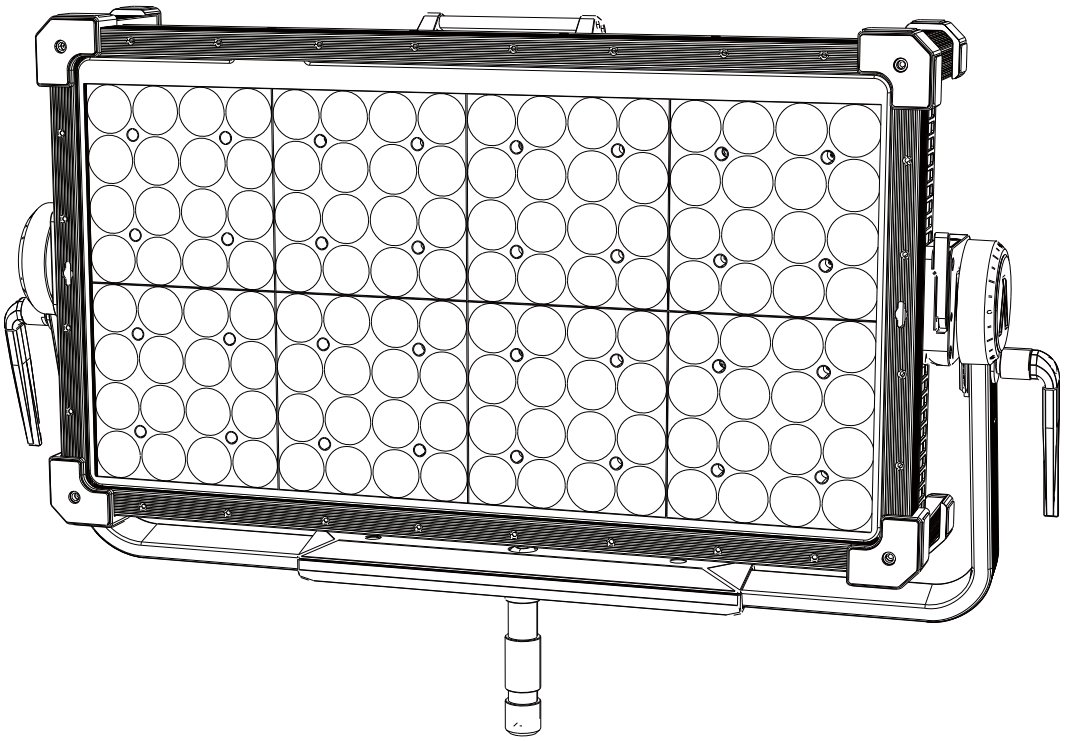
Aputure®



NOVA 9° 2x1

Product Manual

English

Table of Contents

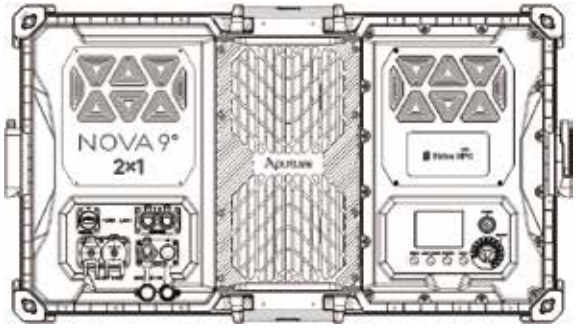
Introduction

Thank you for purchasing the Aputure® "NOVA 9°" series fully tunable white light NOVA 9° 2x1. The NOVA 9° 2x1 features an expanded BLAIR light engine design, offering an expanded CCT range (1800K–20000K) and additional hues. In CCT mode, it supports both Daylight Mode and Blackbody Curve Mode, along with a full G/M adjustment. It also supports HSIC+ and xy color output, FX lighting effects and a variety of professional control protocols, including DMX512-A/RDM, LumenRadio CRMX, Art-Net, sACN and Aputure's Sidus BT.

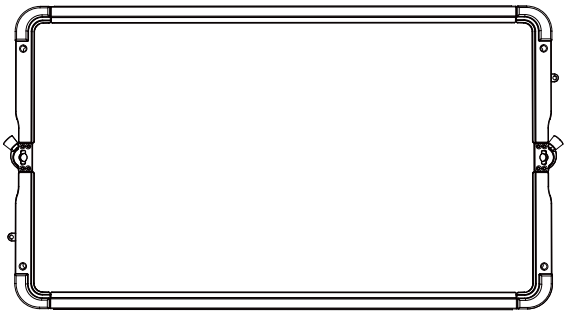
With its IP65-rated dust and water resistance and Aputure's proprietary stackable front accessory mounting design, the NOVA 9° 2x1 delivers a comprehensive and professional lighting solution. It is compatible with a new set of light modifying accessories including the Flat Diffuser, Dome Diffuser, Softbox, Space Light, Fabric Grid as well as the Barn Doors—empowering you with true creative freedom.

Components List

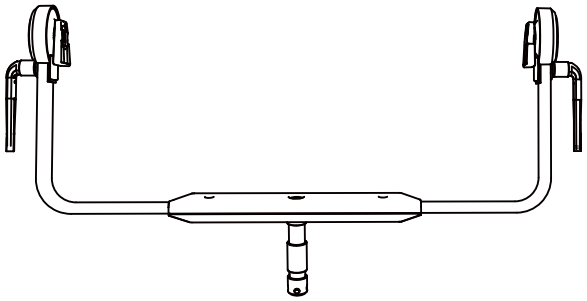
Before using this product, please check that all of the following items are included in the package. If any are missing, please contact your dealer.



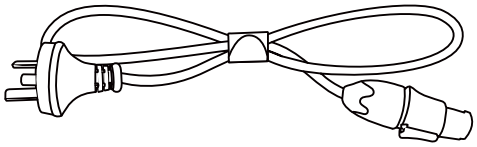
NOVA 9° 2x1 Lamp Head x1



NOVA 2x1 Flat Diffuser x1



NOVA 2x1 Removable Yoke x1



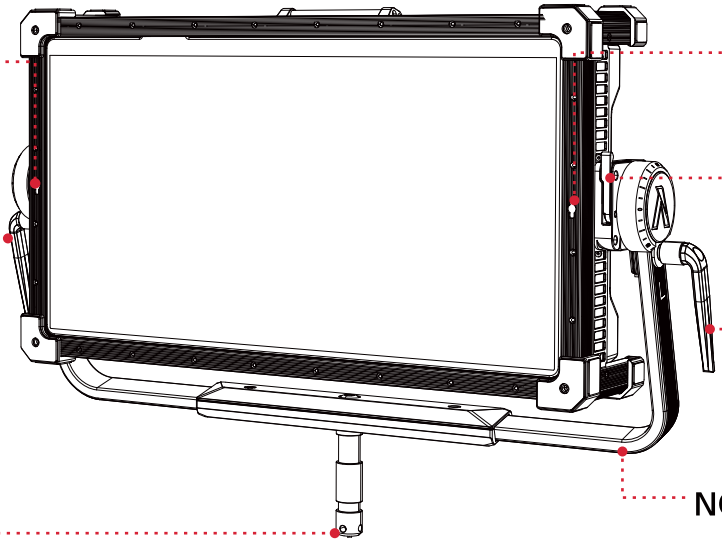
AC Power Cable - 6m x1

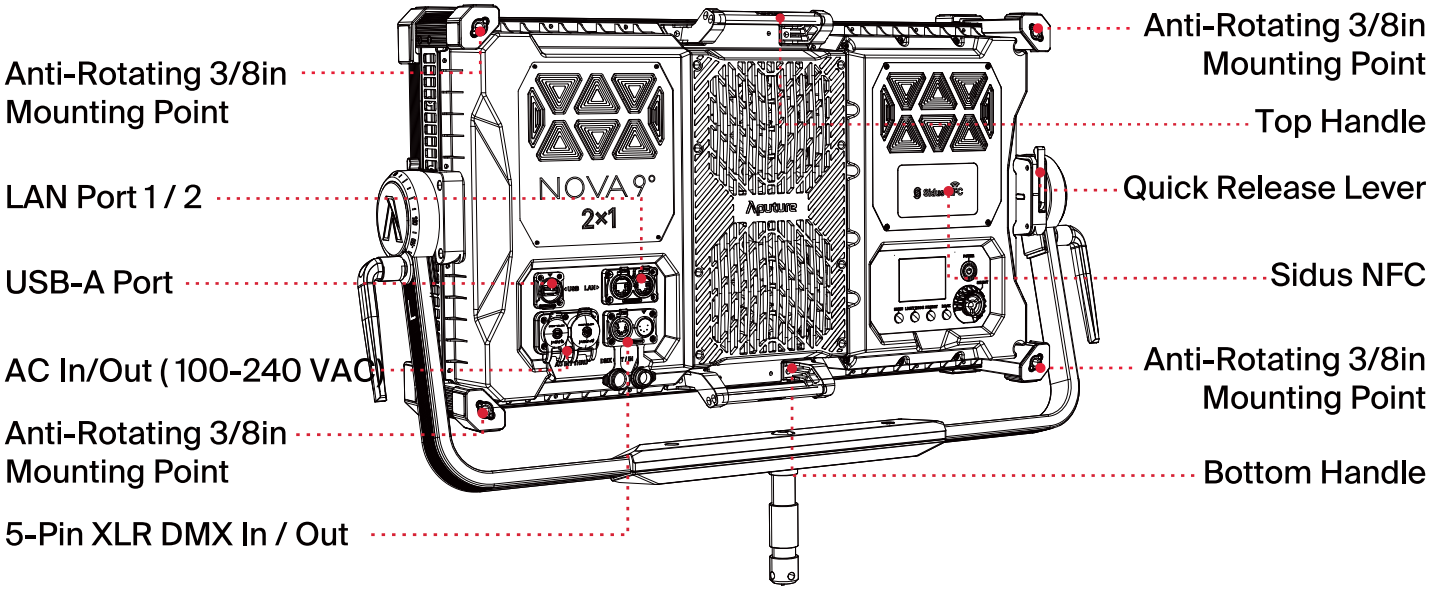
Safety Chain for Accessories (50cm)

* *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.*

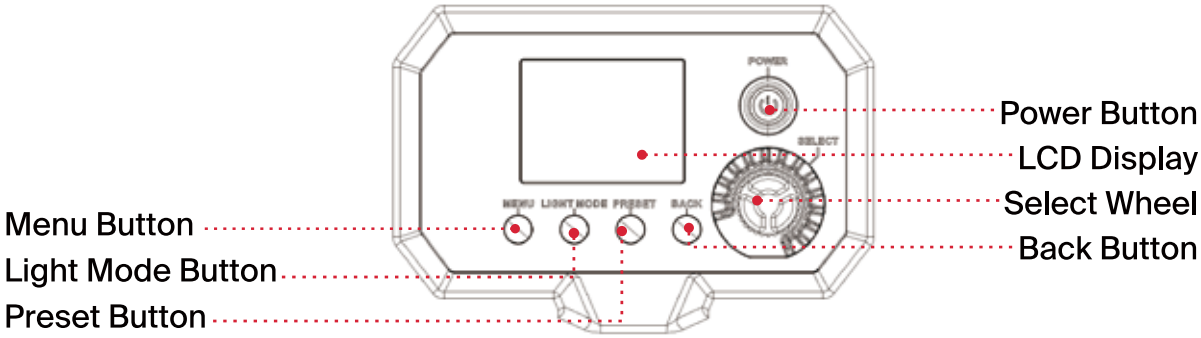
Product Overview

Lamp Head

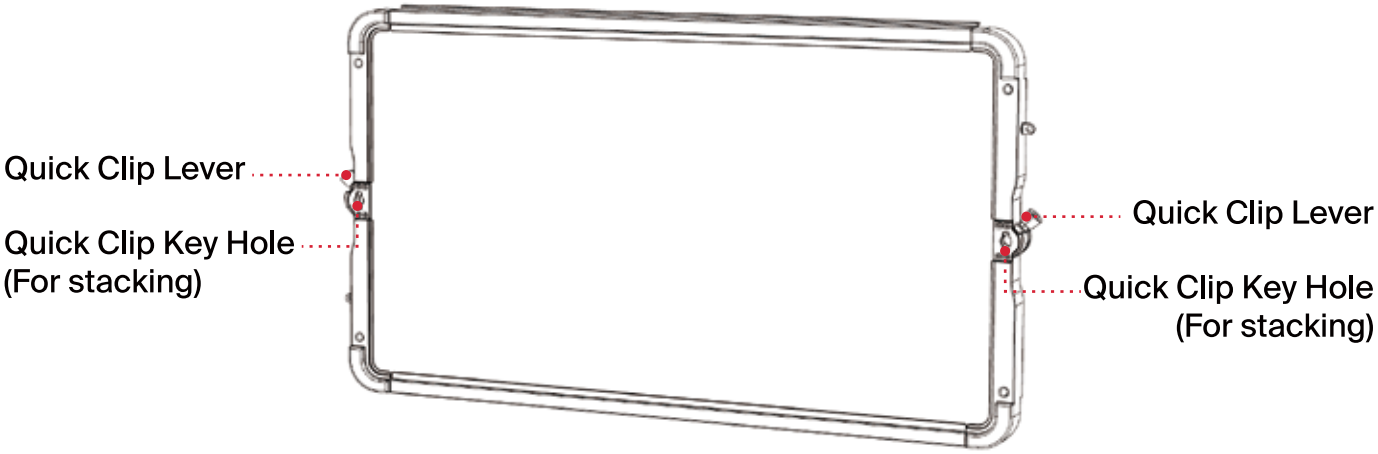


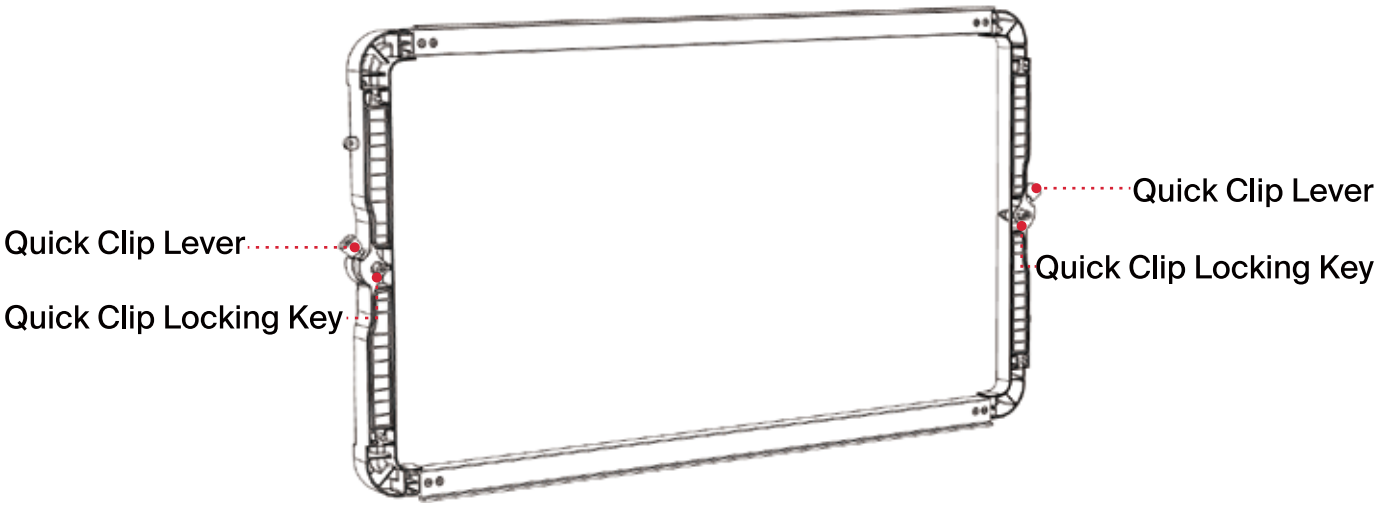


2. Control Panel



3. Flat Diffuser



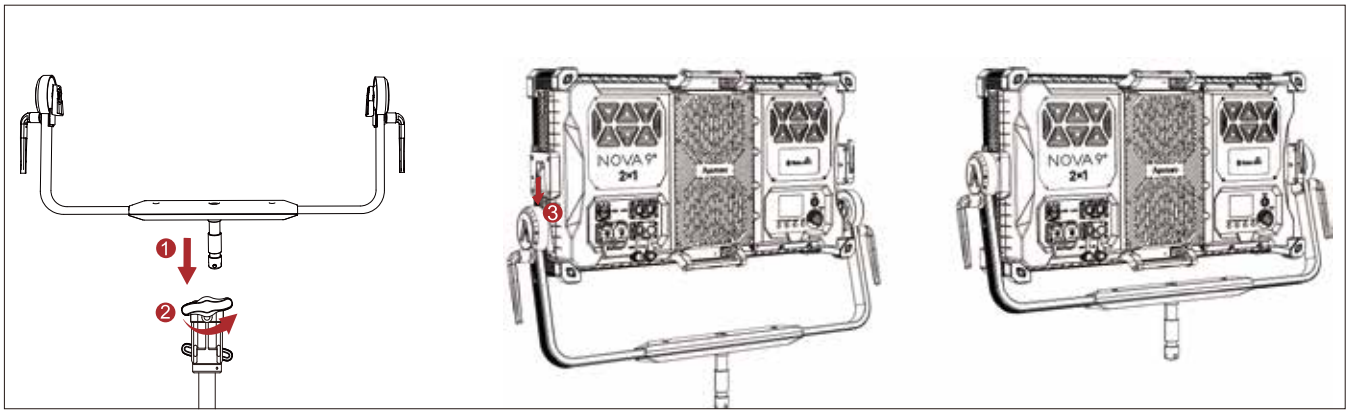


Setup

1. Attaching/Detaching the NOVA 2x1 Removable Yoke with Junior Pin

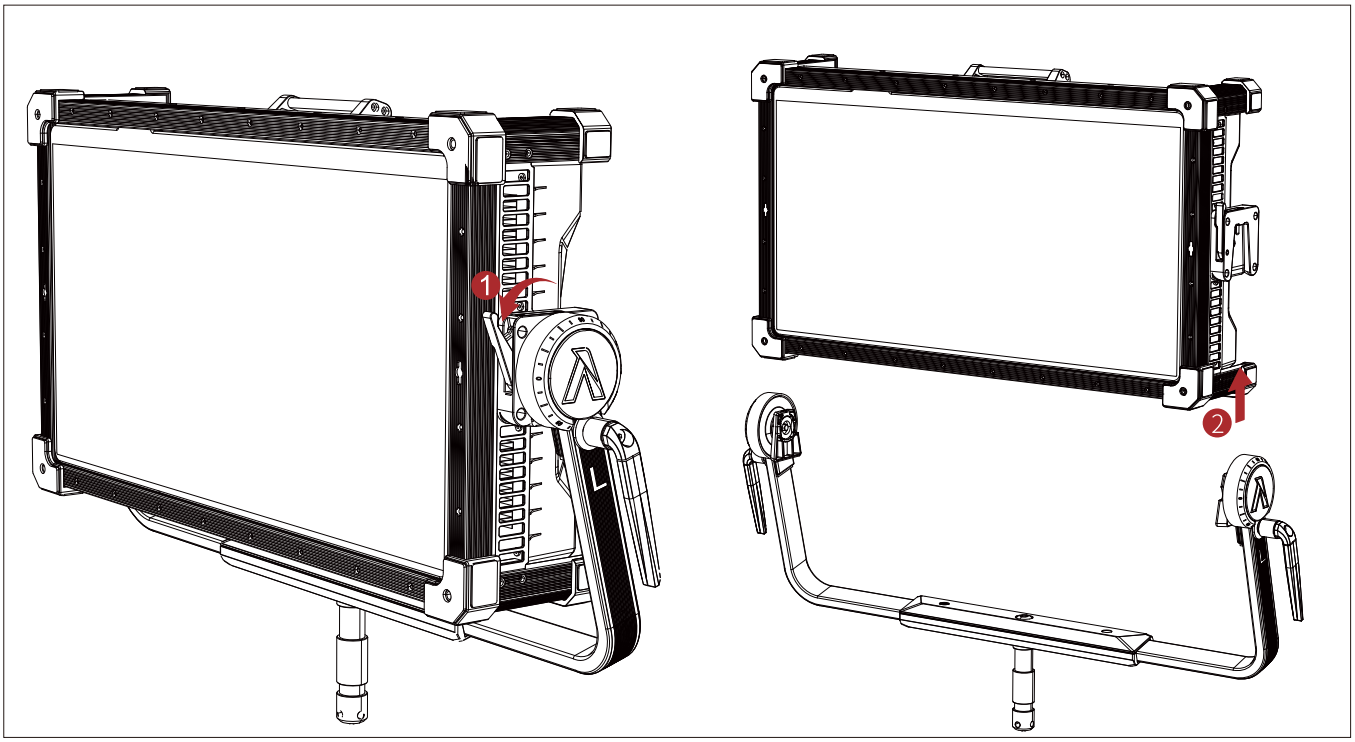
Attaching the Yoke

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.



Detaching the Yoke

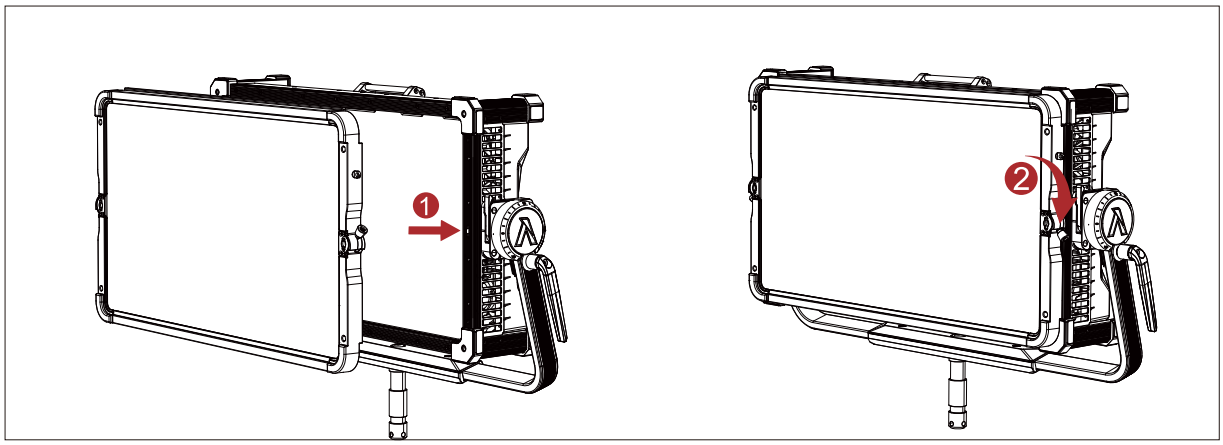
While holding the Carrying Handle of the lamp, turn the Quick Release Lever on both sides of the yoke until they unlock. Lift the Lamp Head upwards to remove it from the yoke.



2. Attaching / Detaching the Flat Diffuser

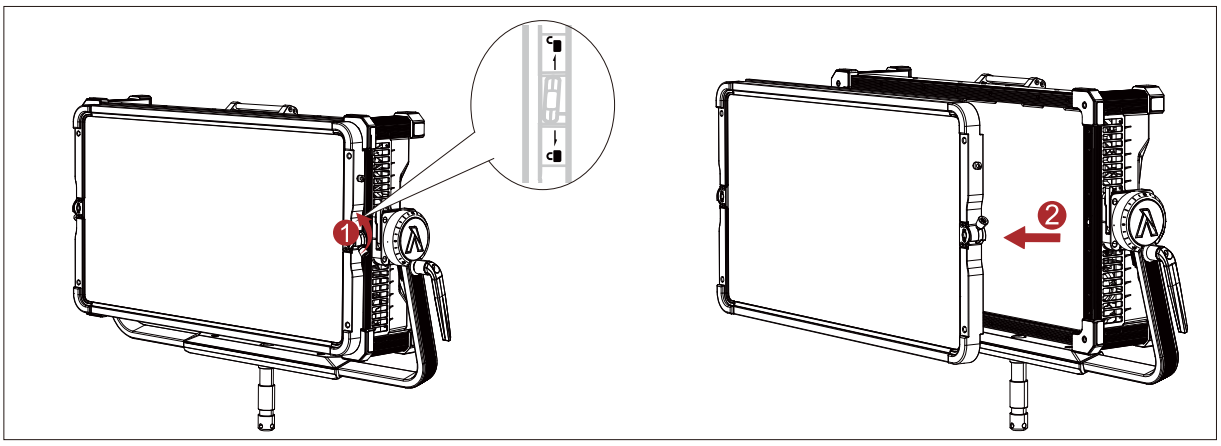
Attaching the Flat Diffuser

Ensure the Quick Clip Lever is in the “Open” position indicated on the frame of the Flat Diffuser. Align the left/right side Quick Clip Locking keys with the matching openings on the Lamp Head, insert the Flat Diffuser, and push the Quick Clip Levers on both sides into the “Locked” position.



Detaching the Flat Diffuser

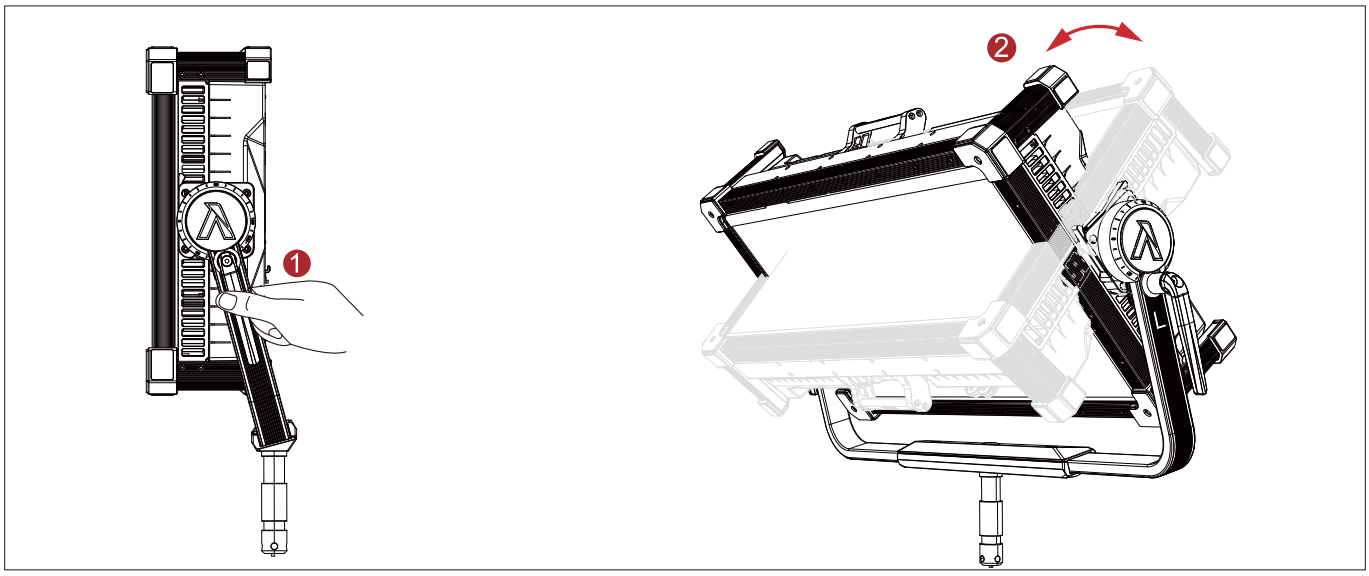
Pull the Quick Clip Levers and push them into the “Open” position indicated on the frame of the Flat Diffuser. Pull the Flat Diffuser away from the Lamp Head.



Note: *In order to ensure the Quick Release Lever does not interfere with the Quick Clip Lever, ensure the Quick Clip accessories are installed in the orientation that the locking levers are in the lowered position when locked.*

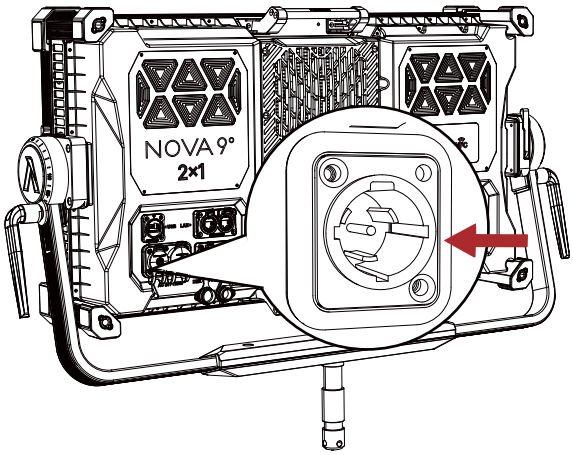
3. Setting Up the Lamp Head

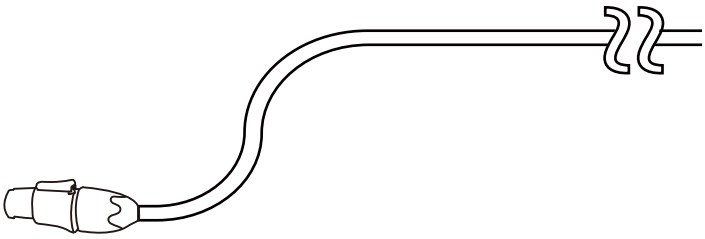
Loosen or tighten the disc brake handle on the yoke to adjust the fixture's angle of tilt.



4. Powering Up the Lamp Head

NOVA 9° 2x1 supports a full AC voltage range operation from 100V AC to 240V AC 50/60Hz.





Mains Power Supply

Before operating the fixture, verify that your power supply can support the maximum draw of the NOVA 9° 2x1 (800W).

- Safety Check: Ensure your AC outlet and cabling meet local electrical specifications.
- Protection Mechanism: If the power supply is insufficient or out of specification, the fixture's internal protection will trigger, causing the unit to malfunction or fail to power on.

Power Cable Selection

The NOVA 9° 2x1 includes specific AC power cable based on your region and application. For information on additional cable options or replacements, please contact an authorized Aputure dealer, visit an Aputure Service Center, or go to www.aputure.com.

AC Daisy-Chaining

The NOVA 9° 2x1 features AC IN/OUT ports designed for power linking (daisy-chaining). The system supports a maximum total load of 20A.

To ensure safe operation and prevent circuit overloads, do not exceed the following limits per power run:

Voltage	Max Fixtures per Chain
240V AC	6 Units
120V AC	3 Units

Warning: Exceeding these limits may damage your equipment or pose a fire hazard. Always calculate your total circuit load before connecting multiple fixtures.

5. Setting Up the NOVA 2x1 3-Light Yoke

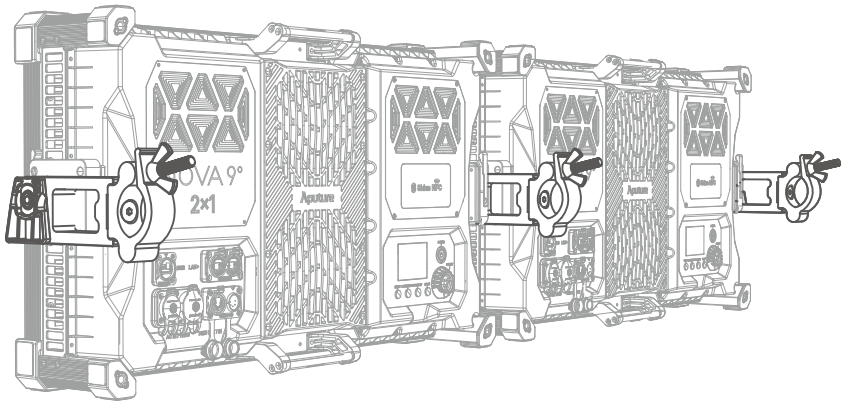
NOVA 9° 2x1 can be configured in an integrated 3-Light vertical layout using the NOVA 2x1 3-Light Yoke.

To mount the fixtures to the NOVA 2x1 3-Light Yoke:

1. Ensuring the Tilt Lock on both sides of the 3-Light Yoke is securely locked, slide the lower fixture into the Quick Release Mounts of the 3-Light Yoke.
2. Secure the fixture by feeding a safety rope through the Bottom Handle and the lower safety rope opening on the 3-Light Yoke.
3. Keep the safety rope as short as possible to ensure optimum protection.
4. Mount the middle fixture the same way as the lower fixture.
5. Mount the upper fixture the same way as the lower and the middle fixture.
6. Check if all Quick Release mounts are in their locked position.
7. In case of wired DMX 512 or Ethernet control, connect two 5-Pin XLR Male to Female/ Ethernet cables from the lower fixture (DMX OUT / LAN 2) to the middle fixture (DMX IN/ LAN 1), and from the middle fixture (DMX OUT / LAN 2) to the upperfixture (DMX IN/ LAN 1).
8. Connect the 20A AC Power Cable to the lower fixture, and two AC Power Passthrough cables from the lower fixture (AC OUT) to the middle fixture (AC IN), and from the middle fixture (AC OUT) to the upper fixture (AC IN).

6. Rigging Options

Dual Quick Release to Clamp Adapter



Each lighting fixture must be secured from falling with a suitable safety chain.

The accessory is designed to support compatible Aputure NOVA fixtures with up to two Quick Clip accessories attached to it. DO NOT attach total load that exceeds 30kg (66lbs).

Rotating the pre-installed Clamp:

1. Loosen and remove the M10 Hex bolt holding the clamp to the adapter.
2. Lift and rotate the clamp 90° into a required orientation, ensuring the clamp is seated securely into the groove of the adapter.
3. Insert and fasten the M10 Hex bolt with 50Nm / 37 ft-lbs torque.

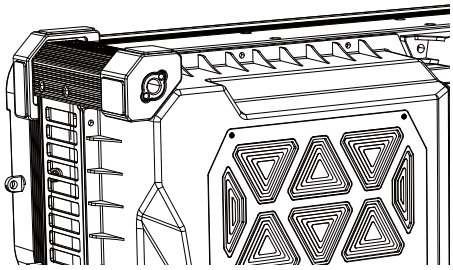
To attach the Dual Quick Release to Clamp Adapter:

1. Place the Lamp Heads on a flat, stable surface.
2. Align the Lamp Heads in a row.
3. Slide both male side Quick Release brackets into the receptacles on the Lamp Head.
4. The Quick Release lock is completely engaged when the lever is fully retracted and the red marking on the lever is not visible.

To detach the Dual Quick Release to Clamp Adapter:

1. Open the Quick Release Levers on the Lamp Heads on either side of the adapter until they are engaged in the fully open position.
2. Press the Dual Quick Release to Clamp Adapter down or lift the Lamp Head to fully disengage the adapter from the Lamp Head(s).

Note: When rigging multiple rows of Lamp Heads on top and bottom of each other, ensure there is a minimum of 5" (12.5cm) vertical room so individual Lamp Head can be removed from the array when required.



Dual Quick Release to Clamp Adapter

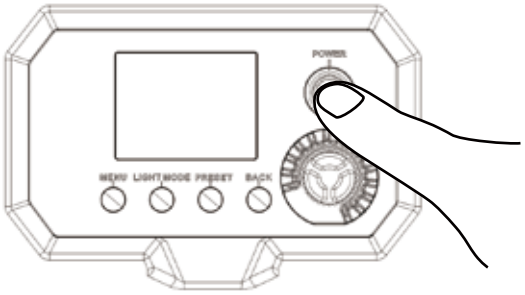
The four Anti-Rotating 3/8in Mounting Points installed on the rear end of four corner columns can be utilized for multiple rigging options including but not limited to:

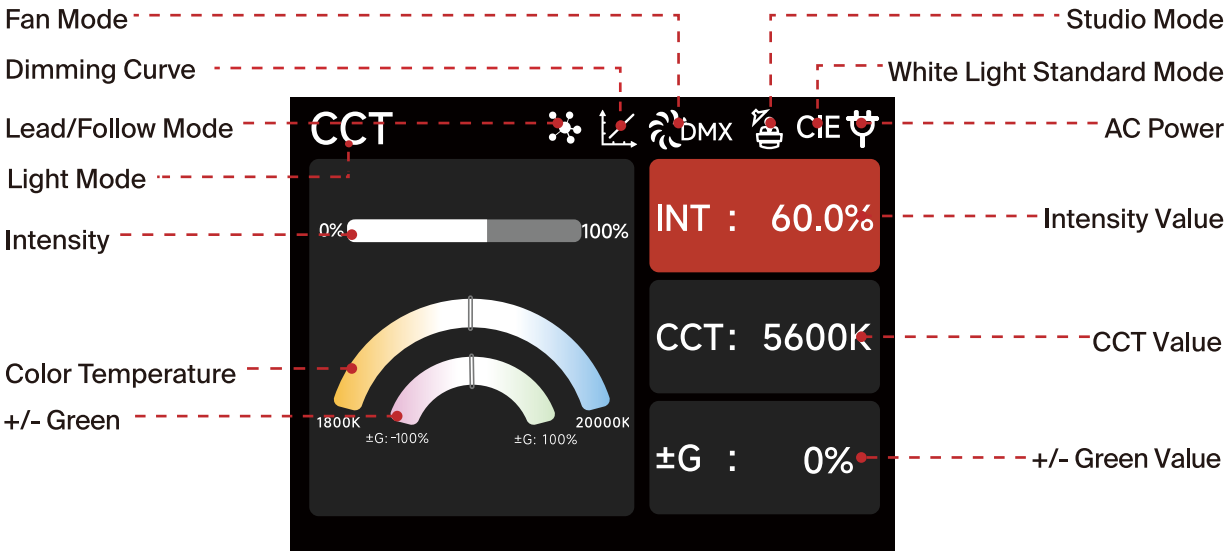
1. Aputure Baby Pin to Anti-Rotating 3/8in Screw Adapter
2. 3rd party clamps with 3/8 inch mounting standard and a 3/8-16 pitch bolt (minimum grade 8.8) with 15mm length.

Each lighting fixture must be secured from falling with a suitable satefy chain.

Operating Instructions

1. Powering On/Off



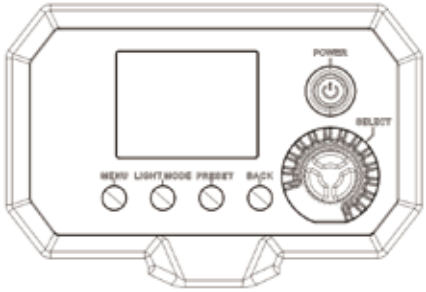


Note: If your fixture has Studio Mode "ON": the Control Box will power on whenever power is supplied to it.

2. Manual Control Interface

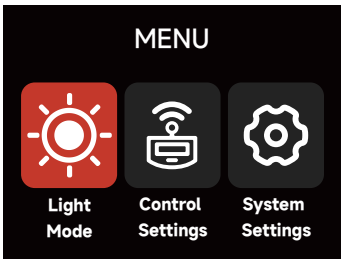
Press the button on the Control Panel to enter the corresponding modes:

MENU, LIGHT MODE and PRESET.



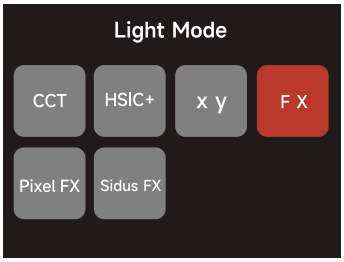
2.1 MENU

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



2.2 Accessing Lighting Modes

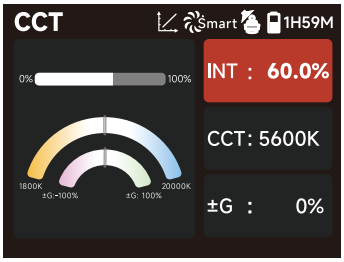
Press the Light Mode Button on the Control Box to enter the Light Mode interface. Choose between CCT, HSIC+, xy, FX, Pixel FX and Sidus FX Modes.



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

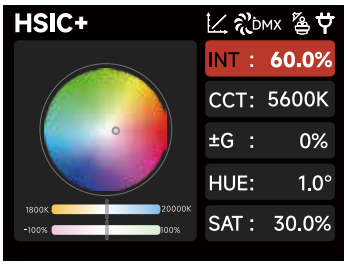
2.2.1 CCT Mode

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



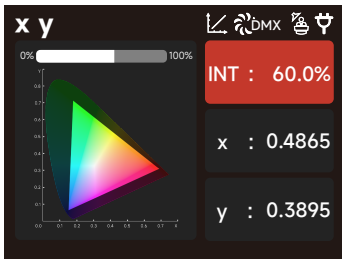
2.2.2 HSIC+ Mode

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



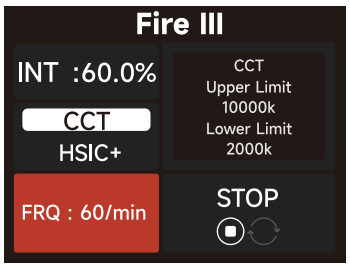
2.2.3 xy Mode

Set the x coordinate value (0.1550-0.6815), y coordinate value (0.0300-0.5500) and the Intensity.



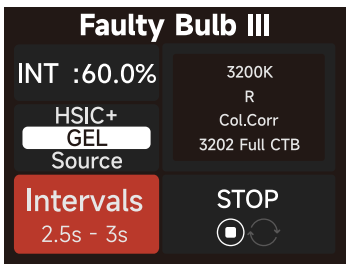
2.2.4 FX Mode

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

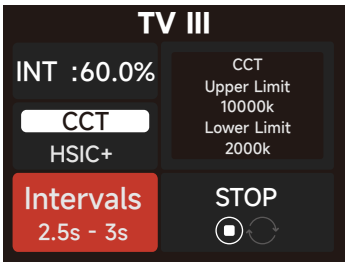


Fire Mode

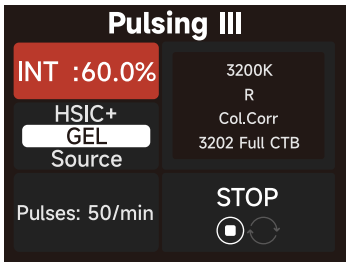
Paparazzi Mode



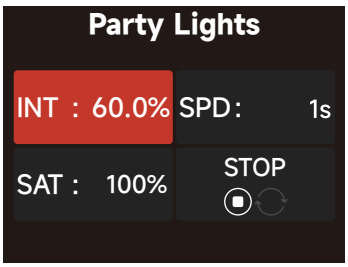
Faulty Bulb Mode



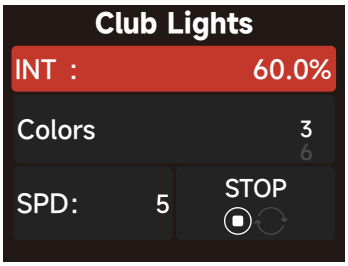
TV Mode



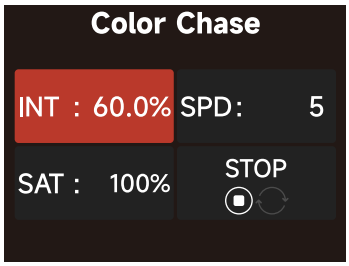
Pulsing Mode



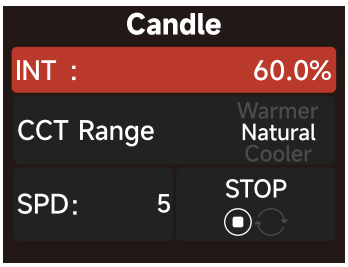
Party Lights Mode



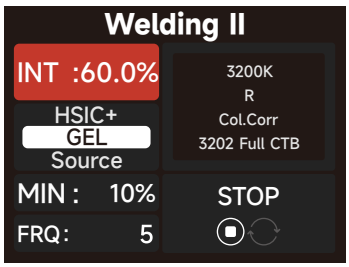
Club Lights Mode



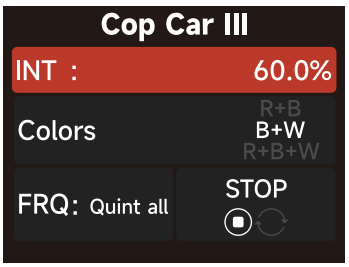
Color Chase Mode



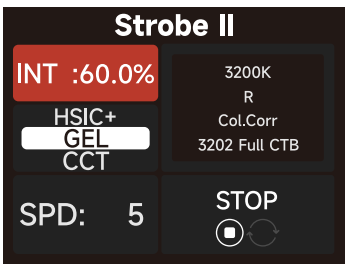
Candle Mode



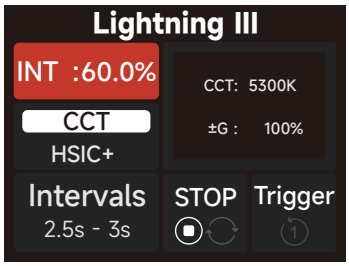
Welding Mode



Cop Car Mode

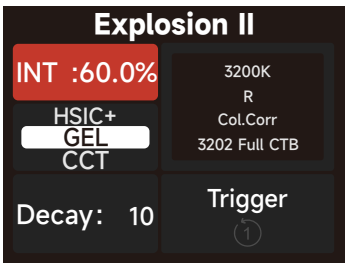


Strobe Mode



Lightning Mode

Fireworks Mode



Explosion Mode

2.2.5 Pixel FX

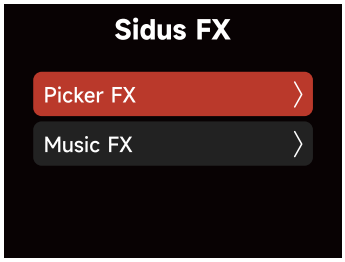
Select between two Pixel FX modes: Color Cycle and Color Fade.

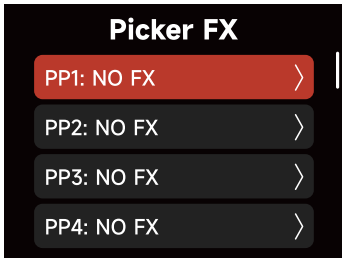
These two Pixel FX provide more options to utilize the four pixels that NOVA 9° 2x1 has.

2.2.6 Sidus FX Mode

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.

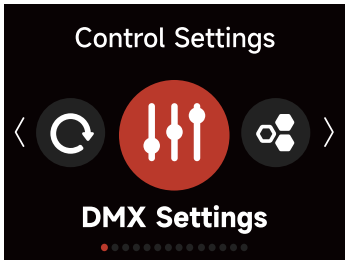
The suffix "NO FX" indicates that no light effect has been saved.





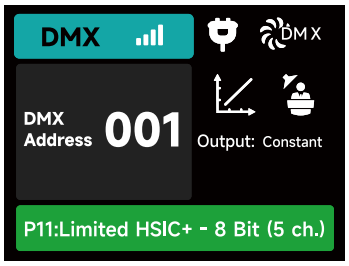
2.3 Control Settings

Choose between: DMX Settings, CRMX Settings, Sidus BT Settings and Ethernet Settings.



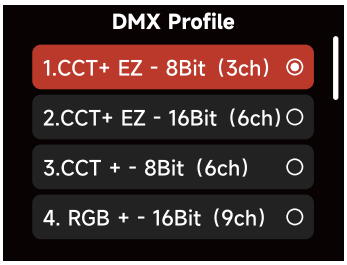
2.3.1 DMX Settings

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



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.



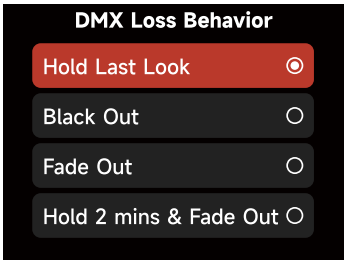
4）DMX Loss Behavior - Choose from the following options:

I. Hold Last Look: When DMX signal is lost, DMX values will be retained until signal is regained.

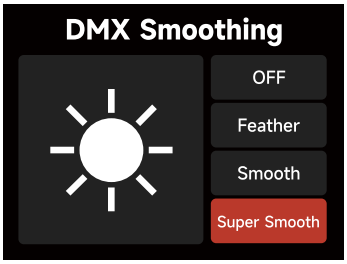
II. Black Out: When DMX signal is lost, the light will black out.

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

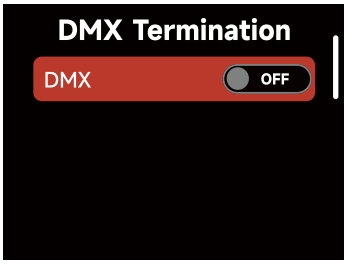
IV. Hold 2 min.& Fade Out: When DMX signal is lost, the DMX values are retained for two minutes before fading out over a duration of 60 seconds.



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

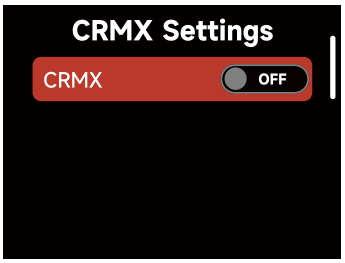


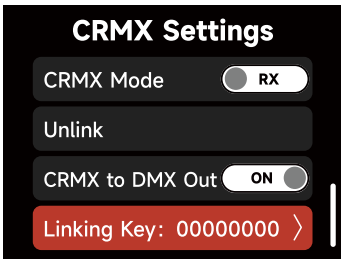
6）DMX Termination: Turn ON (to help with DMX signal reflection) or OFF.



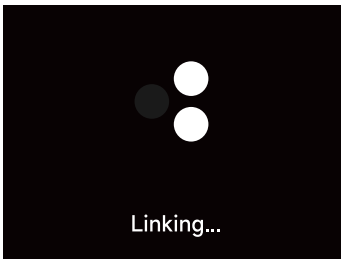
2.3.2 CRMX Setting

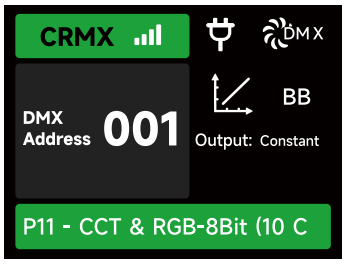
Turn CRMX ON or OFF.



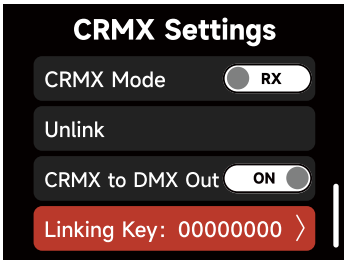


1) When CRMX is ON, the fixture will listen for its previously linked Transmitter. If the fixture is currently unlinked, it will listen for a Transmitter link signal and link to any new CRMX link signal. Users can Unlink from previously linked Transmitters by selecting Unlink. Once a CRMX Link is established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

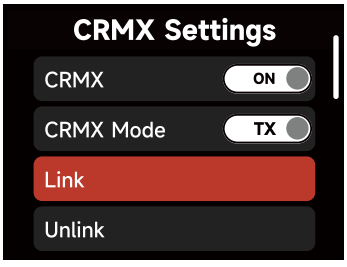




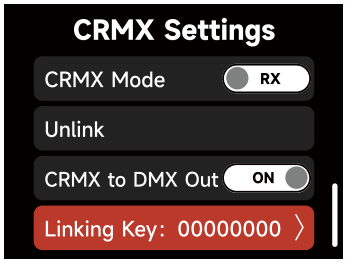
2) When in CRMX RX Mode, if CRMX to DMX Out is "ON", DMX data is pushed out of the DMX Out Port. If CRMX to DMX Out is "OFF", no data is pushed out of the DMX Out Port.

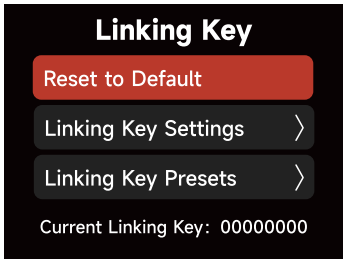


3) When utilizing CRMX TX Mode, the Control Box can transmit DMX data to CRMX receivers.

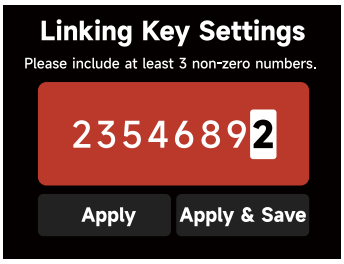


4) While acting as a CRMX TX, the Control Box can have a Linking Key for RX's to link to.

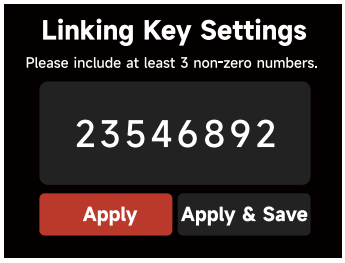


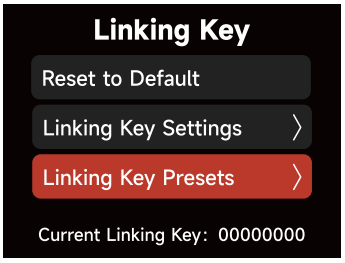


I. In the Linking Key interface, choose an 8 digit number to be the Linking Key. Three digits cannot be "0".

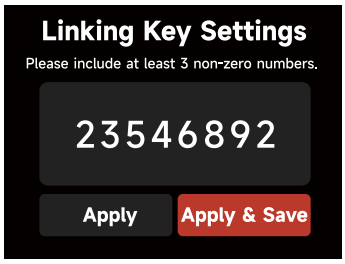


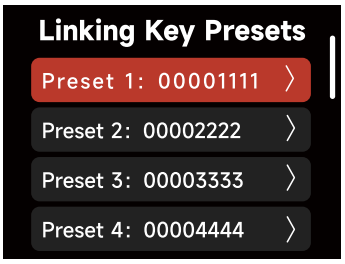
II. Choose "Apply" to set the Linking Key. Presets can be saved for future use by selecting "Apply & Save".



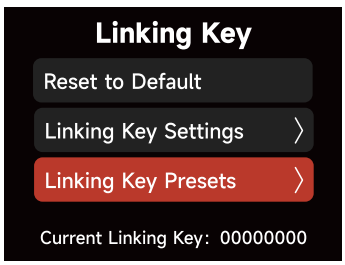


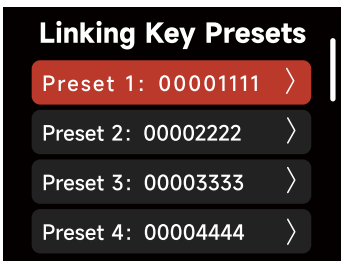
III. Save 10 Presets in total.

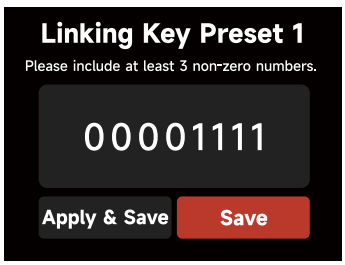




IV. In the Linking Key Preset interface, save up to 10 Presets by choosing "Save" or set the Control Box's Linking Key and save it as the selected Preset by choosing "Apply and Save".

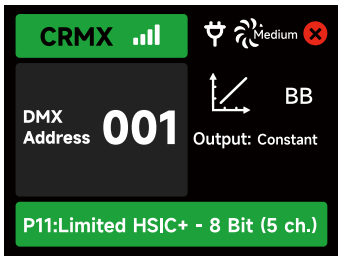






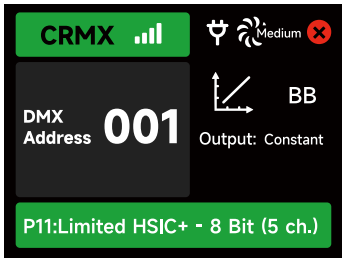
5）CRMX RX (Receiving) Status

I. 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.

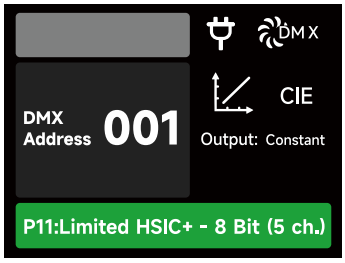


Signal Strength

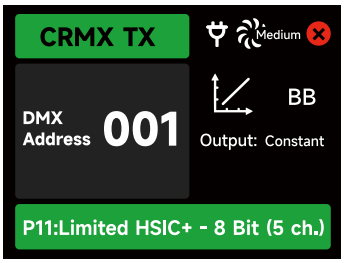
II. CRMX Signal is good and DMX data is present.



III. No DMX data present.

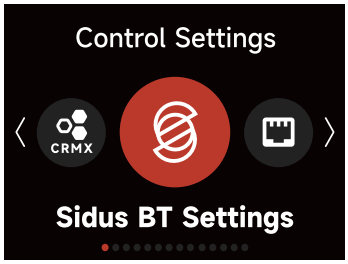


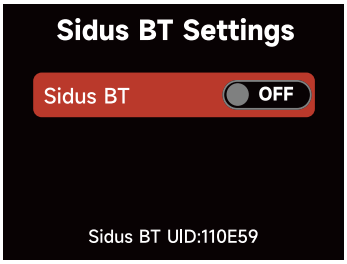
IV. The Control Box CRMX RX is out of range of its TX. Check that the TX is powered On and within range.



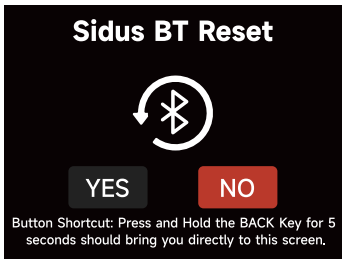
2.3.3 Sidus BT Settings

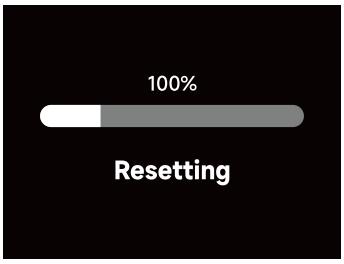
1）Turn Sidus BT ON or OFF in the Sidus BT settings.

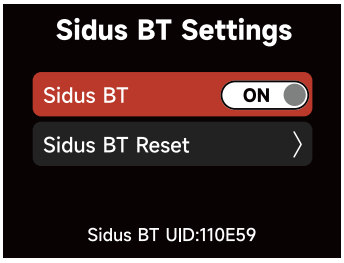




2）When Sidus BT is ON: The Sidus BT UID is displayed here to facilitate connecting with the Sidus Link Pro and Sidus Link Apps. Use Sidus BT Reset to allow your Sidus Link device to connect with a new controller. If Sidus BT fails to reset, a "Reset Failed" warning will pop up before returning to the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

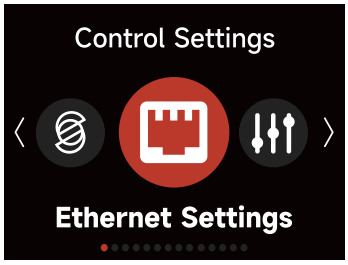


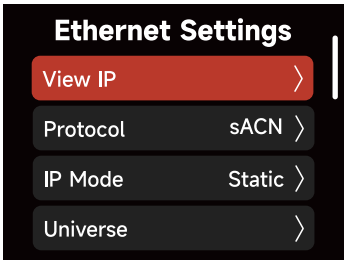


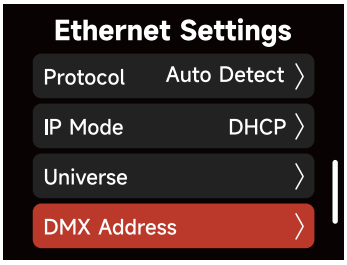


2.3.4 Ethernet Settings

View and edit Ethernet Settings.

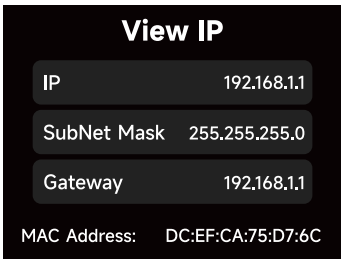






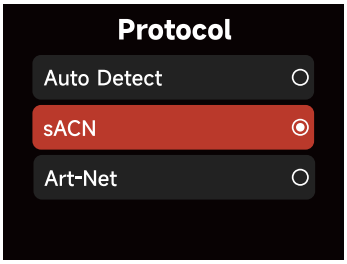
2.3.4.1 View IP

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.



I. **Auto Detect**: Identifies the Control Protocol automatically.

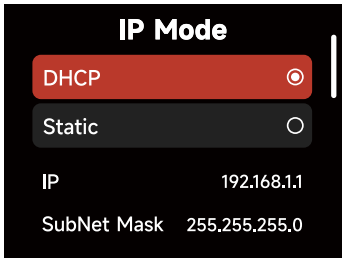
II. **sACN**: Recognizes the sACN Protocol only and ignores Art-Net.

III. **Art-Net**: Recognizes the Art-Net Protocol only and ignores sACN.

2.3.4.3 IP Mode

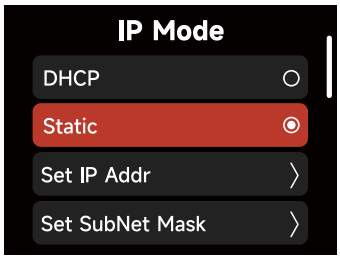
1) **IP Mode DHCP:**

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.

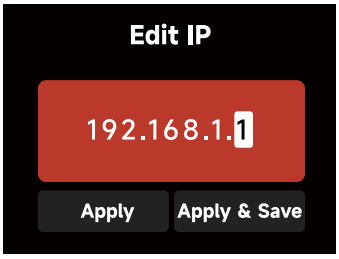


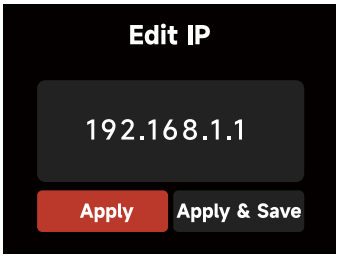
2) **IP Mode Static:**

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

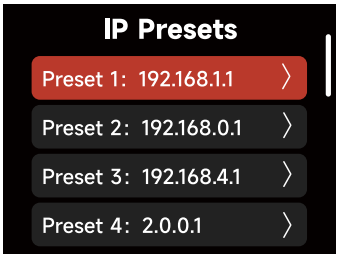


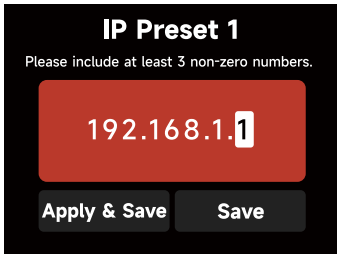
I. In the Presets interface, Select a Preset to edit or apply.





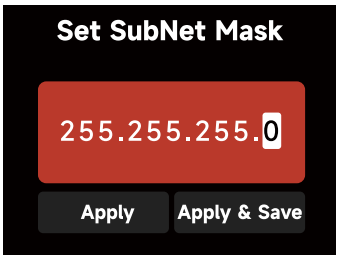
Presets can be edited and saved without applying them to the Control Box's current IP settings. (save 10 IP Presets in total)



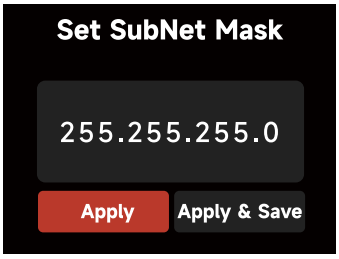


II. Set SubNet Mask

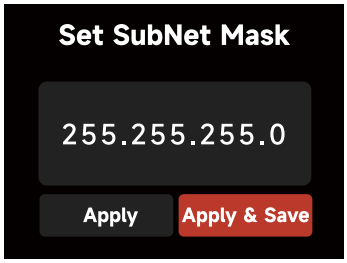
Using the Select Wheel, edit the SubNet Mask information for the Control Box. Use the "BACK Button" to Exit the interface.

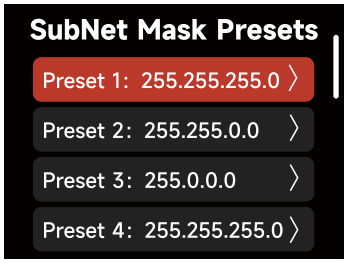


Presets can be saved for future use by selecting "Apply & Save".

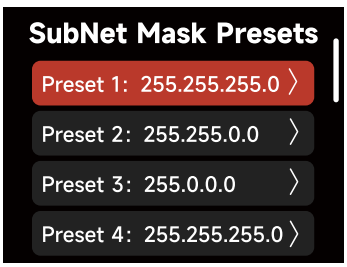


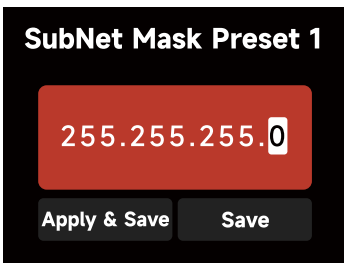
Presets can be edited and saved without applying them to the Control Box's current IP settings. (save 10 SubNet Mask Presets in total)



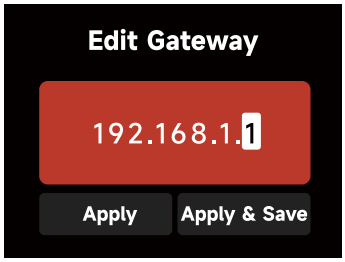


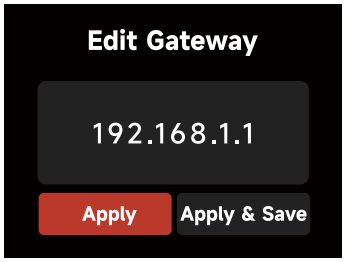
In the Presets interface, Select a Preset to edit or apply.



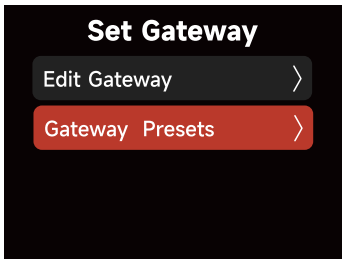


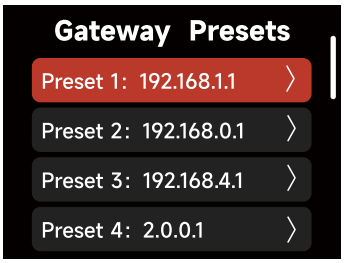
III. In the Presets interface, Select a Preset to edit or apply.

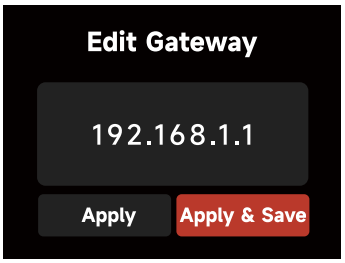




Presets can be edited and saved without applying them to the Control Box's current IP settings. (save 10 SubNet Mask Presets in total)

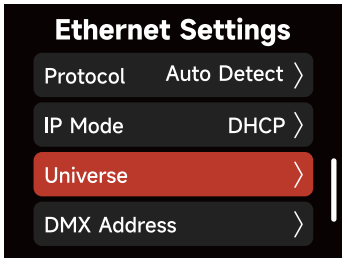


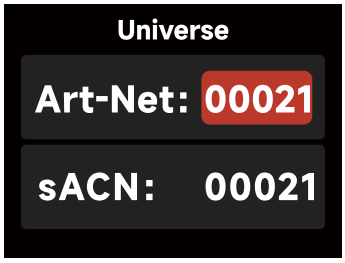


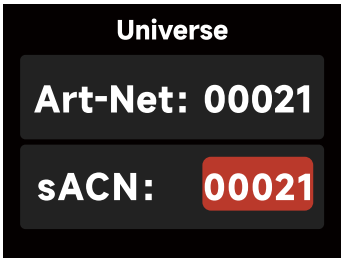


2.3.4.4 Universe

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







2.3.4.5 DMX Address

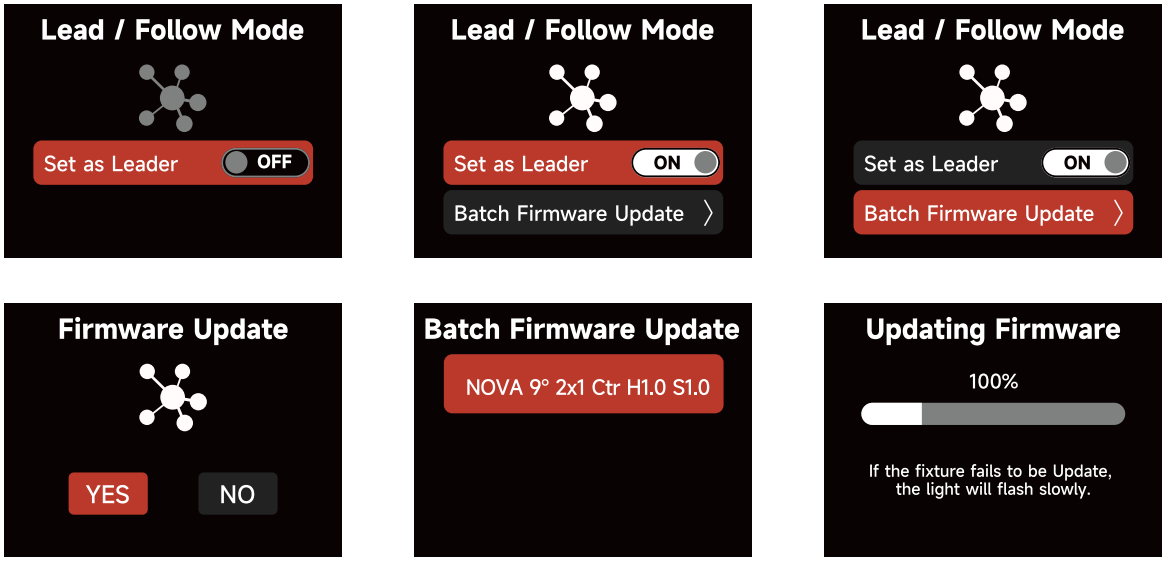
Set the DMX Address.

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.

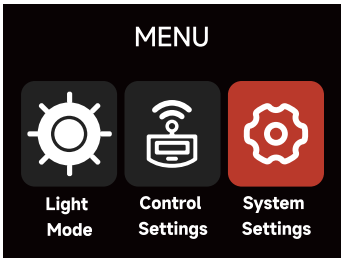
Batch upgrades of the firmware from a USB drive in the Leader's port is also possible.



** The leader fixture should be connected with the followers via DMX to enable this function.*

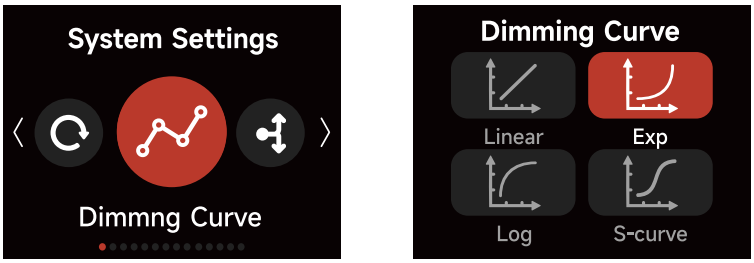
2.4 System Settings

System Settings include: Dimming Curve, Power And Output, White Light Standard, Accessory Calibration, Fan Mode, Studio Mode, Screensaver, Language, Product Info, Firmware Update and Factory Reset



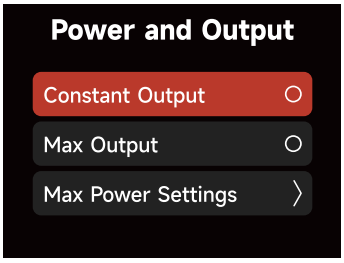
2.4.1 Dimming Curve

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



2.4.2 Power and Output

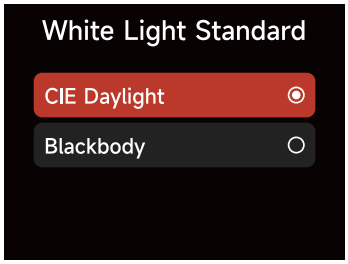
settings interface. In the output settings, you can make the following adjustments:



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.
3) **Power and Output:** Set the maximum output power of the fixture according to the output capacity of the power supply system.

2.4.2 White Light Standard

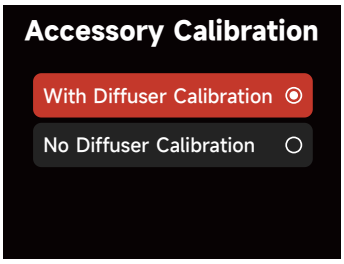
1) **CIE Daylight:** Meets the Sunlight Standard: (5000K-10000K, Duv is controlled at 0.0020~0.0040).
2) **Blackbody:** Meets the Blackbody Luminescence Standard (Duv is controlled near the blackbody trajectory line).



2.4.3 Accessory Calibration

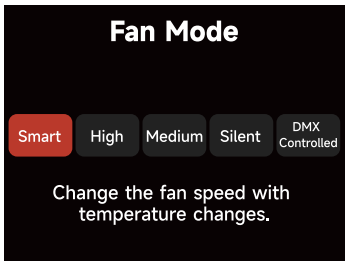
The NOVA 9° 2×1 includes an Accessory Calibration Mode designed to maintain accurate color temperature and color quality when used with or without diffusion accessories. This calibration adjusts for the optical characteristics of diffusion materials to ensure consistent color output.

1) **With Diffuser Calibration (Default):** Select this mode to maintain accurate white light when using diffusion accessories such as a Flat Diffuser, Dome Diffuser, Softbox, or Space Light.
2) **Without Diffuser Calibration:** Select this mode to maintain accurate white light when operating the fixture without any diffusion accessories attached.



2.4.4 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°C/-4°F through 50°C/122°F environment. The lamp will automatically adjust the fan speed according to different ambient temperatures.
2) **High:** Able to work in -20°C/-4°F through 45°C/113°F environment. The fan will maintain its highest speed.

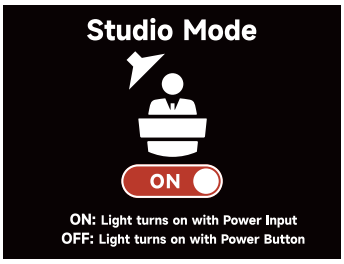
*In High-Speed Mode, the fan uses the High Fan setting.

3) **Medium:** Capable of working in -20°C/-4°F through 35°C/95°F environments. Medium is the slowest speed possible for Maximum Output.
4) **Silent:** When working in an environment of -20°C/-4°F–45°C/113°F, the fan stays OFF, but the output of the lamp is limited to 75 W.
5) **DMX Controlled:** Fan listens to the settings sent by the lighting console. See the NOVA 9° 2x1 DMX Chart for details.

2.4.5 Studio Mode

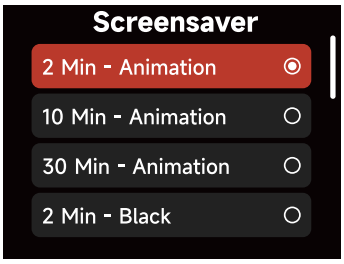
When Studio Mode is ON, the fixture will power on when connected to live power.

When Studio Mode is OFF, press the power button to power on or power off the fixture.



2.4.6 Screensaver

Select the Screensaver time and display behavior.

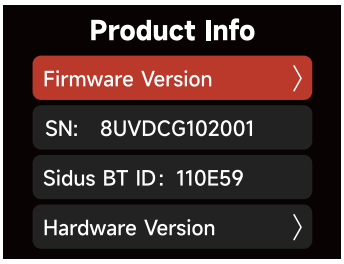


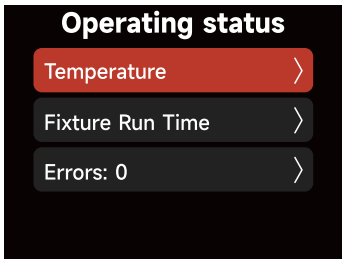
2.4.7 Language

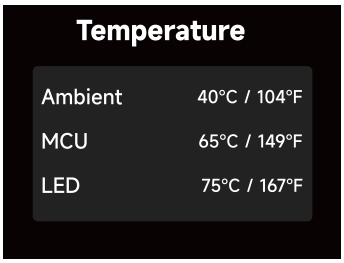
Select between English or Chinese and press the Select Wheel to confirm.

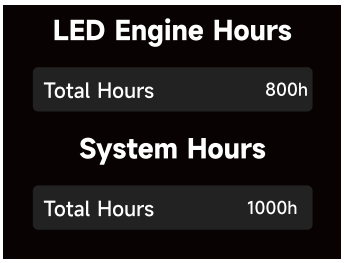
2.4.8 Product Information

1) **Firmware Version:** Display the Firmware Version of the Control Box and attached Lamp Head.
2) **SN:** Serial Number.
3) **Sidus BT ID.**
4) **Hardware Version:** Display the hardware versions of the Control Box and attached Lamp Head.
5) **Operating status:** Display the Temperature, Control Box and attached Lamp Head Run Time and any Error Code.





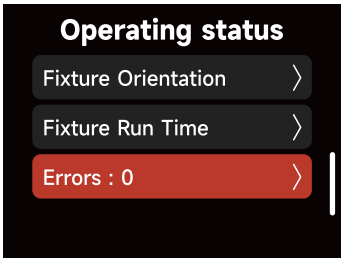




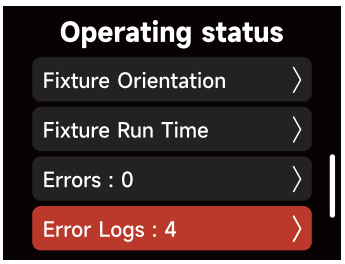
Errors are divided into two categories:

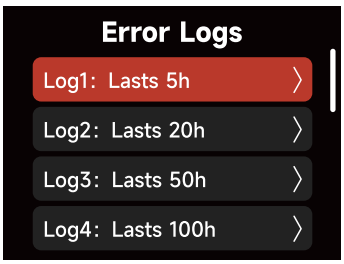
I. **Serious error:** When a serious error occurs, the fixture cannot be used and will be locked for protection. Please respond to the error according to the fault prompt.

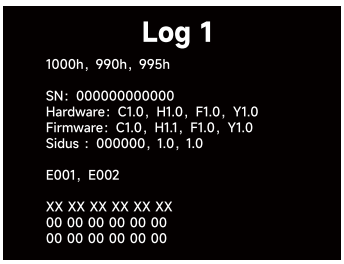
II. **General error:** When a general error occurs, the fixture is still available for use; enter the Product Info interface to view the error details.



III. **Error Log:** Corresponding sensor data for each error, enabling quick and accurate fault diagnosis.



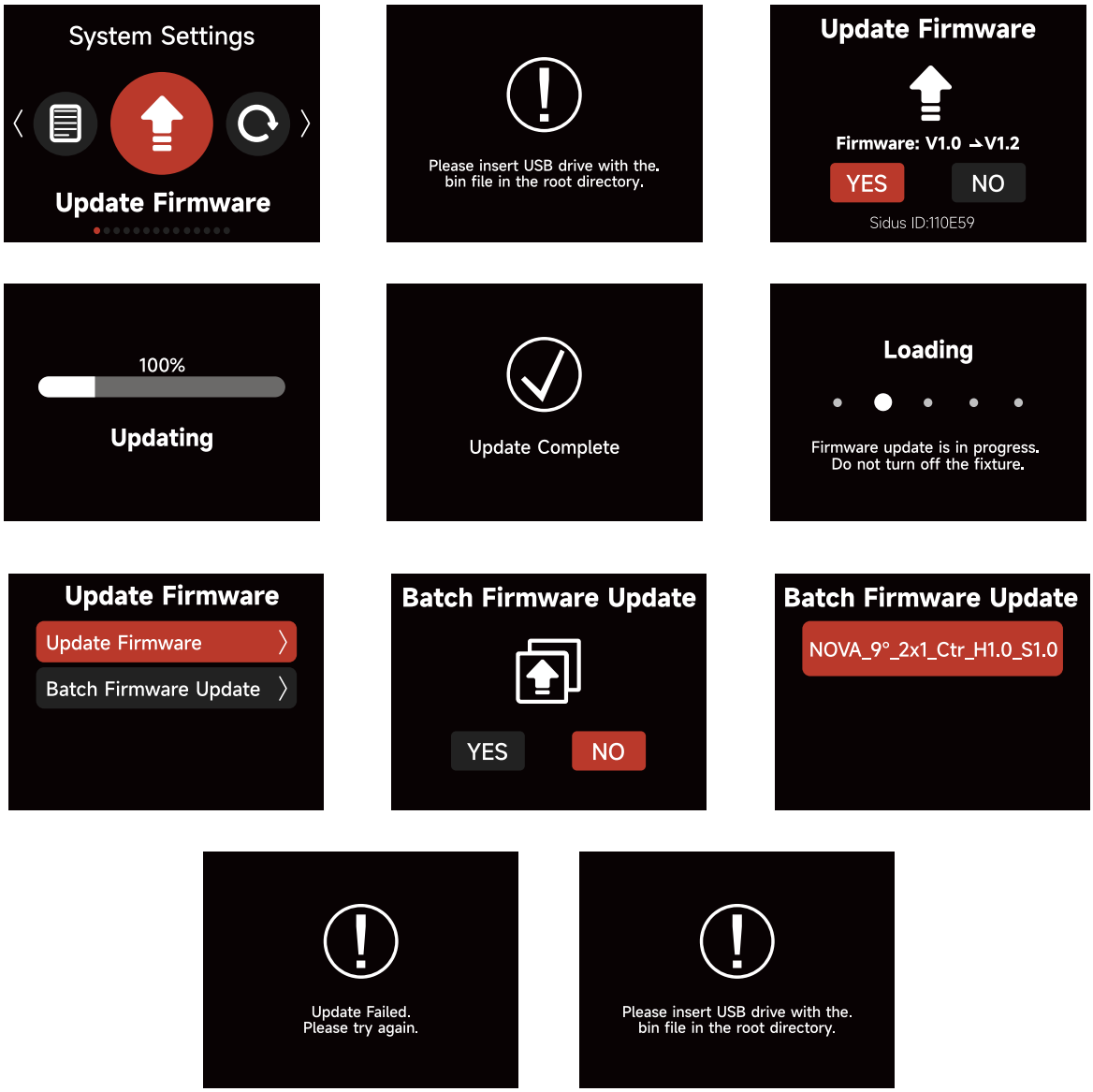




2.4.9 Firmware Update

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 or Sidus Link Pro with Sidus BT turned ON and a Wi-Fi internet connection on your Sidus Link device. Remember to update both the Control Box and the connected Lamp Head with any new firmware.

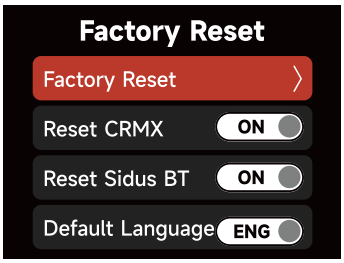


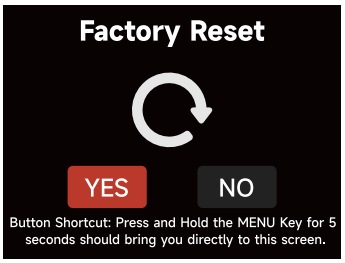
2.4.10 Factory Reset

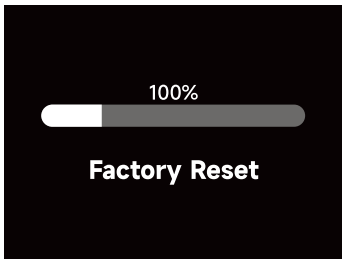
To Factory Reset your fixture, first select if the fixture should have the CRMX and the Sidus BT Settings reset. Also select the default language, then select “YES”. Select "NO" to cancel.Choose to Reset CRMX, Reset Sidus BT, Default Language. Hold the Menu button for 5 seconds to initiate the Factory Reset Shortcut.

Factory Settings	
Light Mode	CCT; Color Temperature : 3200K

ntensity	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 Smooth: Smooth
Ethernet	sACN, IP address : 192.168.2.16, Gateway: 192.168.2.1, Universe : 001

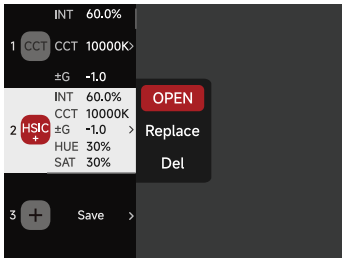






2.5 Presets

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.



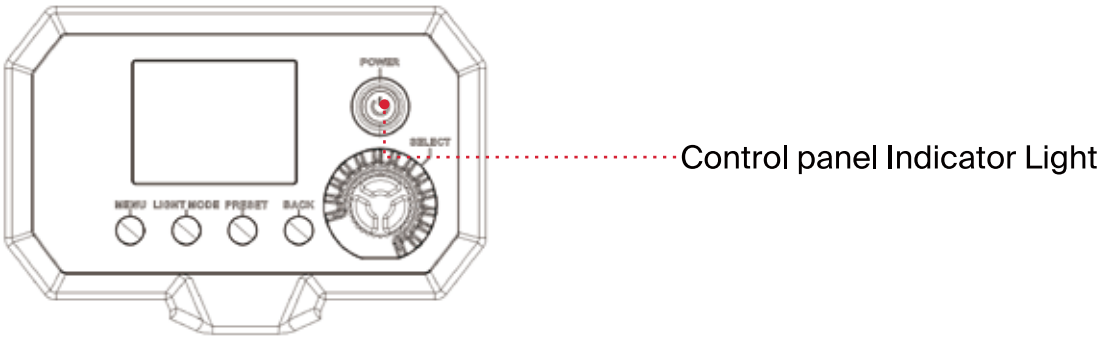
2.6 Status Indicator Icons

Lead/Follow Mode: Follower		Sidus BT Enabled	
Lead/Follow Mode: Leader		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			

2.7 Status Indicator Light

Building on the error codes, the NOVA 9° adds status indicators that allow users to observe and assess the fixture's status from a distance.

Indicator	Status	Description
Control Panel Indicator	Off	Power is not connected, or the AC power supply is damaged
	Red	Power feed is normal, but the control unit is malfunctioning
	Green	Power feed is normal, and the control unit is functioning normally
	Orange	Power feed is normal, but the control unit has detected a product fault

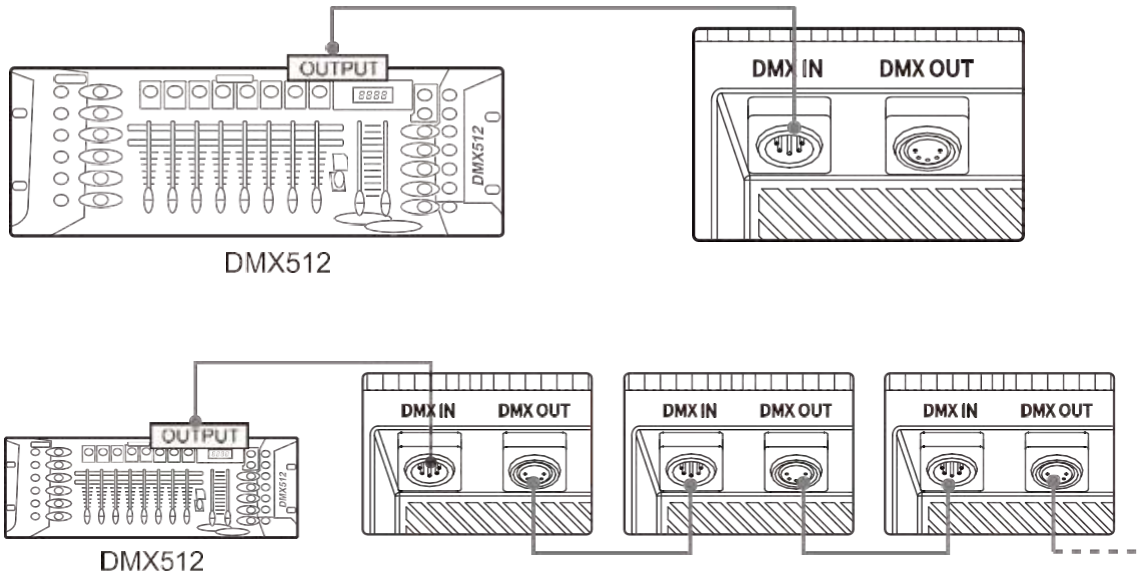


2.8 Shortcut Button

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

3. Control with a DMX Console

Connect the Lighting Console to the NOVA 9° 2x1 DMX IN Port:



4. Controlling via DMX

The NOVA 9° 2x1 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

Sidus Link
& Sidus Link Pro

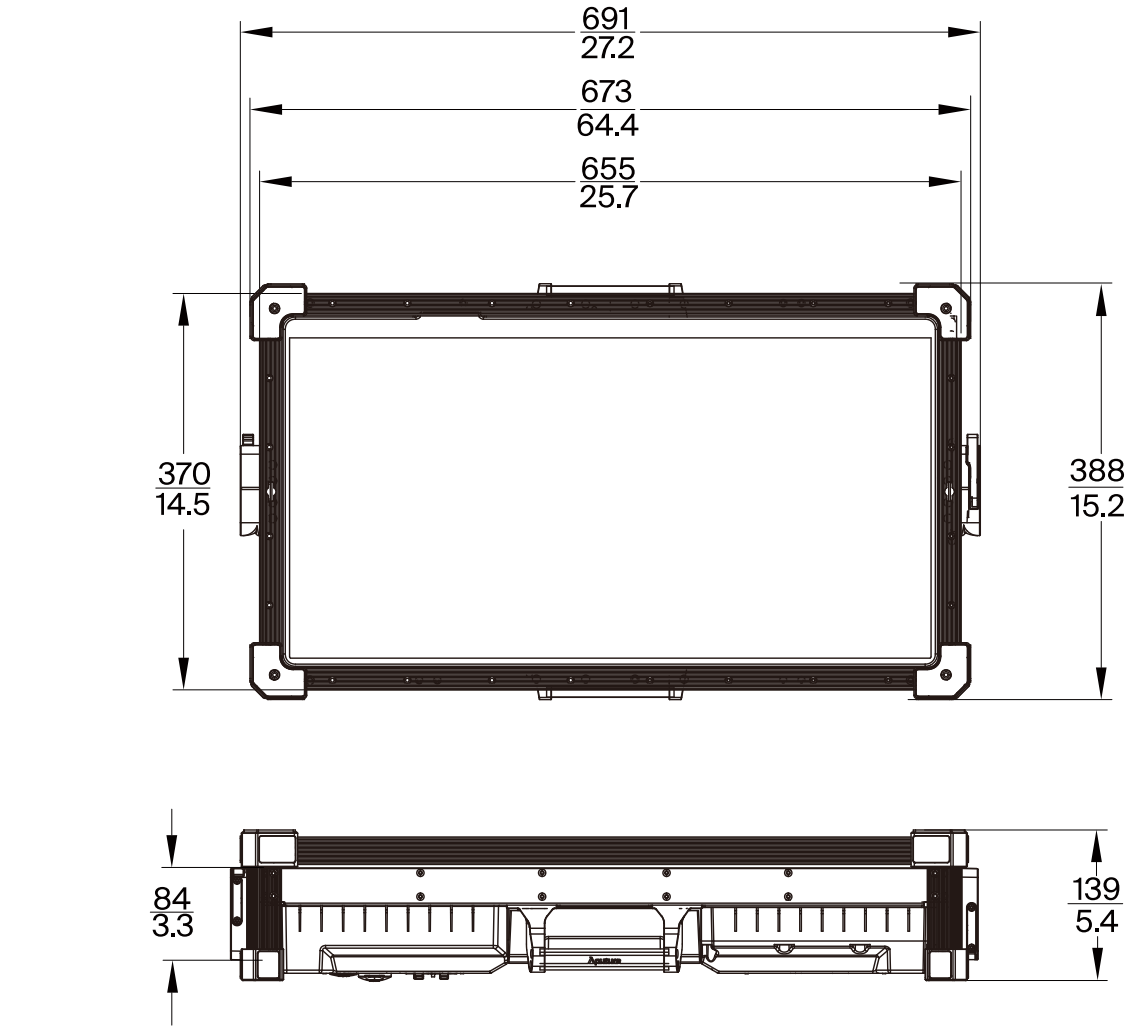
https://help.sidus.link/

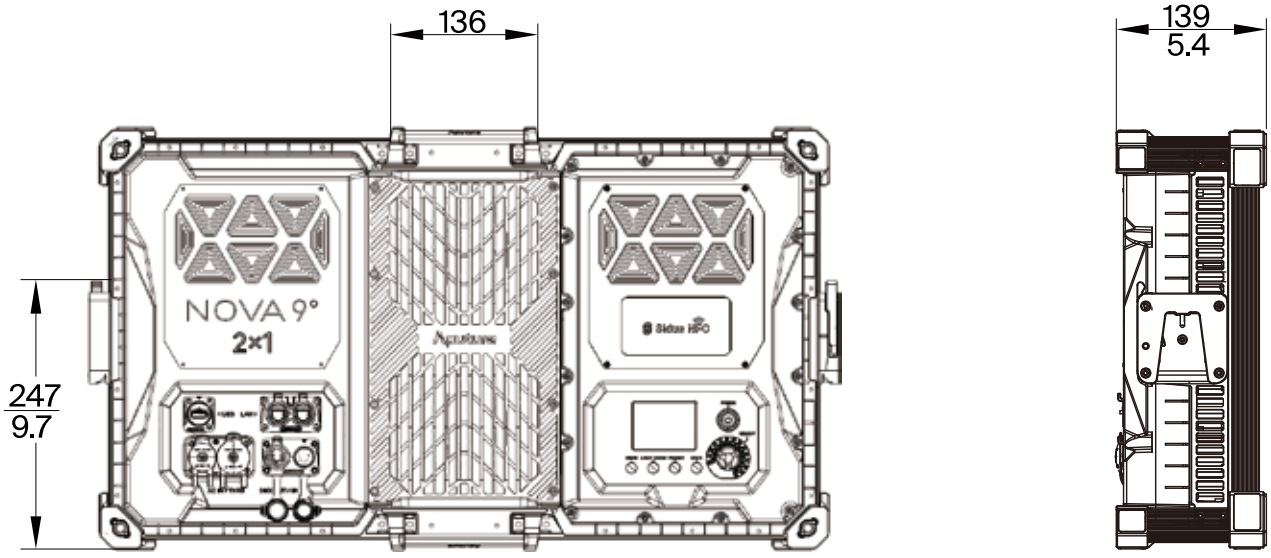
Product Specifications

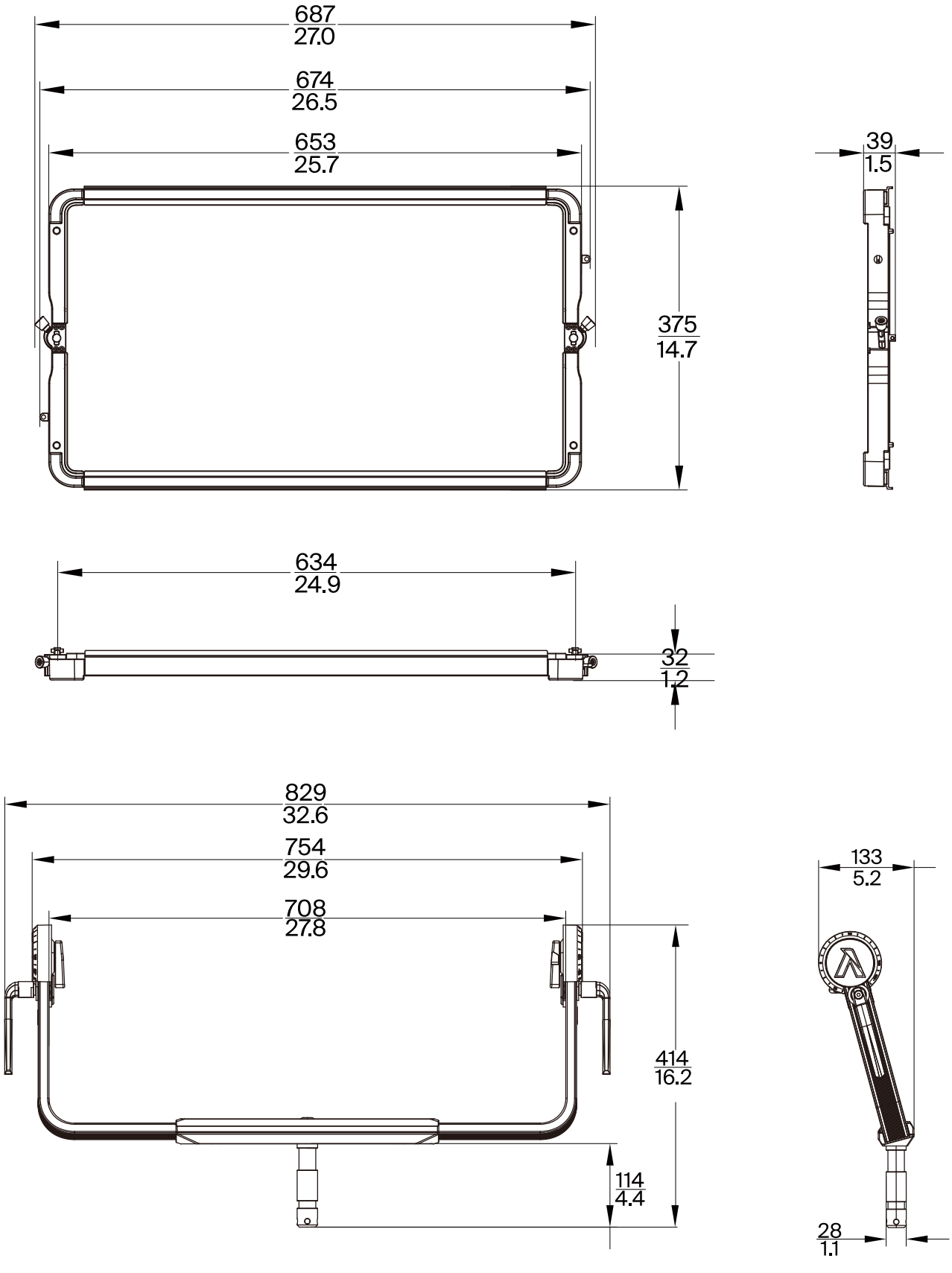
Power Consumption (Max)	100-240V: 800W	Power Output (Max)	650W
Voltage Input Range	100-240VAC	Operating Current	8A @100-110VAC, 4A @220-240VAC
LED Engine	BLAIR	Number of Pixels	4
CCT Range	1800K-20000K	Cooling Method	Air Cooling (Active)
CQS (3200K)	95	Operating Temperature	-20℃ ~ 50℃
CQS (5600K)	96	Storage Temperature	-40℃ ~ 80℃
SSI (D32)	89	Product Noise (1m)	Fan Medium Speed: 35dBA @45℃
SSI (D56)	86		Fan High Speed: 40dBA @45℃
CRI (Average)	≥96		Fan Smart Mode: Variable
TLCI (Average)	≥96 (3200K+)	IP Rating	IP65
TM30 Rf (Average)	96	Bluetooth Wireless Range	≤100m / ≤328ft
TM30 Rg (Average)	101	CRMX Wireless Range	≤100m / ≤328ft
Control Methods	On-board, Sidus Link Pro/Sidus Link App, DMX/RDM, CRMX & Art-Net/sACN		
Size (length x width x height)	Lamp Head (without yoke)	69.1 × 38.8 ×13.91 cm /27.2 ×15.28× 5.47 inch	
	Lamp Head (with yoke)	82.9 × 56.6 × 16.74 cm /32.65 × 22.3 × 6.59 inch	
	Flat Diffuser	68.4 x 37.5 × 4 cm /26.94 ×14.76 × 1.55 in	
Weight	Lamp Head (w/o Yoke)	17.45Kg /38lb	
	Removable Yoke	2.4Kg /5.29lb	
	Flat Diffuser	2kg /4.45lb	
	AC Power Cable (6m)	0.8kg /1.76lb	

** Damage to the Lamp Head from moisture is not covered under the warranty. If the NOVA 9° 2x1 is used in a heavy rain, it is recommended to have the Lamp Head set at a tilt angle other than 0°.*

Product Dimensional Drawings






687
27.0
674
26.5
653
25.7
375
14.7
39
1.5
634
24.9
32
1.2
829
32.6
754
29.6
708
27.8
414
16.2
114
4.4
133
5.2
28
1.1
360
14.1
88
3.4

Photometrics

CCT	Distance	Bare Bulb	Distance	Flat Diffuser
1800K	5m	19590 lux	1m	13280 lux
		1819 fc		1232 fc
	10m	5030 lux	3m	1594 lux
		467 fc		149 fc
	20m	1329lux	5m	615 lux
		123 fc		57 fc
2500K	5m	25410 lux	1m	17130 lux
		2365 fc		1594 fc
	10m	7090 lux	3m	2057 lux
		650 fc		192 fc
	20m	1881 lux	5m	794 lux
		175 fc		74 fc
3200K	5m	28090 lux	1m	18970 lux
		2611 fc		1765 fc
	10m	7660 lux	3m	2278 lux
		712 fc		211 fc
	20m	2040 lux	5m	879 lux
		190 fc		82 fc
4300K	5m	29980 lux	1m	20290 lux
		2786 fc		1885 fc
	10m	8340 lux	3m	2436 lux
		775 fc		227 fc
	20m	2229 lux	5m	940 lux
		207 fc		87 fc
5600K	5m	29730 lux	1m	20160 lux
		2765 fc		1875 fc
	10m	8320 lux	3m	2423 lux
		773 fc		226 fc
	20m	2229 lux	5m	935 lux
		207 fc		87 fc

6500K	5m	29270 lux	1m	19890 lux
		2719 fc		1850 fc
	10m	8220 lux	3m	2390 lux
		764 fc		223 fc
	20m	2203 lux	5m	924 lux
		205 fc		86 fc
7500K	5m	28610 lux	1m	19480 lux
		2659 fc		1808 fc
	10m	8070 luxx	3m	2341 lux
		750 fc		217 fc
	20m	2171 lux	5m	903 lux
		202 fc		84 fc
10000K	5m	27150 lux	1m	18530 lux
		2524 fc		1722 fc
	10m	7660 lux	3m	2227 lux
		712 fc		206 fc
	20m	2064 lux	5m	859 lux
		192 fc		80 fc
20000K	5m	24210 lux	1m	16580 lux
		2249 fc		1539 fc
	10m	6920 luxx	3m	1992 lux
		643 fc		186 fc
	20m	1863 lux	5m	769 lux
		173 fc		71 fc

**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.