head vertically to complete the installation.



Attaching the Yoke

While holding the Carrying Handle of the lamp, turn the Yoke Release Lever on both sides of the yoke until they unlock. Lift the lamp head upwards to remove it from the yoke.



Detaching the Yoke

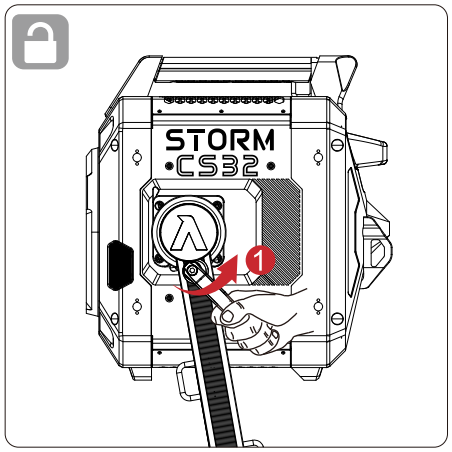
Notes:1.After installation, verify that the quick release handle is fully locked. If the red warning indicator on the quick-release handle remains visible after assembly, the fixture is not fully locked; reinstall it.

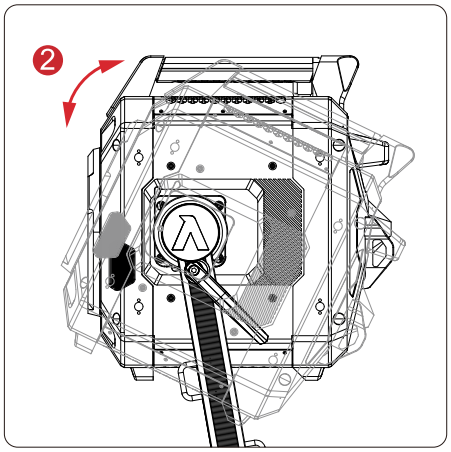
2.If you accidentally unlock the quick-release handle during operation, re-seat the fixture by lifting it up. Alternatively, rotate the fixture to align the LED panel of the lamp head with the base of the yoke. You will hear a click, and the quick-release handle will reset automatically.

3.For installation and removal, operate with the lamp head perpendicular to the yoke. This makes mounting and dismounting easier.

4. Setting Up the Lamp Head

Loosen or tighten the disc brake handle on the yoke to adjust the fixture's angle of tilt.



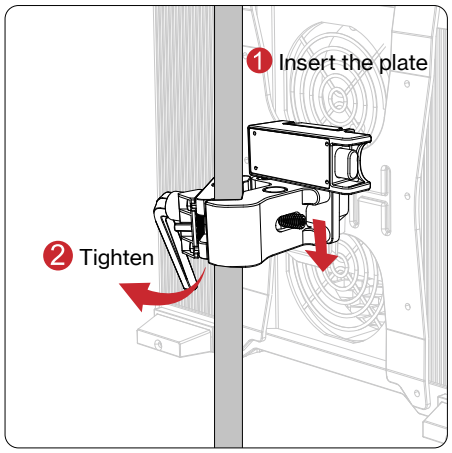


5. Using the Aputure Ultra Clamp

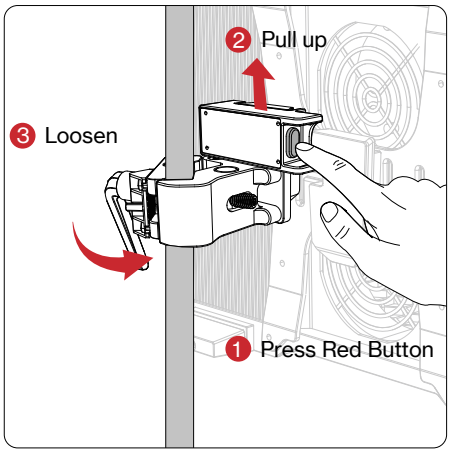
1. Turn the L-shaped handle clockwise to secure the clamp onto the center column of a light stand or a stable structural component.

2. Align the mounting plate of the control box with the V-shaped slot of the clamp, then insert it vertically into the slot. The red side button on the clamp will spring back into place to indicate successful installation.

3. Press the red button of the clamp all the way down, slide the control box vertically upward to remove it; turn the L-shaped handle counterclockwise to disassemble the clamp.



Mounting

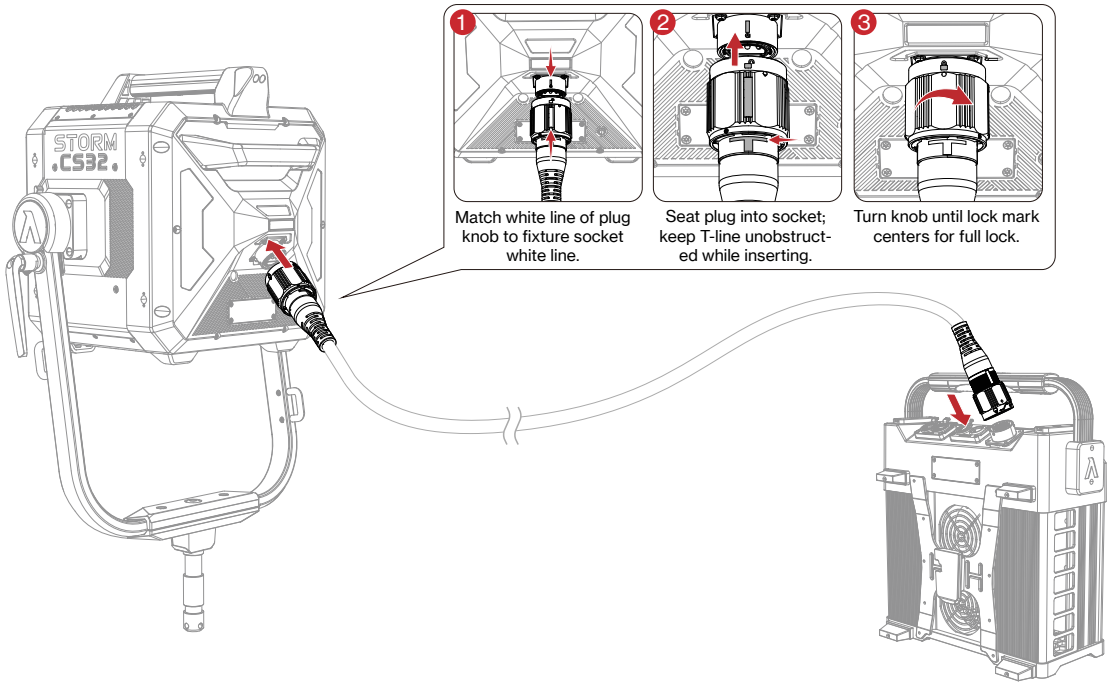


Detaching

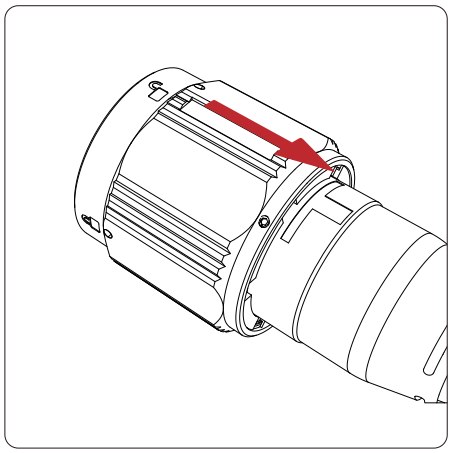
Clamp specification	Weight:920g
	Dimension:183x110x83mm
Clamp range (Section)	Square Tube: 20x20mm to 40x40mm
	Round Tube: Dia. 3/8"(9.53mm) to Dia. 2.25"(57.15mm)

6. Connecting the Lamp Head to the Control Box

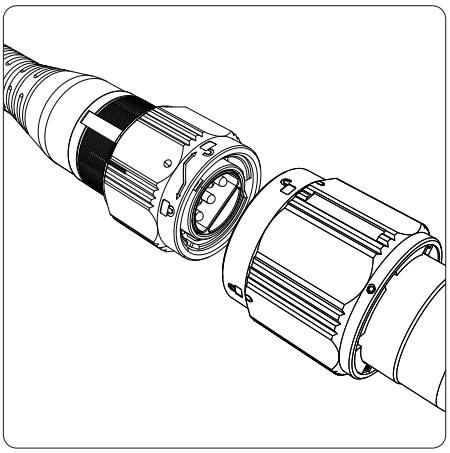
Connect the Lamp Head to the Control Box using the 7.5m Extended Head Cable.



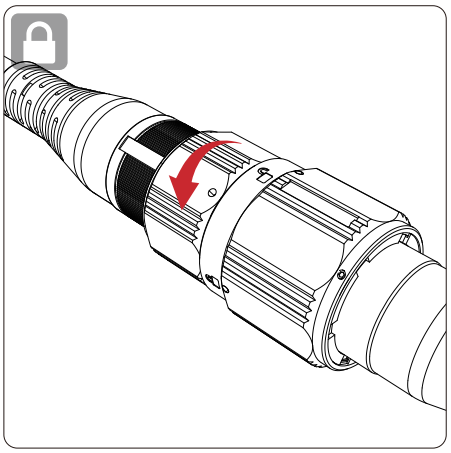
Notes:The lamp head cable for the STORM CS32 supports extension, lamp head cables can be connected together to extend the length, with a maximum usable extended length of 45 meters.



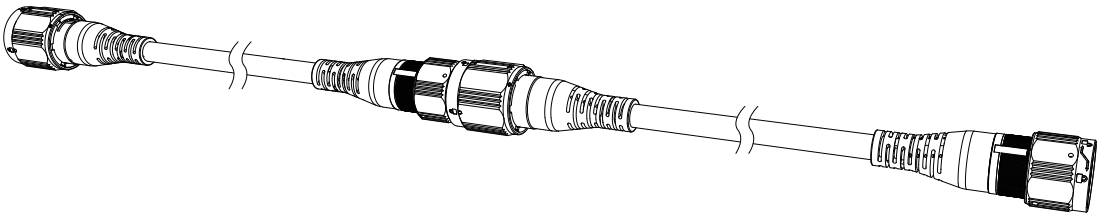
1.Pull back the housing of the female connector.



2. Align and mate the male and female connectors.



3. Rotate the male connector housing. A click sound confirms successful connection.

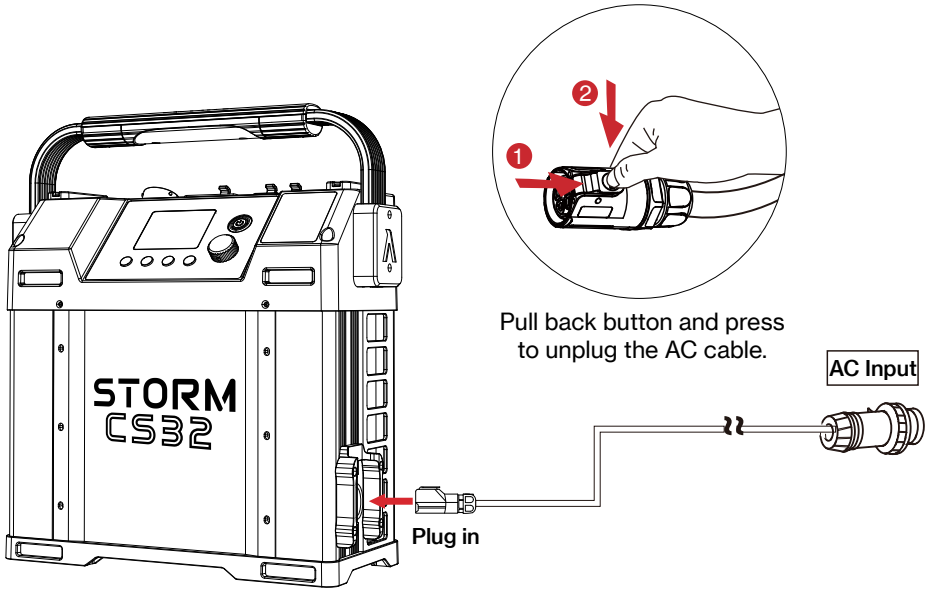


Completed Connection Overview

7. Powering Up the Control Box

CS32 supports a full voltage range operation from 100V to 240V.

When operating with 100V–240VAC power, the maximum power consumption is 3200W.

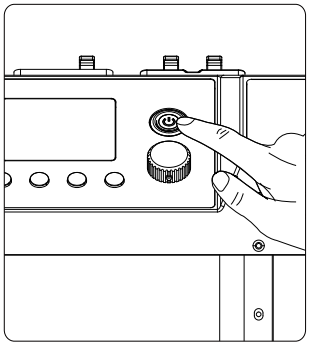


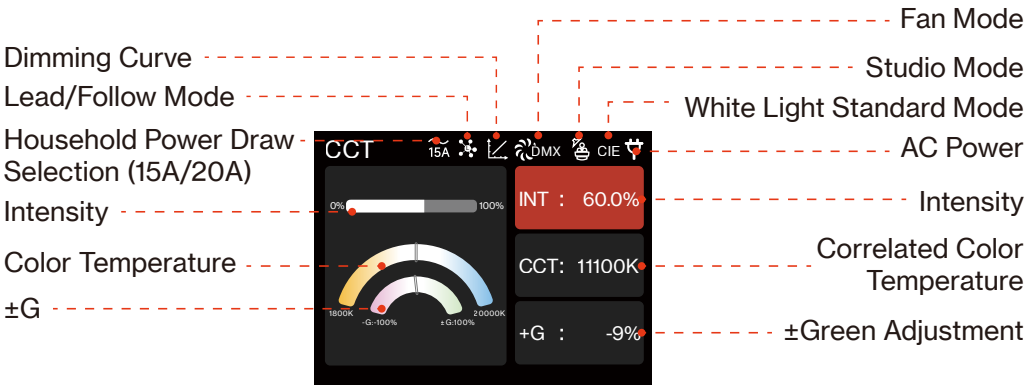
Important Notice: Before use, please ensure that the power supply system can support the maximum power consumption of the CS32. If the available power from the supply is insufficient or if the AC voltage is out of specification, the CS32' s power protection circuitry may activate, causing the fixture to shut down or operate abnormally.

Operating Instructions

1. Powering On/Off

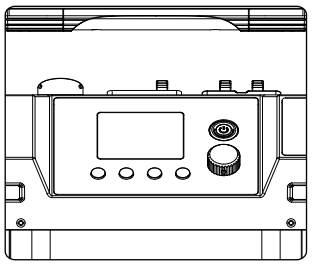
Connect the power supply and press the Power Button on the Control Box to turn on/off.





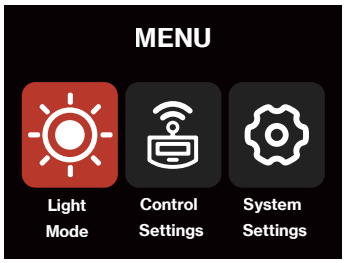
2. Manual Control of Control Box

Press the button on the Control Box to enter the corresponding modes: MENU, LIGHT MODE and PRESET.



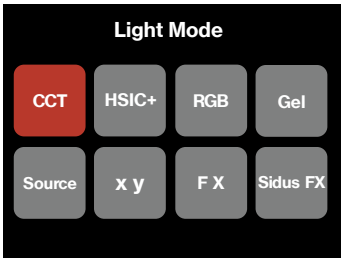
2.1 MENU

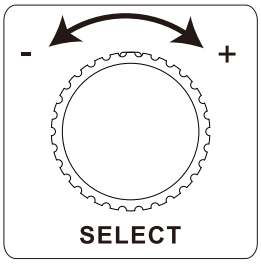
Press the MENU button to enter the System Menu interface. Choose between Light Mode ,Control Settings or System Settings.



2.2 Light Modes

Press the Light Mode Button to enter the Light Mode Menu. Choose between CCT, HSIC+, RGB, GEL, Source, x y, FX, and Sidus FX Modes.

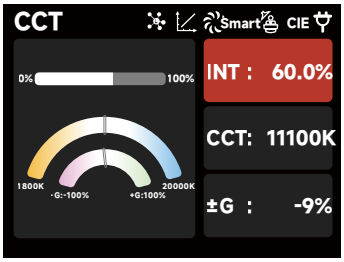




** Note: Light Modes can only be accessed when no DMX data is present. Please ensure that DMX data is not being listened to by the CS32 Control Box in order to use Light Modes.*

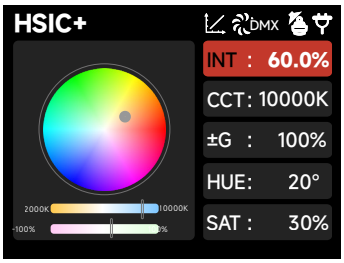
2.2.1 CCT

Adjust the Color Temperature (1800K-20000K) and the ± Green levels (-100% through +100%).



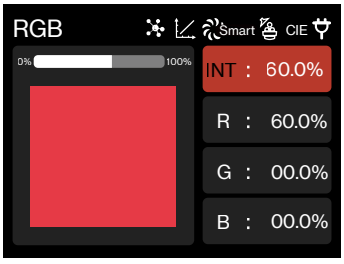
2.2.2 HSIC+

Adjust the Intensity (0-100%), Color Temperature (1800K-20000K), ±Green level (-100% through +100%), Hue and Saturation.



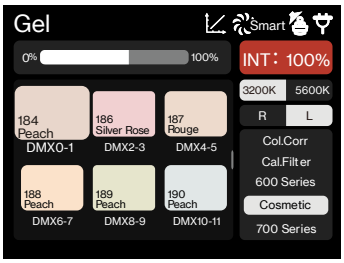
2.2.3 RGB

Set the values of Red, Green and Blue (0-100%) to achieve the desired color; then use the Master Intensity to raise and lower the overall brightness of the fixture without changing the colors individually.



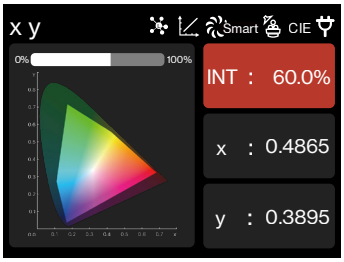
2.2.4 GEL

Choose a base Color Temperature of 3200K or 5600K color and the corresponding Rosco or LEE gel to output the desired light.



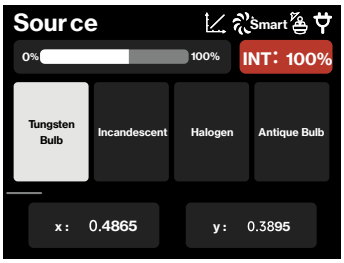
2.2.5 x y

Set the intensity and x and y coordinate values (0–0.8000).



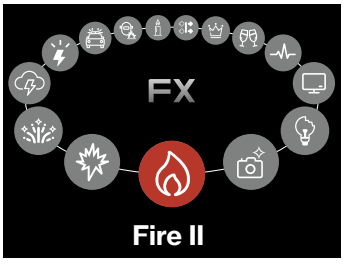
2.2.6 Source

Select the light source to mimic and fine tune the xy coordinates.



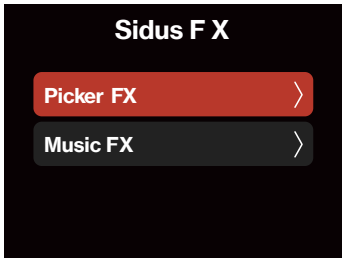
2.2.7 FX

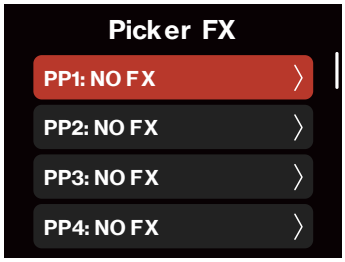
Select between FX modes: Fire II / Paparazzi / Faulty Bulb II / TV II / Pulsing II / Party Lights / Club Lights / Color Chase / Candle / Welding II / Cop Car II / Strobe II / Lightning II / Fire-works / Explosion II.



2.2.8 Sidus FX

Rotate the Select wheel to select "Sidus FX", then short-press the wheel to enter the custom lighting effects page. Rotate the Select wheel to pick either Capture FX or Rhythm FX. Up to 10 custom presets can be saved for each of the two effect types. A suffix of "NO FX" indicates an empty preset slot with no saved effect, while "Untitled" denotes a slot that already contains a saved lighting effect.

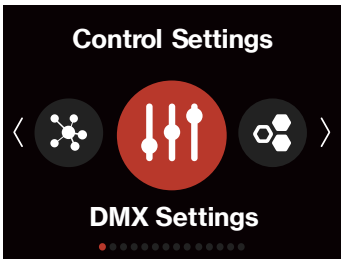




**Custom lighting effects can be downloaded by connecting the unit to the Sidus Link APP.*

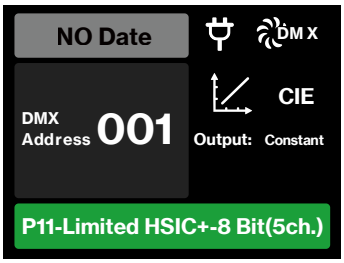
2.3 Control Settings

Choose between: DMX Settings, CRMX Settings, Sidus BT Settings and Lead/Follow Mode.



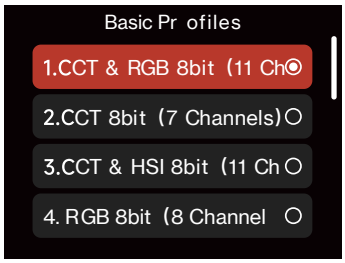
2.3.1 DMX Settings

(1) DMX Status Screen: Displays DMX data **status**, the DMX address, the DMX Profile being used, the CRMX Signal Strength, Fan Mode, Dimming Curve, White Light Standard, Studio Mode in use, **Output Mode**, Power Status and more.



(2) DMX Address: Set the DMX address of this fixture.

(3) DMX Profile: Choose which DMX Profile to use. Refer to the DMX Chart for the specifics of each profile.



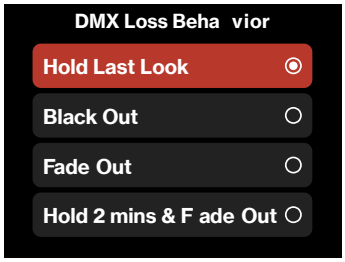
(4) DMX Loss Behavior--Choose from the following options:

I. Hold Last Look: when DMX signal is lost, DMX values will be retained until signal is re-gained.

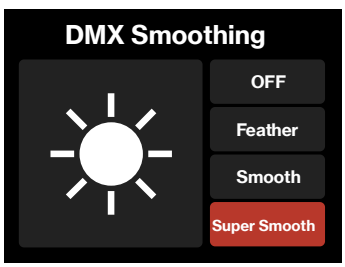
II. Black Out: when DMX signal is lost, the light will black out.

III. Fade to Black: when DMX signal is lost, the light will wait for 60 seconds before fading to black.

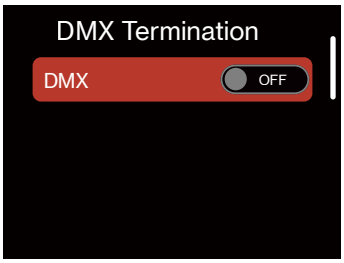
IV. Hold 2 min. & Fade Out: when DMX signal is lost, the DMX values are retained for two minutes before fading out over a time of 60 seconds.



(5) DMX Smoothing: Set the smoothness of DMX dimming.

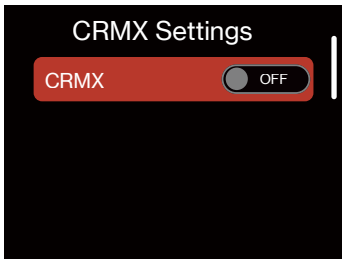


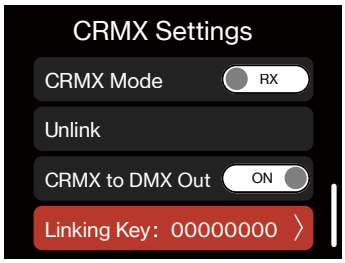
(6) DMX Termination: Turn ON (to help with DMX signal reflection) or OFF.



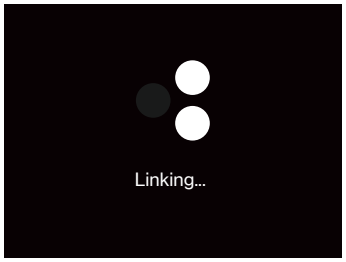
2.3.2 CRMX Settings

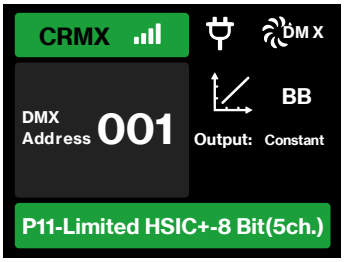
From the Control Settings menu, rotate the Select wheel to highlight CRMX and short-press to enter its submenu. Toggle CRMX ON or OFF by rotating and pressing the Select wheel.



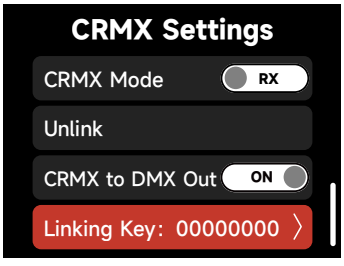


(1) After enabling CRMX, if a CRMX transmitter within connection range initiates linking, the fixture will automatically switch to the linking screen regardless of the current control menu. Once linking is completed, the interface will jump to the DMX status page, where you may view or configure DMX parameters.

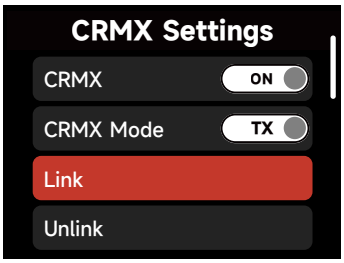




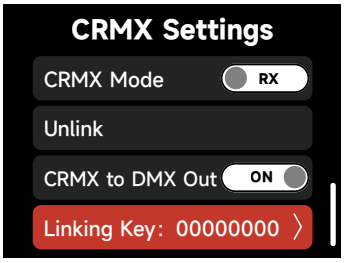
(2) When CRMX Mode is set to RX Mode, CRMX-to-DMX512 output can be enabled.



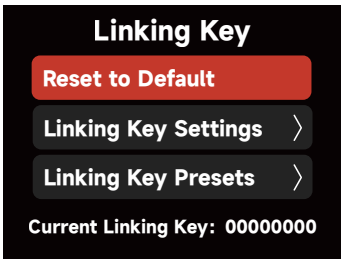
(3)When CRMX Mode is set to TX Mode, you may connect or disconnect other receivers.



(4)Rotate the select wheel to select "Linking Key", then short-press to enter its setting page.

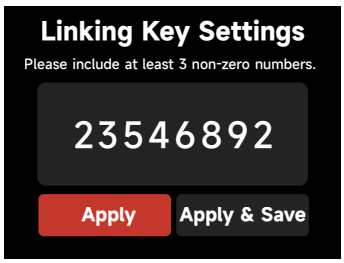


a. Select Restore Defaults to reset the linking key value to its initial setting (00000000).

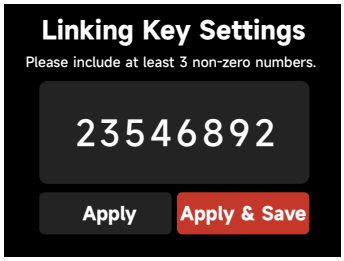


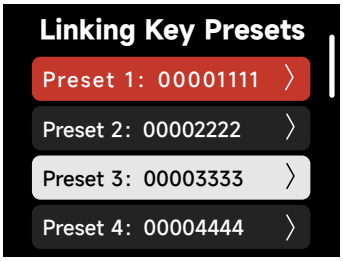
b.Select Linking Key Settings to enter the configuration page. Short-press the select wheel to activate digit editing (the current digit will be highlighted). Rotate the select wheel to choose any digit position, then short-press to start editing (the digit turns bold; available range: 0–9). Short-press the select wheel again to exit editing for the current digit. Short-press the Back button to quit the linking key configuration. (Requirement: At least three digits must be non-zero.)

c. Rotate the select wheel to select Apply and short-press. The linking key configuration takes effect, the page closes, and the system returns to the Linking Key menu.

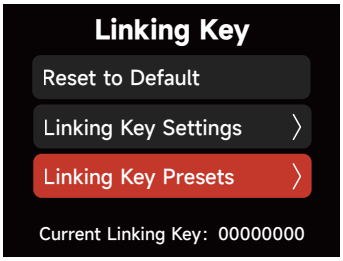


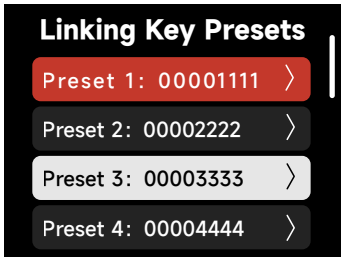
d.Rotate the select wheel to select Apply & Save and short-press to open the Linking Key Presets page. You may save the current key to any preset slot (total of 10 slots available)

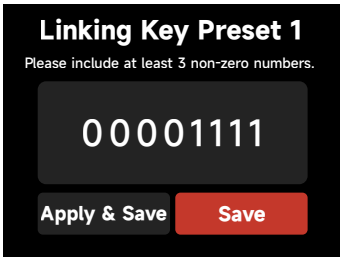




e.Rotate the select wheel to select Linking Key Presets and short-press to enter the preset interface. Select any saved linking key and short-press to open its preset submenu. Within this submenu, you may reconfigure the key value, save the preset, or apply and save settings. Short-press the select wheel to return to the Linking Key Presets interface.

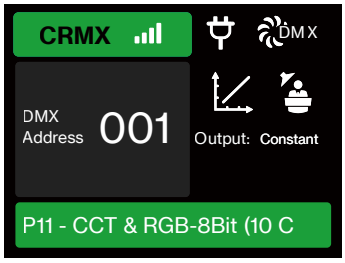






(5) When the lamp is connected to the CRMX transmitter, the lamp will display the connection status and signal strength of the CRMX in the DMX status bar

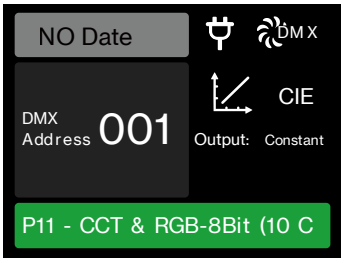
a. Signal strength: Indicates the connection stability between CRMX and the transmitter. When the signal strength is too low, please adjust the position relationship between the CRMX transmitter and the control box to enhance stability.



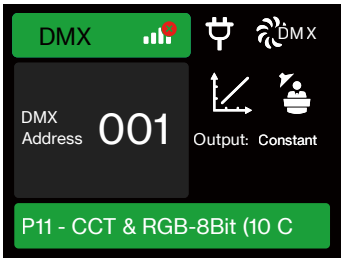
Signal Strength

b.Normal Status: linking and data are normal

c. The Control Box CRMX RX is out of range of its TX. Check that the TX is powered On and within range.

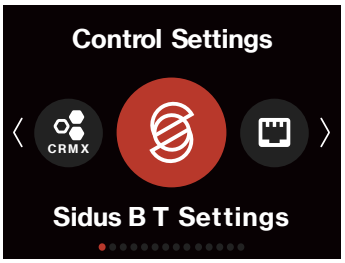


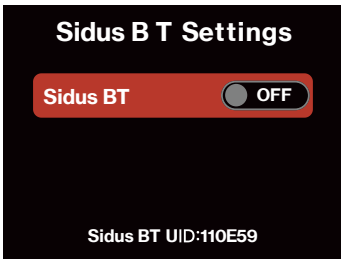
d. No connection: Previously, the CRMX transmitter was connected, but the current transmitter is out of range or is in a powered-off state.



2.3.3 Sidus BT Settings

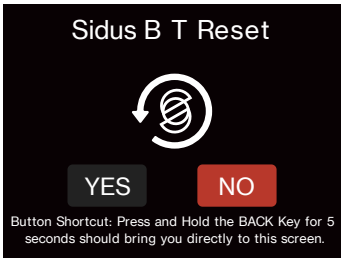
(1) Within the Control Settings menu, rotate the select wheel to select Bluetooth Settings and short-press to enter the Bluetooth submenu. You may turn Bluetooth ON/OFF or perform a Bluetooth reset. The Bluetooth serial number is displayed below to help quickly locate the fixture for pairing.

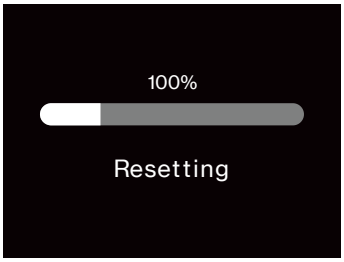


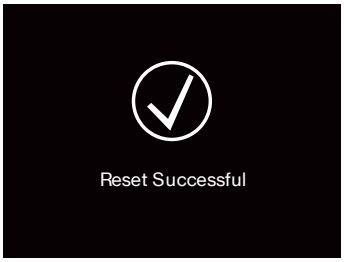


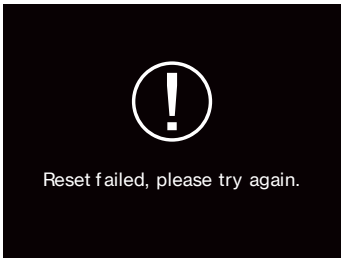
(2) After a successful Bluetooth reset, you can pair and connect to the fixture via the Sidus Link APP. Once connected, you can control the fixture accordingly.

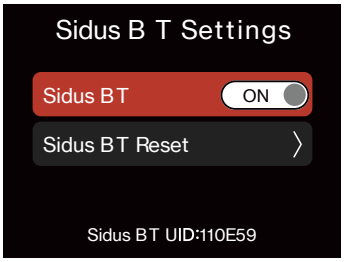
If the Bluetooth reset fails, a Reset Failed popup will appear. The popup will automatically close after 2 seconds and return to the Bluetooth settings screen.





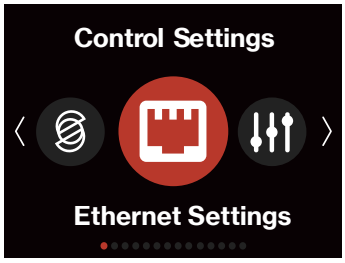


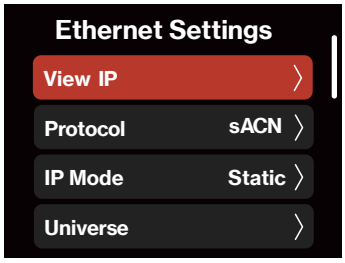


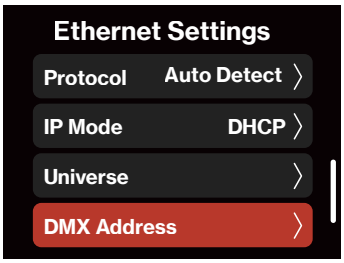


2.3.4 Ethernet Settings

View and edit Ethernet Settings.

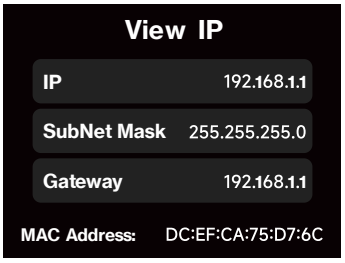






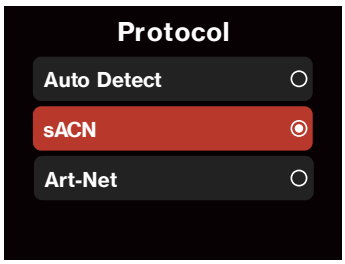
2.3.4.1 View IP

View the IP Address, Subnet Mask, Gateway IP and the MAC Address of the Control Box.



2.3.4.2 Protocol

Select the Control Protocol for this Control Box to listen to. Choose between Auto, Art-Net, or sACN.



(a) Automatic: identifies the Control Protocol automatically.

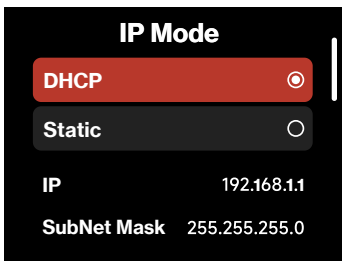
(b) Art-Net: recognizes the Art-Net Protocol only and ignores sACN.

(c) sACN: recognizes the sACN Protocol only and ignores Art-Net.

2.3.4.3 IP Mode

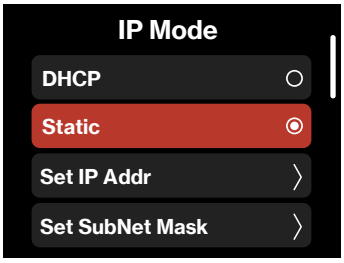
(1) IP Mode DHCP:

The fixture will automatically receive an IP address from the DHCP server. When in DHCP IP Mode, the IP Address, Subnet Mask and Gateway IP Address cannot be edited.



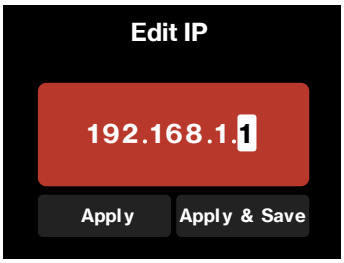
(2) IP Mode Static:

Manually set the IP address, Subnet Mask and the Gateway IP address.

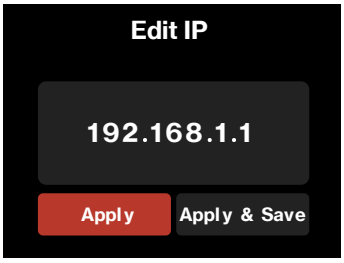


a.IP Address Settings: Options include Edit IP and IP Presets

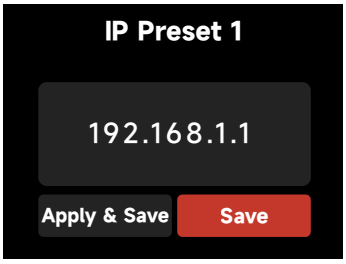
1. Short-press the select wheel to select Edit IP and enter the editing page. Short-press the select wheel to activate digit selection (the current digit will be highlighted). Rotate the select wheel to choose any digit position, then short-press to start editing (the digit turns bold; valid range: 0–255). Short-press the select wheel again to exit editing for the current digit. Short-press the Back button to quit IP address configuration.



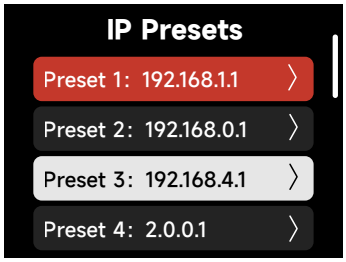
2. Rotate the select wheel to select Apply and short-press. The IP address configuration takes effect, exits the Edit IP page, and returns to the IP Address Settings menu.



3. Rotate the select wheel to select Apply & Save and short-press to open the IP Presets page. You may save the current IP to any preset slot (total of 10 slots available).

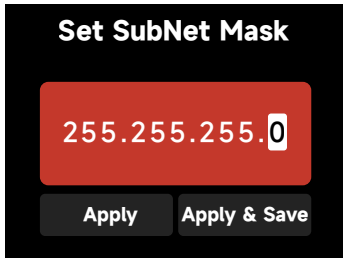


4. Rotate the select wheel to select IP Presets and short-press to enter the IP Presets interface. Select any saved IP address and short-press to open its preset submenu. Within this submenu, you may reconfigure the IP address, save the preset, or apply and save settings. Short-press the select wheel to return to the IP Presets interface.



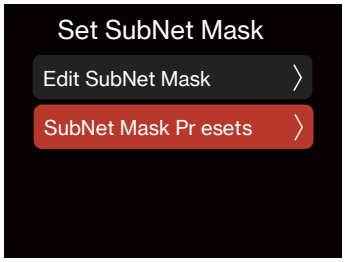
b. Set SubNet Mask

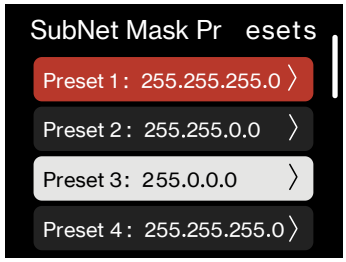
Using the Select Wheel,edit the SubNet Mask information for the Control Box.Use the BACK Button to exit the editing interface.Choose whether to "Apply"the IP or "Apply & Save" the IP to a Preset for use in the future.

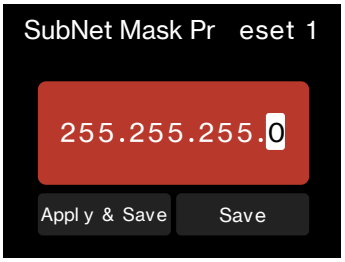


In the Presets interface,select a Preset to edit or apply.

Presets can be edited and saved without applying them to the Control Box's current IP settings by choosing the "Save"option.(save 10 IP Presets in total)

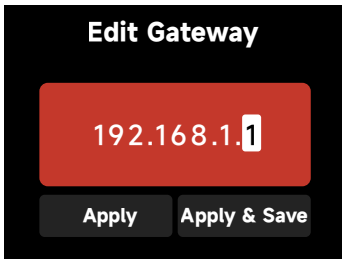


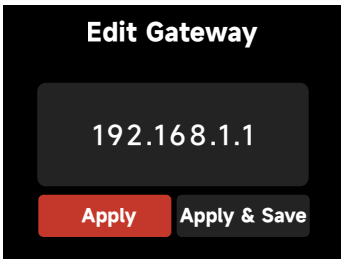




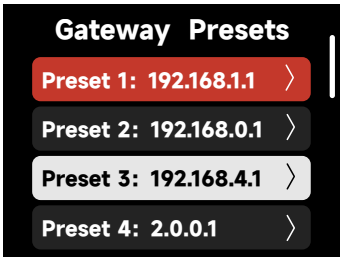
c. Set Gateway IP

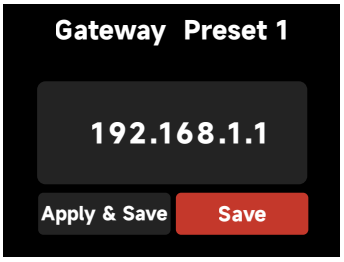
Using the Select Wheel,edit the Gateway IP information for the Control Box.Use the BACK Button to exit the editing interface.Choose whether to "Apply" the IP or "Apply & Save" the IP to a Preset for use in the future.





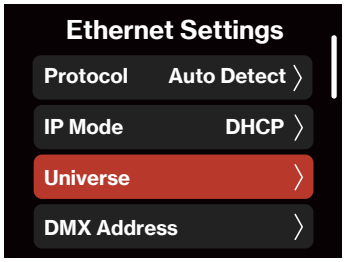
Presets can be edited and saved without applying them to the Control Box's current IP settings.

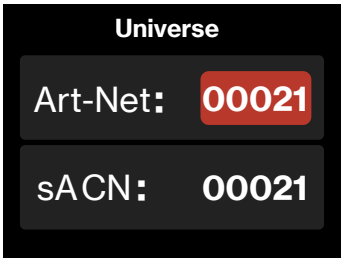


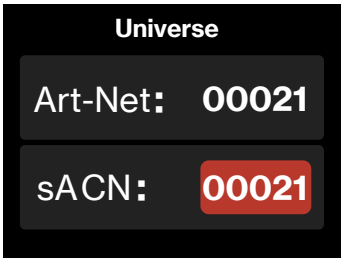


2.3.4.4 Universe

Set the Universe of Art-Net and sACN:Art-Net(00000-32767),sACN(00001-63999).







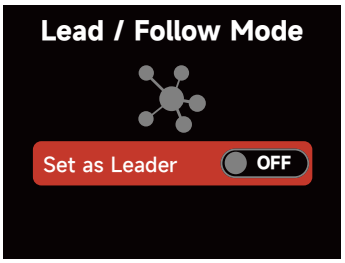
2.3.4.5 DMX Address

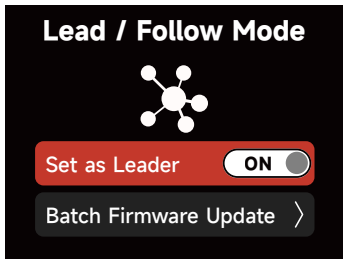
Set the DMX Address

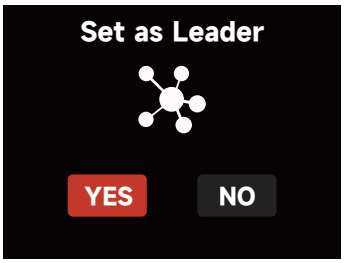
2.3.5 Lead/Follow Mode

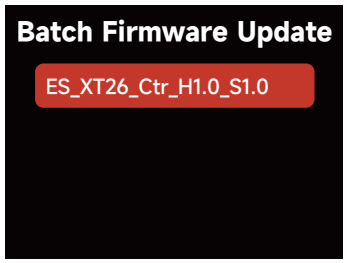
In this interface,set fixtures as either the Leader or the Follower (Leader/"OFF") The Leader automatically sends its settings to the Follower fixtures for synchronization.

Batch upgrades of the firmware from a USB drive in the Leader's port is also possible;the Leader Fixture should be connected with the Follow Fixtures via DMX to enable batch upgrades.



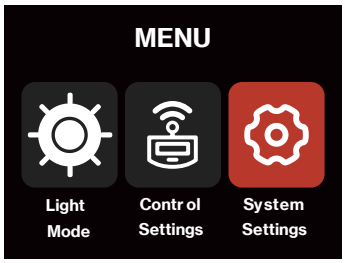


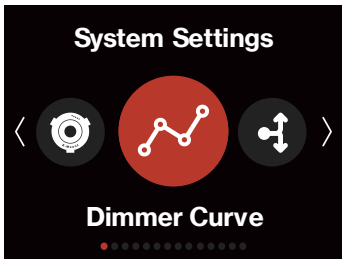




2.4 System Settings

System Settings include:Accessory,Dimming Curve,Power and Ouput,White Light Standard,-Fan Mode,Studio Mode,Screensaver Settings,Language,Product Info,Firmware Update,and Factory Reset options.

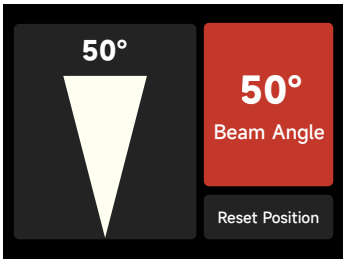


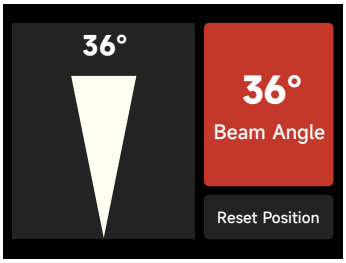


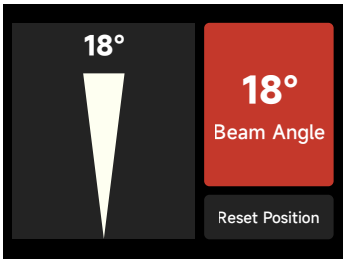
2.4.1 Accessory

Press the MENU button to enter the menu, rotate the select wheel and press briefly to enter "Accessory." In the Accessory menu, you can set the motorized Fresnel and view the optical accessory information.

(1) Motorized Fresnel: When the fixture is equipped with the Motorized CF16 Fresnel, you can enter this interface to manually adjust the beam angle.





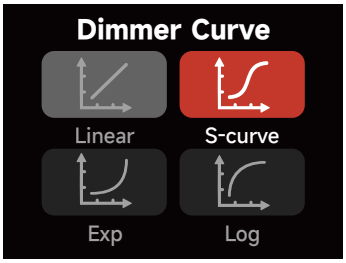


(2) Optical Accessories: When utilizing an Optical Aputure-Mount Accessory, the type of accessory can be viewed in the "Optical Accessories" window. The following accessories are available: Narrow-angle reflector, Medium-angle reflector, Wide-angle reflector, Barn Door adapter, AM Light Dome 150, AM Lantern 120 and AM Lantern 180.

** Except for the Medium-angle reflector included in the package, other accessories need to be purchased separately.*

2.4.2 Dimming Curve

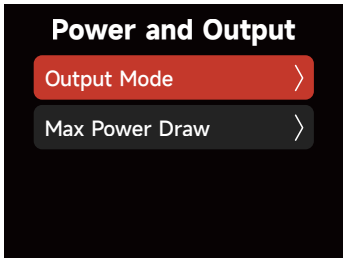
The following Dimming Curves are available:Linear,Logarithmic,S-Curve and Exponential.

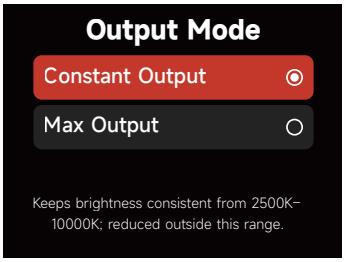


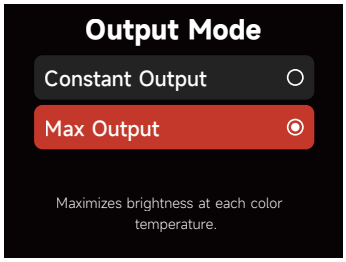
2.4.3 Power and Output

1. Output Mode: Constant Output:The lamp's brightness is kept consistent throughout the color temperature range.

Max Output: The lamp's brightness is prioritized throughout the color temperature range.







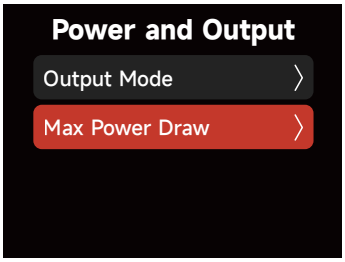
2. Max Power Draw:

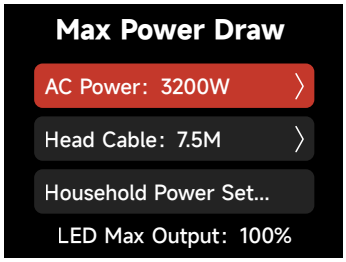
Set the fixture's maximum AC power draw and choose the length of the lamp head cable. The fixture will automatically limit the maximum LED power output to ensure the stability of the power supply system.

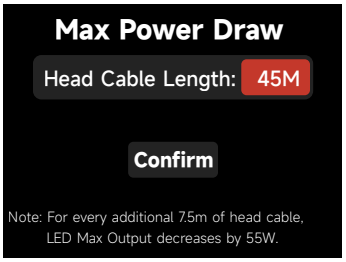
Example: The fixture is equipped with a standard 7.5 m lamp head cable, daisy-chained with two 15 m extension cables. The tota lamp head cable length under this setup is 37.5 m. Users need to set the value to 37.5 m in the "Head Cable Length" setting menu. Two abnormal scenarios will occur if the cable length is set incorrectly:

1.Set value < 37.5 m: Cable power loss will make the fixture output exceed its rated power, and the control box will pop up an error warning. In this case, disconnect the lamp head cable, input the correct total cable length, then power cycle the unit for a restart.

Set value > 37.5 m: The fixture can work normally, but the output brightness will decrease slightly. Users may directly reset the lamp head cable length to the correct value.

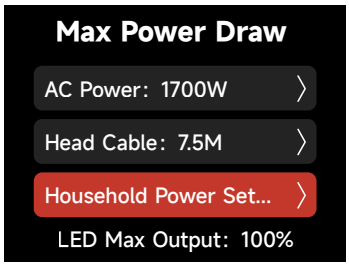


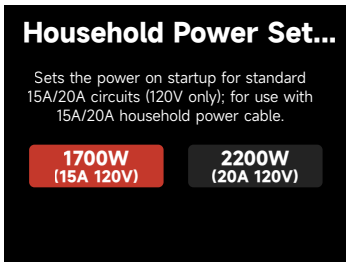


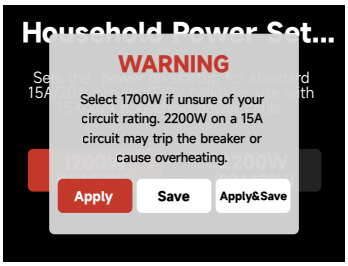


3. Household Power Settings:

When powering the fixture through indoor sockets via the Aputure-supplied AC power cable with a NEMA 5-20P plug, you can set the fixture’ s default maximum input power limit within this menu. Two options are available: 1700W (15A, 120V) and 2200W (20A, 120V). If you are unsure of the indoor power supply capacity, it is recommended to select 1700W (15A, 120V) first to prevent circuit breaker tripping or overheating of wiring.







Button Function Descriptions for Warning Pop-up Windows:

Apply

The selected power takes effect instantly, and the AC power ceiling under Max Power Draw will adjust to the corresponding value. This action will not change the startup power for the next power cycle; the fixture will boot up with the previously saved power setting upon the next power cycle.

Save

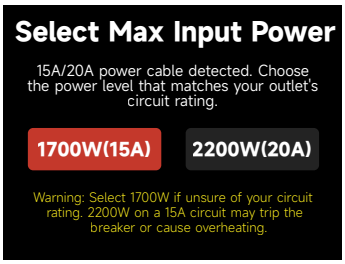
Save the current power value as the default startup power for every power cycle, without modifying the AC power limit for the current running session.

Apply & Save

The selected power takes effect instantly, the AC power ceiling under Max Power Draw will adjust to the corresponding value, and this power value will be saved as the default startup power for all subsequent power cycles.

4. Select Max Input Power Pop-up:

When powering the fixture through indoor sockets via the Aputure-supplied AC power cable with a NEMA 5-20P plug, a pop-up window will appear on the control box UI at each power cycle, prompting you to select a power rating. Please choose carefully based on your actual indoor power supply conditions.This selected power rating only applies to the current power cycle and will not alter the fixture’ s default maximum input power limit.For example: If the default maximum power is set to 1700W and you select 2200W in the pop-up after a re-start, the fixture’ s power cap will temporarily be 2200W for this time. Once the plug is dis-connected and the fixture is powered on again, the limit will revert to the default 1700W.

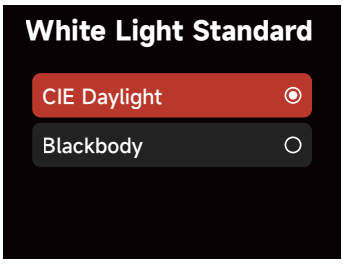


**(3) and (4) apply solely to AC 100–120 V low-voltage areas with indoor receptacles compatible with NEMA 5-20P plug. you can also make these settings via Sidus Bluetooth/Auto-Patching/NFC/DMX*

2.4.4 White Light Standard

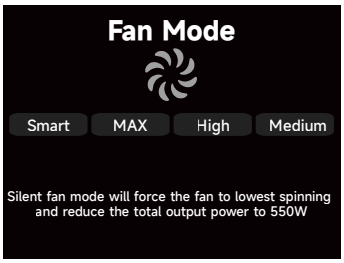
1. CIE Daylight:meets the sunlight standard (2500K-10000K,Duv is controlled at 0.0020~0.0040);

2. Blackbody: meets the blackbody luminescence standard (Duv is controlled near the blackbody trajectory line)



2.4.5 Fan Mode

In the System Settings Fan Mode,rotate the Select Wheel and press to choose among Smart,Max,High,Medium, Low,Delayed and Silent mode.



(1) Smart: Can operate in environments from -20°C/-4ºF to 45°C/113ºF. The fixture automatically adjusts fan speed based on ambient temperature. In Smart mode, the fixture always runs at the lowest possible noise level for the current temperature. Smart mode can also spin the fan at the highest possible speed, based on cooling needs.

(2) Max.: The fan spins at the maximum capable speed of the fixture at all times. The fixture runs at a constant fan speed, ensuring maximum cooling at all times.

(3) High: Can operate in environments from -20°C/-4ºF to 45°C/113ºF. The fixture runs at a constant fan speed, ensuring optimal cooling at all times, and is able to handle temperatures higher than the Medium fan speed mode.

(4) Medium: Can operate in environments from -20°C/-4ºF to 35°C/95ºF. The fixture operates at a constant fan speed. In Medium mode, the fixture balances noise and working enviro

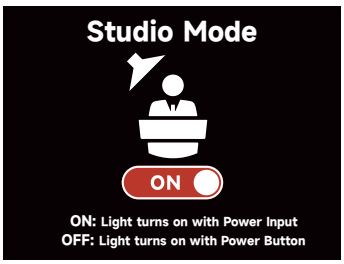
(5) Low: Can operate in environments from -20°C/-4ºF to 35°C/95ºF at 75% of the maximum output of the fixture. The fixture operates at a constant fan speed. In Low mode, the fixture optimizes for noise at the cost of maximum output.

(6) Delayed: Fan activation is delayed until the COB ntc reaches 75°C/167ºF.

(7) Silent: Can operate in environments from -20°C/-4ºF to 45°C/113ºF. Maximum fixture output is limited to 550W. In Silent mode, the fixture fans are running at the lowerest speed. nment.

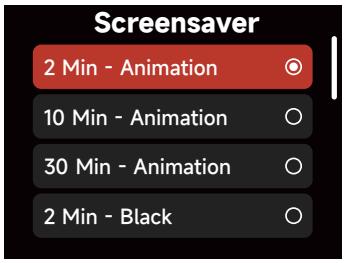
2.4.6 Studio Mode

When Studio Mode is enabled (ON),the fixture will power on when connected to live power. When Studio Mode is disabled (OFF),press the power button to power on or power off the fixture.



2.4.7 Screensaver

Select the Screensaver time and display behavior.

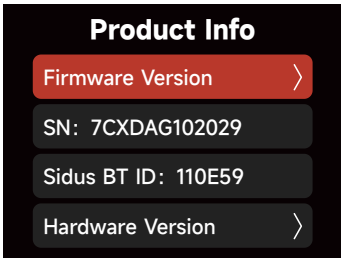


2.4.8 Language

Select between English or Chinese and press the Select Wheel to confirm.

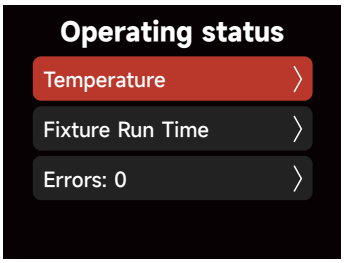
2.4.9 Product Information

(1) The Firmware Version,SN,Sidus BT ID,Hardware Version and Operating status,can all be checked in the Product Info interface.

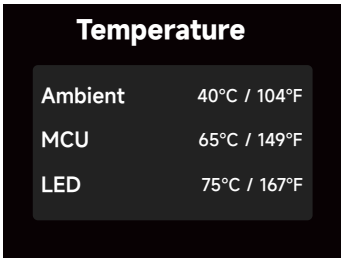


(2) Hardware Version:display the hardware versions of the Control Box and attached Lamp Head.

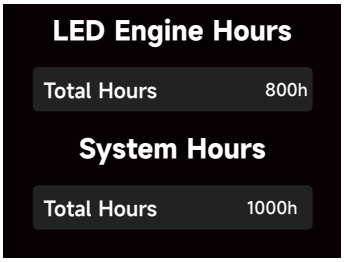
(3) Operating Status:display the Temperature,Lamp Head Run Time,and any Error Codes.



a. Temperature:Display the Ambient temperature,MCU temperature,and LED temperature.



b. Fixture Run Time:Display the LED engine use time.

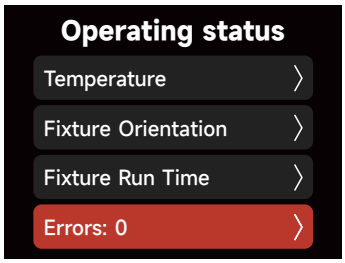


c. Errors: If the lamp is operating as expected,then the display will read:“Errors:O” Errors are divided into two categories:

i.Serious error:When a serious error occurs,the fixture cannot be used and will be locked for protection.Please respond to the error according to the fault prompt.

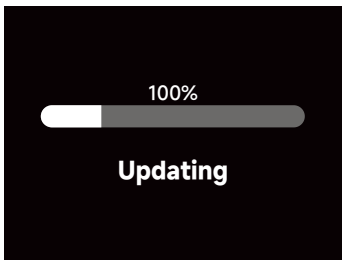
ii.General error:When a general error occurs,the fixture is still available for use;

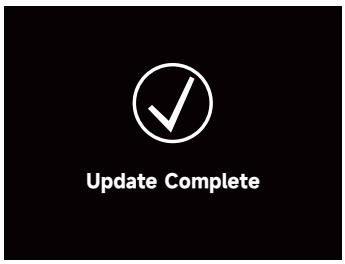
enter the Product Info interface to view the error details.



2.4.10 Firmware Update

Upgrade the firmware by inserting a USB flash drive with the latest firmware on its root drive into the USB-A port of the Control Box.The current firmware version is also listed in this interface.NOTE:The fixture can also be updated via Sidus Link with Sidus BT turned ON and a Wi-Fi internet connection on your Sidus Link/SidusLink Pro device.Remember to update both the Control Box and the connected Lamp Head with any new firmware.

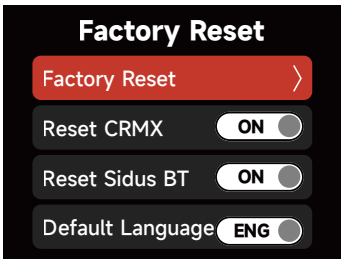


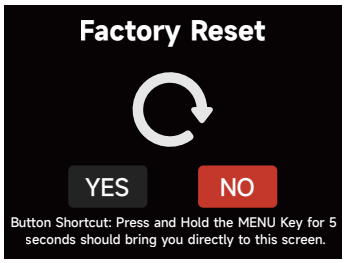


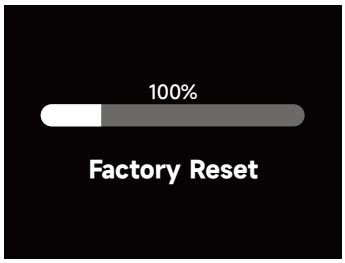
2.4.11 Factory Reset

In the Factory Reset Menu,select "YES" if you wish to Factory Reset the fixture; select "NO" to cancel.

Choose whether to reset CRMX and Sidus BT and the desired Default Language.







**NOTE:Hold the MENU Button for 5 seconds for a Factory Reset shortcut to appear.*

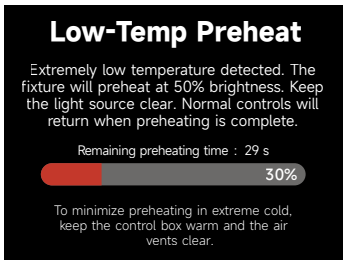
The factory settings are:

Light Mode	CCT;Color Temperature 3200K
Intensity	0%
Output Mode	Maximum Output
Lead/Follow Mode	Off
Screensaver	30 Minutes
White Light Standard	CIE Daylight
Fan Mode	Smart
Dimming Curve	Linear
Studio Mode	On
FX Mode	Fireworks,Brightness 0%,Color Temperature 3200K,frequency 5
DMX	Channel 001,Hold Last Look,DMX Termination:Off, DMX Smoothing:Smooth
Light Mode	SACN IPAddress:192.168.2.16 SubNet Mask 255.255.255.0 Gateway IP:192.168.2.1, Universe:001

2.5 Low-Temperature Preheat Procedure

At low ambient temperatures, electronic components inside the controller and power adapter suffer degraded performance. To protect internal components and prevent failures caused by cold damage, an automatic low-temperature preheat procedure is integrated, enabling the CS32 to operate reliably under extreme cold conditions.

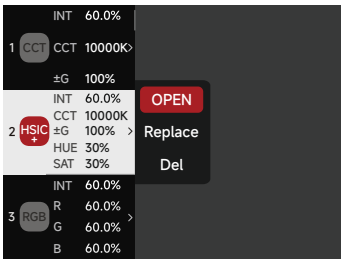
When the ambient temperature drops below -20° C/-4ºF, with the control box properly connected to the lamp head, the system will automatically trigger the preheating procudure upon power-on. The fixture lights up and runs preheating at 50% brightness (1600W) for a fixed duration of 10 minutes. All control functions become fully operable once preheating completes.



Note:If an emergency requires aborting preheating process, you may terminate the process by turn off the power switch, unplugging the mains power cable, or disconnecting the lamp head cable.

2.6 Presets

10 Light Mode Presets can be saved.Choose your settings within the CCT,xy or FX Mode. Then press the PRESET button to open the Preset interface.Select the Preset number to open,replace or delete the Preset.



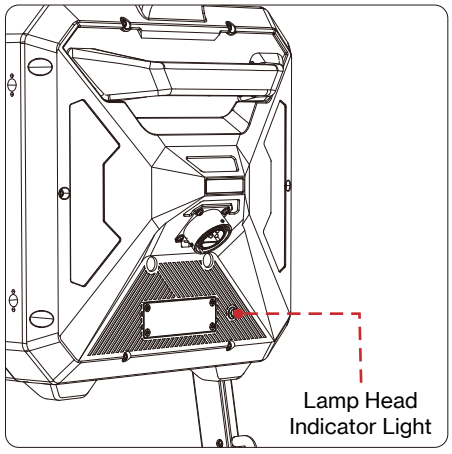
2.7 Status Indicator Icons

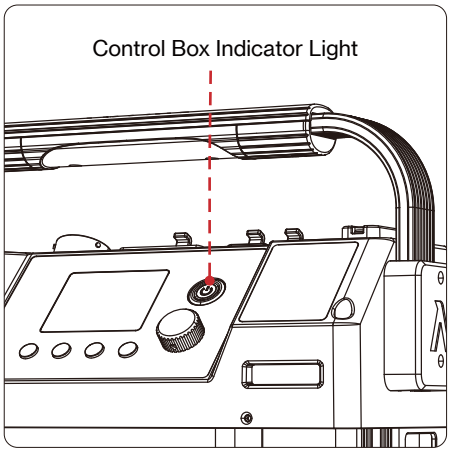
Lead/Follow Mode: Leader		**Sidus BT Enabled**	
Lead/Follow Mode: Follower		**Receiving CRMX data**	
Fan Mode: Smart		**CRMX connected, no DMX data**	
Fan Mode: Max		**Connected to CRMX, no transmitter found**	
Fan Mode: High		**Ethernet**	
Fan Mode: Medium		**AC Power Detected**	
Fan Mode: Low		**CIE Daylight**	
Fan Mode: Delayed		**Blackbody**	
Fan Mode: Silent		**Studio Mode: ON**	
Dimming Curve: Linear		**Studio Mode: OFF**	
Dimming Curve: S-Curve		**Head Cable Length**	
Dimming Curve: Exponential		**Household Power Setting: 15A**	
Dimming Curve: Logarithmic		**Household Power Setting: 20A**	

2.8 Status Indicators

The Storm CS32 adds status indication functions on the basis of fault codes, allowing users to observe and judge the working status of the luminaire from a distance.

Indicator Light	Status	Description
Control Box Indicator Light	Off	No power supply to the control box, or damaged power supply of the control box
	Solid Red	Power supply of the control box works normally, but the control unit malfunctions
	Solid Green	Both power supply and control unit of the control box operate normally
	Solid Orange	Power supply of the control box is normal, yet the control unit detects a product fault
Lamp Head Indicator Light	Off	No power supply to the lamp head, or damaged power supply of the lamp head
	Solid Red	Power supply of the lamp head works normally, but the lamp head control unit malfunctions
	Solid Green	Both power supply and control unit of the lamp head operate normally
	Solid Orange	Power supply of the lamp head is normal, yet the lamphead control unit detects a product fault



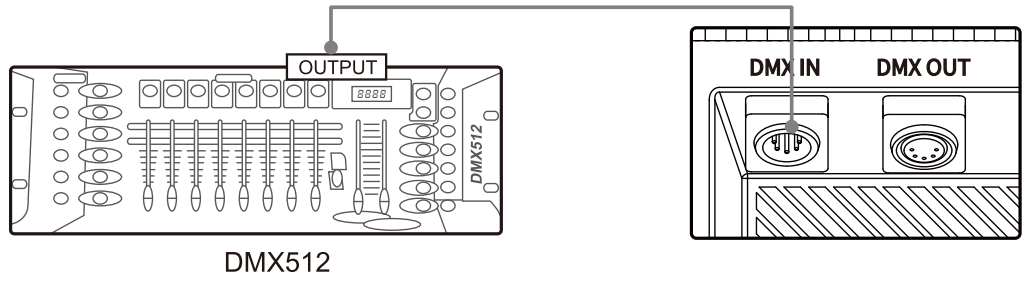


2.9 Shortcut Button

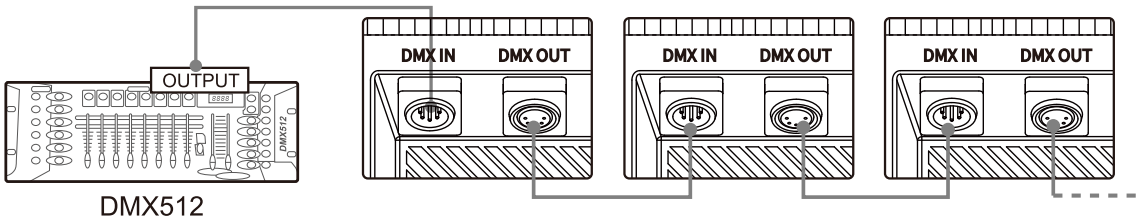
Operation	Description
Long press MENU for 5 seconds	Factory Reset
Long press BACK for 5 seconds	Sidus BT Rest
In the MENU interface, shortpress BACK	Returns the current control source

3.DMX Console Control

3.1 Connecting the Lighting Console to the STORM CS32 Control Box



DMX512



DMX512

3.2 Channel Selection

When the DMX channel number of the DMX console is consistent with that of the control box, you can adjust the brightness via the console. This method is applicable to both single-unit connection and multi-unit daisy-chain connection modes.

4. DMX Profile Control

STORM CS32 supports several DMX profiles.Please download the DMX Chart on the official website(https://aputure.com)to view detailed configurations.

5. Sidus Link Pro and Sidus Link

Download Sidus Link and Sidus Link Pro from the iOS App Store or the Google Play Store. Visit Aputure.com for more details on enhancing the Aputure experience with these Apps.

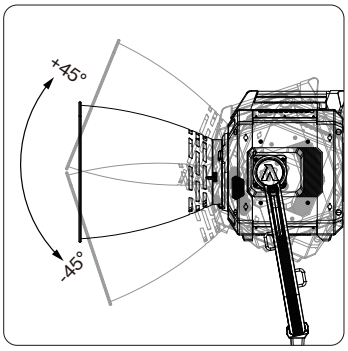
sidus Link & Sidus Link Pro

https://help.sidus.link/

Product Specifications

Max Power Consumption	3200W	**Max Power Output**	2600W
Operating Voltage (Full Output)	100~240 VAC	**AC Power Max Current**	32A/16A
CCT Range	1800K-20000K	**Cooling Method**	Air Cooling
CRI (Average)	97	**Operating Temperature**	-20℃ ~45℃
TLCI (Average)	98	**Storage Temperature**	-40℃ ~80℃
SSI（D32）	93	**Lamp Head Fan Noise Levels (at 1m)**	Smart/Max Mode: 52.6dBA
SSI（D56）	91		High Mode: 52.4dBA
TM30 Rf (Average)	96		Medium Mode: 40.2dBA
TM30 Rg (Average)	100		Low Mode: 31.3dBA
IP Rating	IP65		Silent Mode: 24.3dBA
Bluetooth Wireless Range	100m	**CRMX Wireless Range**	100m
Control Methods	On-board, Sidus Link Pro/Sidus Link App, DMX/RDM, CRMX & Art-Net/sACN		
Size	Lamp Head (without yoke)	37.2 x 38.3 x 35.8cm / 14.6 x 15.1 x 14.1in	
	Lamp Head (with yoke)	52.9 x 77.2 x 35.8cm / 20.8 x 30.4 x 14.1in	
	Control Box	34.5 x 16.0 x 37.6cm / 13.6 x 6.3 x 14.8in	
Weight	Lamp Head	16.80kg / 37.04 lbs	
	Control Box	10.80kg / 23.81 lbs	

**Damage to the Lamp Head or Control Box from moisture is not covered under the warranty. If the STORM CS32 is used in a heavy rain,it is recommended to use the tilt angle range of the lamp head as shown below:*



Photometrics

White Light Standard: Black Body (Unit:Lux)										
CCT	Distacne	Bare Bulb	Reflectors and Parallel Beam						CF16 Fresnel Lens	
			20° Ext	25°	30°	35°	50°	Parallel Beam 70	Spot 18°	Flood 50°
1800K	3M	7150	129400	65100	50200	38800	18700	31300	62000	11600
	5M	3000	51700	25700	17700	13000	7240	30300	25800	4430
	10M	750	12925	6425	4425	3250	1810	16460	6650	1253
	15M	333	5744	2856	1967	1444	804	7316	2867	492
	20M	188	3231	1606	1106	813	453	4115	1613	277
	30M	/	/	/	/	/	/	1829	/	/
	50M	/	/	/	/	/	/	165	/	/
2500K	3M	12400	221700	113000	87000	67300	33500	54500	109000	20200
	5M	5000	87000	44200	30000	22500	12300	51700	43600	7630
	10M	1250	21750	11050	7500	5625	3075	27330	10960	2123
	15M	556	9667	4911	3333	2500	1367	12147	4844	848
	20M	313	5438	2763	1875	1406	769	6833	2725	477
	30M	/	/	/	/	/	/	3037	/	/
	50M	/	/	/	/	/	/	273	/	/
2700K	3M	13700	245000	126000	96100	74500	37600	60300	121000	22400
	5M	5440	94700	48600	32700	24800	13500	56800	47500	8390
	10M	1360	23675	12150	8175	6200	3375	29840	11940	2335
	15M	604	10522	5400	3633	2756	1500	13262	5278	932
	20M	340	5919	3038	2044	1550	844	7460	2969	524
	30M	/	/	/	/	/	/	3316	/	/
	50M	/	/	/	/	/	/	298	/	/
3200K	3M	14800	261800	135000	103000	80400	40600	64600	130000	24000
	5M	5800	101000	52100	35000	26600	14500	60800	50900	9000
	10M	1450	25250	13025	8750	6650	3625	31800	12610	2487
	15M	644	11222	5789	3889	2956	1611	14133	5656	1000
	20M	363	6313	3256	2188	1663	906	7950	3181	563
	30M	/	/	/	/	/	/	3533	/	/
	50M	/	/	/	/	/	/	318	/	/
4300K	3M	15100	268700	140000	106000	83000	42100	66300	135000	24700
	5M	5900	105000	54000	36000	27500	14900	61900	52600	9290
	10M	1475	26250	13500	9000	6875	3725	32600	12980	2513
	15M	656	11667	6000	4000	3056	1656	14489	5844	1032
	20M	369	6563	3375	2250	1719	931	8150	3288	581
	30M	/	/	/	/	/	/	3622	/	/
	50M	/	/	/	/	/	/	326	/	/

White Light Standard: Black Body (Unit:Lux)

CCT	Distacne	Bare Bulb	Reflectors and Parallel Beam						CF16 Fresnel Lens	
			20° Ext	25°	30°	35°	50°	Parallel Beam 70	Spot 18°	Flood 50°
5600K	3M	15000	264200	138000	106000	82000	41700	65800	133000	24500
	5M	5850	104000	53400	35500	27100	14700	61500	52000	9220
	10M	1463	26000	13350	8875	6775	3675	32100	12760	2507
	15M	650	11556	5933	3944	3011	1633	14267	5778	1024
	20M	366	6500	3338	2219	1694	919	8025	3250	576
	30M	/	/	/	/	/	/	3567	/	/
	50M	/	/	/	/	/	/	321	/	/
6500K	3M	14700	259600	137000	104000	80700	41100	65000	132000	24200
	5M	5720	102000	52500	34800	26800	14500	60600	50900	9050
	10M	1430	25500	13125	8700	6700	3625	31500	12550	2467
	15M	636	11333	5833	3867	2978	1611	14000	5656	1006
	20M	358	6375	3281	2175	1675	906	7875	3181	566
	30M	/	/	/	/	/	/	3500	/	/
	50M	/	/	/	/	/	/	315	/	/
7500K	3M	14100	247400	131000	99200	77000	39200	62300	126000	23200
	5M	5510	97300	50200	33300	25600	13900	58100	48800	8670
	10M	1378	24325	12550	8325	6400	3475	30100	11950	2352
	15M	612	10811	5578	3700	2844	1544	13378	5422	963
	20M	344	6081	3138	2081	1600	869	7525	3050	542
	30M	/	/	/	/	/	/	3344	/	/
	50M	/	/	/	/	/	/	301	/	/
10000K	3M	13500	234700	124000	94400	73500	37400	59600	121000	22100
	5M	5270	92500	47700	31700	24300	13200	55700	46400	8280
	10M	1318	23125	11925	7925	6075	3300	28600	11330	2237
	15M	586	10278	5300	3522	2700	1467	12711	5156	920
	20M	329	5781	2981	1981	1519	825	7150	2900	518
	30M	/	/	/	/	/	/	3178	/	/
	50M	/	/	/	/	/	/	286	/	/
20000K	3M	10600	181600	96600	73300	57200	29100	46700	94000	17300
	5M	4140	71800	37000	24700	18900	10300	43800	36000	6480
	10M	1035	17950	9250	6175	4725	2575	22180	8760	1753
	15M	460	7978	4111	2744	2100	1144	4867	4000	720
	20M	259	4488	2313	1544	1181	644	5545	2250	405
	30M	/	/	/	/	/	/	2464	/	/
	50M	/	/	/	/	/	/	222	/	/

White Light Standard: Black Body (Unit:Lux)										
CCT	Distacne	Bare Bulb	Reflectors and Parallel Beam						CF16 Fresnel Lens	
			20° Ext	25°	30°	35°	50°	Parallel Beam 70	Spot 18°	Flood 50°
Red	3M	1503	28440	15890	11740	8970	4610	6530	14770	2540
	5M	571	10930	5090	3740	2617	1399	5880	5680	916
	10M	376	7110	3973	2935	2243	1153	1470	3693	635
	15M	63	1214	566	416	291	155	653	631	102
	20M	36	683	318	234	164	87	368	355	57
	30M	/	/	/	/	/	/	163	/	/
	50M	/	/	/	/	/	/	15	/	/
Green	3M	4290	71600	39600	29540	22850	11570	18700	38100	6970
	5M	1637	28080	13830	9650	7170	3880	16800	14140	2537
	10M	409	7020	3458	2413	1793	970	4200	3535	634
	15M	182	3120	1537	1072	797	431	1867	1571	282
	20M	102	1755	864	603	448	243	1050	884	159
	30M	/	/	/	/	/	/	467	/	/
	50M	/	/	/	/	/	/	42	/	/
Blue	3M	1045	16650	9220	6860	5320	2721	4510	9160	1743
	5M	394	6590	3390	2278	1758	957	4000	3380	653
	10M	99	1648	848	570	440	239	1000	845	163
	15M	44	732	377	253	195	106	444	376	73
	20M	25	412	212	142	110	60	250	211	41
	30M	/	/	/	/	/	/	111	/	/
	50M	/	/	/	/	/	/	10	/	/

*The brightness data is average data,and the brightness of different lamps may vary slightly.

Safety Instructions

When using this product, basic safety precautions should always be followed, including:

1. Read and understand all instructions before using the fixture.

2. Close supervision is necessary when any fixture is used by or near children. Do not leave the fixture unattended while in use.

3. Care must be taken as burns can occur from touching hot surfaces.

4. Do not operate the fixture if any cord is damaged, or if the fixture has been dropped or damaged, until it has been examined by qualified service personnel.

5. Position any power cables such that they will not be tripped over, pulled, or put into contact with hot surfaces.

6. If an extension cord is necessary, a cord with an amperage rating at least equal to that required by the fixture should be used. Cords rated for less amperage will overheat.

7. Always unplug the lighting fixture from the electrical outlet before cleaning and servicing, or when not in use. Never yank the cord to remove the plug from the outlet.

8. Let the lighting fixture cool completely before storing. Unplug the cables from the lighting fixture and store them in assigned spaces of the carrying case (if being used).

9. Do not immerse this fixture in water or any other liquid to avoid electric shock.

10. Do not disassemble the fixture to avoid the risk of fire or electric shock. Contact cs@aputure.com or take the lighting fixture to qualified service personnel when service or repair is required. Incorrect reassembly may cause electric shock when the lighting fixture is in use.

11. Using any accessory attachment not recommended by the manufacturer may increase the risk of fire, electric shock or injury to any persons operating the fixture.

12. Power this fixture by connecting it to a grounded outlet.

13. Remove the Protective Cover before use.

14. Do not block the ventilation openings or look at the LED light source directly when it is powered on. Do not touch the LED light source in any condition.

15. Do not place the product near combustible and volatile solvents to avoid product damage.

16. Use a soft and dry cloth to clean the device.

17. Ensure all the ports and plugs are completely dry when using the fixture in wet environments to avoid short circuit or electric shock.

18. Service and maintenance should only be carried out by authorized service personnel. Any
malfunctions caused by unauthorized disassembly are not covered by the warranty. The user may pay for service and maintenance.

19. When hanging the fixture overhead, always ensure an extra safety measure has been attached -such as safety chains- that is certified for the weight of the fixture. We recommend only using the original Aputure cable accessories. Please note that any malfunctions caused by using unauthorized accessories are not covered by the warranty. The user may pay for service and maintenance. When hanging the fixture overhead, always ensure an extra safety measure has been attached -such as safety chains- that is certified for the weight of the fixture.

20. This product is certified by RoHS, CE, KC, PSE, and FCC. Please operate the product in full
compliance with relevant country's standards. Any malfunctions caused by incorrect use are not covered by the warranty. The user may pay for service and maintenance.

21. The User’ s Manual was formulated based on rigorous tests performed by the Company. No further notice will be given in the event of any change in its design and specifications.

FCC Declaration of Conformity

WARNING

Changes or modifications to this product that are not expressly approved by the manufacturer are prohibited and voids the user warranty.

ATTENTION

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to reorient or relocate the receiving antenna.

- Increase the separation between the equipment and receiver.
- Plug the device into the socket of a different circuit than the socket that the receiver is plugged into.
- Consult the dealer or experienced radio/TV technician for assistance.

RF Statement

This device has been evaluated to meet general RF exposure requirements.

Disclaimer

Please read the Product Manual before usage to ensure that you have fully understood the instructions and can correctly operate the device. After your reading, please keep the Product Manual properly for reference in the future. If you fail to operate the product correctly, you may get injured seriously or harm others seriously, or damage the product and result in your property damage. Your operation of the product will be deemed that you have understood, recognized and accepted all clauses and content of this document. Users undertake to be responsible for their behaviors and the consequences accordingly. Aputure will not be responsible for all losses arising from users' operation of this product not in accordance with the User's Manual.

The Company reserves the right for the final explanation of this document and all documents relating to the product on the premise of compliance with laws and regulations. No further notice will be given in the event of any update, revision or termination. Please access the official website of Aputure for the up-to-date product information.