

STORM 1000c

Product Manual

English

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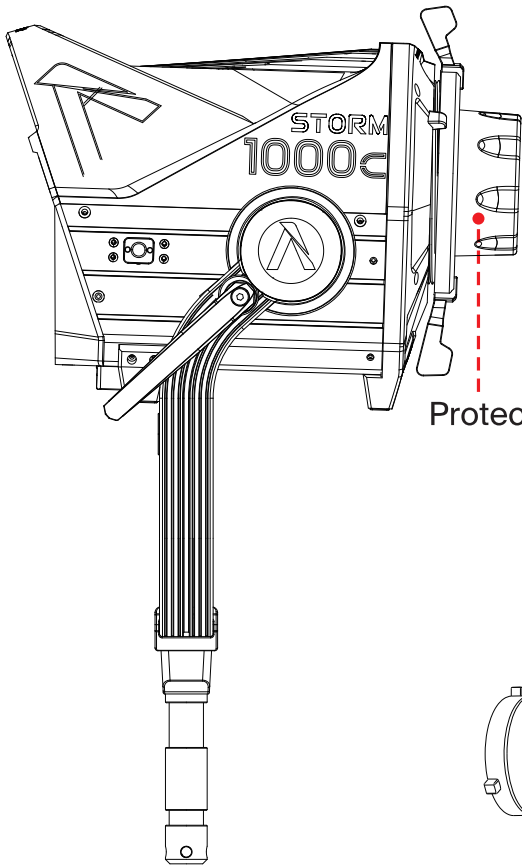
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Introduction

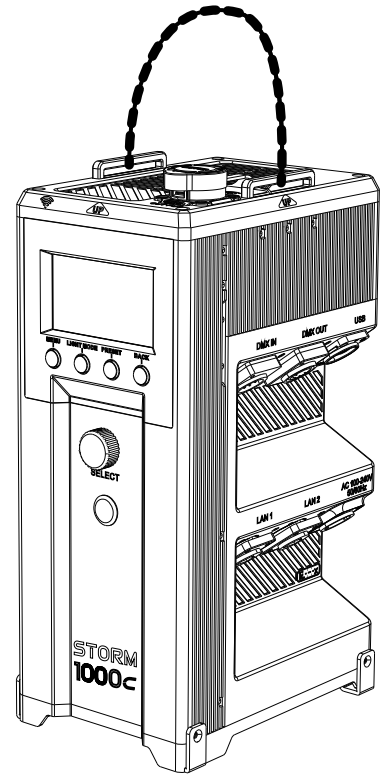
Thank you for purchasing the Aputure® "STORM" Series STORM 1000c. The STORM 1000c utilizes the BLAIRCG light engine and is a COB point light source. The compact and powerful STORM 1000c has an adjustable color temperature of 1800-20000K, and supports CCT, HSIC+, xy, RGB, GEL, SOURCE dimming modes. The 1000c is fully compatible with Sidus Link, Sidus Link Pro, DM512/RDM, and LumenRadio CRMX control methods. The STORM 1000c is IP65 rated and accepts Bowens Bayonet Mount accessories like the CF12 Fresnel Lens and the Spotlight MAX. Combined with its powerful output and robust color engine, the STORM 1000c provides a professional lighting solution which allows unprecedented creative freedom.

Components List

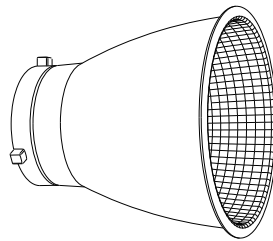
Before using this product, please check that all of the following items are included in the package. If any are missing, please contact your dealer.



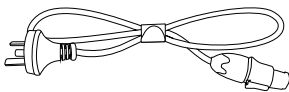
Protection Cover x 1



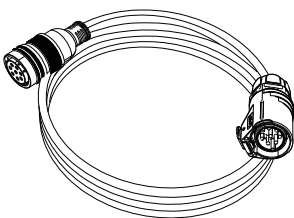
STORM 1000c Control Box x 1



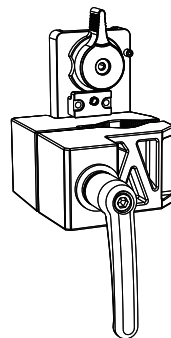
Wide Angle Reflector x 1



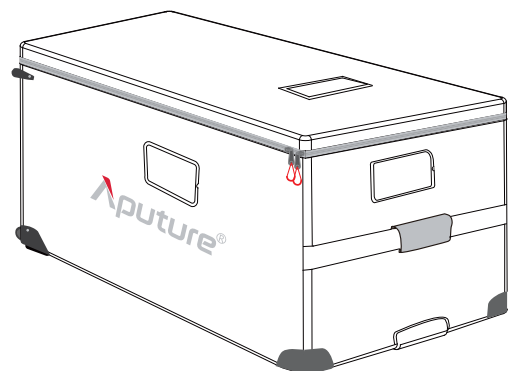
AC Power Cable (6m) x 1



7.5m 8pin Head Cable x 1



Lightning Clamp x 1

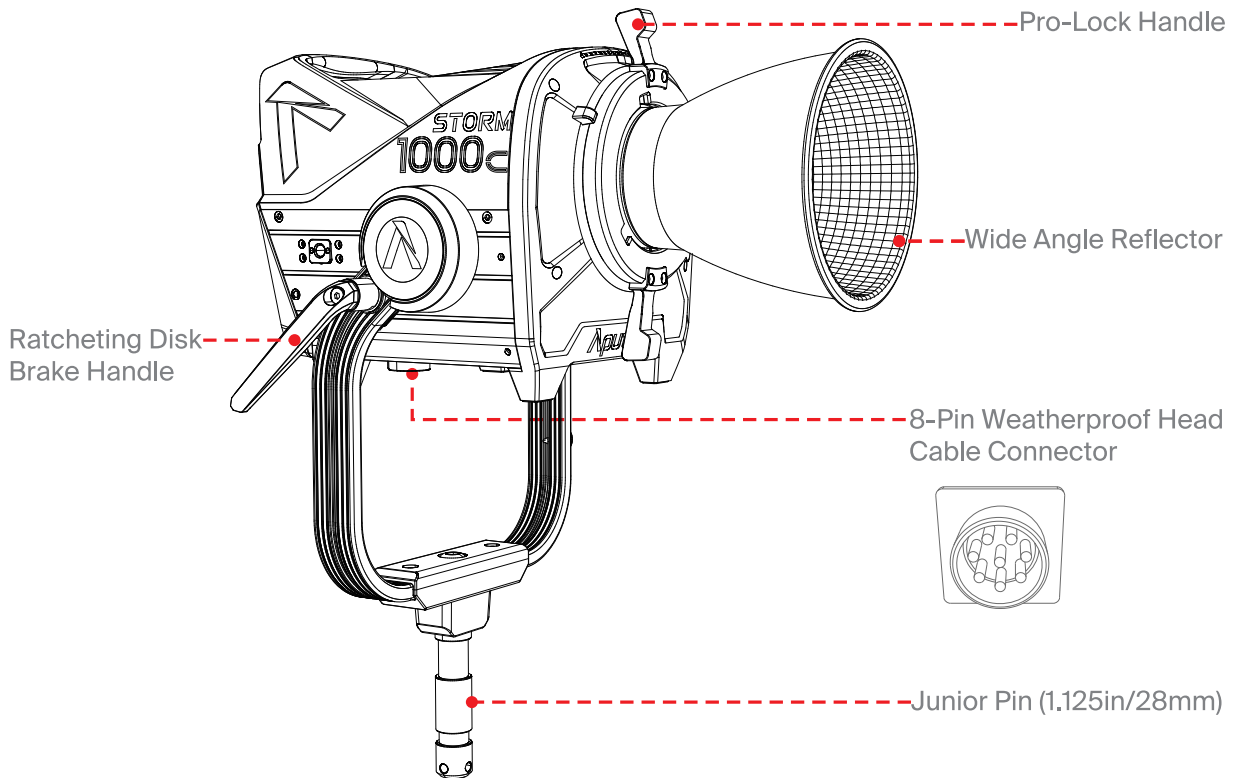


STORM 1000c Rolling Soft Case x 1

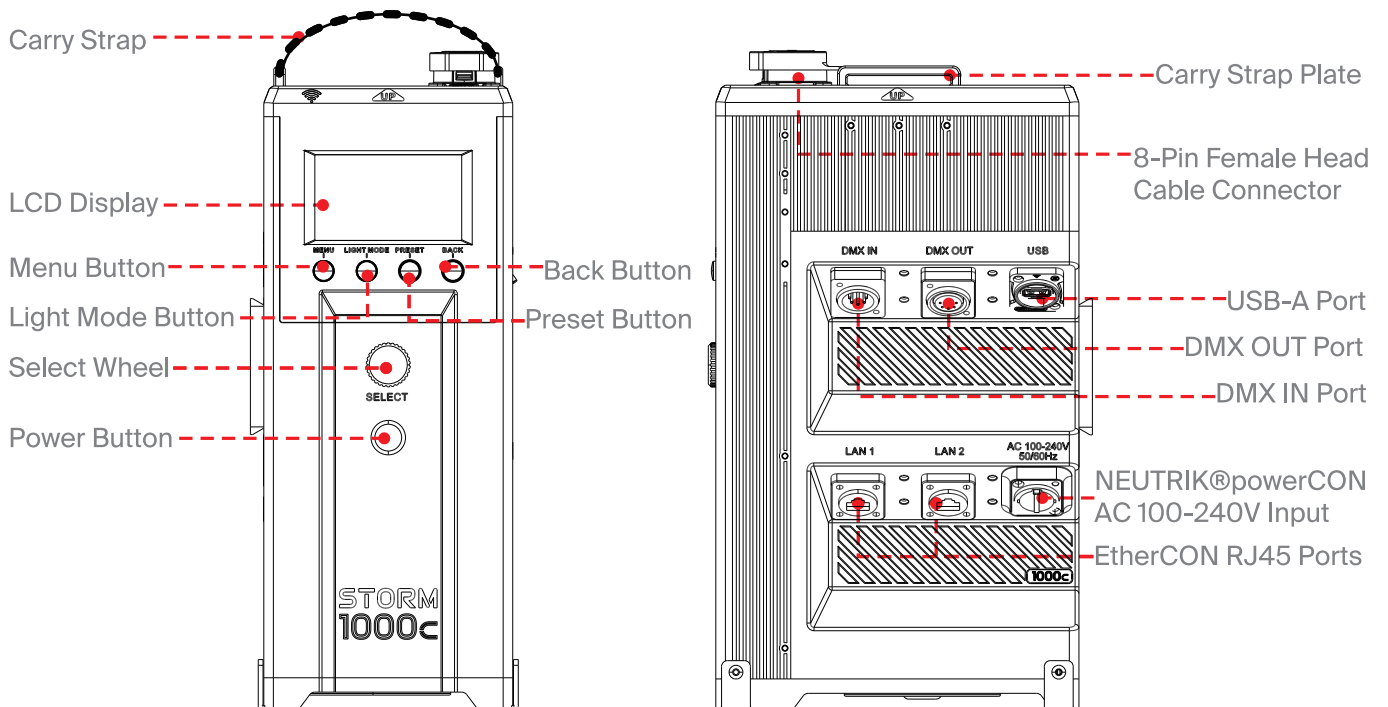
** All illustrations in this manual are for reference only. Plug specifications vary per region. The physical product may also differ from the schematic diagram due to continuous updates and upgrades.*

Product Overview

1. Lamp Head



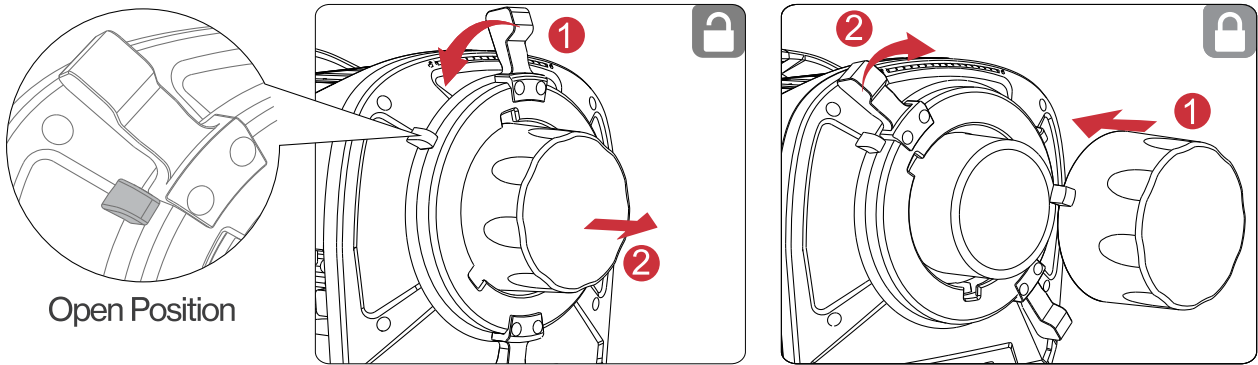
2. Control Box



Setup

1. Attaching/Detaching the Protection Cover

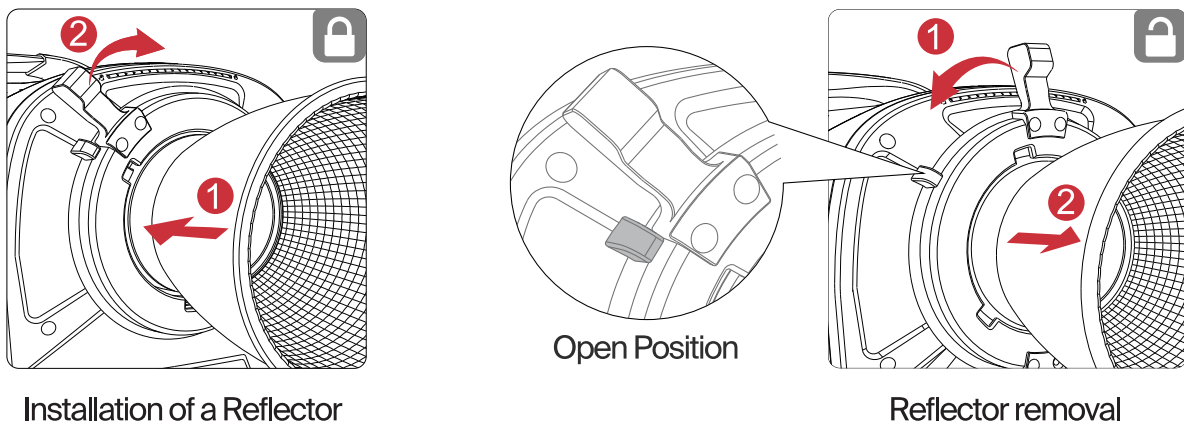
To detach the cover, rotate the Pro-Lock Handle to the open position and remove it. To reattach the cover, insert it into place and rotate the Pro-Lock Handle clockwise until locked.



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

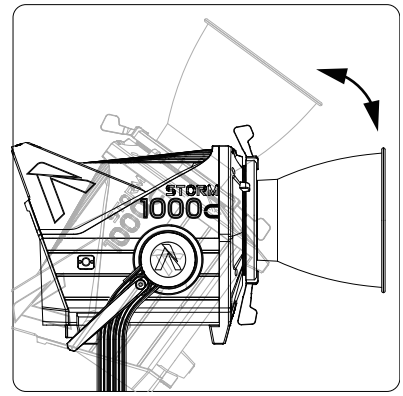
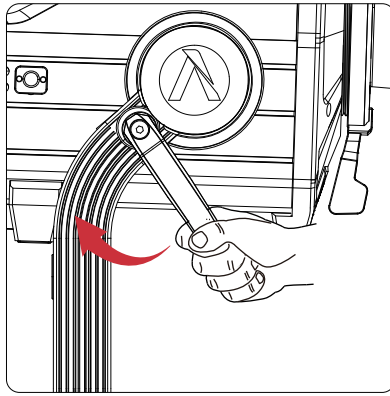
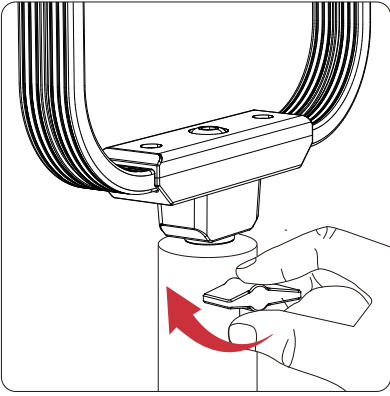
2. Attaching/Detaching the Reflector

To attach the Reflector, insert it into the Bowen Bayonet Mount and rotate the Pro-Lock Handle clockwise until locked. To detach the Reflector, rotate the Pro-Lock Handle to the open position and remove it.



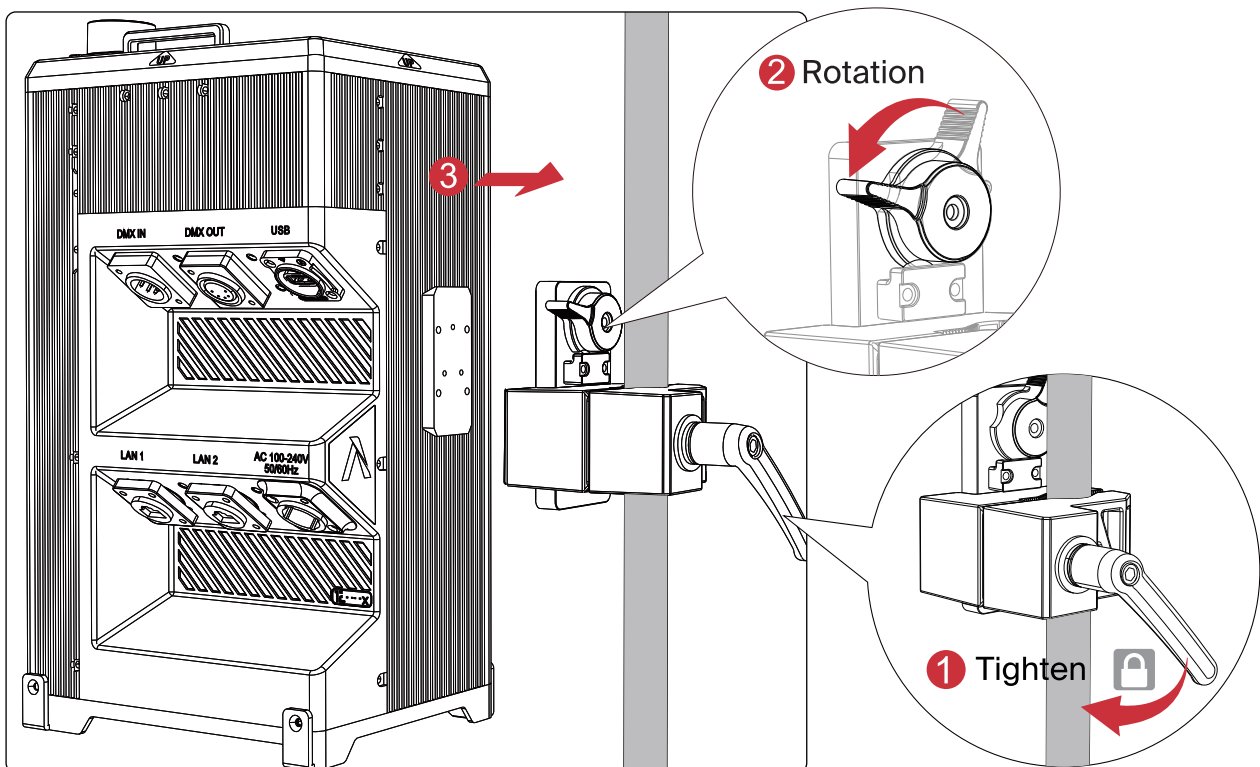
3. Setting Up the Lamp Head

Mount the Lamp Head into a Junior Receiver and tighten in place. Loosen or tighten the disc brake handle on the yoke to adjust the fixture's angle of tilt.

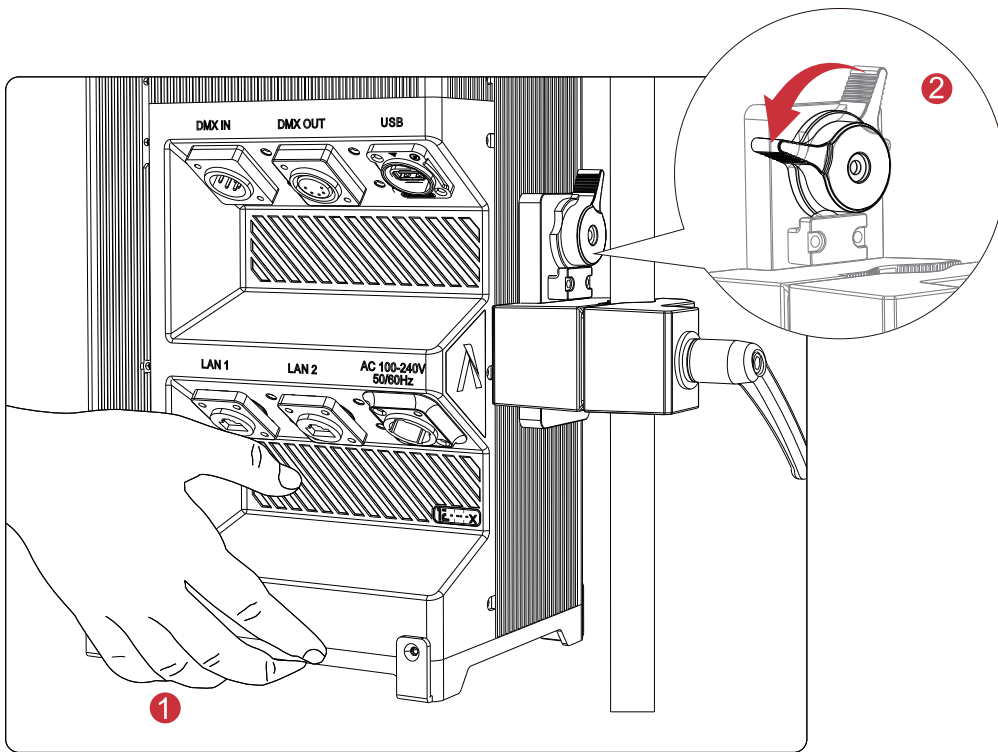


4. Using the Lightning Clamp

- 1) Attach the Lightning Clamp onto a light stand.
- 2) To attach the Control Box, rotate the release lever to unlock the quick-release plate. Then mount the Control Box onto the Lightning Clamp (the release lever will spring back) and check that it is secure.



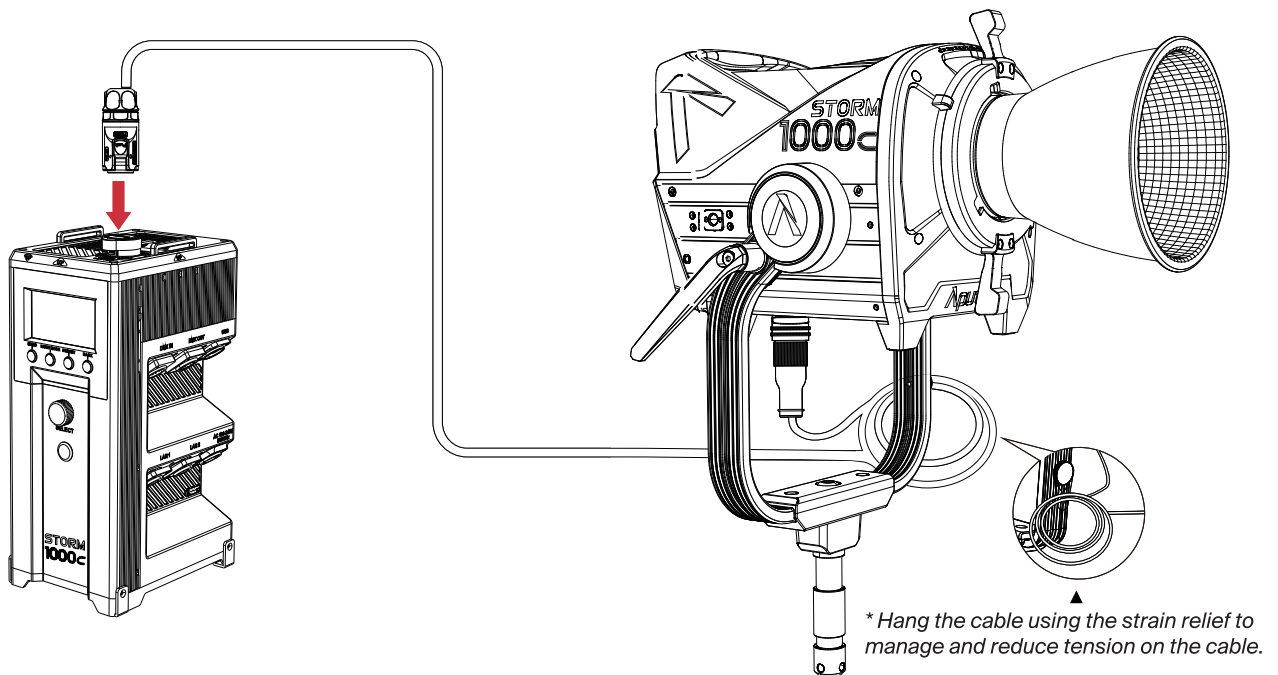
3) To remove the Control Box, grasp it firmly, and unlock the quick-release plate.



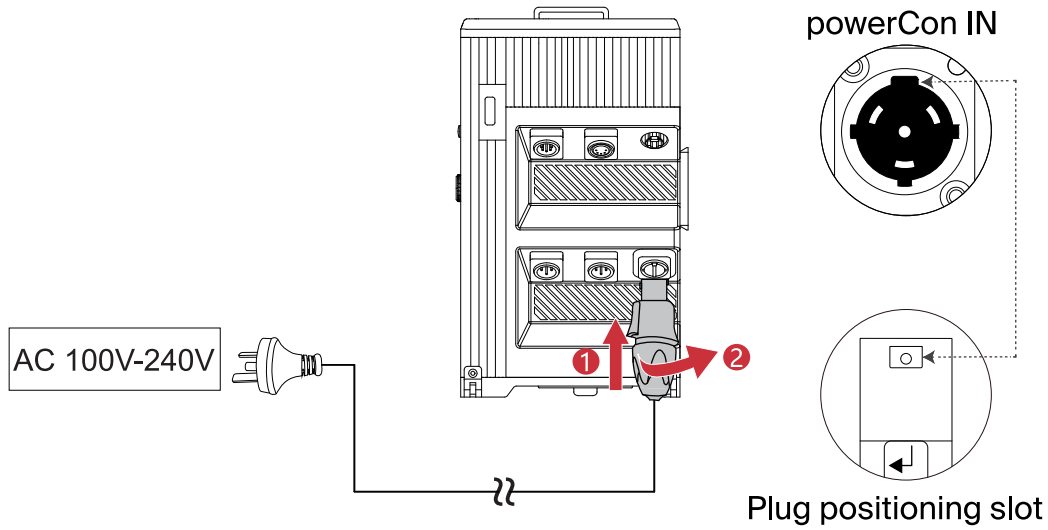
* The Lightning Clamp can attach to round or square fittings with a diameter of 2-5cm / 0.79-1.97 in.

5. Connecting the Lamp Head to the Control Box

Connect the Lamp Head to the Control Box using the 8-pin Weatherproof Head Cable.



6. Powering Up the Control Box

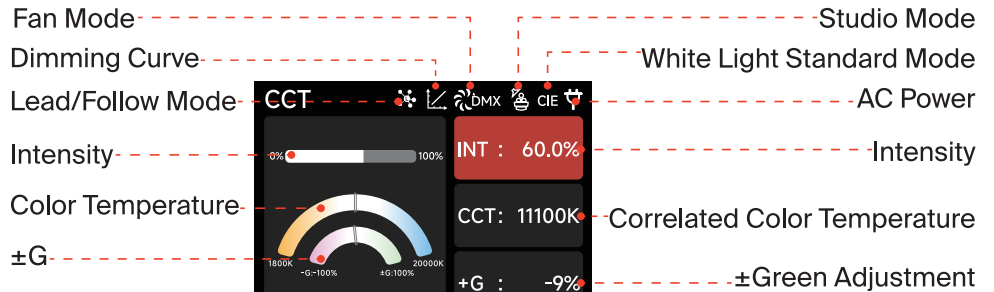
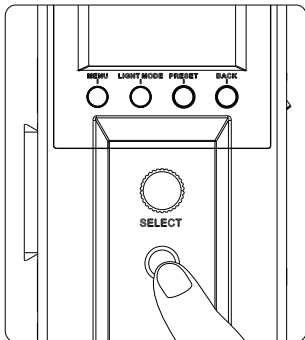


** To disconnect the Neutrik® powerCon cable, pull back on the silver release tab on the cable connector, and rotate the connector counter clockwise. Do not pull directly on the cable.*

Operating Instructions

1. Powering On/Off

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

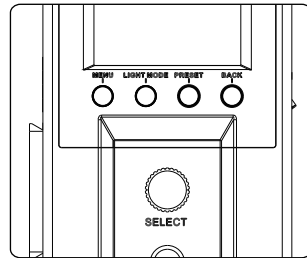


1.1 Status Indicator Icons

| | | | |
|----------------------------|--|---|--|
| Lead/Follow Mode: Leader | | Sidus BT Enabled | |
| Lead/Follow Mode: Follower | | Receiving CRMX data | |
| Fan Mode: Silent | | CRMX connected, no DMX data | |
| Fan Mode: High | | Connected to CRMX, no transmitter found | |
| Fan Mode: Medium | | Ethernet | |
| Fan Mode: Smart | | AC Power Detected | |
| Fan Mode: DMX | | CIE Daylight | |
| Dimming Curve: Linear | | Blackbody | |
| Dimming Curve: S-Curve | | Studio Mode: ON | |
| Dimming Curve: Exponential | | Studio Mode: OFF | |
| Dimming Curve: Logarithmic | | High-Speed Mode Enabled | |

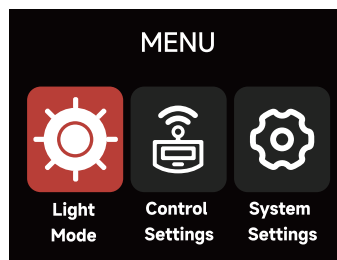
2. Manual Control of the Control Box

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



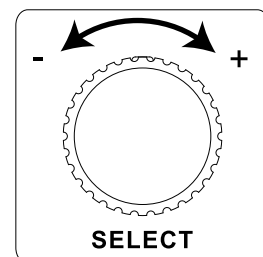
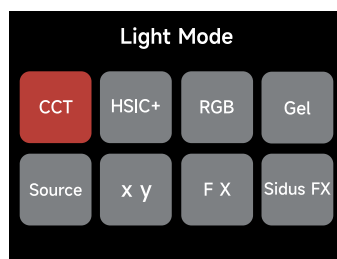
2.1 MENU

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



2.2 Light Modes

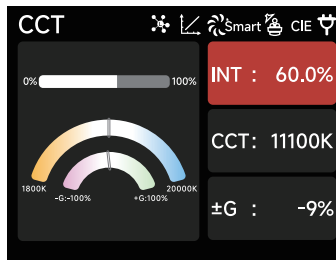
Press the Light Mode Button to enter the Light Mode Menu. Choose between CCT, HSIC+, RGB, GEL, Source, x y, FX, and Sidus FX Modes.



** 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 1000c Control Box in order to use Light Modes.*

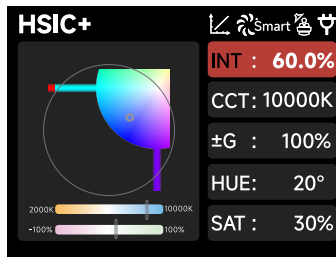
2.2.1 CCT

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



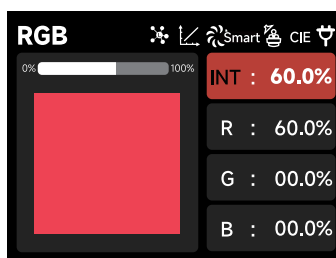
2.2.2 HSIC+

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



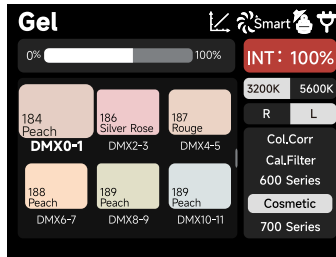
2.2.3 RGB

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.



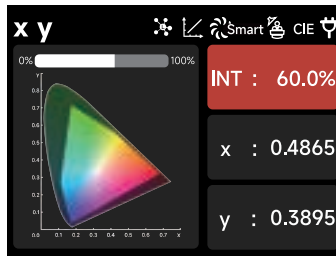
2.2.4 GEL

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



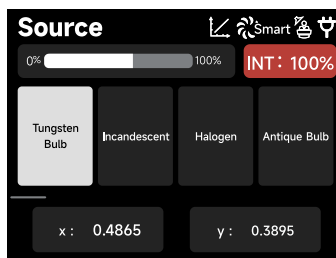
2.2.5 x y

Set the Intensity, x and y coordinate value (0-0.8000).



2.2.6 Source

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



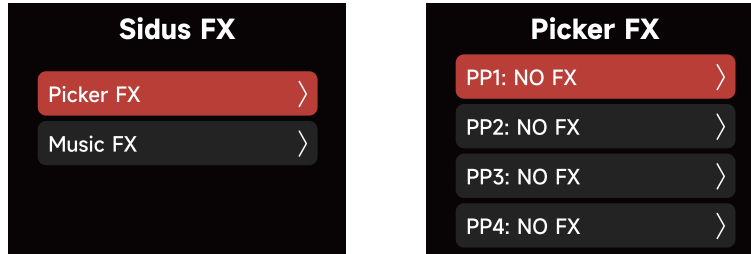
2.2.7 FX

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



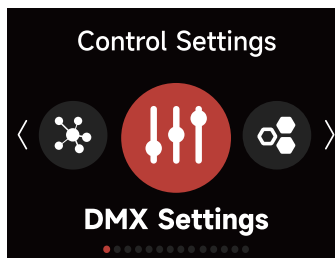
2.2.8 Sidus FX

Select either Picker FX or Music FX. Both custom FX choices can save up to 10 FX. "NO FX" indicates that nothing has been saved to this slot. Untitled indicates that an effect has been saved to the slot. The two types of light effects can save 10 custom light effects each. The suffix "NO FX" indicates that no light effect has been saved.



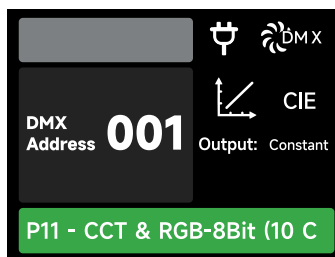
2.3 Control Settings

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



2.3.1 DMX Settings

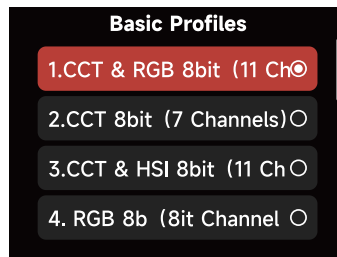
(1) **DMX Status Screen:** Displays DMX data status, the DMX address, the DMX Profile being used, the CRMX Signal Strength, Fan Mode, Dimming Curve, White Light Standard, Studio Mode in use, Output Mode, Power Status and more.



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

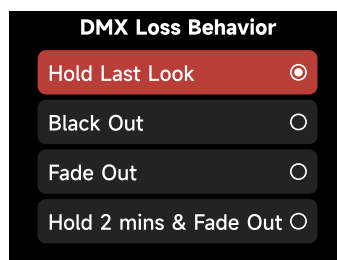


(3) DMX Profile: Choose which DMX Profile to use. Refer to the DMX Chart for the specifics of each profile.

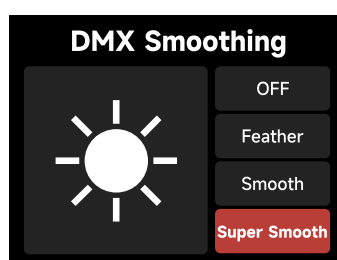


(4) DMX Loss Behavior--Choose from the following options:

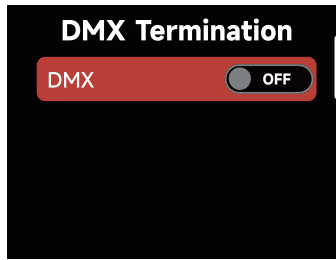
- I. Hold Last Look: when DMX signal is lost, DMX values will be retained until signal is regained.
- II. Black Out: when DMX signal is lost, the light will black out.
- III. Fade to Black: when DMX signal is lost, the light will wait for 60 seconds before fading to black.
- IV. Hold 2 min.&Fade Out: 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.

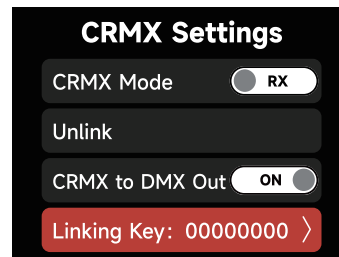
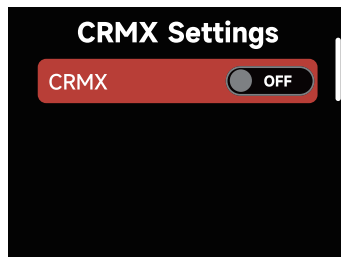


(6) **DMX Termination:** Turn ON (to help with DMX signal reflection) or OFF.

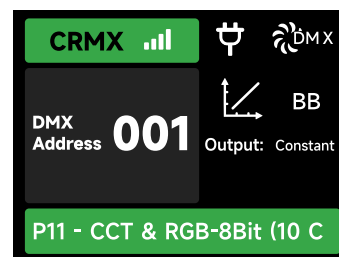
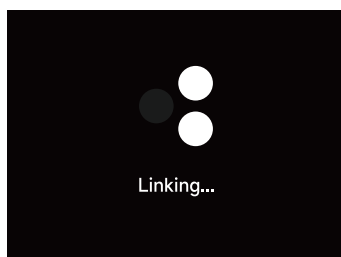


2.3.2 CRMX Settings

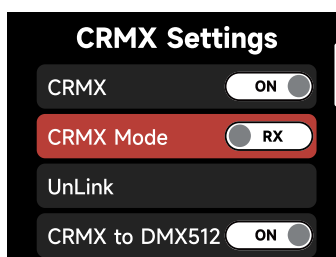
Turn CRMX ON or OFF.



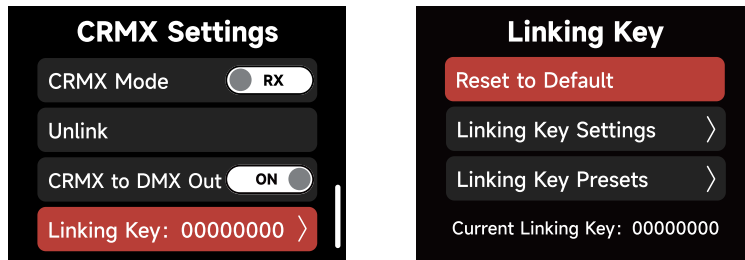
(1) When CRMX is ON/Enabled, the fixture will listen for it's previously linked Transmitter. If the fixture is currently unlinked, it will listen for a Transmitter link signal and link to any new CRMX link signal. Users can Unlink from previously linked Transmitters by selecting Unlink. Once a CRMX Link is established and DMX data is present, the display will change to the DMX Status Screen.



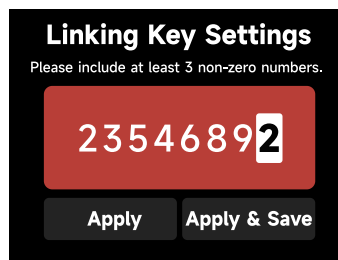
(2) When in CRMX RX Mode, CRMX to DMX512 "ON" pushes the received DMX data out of the DMX Out Port. If "OFF", then no data is pushed out of the DMX Out Port.



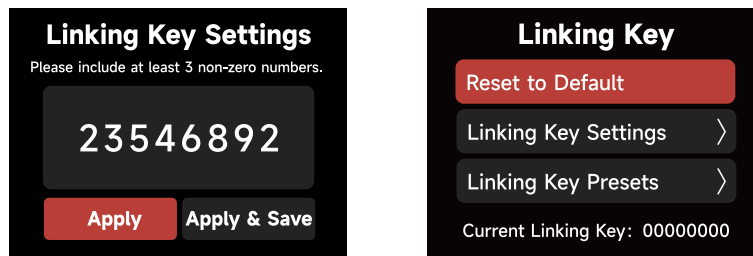
(3) When utilizing CRMX TX Mode, the lamp can transmit DMX data to receivers using CRMX. Linking Key can be used for RX's to link to.



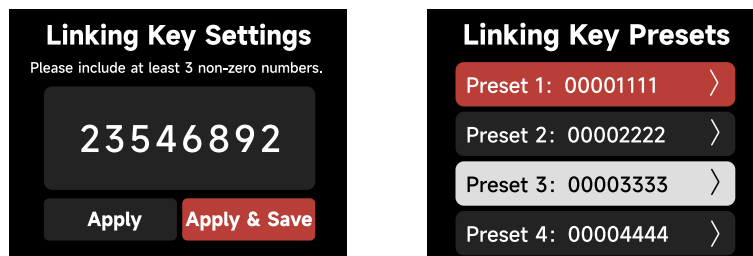
a. In the Linking Key interface, choose an 8 digit number to be the Linking Key. Three digits cannot be the number "0".



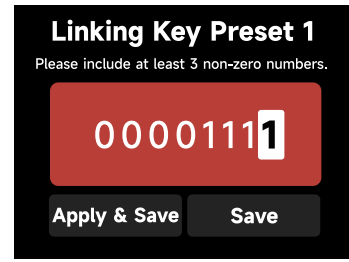
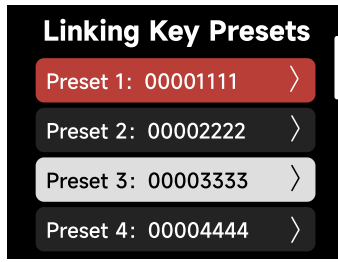
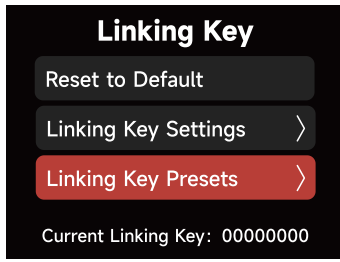
b. Choosing "Apply" sets the Linking Key. Presets can be saved for future use by selecting "Apply & Save".



c. Save 10 Presets in total.

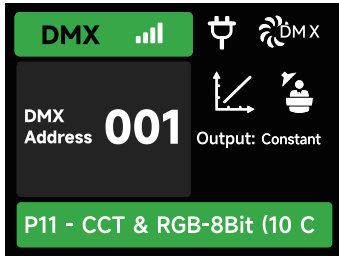


d. In the Linking Key Preset interface, save up to 10 Presets by choosing "Save" or set the Control Box's Linking Key and save it as the selected Preset by choosing "Apply and Save".



(4) CRMX RX (Receiving) Status

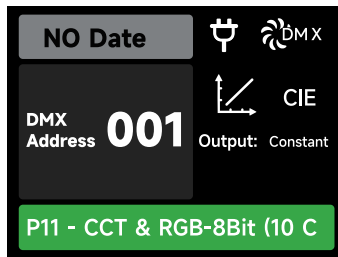
a. Signal Strength: When DMX data is provided to the Control Box acting as an RX, the DMX Status Screen will indicate the CRMX signal strength the Control Box is receiving.



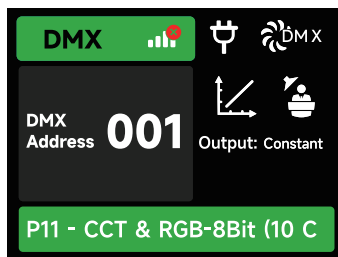
Signal Strength



b. No DMX data present.

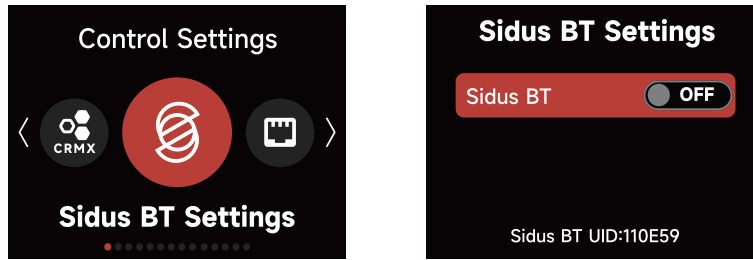


c. The Control Box CRMX RX is out of range of its TX. Check that the TX is powered On and within range.

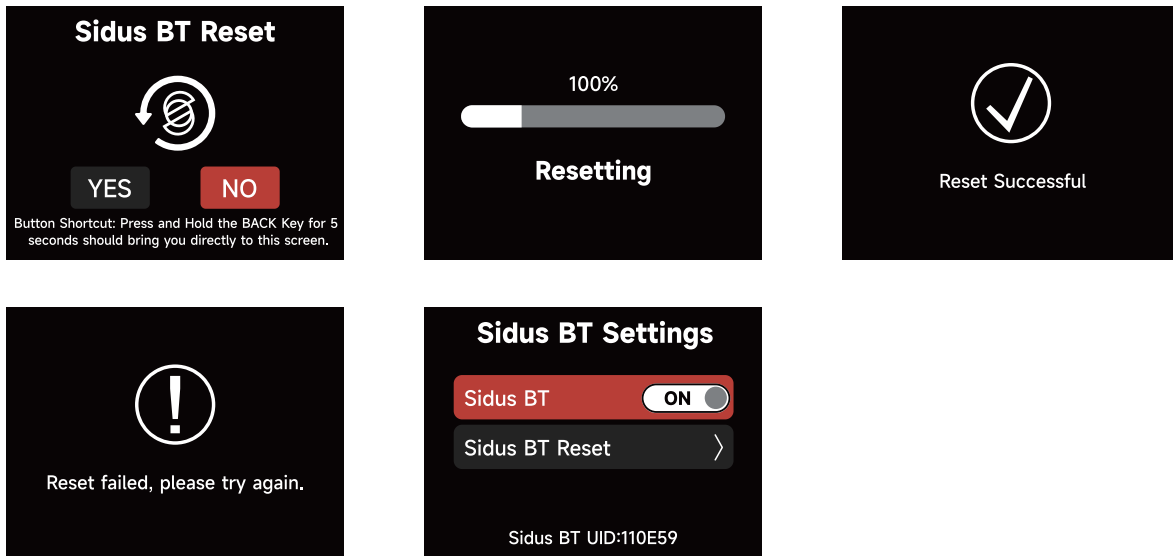


2.3.3 Sidus BT Settings

(1) Turn Sidus BT ON or OFF in the Sidus BT settings.

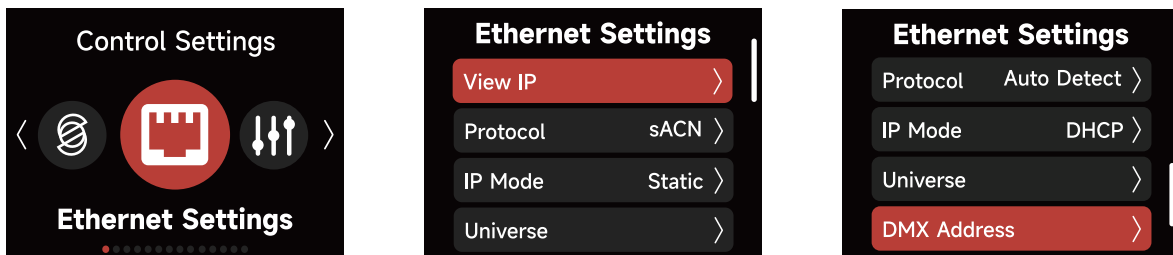


(2) When Bluetooth is "ON": the serial number is displayed here to facilitate connecting with the Sidus Link Pro and Sidus Link Apps. Use Sidus BT Reset to allow your Sidus Link device to connect with a new controller. If Sidus BT fails to reset, a "Reset Failed" warning will pop up before returning to the Sidus BT Reset display.



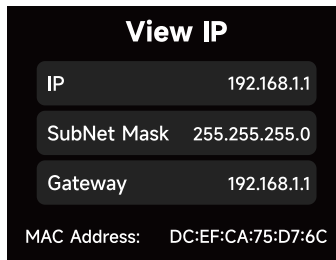
2.3.4 Ethernet Settings

View and edit Ethernet Settings.



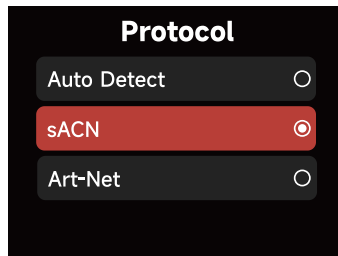
2.3.4.1 View IP

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.

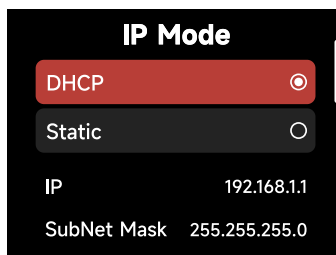


- (a) Automatic: identifies the Control Protocol automatically.
- (b) Art-Net: recognizes the Art-Net Protocol only and ignores sACN.
- (c) sACN: recognizes the sACN Protocol only and ignores Art-Net.

2.3.4.3 IP Mode

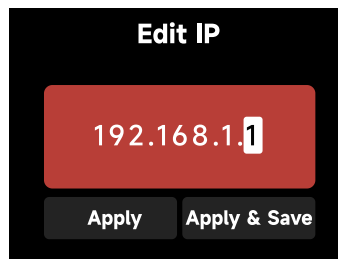
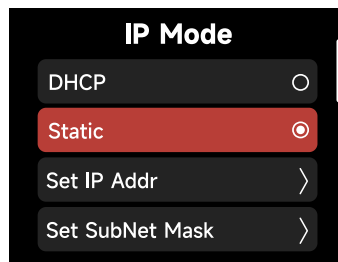
(1) IP Mode DHCP:

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.

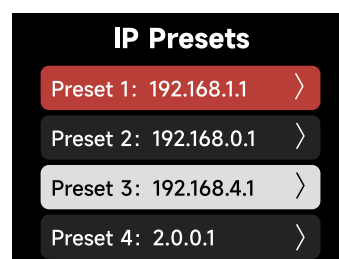
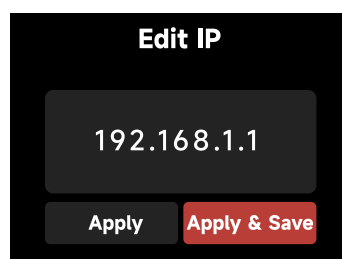
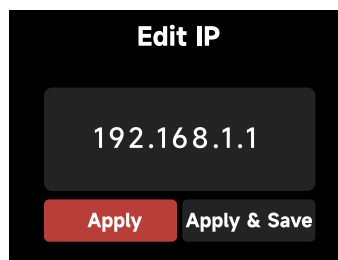


(2) IP Mode Static:

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

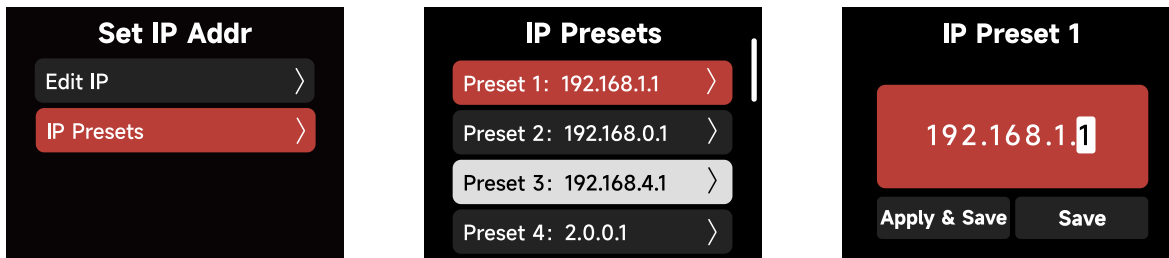


- a. Set the IP Address using the Select Wheel and then press the Back Button to exit the editing interface. Choose whether to "Apply" the IP or "Apply & Save" the IP to a Preset for use in the future.



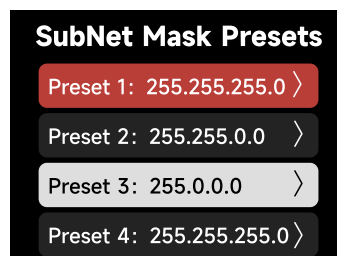
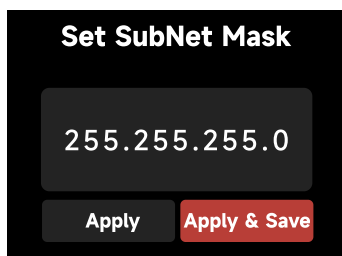
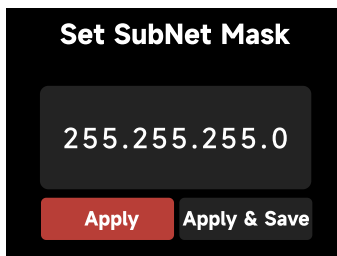
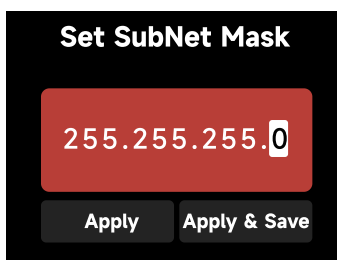
In the Presets interface, select a Preset to edit or apply.

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)



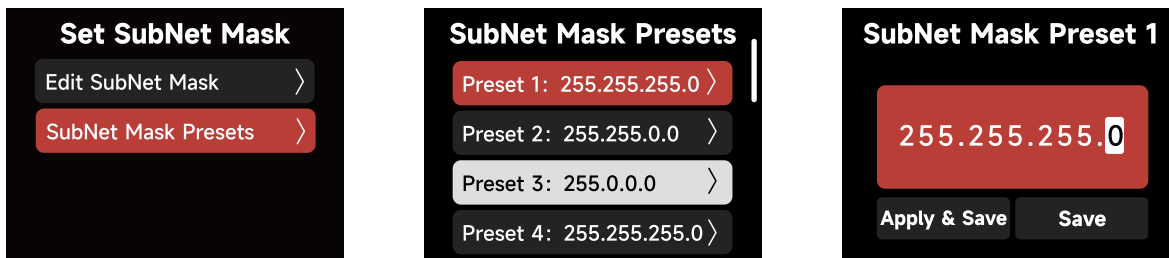
b. Set SubNet Mask

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.



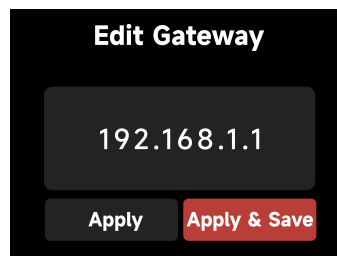
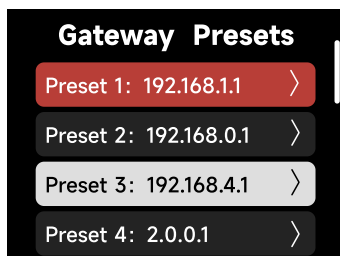
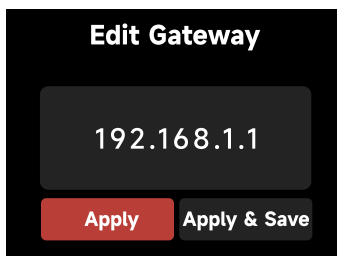
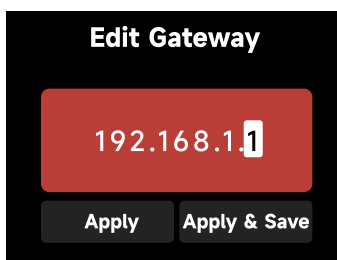
In the Presets interface, select a Preset to edit or apply.

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)



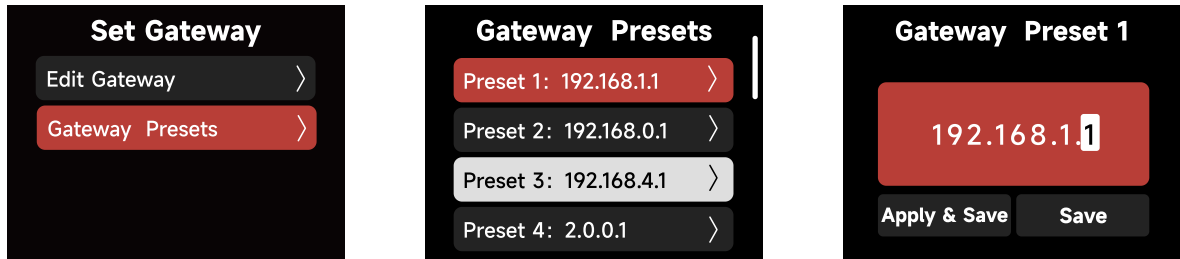
c. Set Gateway IP

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.



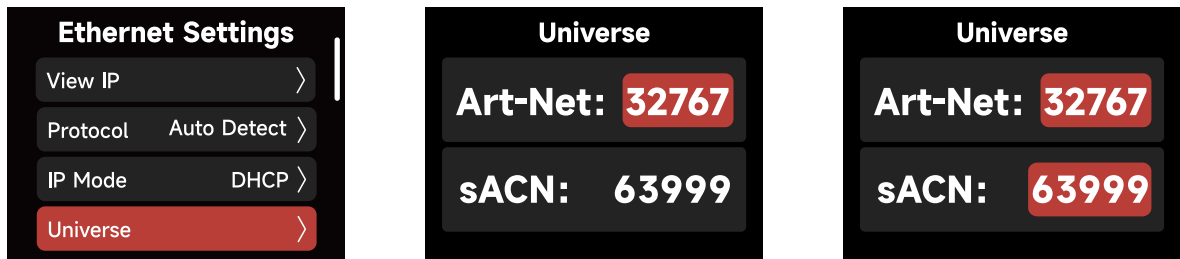
In the Presets interface, select a Preset to edit or apply.

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)



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



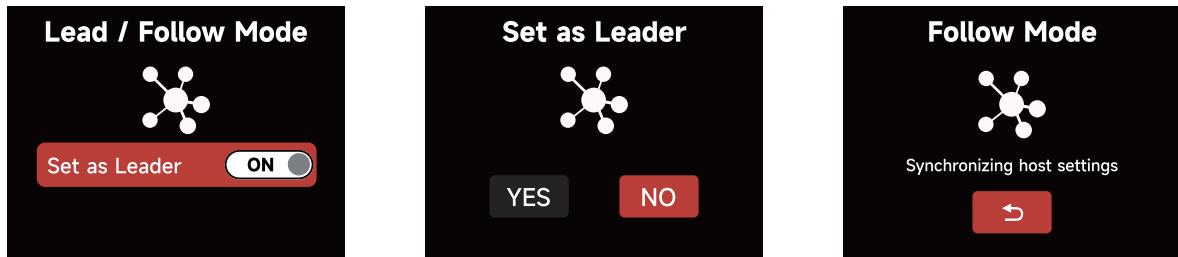
2.3.5 Lead/Follow Mode

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.

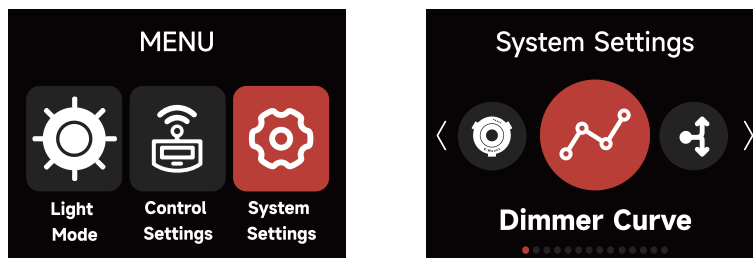
Batch upgrades of the firmware from a USB drive in the Leader's port is also possible; the Leader

Fixture should be connected with the Follow Fixtures via DMX to enable batch upgrades.



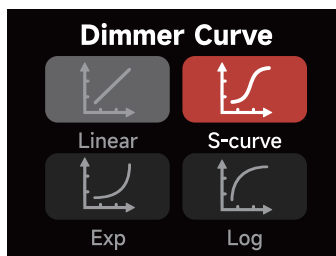
2.4 System Settings

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



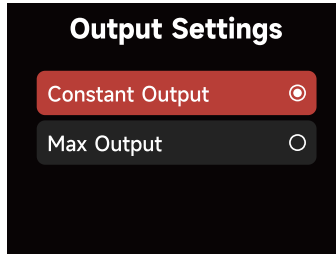
2.4.1 Dimming Curve

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



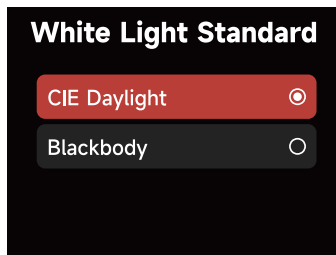
2.4.2 Output Settings

- (1) Constant Output: The lamp's brightness is kept consistent throughout the color temperature range.
- (2) Max Output: The lamp's brightness is prioritized throughout the color temperature range.

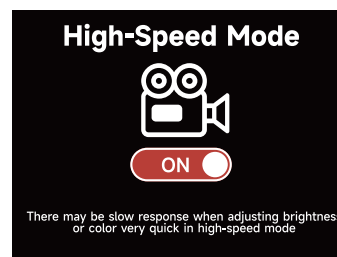
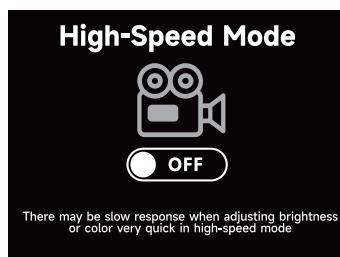


2.4.3 White Light Standard

- (1) CIE Daylight: meets the sunlight standard (5000K-20000K, Duv is controlled at 0.0020~0.0040);
- (2) Blackbody: meets the blackbody luminescence standard (Duv is controlled near the blackbody trajectory line)



2.4.4 High-Speed Mode

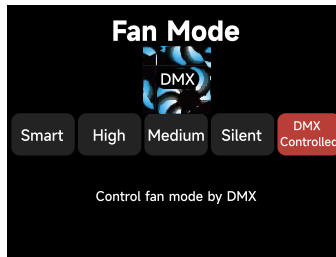


* If High-Speed Mode is ON:

- (1) The lowest intensity output is 20% when utilizing High-Speed Mode.
- (2) FX Modes cannot be utilized in High-Speed Mode.

2.4.5 Fan Mode

In the System Settings Fan Mode, rotate the Select Wheel and press to choose between Smart, High, Medium, Silent and DMX Controlled Fan Mode.

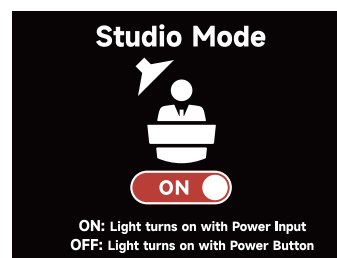
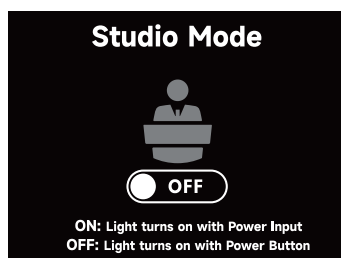


When using the DMX Controlled Fan Mode, the options for the Fan are:

- (1) Smart: able to work in $-20^{\circ}\text{C}/-4^{\circ}\text{F}$ through $45^{\circ}\text{C}/113^{\circ}\text{F}$ environment, the lamp will automatically adjust the fan speed according to different ambient temperatures.
- (2) High: able to work in $-20^{\circ}\text{C}/-4^{\circ}\text{F}$ through $45^{\circ}\text{C}/113^{\circ}\text{F}$ environment, fan will maintain its highest speed. In High-Speed Mode, the fan uses the Max Fan setting.
- (3) Medium: Capable of working in $-20^{\circ}\text{C}/-4^{\circ}\text{F}$ through $35^{\circ}\text{C}/95^{\circ}\text{F}$ environments, the fan uses a medium speed. Medium is the slowest speed possible for Maximum Output.
- (4) Silent: When working in an environment of $-20^{\circ}\text{C}/-4^{\circ}\text{F}$ – $45^{\circ}\text{C}/113^{\circ}\text{F}$, the fan stays OFF, but the output of the lamp is limited to 75W. See the STORM 1200x DMX Chart for details.
- (5) DMX Controlled: See the STORM 80c DMX Chart for details.

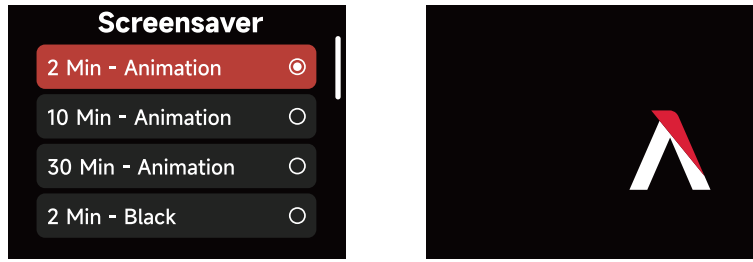
2.4.6 Studio Mode

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.



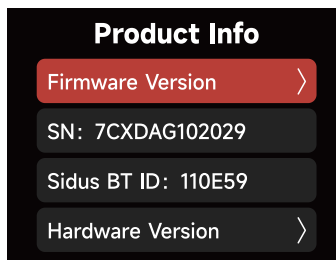
2.4.8 Language

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

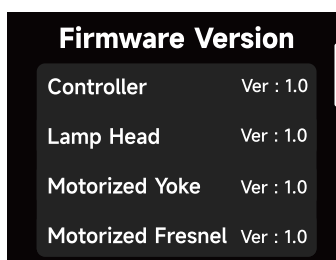


2.4.9 Product Information

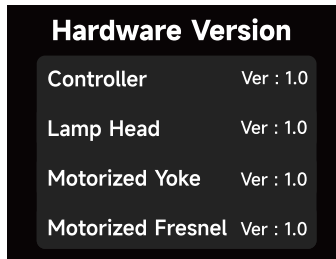
The Firmware Version, SN, Sidus BT ID, Hardware Version and Operating status, can all be checked in the Product Info interface.



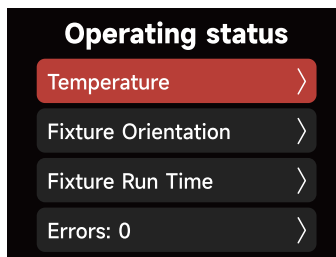
(1) The Firmware Version, SN, Sidus BT ID, Hardware Version and Operating status, can all be checked in the Product Info interface.



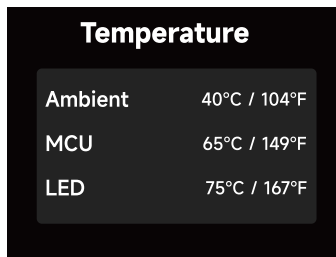
(2) Hardware Version: display the hardware versions of the Control Box and attached Lamp Head.



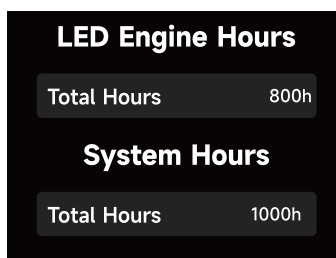
(3) Operating Status: display the Temperature, Lamp Head Run Time, and any Error Codes.



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



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

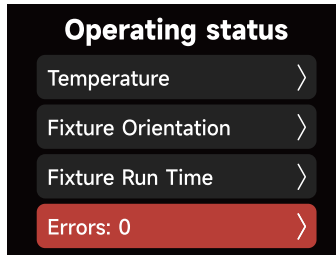


c. Errors:

If the lamp is operating as expected, then the display will read: “Errors: 0”

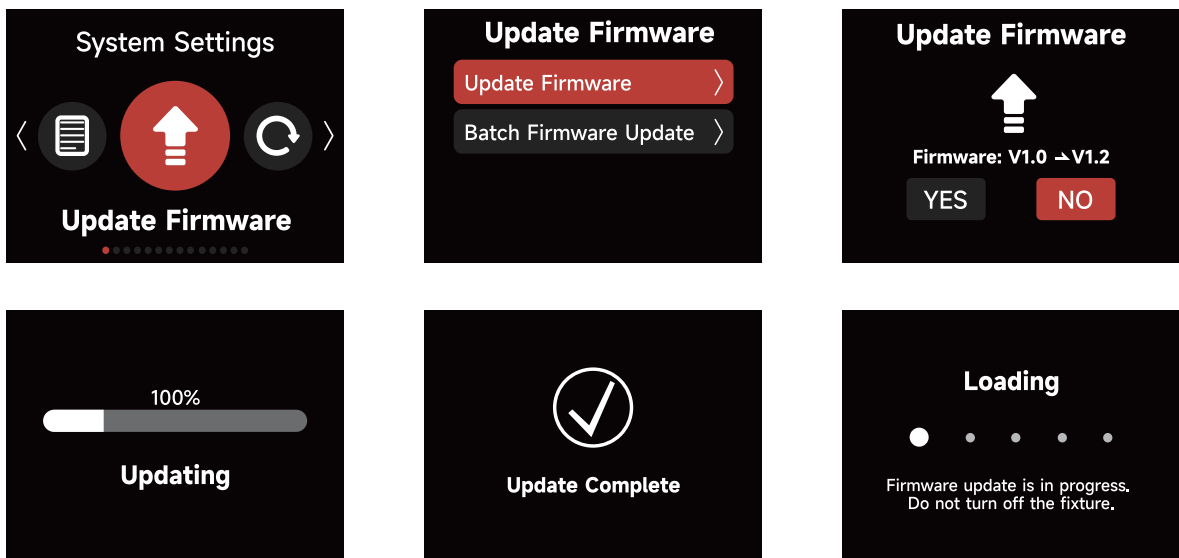
Errors are divided into two categories:

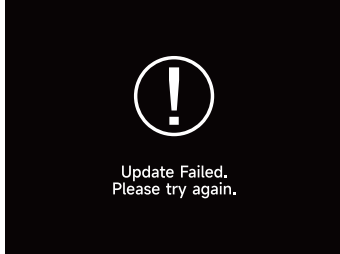
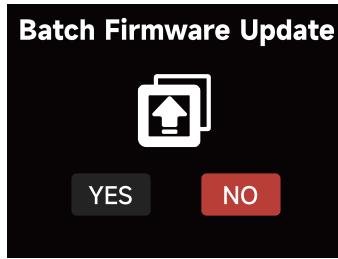
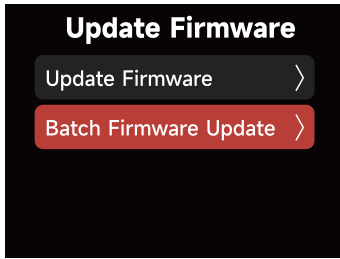
- i. Serious error: When a serious error occurs, the fixture cannot be used and will be locked for protection. Please respond to the error according to the fault prompt.
- ii. General error: When a general error occurs, the fixture is still available for use; enter the Product Info interface to view 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.

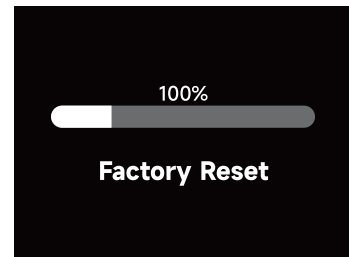
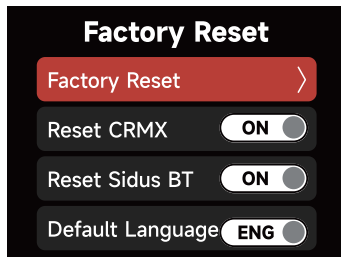
Choose whether to reset CRMX and Sidus BT and the desired Default Language.

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

The factory settings are:

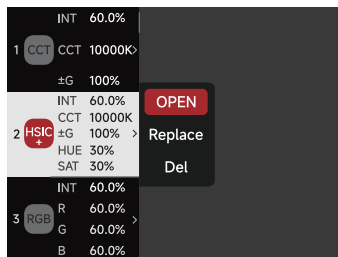
| | |
|-----------------------------|---|
| Light Mode | CCT; Color Temperature 3200K |
| Intensity | 0% |
| Output Mode | Maximum Output |
| Lead/Follow Mode | Off |
| High-Speed Mode | Off |
| Screensaver | 30 Minutes |
| White Light Standard | CIE Daylight |
| Fan Mode | Smart |
| Dimming Curve | 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 |

| | |
|----------|--|
| Ethernet | sACN IP Address: 192.168.2.16 SubNet Mask 255.255.255.0 Gateway IP: 192.168.2.1, Universe: 001 |
|----------|--|



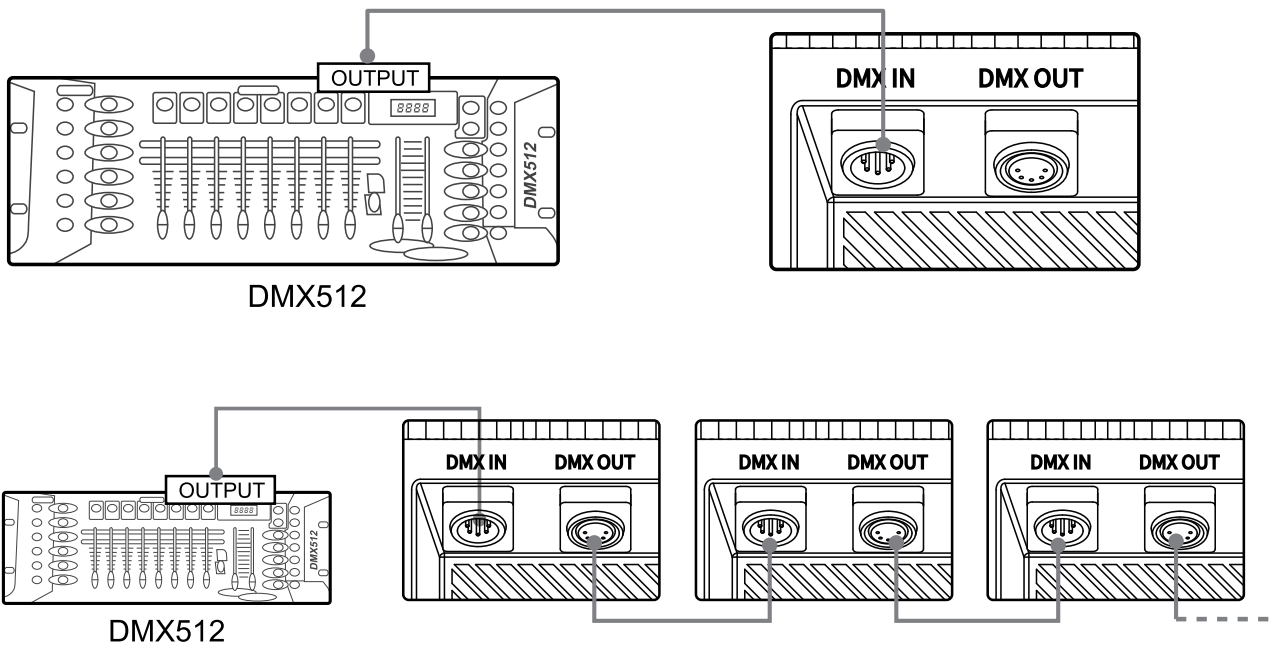
2.5 Presets

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.



3. DMX Console Control

3.1 Connecting the Lighting Console to the STORM 1000c Control Box



3.2 DMX Profile Control

STORM 1000c supports several DMX profiles. Please download the DMX Chart on the official website (<https://aputure.com>) to view detailed configurations.

4. 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](https://aputure.com) for more details on enhancing the Aputure experience with these Apps.



Sidus Link & Sidus Link Pro

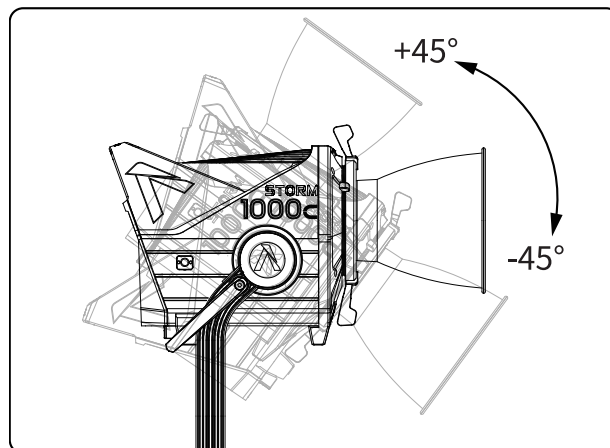


<https://help.sidus.link/>

Product Specifications

| | | | |
|-----------------------------------|---|--|--------------|
| Power Consumption (Max) | 1300W | Output Power (Max) | 1000W |
| Voltage Input Range | 100 -240 VAC | Operating Current | 5-13A |
| Cooling Method | Air Cooling | Operating Temperature | -20°C ~ 45°C |
| Color Temperature | 1800K - 1000K | Weather Resistance Rating | IP65 |
| SSI(D56) | 86 | SSI(D32) | 88 |
| CRI | 97+ | TLCI | 97+ |
| TM-30 Rf (average value) | 96 | TM-30 Rg (average value) | 100 |
| Control Methods | On-board, Sidus Link & Sidus Link Pro Apps, DMX/RDM, CRMX, sACN/Art-Net | | |
| Bluetooth Wireless Range | ≤ 100 m | CRMX Wireless Range | ≤ 100 m |
| Size (length x width x height) | Lamp Head (without yoke) | 33.46 x 23.17 x 25.08cm / 13.17 x 9.12 x 9.87 in | |
| | Lamp Head (with yoke) | 33.46 x 33.8 x 55.73cm / 13.17 x 13.31 x 21.94 in | |
| | Control Box | 13.58 x 20 x 34.35cm / 5.35 x 7.87 x 13.52 in | |
| Weight | Lamp Head | 9.66 kg/21.3 lbs | |
| | Control Box | 6.12 kg/13.5 lbs | |

** Damage to the Lamp Head or Control Box from moisture is not covered under the warranty. If the STORM 1200x is used in a heavy rain, it is recommended to use the tilt angle range of the lamp head as shown below:*



Photometrics

| Normal mode | | | | | | | |
|-------------|----------|------------|------------|----------|----------|-------------------|----------|
| CCT | Distance | Bare light | Reflectors | | | CF12 Fresnel Lens | |
| | | | BM7815 | BM7830 | BM7845 | 15° | 45° |
| 1800K | 2m | 7800lux | 87500lux | 43500lux | 18500lux | 75500lux | 15100lux |
| | | 725fc | 8132fc | 4043fc | 1719fc | 7017fc | 1403fc |
| | 3m | 3500lux | 39000lux | 16800lux | 7900lux | 32500lux | 6800lux |
| | | 325fc | 3625fc | 1561fc | 734fc | 3020fc | 632fc |
| | 5m | 1350lux | 13300lux | 5500lux | 2700lux | 11200lux | 2500lux |
| | | 125fc | 1236fc | 511fc | 251fc | 1041fc | 232fc |
| | 7m | 700lux | 6600lux | 2750lux | 1450lux | 5600lux | 1300lux |
| | | 65fc | 613fc | 256fc | 135fc | 520fc | 121fc |
| 2500K | 2m | 12500lux | 140000lux | 70000lux | 30000lux | 120000lux | 24000lux |
| | | 1162fc | 13011fc | 6506fc | 2788fc | 11152fc | 2230fc |
| | 3m | 5600lux | 62000lux | 27000lux | 12500lux | 52000lux | 11000lux |
| | | 520fc | 5762fc | 2509fc | 1162fc | 4833fc | 1022fc |
| | 5m | 2150lux | 21000lux | 8800lux | 4400lux | 18000lux | 4000lux |
| | | 200fc | 1952fc | 818fc | 409fc | 1673fc | 372fc |
| | 7m | 1100lux | 10500lux | 4400lux | 2350lux | 9000lux | 2100lux |
| | | 102fc | 976fc | 409fc | 218fc | 836fc | 195fc |
| 3200K | 2m | 14500lux | 160000lux | 80000lux | 34000lux | 139000lux | 28000lux |
| | | 1348fc | 14870fc | 7435fc | 3160fc | 12918fc | 2602fc |
| | 3m | 6500lux | 72000lux | 31000lux | 14500lux | 60000lux | 12500lux |
| | | 604fc | 6691fc | 2881fc | 1348fc | 5576fc | 1162fc |
| | 5m | 2500lux | 24500lux | 10000lux | 5100lux | 20500lux | 4600lux |
| | | 232fc | 2277fc | 929fc | 474fc | 1905fc | 428fc |
| | 7m | 1300lux | 12200lux | 5100lux | 2700lux | 10300lux | 2450lux |
| | | 121fc | 1134fc | 474fc | 251fc | 957fc | 228fc |
| 4300K | 2m | 14700lux | 164000lux | 82000lux | 35000lux | 142000lux | 29000lux |
| | | 1366fc | 15242fc | 7621fc | 3253fc | 13197fc | 2695fc |
| | 3m | 6600lux | 73000lux | 31000lux | 14700lux | 61000lux | 13000lux |
| | | 613fc | 6784fc | 2881fc | 1366fc | 5669fc | 1208fc |
| | 5m | 2550lux | 25000lux | 10500lux | 5200lux | 21000lux | 4700lux |
| | | 237fc | 2323fc | 976fc | 483fc | 1952fc | 437fc |
| | 7m | 1350lux | 12500lux | 5200lux | 2700lux | 10500lux | 2500lux |
| | | 125fc | 1162fc | 483fc | 251fc | 976fc | 232fc |

Continued Table:

| Normal mode | | | | | | | |
|-------------|----------|------------|------------|----------|----------|-------------------|----------|
| CCT | Distance | Bare light | Reflectors | | | CF12 Fresnel Lens | |
| | | | BM7815 | BM7830 | BM7845 | 15° | 45° |
| 5600K | 2m | 14000lux | 158000lux | 79000lux | 33500lux | 137000lux | 27500lux |
| | | 1301fc | 14684fc | 7342fc | 3113fc | 12732fc | 2556fc |
| | 3m | 6300lux | 70000lux | 31000lux | 14200lux | 58500lux | 1250lux |
| | | 586fc | 6506fc | 2881fc | 1320fc | 5437fc | 116fc |
| | 5m | 2450lux | 24000lux | 10000lux | 5000lux | 20000lux | 4500lux |
| | | 228fc | 2230fc | 929fc | 465fc | 1859fc | 418fc |
| | 7m | 1300lux | 12000lux | 5000lux | 2600lux | 10000lux | 2400lux |
| | | 121fc | 1115fc | 465fc | 242fc | 929fc | 223fc |
| 6500K | 2m | 13700lux | 152000lux | 75000lux | 32500lux | 132000lux | 26500lux |
| | | 1273fc | 14126fc | 6970fc | 3020fc | 12268fc | 2463fc |
| | 3m | 6200lux | 68000lux | 30000lux | 14000lux | 57000lux | 12000lux |
| | | 576fc | 6320fc | 2788fc | 1301fc | 5297fc | 1115fc |
| | 5m | 2350lux | 23500lux | 9800lux | 4900lux | 19500lux | 4300lux |
| | | 218fc | 2184fc | 911fc | 455fc | 1812fc | 400fc |
| | 7m | 1250lux | 11500lux | 4800lux | 2500lux | 9500lux | 2300lux |
| | | 116fc | 1069fc | 446fc | 232fc | 883fc | 214fc |
| 7500K | 2m | 13500lux | 150000lux | 75000lux | 31000lux | 130000lux | 26000lux |
| | | 1255fc | 13941fc | 6970fc | 2881fc | 12082fc | 2416fc |
| | 3m | 6000lux | 66000lux | 29000lux | 13500lux | 55000lux | 11500lux |
| | | 558fc | 6134fc | 2695fc | 1255fc | 5112fc | 1069fc |
| | 5m | 2300lux | 23000lux | 9500lux | 4700lux | 19000lux | 4300lux |
| | | 214fc | 2138fc | 883fc | 437fc | 1766fc | 400fc |
| | 7m | 1200lux | 11000lux | 4800lux | 2500lux | 9500lux | 2300lux |
| | | 112fc | 1022fc | 446fc | 232fc | 883fc | 214fc |
| 10000K | 2m | 11500lux | 130000lux | 64000lux | 27000lux | 110000lux | 22000lux |
| | | 1069fc | 12082fc | 5948fc | 2509fc | 10223fc | 2045fc |
| | 3m | 5200lux | 57000lux | 25000lux | 11500lux | 47000lux | 10000lux |
| | | 483fc | 5297fc | 2323fc | 1069fc | 4368fc | 929fc |
| | 5m | 2000lux | 20000lux | 8200lux | 4000lux | 16000lux | 3600lux |
| | | 186fc | 1859fc | 762fc | 372fc | 1487fc | 335fc |
| | 7m | 1000lux | 9500lux | 4000lux | 2100lux | 8200lux | 1950lux |
| | | 93fc | 883fc | 372fc | 195fc | 762fc | 181fc |

Continued Table:

| Normal mode | | | | | | | |
|-------------|----------|------------|------------|----------|----------|-------------------|----------|
| CCT | Distance | Bare light | Reflectors | | | CF12 Fresnel Lens | |
| | | | BM7815 | BM7830 | BM7845 | 15° | 45° |
| 15000K | 2m | 9600lux | 110000lux | 53000lux | 23000lux | 92000lux | 18500lux |
| | | 892fc | 10223fc | 4926fc | 2138fc | 8550fc | 1719fc |
| | 3m | 4200lux | 47000lux | 20500lux | 9600lux | 39000lux | 8400lux |
| | | 390fc | 4368fc | 1905fc | 892fc | 3625fc | 781fc |
| | 5m | 1600lux | 16000lux | 6800lux | 3400lux | 13500lux | 3000lux |
| | | 149fc | 1487fc | 632fc | 316fc | 1255fc | 279fc |
| | 7m | 850lux | 8000lux | 3400lux | 1800lux | 6800lux | 1600lux |
| | | 79fc | 743fc | 316fc | 167fc | 632fc | 149fc |
| 20000K | 2m | 8700lux | 97000lux | 48000lux | 21000lux | 84000lux | 17000lux |
| | | 809fc | 9015fc | 4461fc | 1952fc | 7807fc | 1580fc |
| | 3m | 3900lux | 43000lux | 19000lux | 8800lux | 36000lux | 7600lux |
| | | 362fc | 3996fc | 1766fc | 818fc | 3346fc | 706fc |
| | 5m | 1500lux | 14500lux | 6200lux | 3100lux | 12500lux | 2800lux |
| | | 139fc | 1348fc | 576fc | 288fc | 1162fc | 260fc |
| | 7m | 800lux | 7400lux | 3100lux | 1600lux | 6200lux | 1500lux |
| | | 74fc | 688fc | 288fc | 149fc | 576fc | 139fc |

| High-speed photography mode | | | | | | | |
|-----------------------------|----------|------------|------------|----------|----------|-------------------|----------|
| CCT | Distance | Bare light | Reflectors | | | CF12 Fresnel Lens | |
| | | | BM7815 | BM7830 | BM7845 | 15° | 45° |
| 1800K | 2m | 9000lux | 100000lux | 50000lux | 21500lux | 87000lux | 17500lux |
| | | 836fc | 9294fc | 4647fc | 1998fc | 8086fc | 1626fc |
| | 3m | 4000lux | 45000lux | 20000lux | 9000lux | 37000lux | 7800lux |
| | | 372fc | 4182fc | 1859fc | 836fc | 3439fc | 725fc |
| | 5m | 1550lux | 15500lux | 6300lux | 3150lux | 12800lux | 2800lux |
| | | 144fc | 1441fc | 586fc | 293fc | 1190fc | 260fc |
| | 7m | 800lux | 7600lux | 3200lux | 1650lux | 6500lux | 1500lux |
| | | 74fc | 706fc | 297fc | 153fc | 604fc | 139fc |
| 2500K | 2m | 11500lux | 130000lux | 65000lux | 28000lux | 113000lux | 22500lux |
| | | 1069fc | 12082fc | 6041fc | 2602fc | 10502fc | 2091fc |
| | 3m | 5200lux | 58500lux | 25000lux | 12000lux | 48500lux | 10500lux |
| | | 483fc | 5437fc | 2323fc | 1115fc | 4507fc | 976fc |
| | 5m | 2050lux | 20000lux | 8300lux | 4150lux | 16500lux | 3700lux |
| | | 191fc | 1859fc | 771fc | 386fc | 1533fc | 344fc |
| | 7m | 1050lux | 9900lux | 4150lux | 2150lux | 8400lux | 2000lux |
| | | 98fc | 920fc | 386fc | 200fc | 781fc | 186fc |
| 3200K | 2m | 16000lux | 175000lux | 86000lux | 37000lux | 152000lux | 30000lux |
| | | 1487fc | 16264fc | 7993fc | 3439fc | 14126fc | 2788fc |
| | 3m | 7000lux | 78000lux | 34000lux | 16000lux | 65000lux | 13500lux |
| | | 651fc | 7249fc | 3160fc | 1487fc | 6041fc | 1255fc |
| | 5m | 2700lux | 27000lux | 11000lux | 5600lux | 22000lux | 5000lux |
| | | 251fc | 2509fc | 1022fc | 520fc | 2045fc | 465fc |
| | 7m | 1450lux | 13200lux | 5600lux | 2900lux | 11000lux | 2700lux |
| | | 135fc | 1227fc | 520fc | 270fc | 1022fc | 251fc |
| 4300K | 2m | 17000lux | 190000lux | 94000lux | 40000lux | 160000lux | 32000lux |
| | | 1580fc | 17658fc | 8736fc | 3717fc | 14870fc | 2974fc |
| | 3m | 7500lux | 84000lux | 36000lux | 17000lux | 70000lux | 15000lux |
| | | 697fc | 7807fc | 3346fc | 1580fc | 6506fc | 1394fc |
| | 5m | 2900lux | 29000lux | 12000lux | 6000lux | 24000lux | 5300lux |
| | | 270fc | 2695fc | 1115fc | 558fc | 2230fc | 493fc |
| | 7m | 1550lux | 14000lux | 5900lux | 3100lux | 12000lux | 2900lux |
| | | 144fc | 1301fc | 548fc | 288fc | 1115fc | 270fc |

Continued Table:

| High-speed photography mode | | | | | | | |
|-----------------------------|----------|------------|------------|----------|----------|-------------------|----------|
| CCT | Distance | Bare light | Reflectors | | | CF12 Fresnel Lens | |
| | | | BM7815 | BM7830 | BM7845 | 15° | 45° |
| 5600K | 2m | 16500lux | 185000lux | 90000lux | 39000lux | 155000lux | 31000lux |
| | | 1533fc | 17193fc | 8364fc | 3625fc | 14405fc | 2881fc |
| | 3m | 7400lux | 82000lux | 35000lux | 16500lux | 68000lux | 14500lux |
| | | 688fc | 7621fc | 3253fc | 1533fc | 6320fc | 1348fc |
| | 5m | 2850lux | 28000lux | 11500lux | 5800lux | 23000lux | 5250lux |
| | | 265fc | 2602fc | 1069fc | 539fc | 2138fc | 488fc |
| 7m | 1500lux | 14000lux | 5800lux | 3050lux | 11800lux | 2800lux | |
| | 139fc | 1301fc | 539fc | 283fc | 1097fc | 260fc | |
| 6500K | 2m | 15700lux | 175000lux | 88000lux | 37500lux | 152000lux | 31000lux |
| | | 1459fc | 16264fc | 8178fc | 3485fc | 14126fc | 2881fc |
| | 3m | 7000lux | 78000lux | 34000lux | 16000lux | 65500lux | 14000lux |
| | | 651fc | 7249fc | 3160fc | 1487fc | 6087fc | 1301fc |
| | 5m | 2700lux | 27000lux | 11000lux | 5600lux | 22000lux | 5100lux |
| | | 251fc | 2509fc | 1022fc | 520fc | 2045fc | 474fc |
| 7m | 1450lux | 13000lux | 5600lux | 2900lux | 11000lux | 2700lux | |
| | 135fc | 1208fc | 520fc | 270fc | 1022fc | 251fc | |
| 7500K | 2m | 14000lux | 155000lux | 78000lux | 33000lux | 135000lux | 27000lux |
| | | 1301fc | 14405fc | 7249fc | 3067fc | 12546fc | 2509fc |
| | 3m | 6200lux | 69000lux | 30000lux | 14000lux | 58000lux | 12000lux |
| | | 576fc | 6413fc | 2788fc | 1301fc | 5390fc | 1115fc |
| | 5m | 2400lux | 23800lux | 9800lux | 4900lux | 20000lux | 4500lux |
| | | 223fc | 2212fc | 911fc | 455fc | 1859fc | 418fc |
| 7m | 1250lux | 11800lux | 4900lux | 2600lux | 9900lux | 2350lux | |
| | 116fc | 1097fc | 455fc | 242fc | 920fc | 218fc | |
| 10000K | 2m | 12500lux | 127000lux | 64000lux | 27000lux | 110000lux | 22000lux |
| | | 1162fc | 11803fc | 5948fc | 2509fc | 10223fc | 2045fc |
| | 3m | 5000lux | 57000lux | 24500lux | 11500lux | 47000lux | 10000lux |
| | | 465fc | 5297fc | 2277fc | 1069fc | 4368fc | 929fc |
| | 5m | 1950lux | 19500lux | 8000lux | 4000lux | 16200lux | 3600lux |
| | | 181fc | 1812fc | 743fc | 372fc | 1506fc | 335fc |
| 7m | 1050lux | 9600lux | 4050lux | 2100lux | 8100lux | 1900lux | |
| | 98fc | 892fc | 376fc | 195fc | 753fc | 177fc | |

Continued Table:

| High-speed photography mode | | | | | | | |
|-----------------------------|----------|------------|------------|----------|----------|-------------------|----------|
| CCT | Distance | Bare light | Reflectors | | | CF12 Fresnel Lens | |
| | | | BM7815 | BM7830 | BM7845 | 15° | 45° |
| 15000K | 2m | 9400lux | 105000lux | 52000lux | 22000lux | 90000lux | 18000lux |
| | | 874fc | 9758fc | 4833fc | 2045fc | 8364fc | 1673fc |
| | 3m | 4200lux | 47000lux | 20000lux | 9400lux | 39000lux | 8200lux |
| | | 390fc | 4368fc | 1859fc | 874fc | 3625fc | 762fc |
| | 5m | 1600lux | 15800lux | 6700lux | 3350lux | 13500lux | 3000lux |
| | | 149fc | 1468fc | 623fc | 311fc | 1255fc | 279fc |
| | 7m | 850lux | 8000lux | 3350lux | 1700lux | 6700lux | 1600lux |
| | | 79fc | 743fc | 311fc | 158fc | 623fc | 149fc |
| 20000K | 2m | 8500lux | 95000lux | 47500lux | 20000lux | 82000lux | 16500lux |
| | | 790fc | 8829fc | 4414fc | 1859fc | 7621fc | 1533fc |
| | 3m | 3800lux | 42500lux | 18500lux | 8500lux | 35000lux | 7400lux |
| | | 353fc | 3950fc | 1719fc | 790fc | 3253fc | 688fc |
| | 5m | 1500lux | 14500lux | 6100lux | 3050lux | 12000lux | 2800lux |
| | | 139fc | 1348fc | 567fc | 283fc | 1115fc | 260fc |
| | 7m | 800lux | 7200lux | 3050lux | 1550lux | 6100lux | 1450lux |
| | | 74fc | 669fc | 283fc | 144fc | 567fc | 135fc |

* 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.