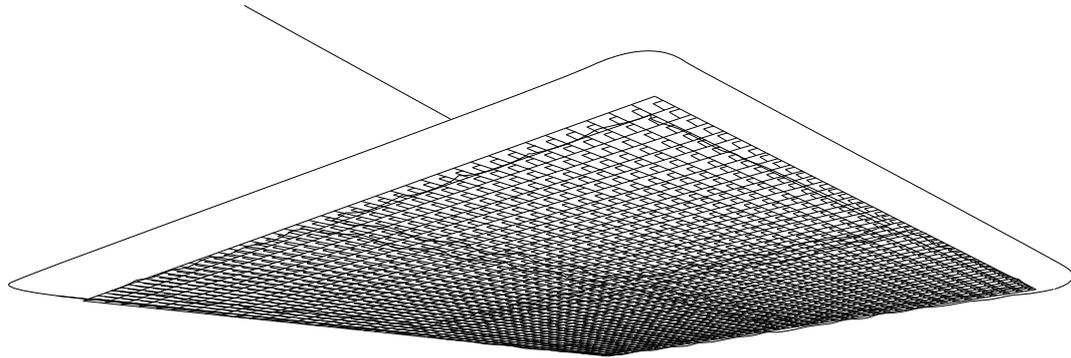
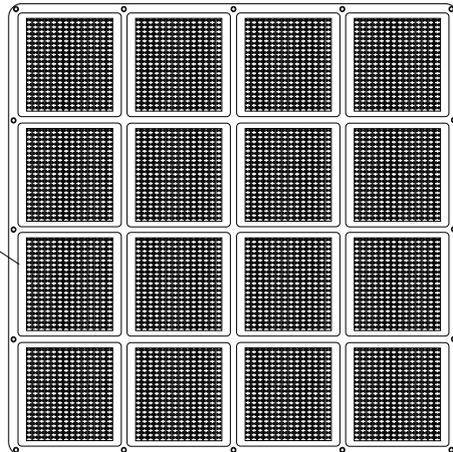


INFINIMAT20×20



INFINIMAT 8×8



# INFINIMAT

Product Manual

English

# Table of Contents

Introduction .....	04
Components List.....	05
Product Overview.....	11
Aputure INFINIMAT 8×8.....	11
Aputure INFINIMAT Inflatable Softbox 8×8 .....	11
Aputure INFINIMAT Inflatable Softbox 20×20.....	12
Aputure INFINIMAT Control Box 1600W.....	13
Aputure INFINIMAT Air Pump MAX .....	14
Setup .....	15
1. Assembling the Aputure INFINIMAT 8×8.....	15
2. Using the Aputure INFINIMAT Air Pump Max.....	16
3. Folding the Aputure INFINIMAT 8×8 .....	16
4. Assembling the Aputure INFINIMAT 20×20 .....	17
5. Attaching the Aputure INFINIMAT Inflatable Softbox (8×8, 20×20) .....	18
6. Folding the Aputure INFINIMAT Inflatable Softbox 8×8 .....	19
7. Folding the Aputure INFINIMAT Inflatable Softbox 20×20 .....	20
8. Attaching the Aputure INFINIMAT Control Grid (8×8, 20×20).....	20
9. Folding the Aputure INFINIMAT Control Grid 8×8.....	21
10. Folding the Aputure INFINIMAT Control Grid 20×20 .....	21
11. Attaching the Aputure INFINIMAT Control Skirt (8×8, 20×20).....	22
12. Installation and Disassembly of the Control Box 1600w Dolly (*sold separately).....	22
13. Connecting the INFINIMAT(s) to the Control Box 1600W.....	24
Operating Instructions.....	25
1. Powering On/Off .....	25
2. Manual Control with the Control Box.....	26
2.1 Light Mode.....	26
2.1.1 CCT.....	26
2.1.2 HSIC+ .....	26
2.1.3 RGB.....	27
2.1.4 GEL.....	27

2.1.5 Source .....	27
2.1.6 xy.....	28
2.1.7 FX.....	28
2.1.8 Zone.....	28
2.2 Control Settings .....	29
2.2.1 DMX Settings .....	30
2.2.2 CRMX .....	32
2.2.3 Sidus BT Settings.....	34
2.2.4 Ethernet Settings .....	35
2.2.5 Dimming Curve.....	37
2.2.6 Output Settings.....	37
2.2.7 Lead/Follow Mode.....	38
2.2.8 Fan Mode .....	39
2.2.9 Studio Mode .....	40
2.2.10 Screensaver.....	40
2.2.11 Language.....	40
2.2.12 Product Info .....	41
2.2.13 Update Firmware.....	42
2.2.14 Factory Reset.....	42
2. 3 Presets.....	43
Control with a DMX Console .....	44
Controlling via DMX.....	45
Sidus Link Pro and Sidus Link.....	45
Product Specifications .....	46
Photometric Data .....	50
Using the Aputure INFINIMAT Patch Kit.....	53
Important Safety Instructions .....	54
FCC Declaration of Conformity.....	56

# Introduction

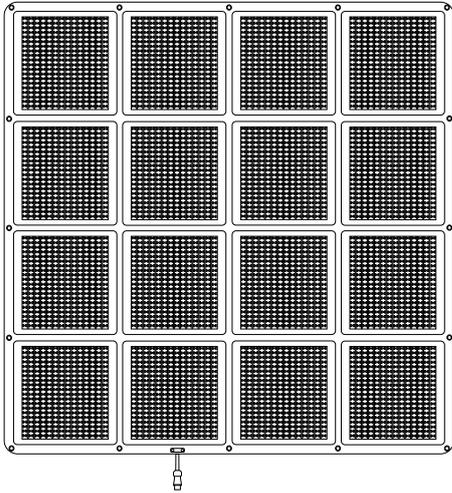
The INFINIMAT is a family of full color, pixelated LED soft lights with inflatable softboxes. They come in a vast variety of sizes ranging from 1×2' all the way up to 20×20' to provide maximum flexibility, conforming to industry standard butterfly frame sizes. The inflatable softboxes ensure easy, fast setup providing optimum diffusion and structural support that is lightweight yet robust.

All INFINIMAT products can be remotely controlled via industry standard protocols such as DMX512-A, LumenRadio CRMX, RDM, Art-Net, and sACN, as well as Sidus BT from Aputure. They are certified to IP65 weather protection for versatility and peace of mind when working in wet or dusty environments, further enhancing their functionality for professionals.

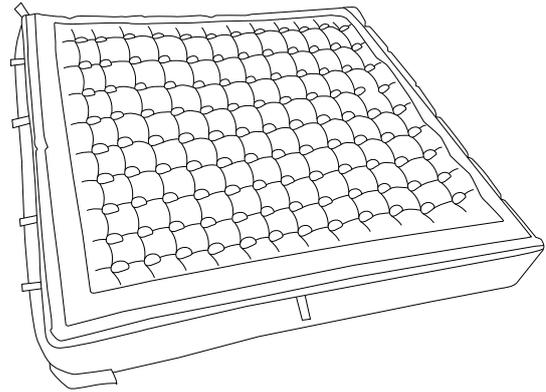
# Components List

Please check whether the following items are contained in the package before using the product. Please contact your dealer if there are any missing items.

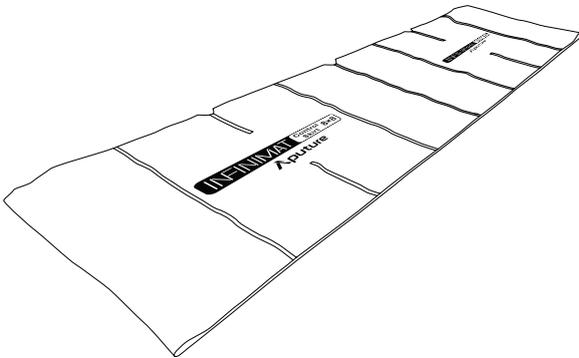
## Aputure INFINIMAT 8x8 Kit :



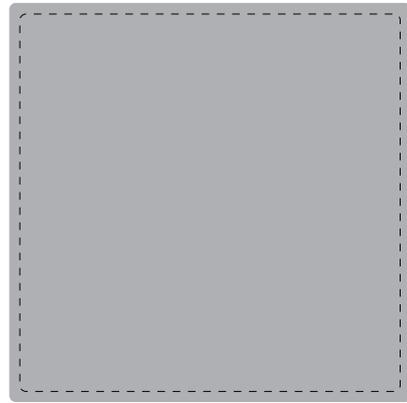
Aputure INFINIMAT 8x8



Aputure INFINIMAT Inflatable Softbox 8x8



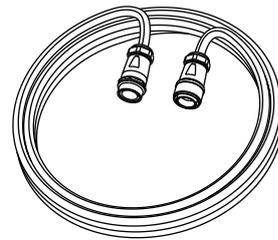
Aputure INFINIMAT Control Skirt 8x8



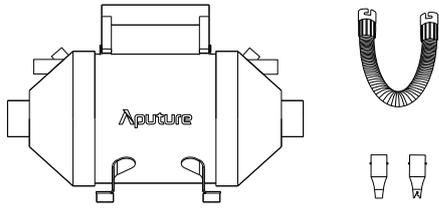
Aputure INFINIMAT Tarp 8x8



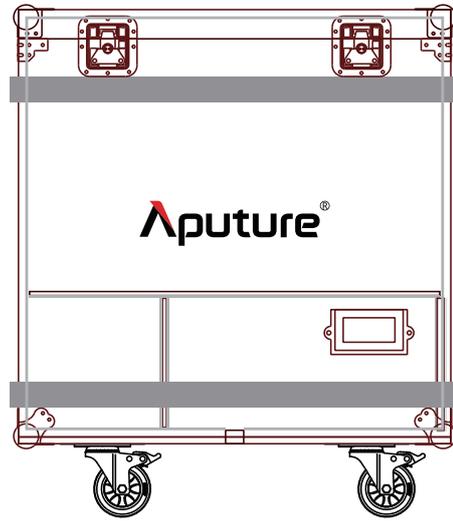
Aputure INFINIMAT Patch Kit



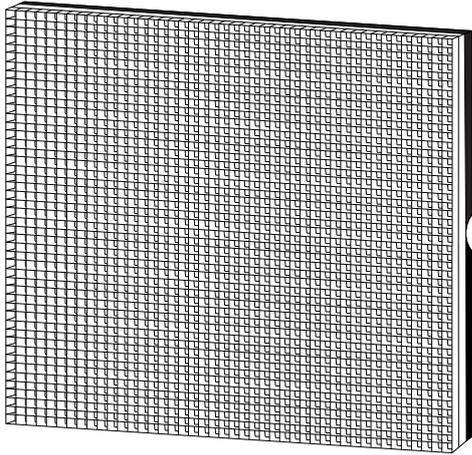
Aputure INFINIMAT 15m Head Cable (1600W)



Aputure INFINIMAT Air Pump Max



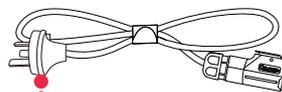
Flight Case for INFINIMAT & Softbox Pack 8x8



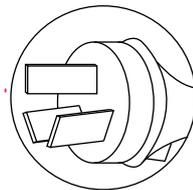
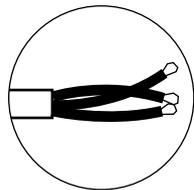
Aputure INFINIMAT Light Control Grid 8x8



Carrying Case for Control Grid 8x8

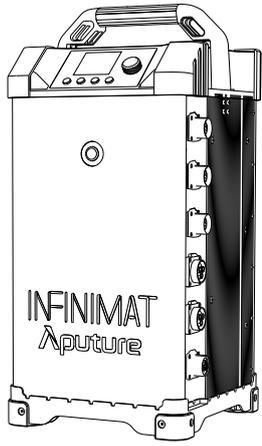


Aputure LP-24 Power Input AC Cable - 6m

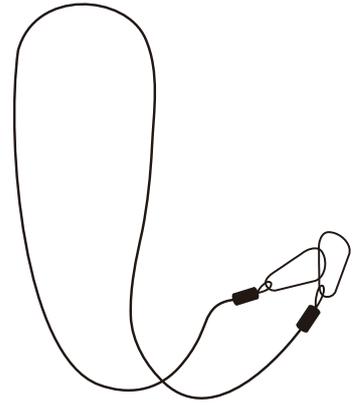


The illustration is for reference only since plug specifications can vary in different regions.

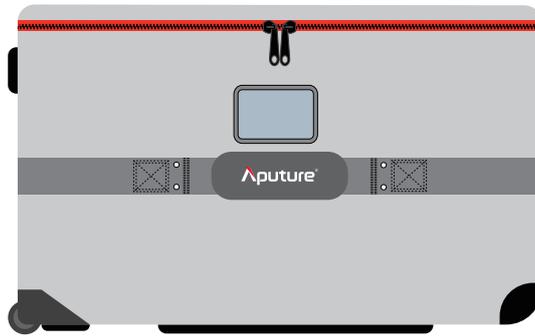
Statement: If you choose the AC power cord without a plug, we will not provide a plug and you need to purchase and assemble it separately.



Aputure INFINIMAT Control Box 1600W

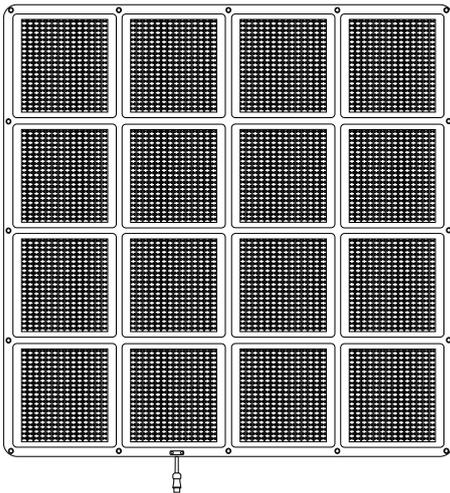


Safety Rope (1.3m)

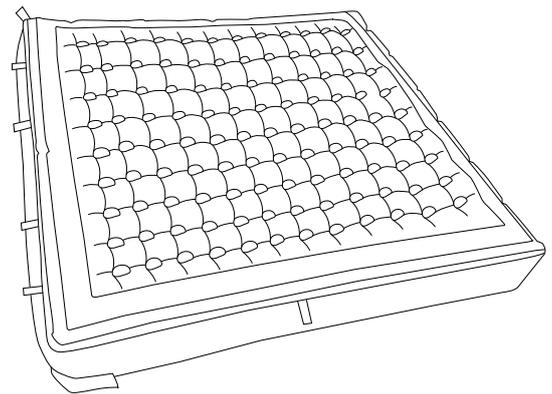


Rolling Case for Control Box 1600w Pack

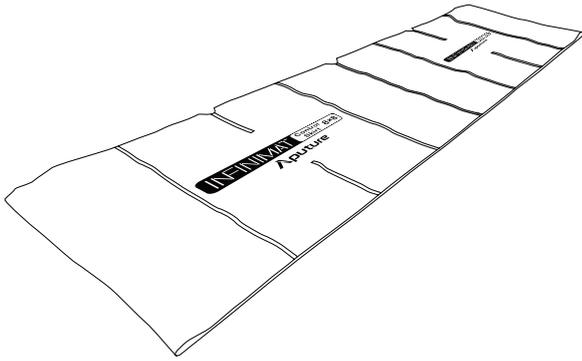
**Aputure INFINIMAT 20x20 Kit :**



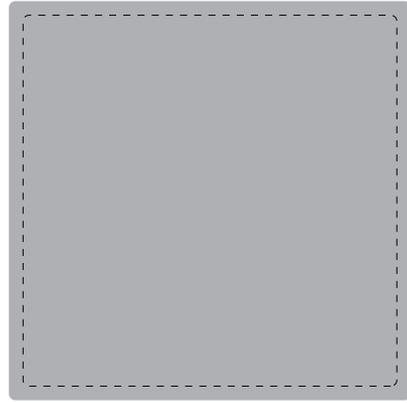
Aputure INFINIMAT 8x8 (4PCS)



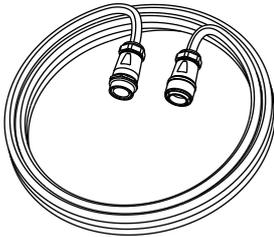
Aputure INFINIMAT Inflatable Softbox 8x8 (4PCS)



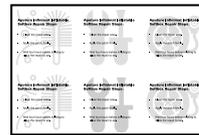
Aputure INFINIMAT Control Skirt 8x8 (4PCS)



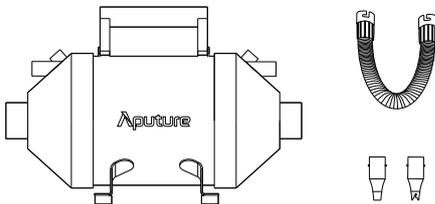
Aputure INFINIMAT Tarp 8x8 (4PCS)



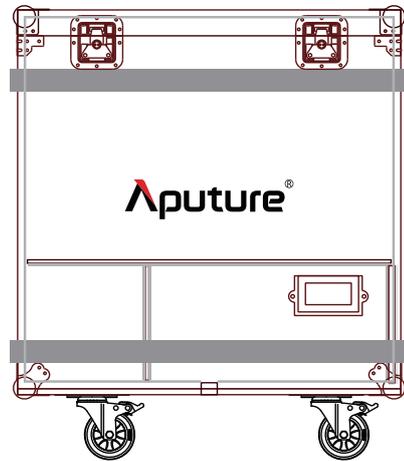
Aputure INFINIMAT 15m Head Cable (1600W) (4PCS)



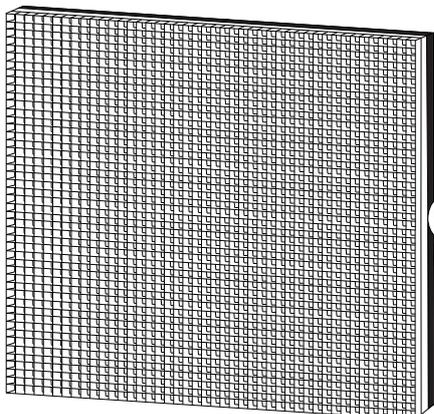
Aputure INFINIMAT Patch Kit (4PCS)



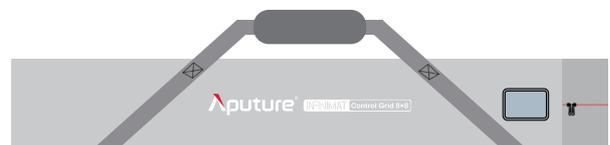
Aputure INFINIMAT Air Pump Max (4PCS)



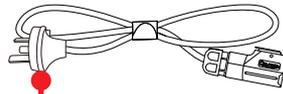
Flight Case for INFINIMAT & Softbox Pack 8x8 (4PCS)



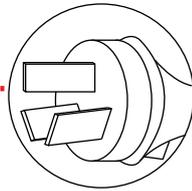
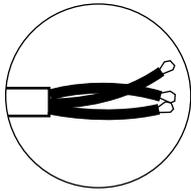
Aputure INFINIMAT Light Control Grid 8x8 (4PCS)



Carrying Case for Control Grid 8x8 (4PCS)

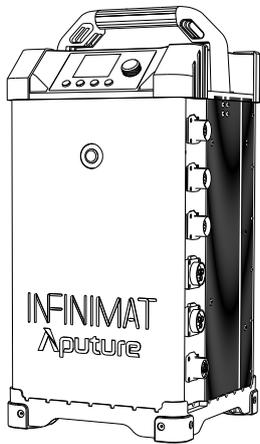


Aputure powerCON True1 AC  
Power Cable – 6m (4PCS)

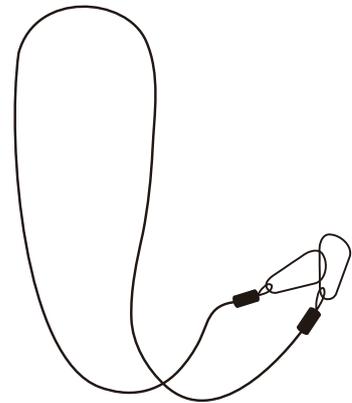


The illustration is for reference  
only since plug specifications  
can vary in different regions.

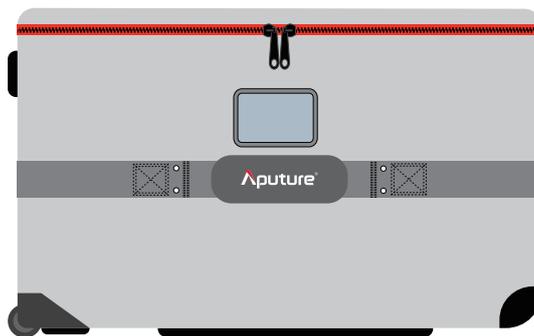
Statement: If you choose the AC power cord  
without a plug, we will not provide a  
plug and you need to purchase and  
assemble it separately.



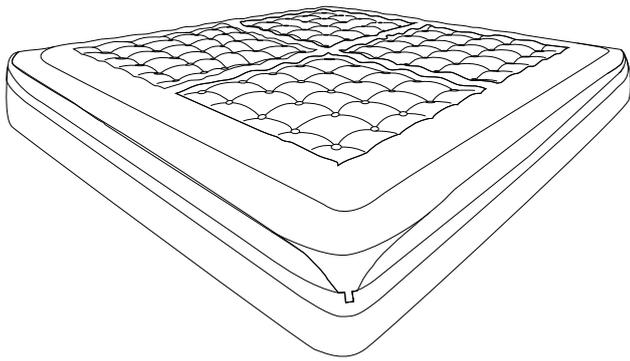
Aputure INFINIMAT Control Box 1600W (4PCS)



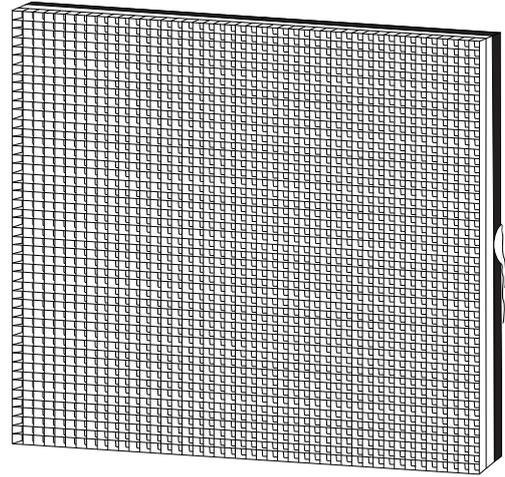
Safety Rope (1.3m)(4PCS)



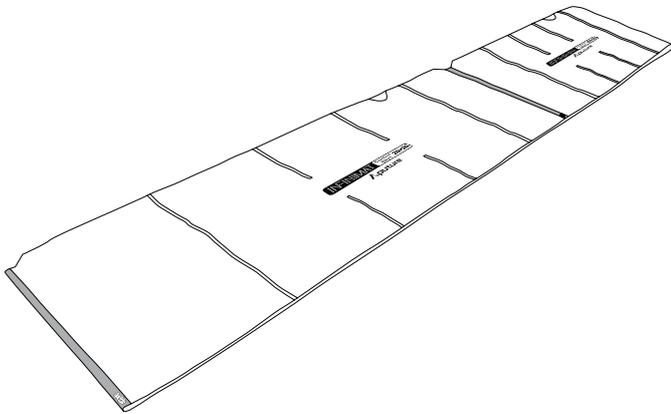
Rolling Case for Control Box 1600w Pack (4PCS)



Aputure INFINIMAT Inflatable Softbox 20x20



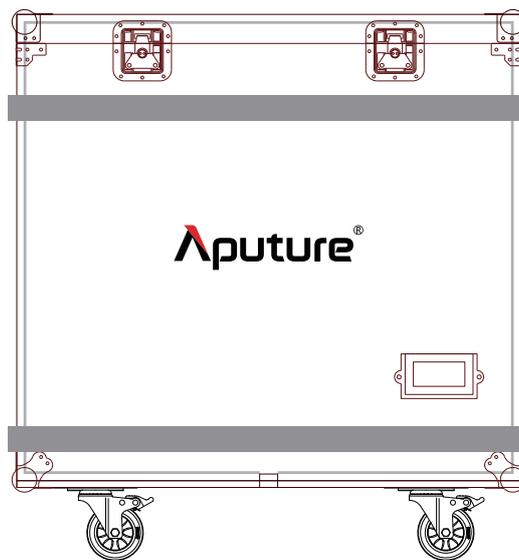
Aputure INFINIMAT Light Control Grid 20x20



Aputure INFINIMAT Light  
Control Skirt 20x20



Aputure INFINIMAT Tarp 20x20

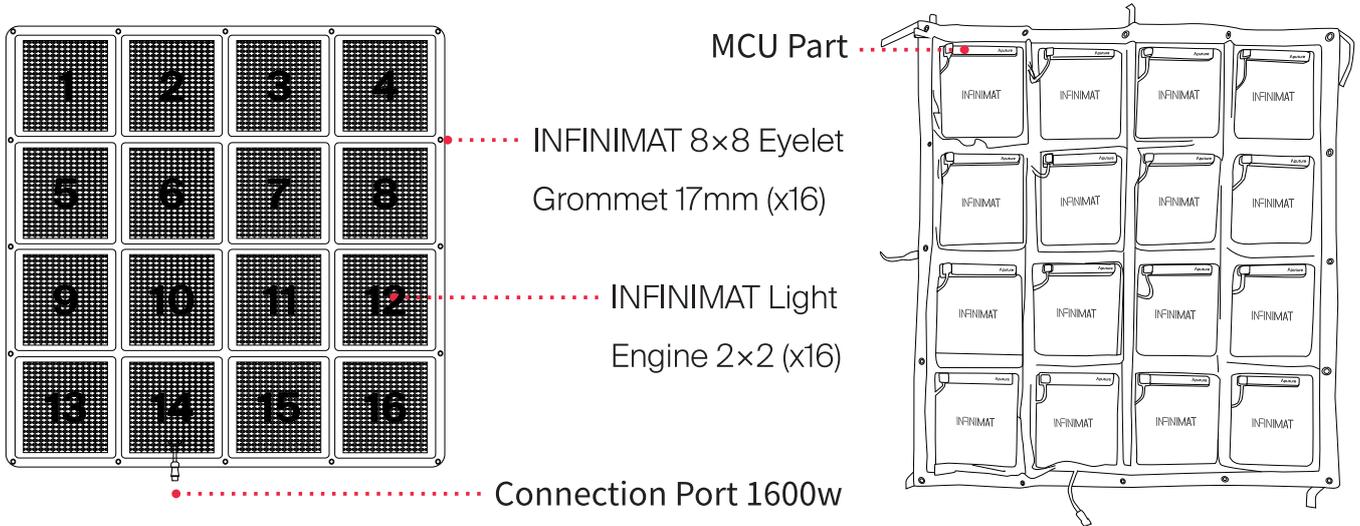


Flight Case for INFINIMAT Softbox Pack 20x20

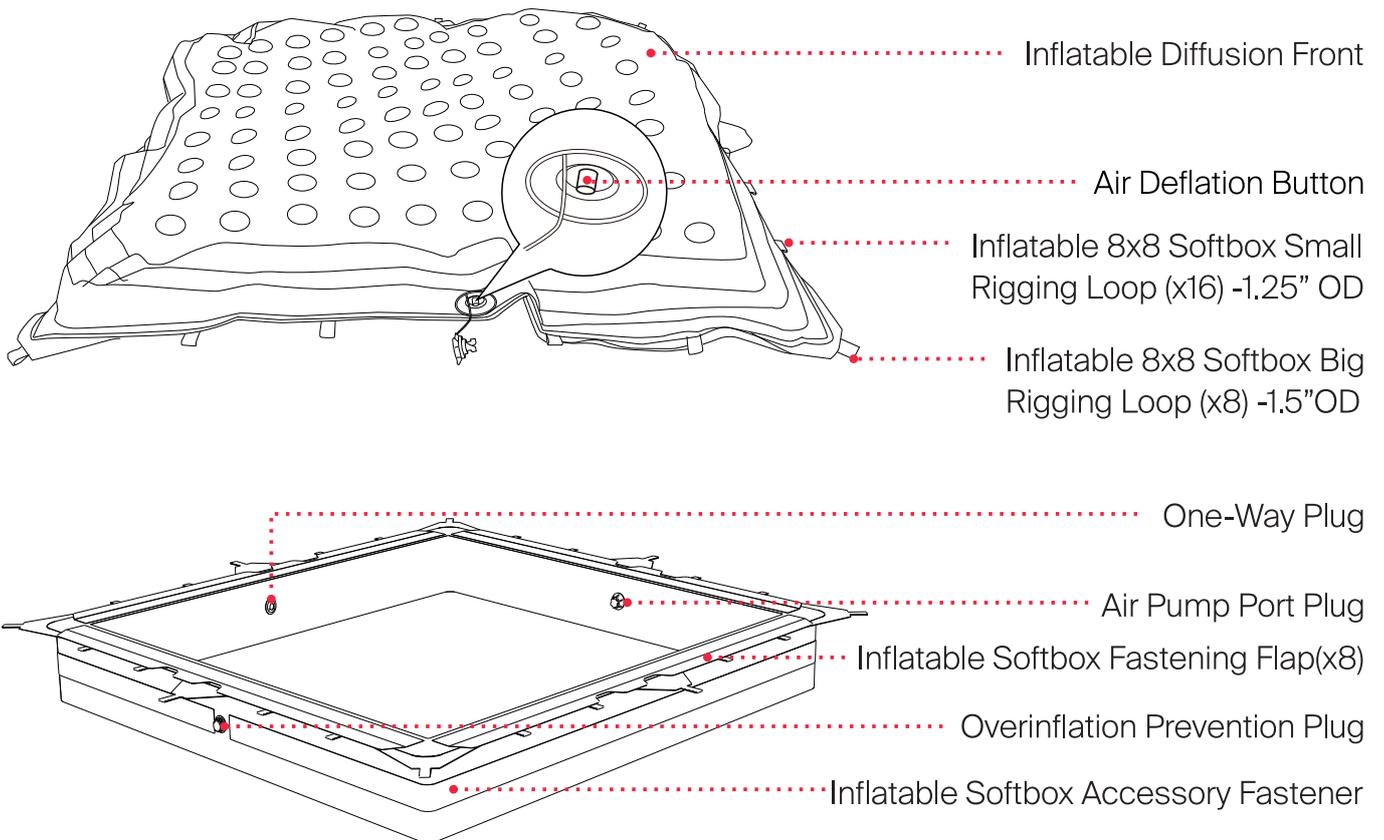
*\*All illustrations in the instructions are for reference only. The physical product may differ from the schematic diagram due to continuous updates and upgrades*

# Product Overview

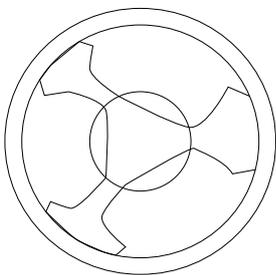
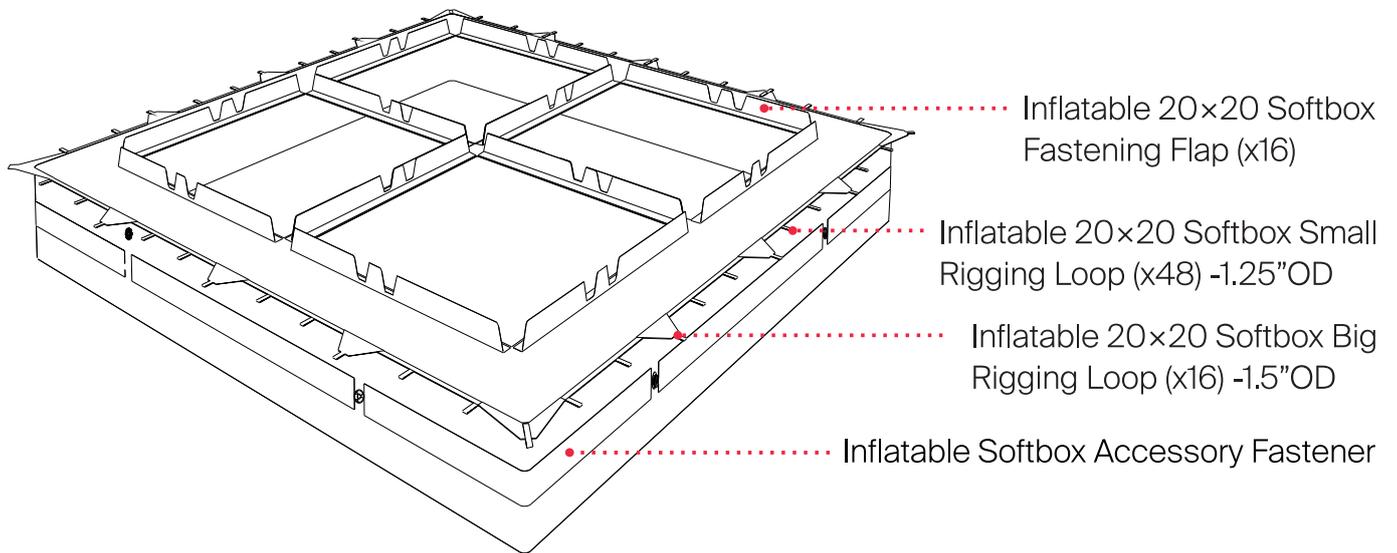
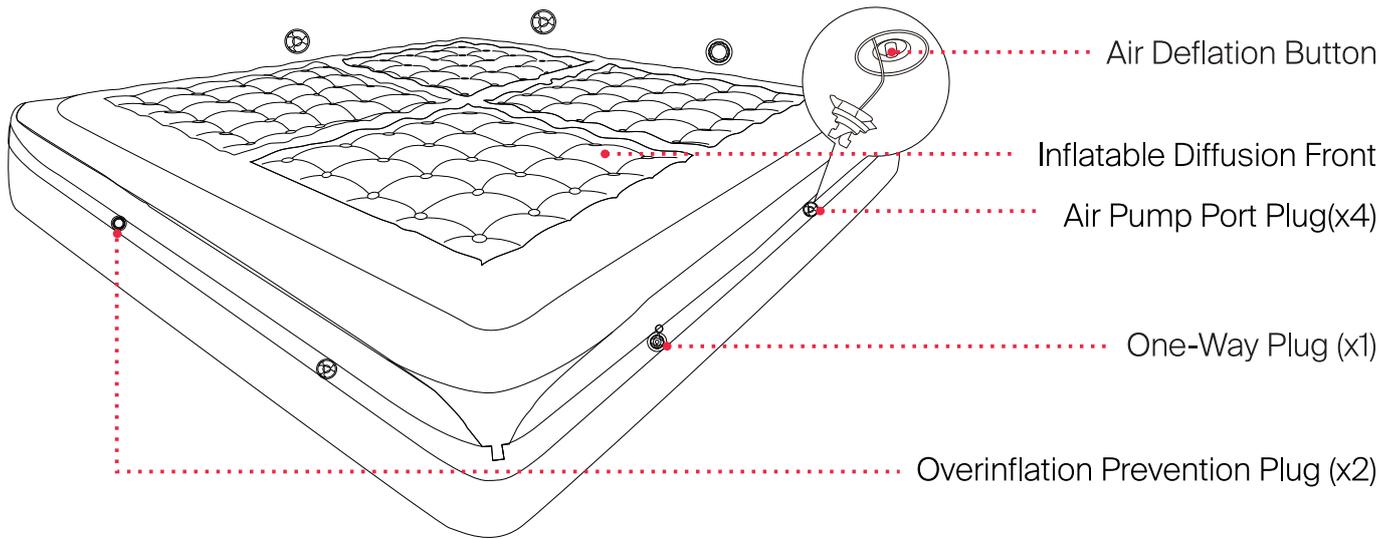
## Aputure INFINIMAT 8x8



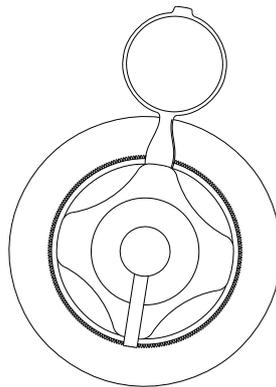
## Aputure INFINIMAT Inflatable Softbox 8x8



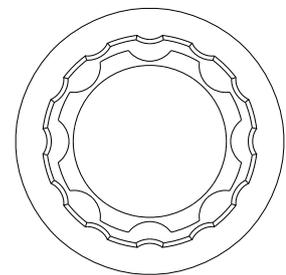
# Aputure INFINIMAT Inflatable Softbox 20x20



Air Pump Port Plug

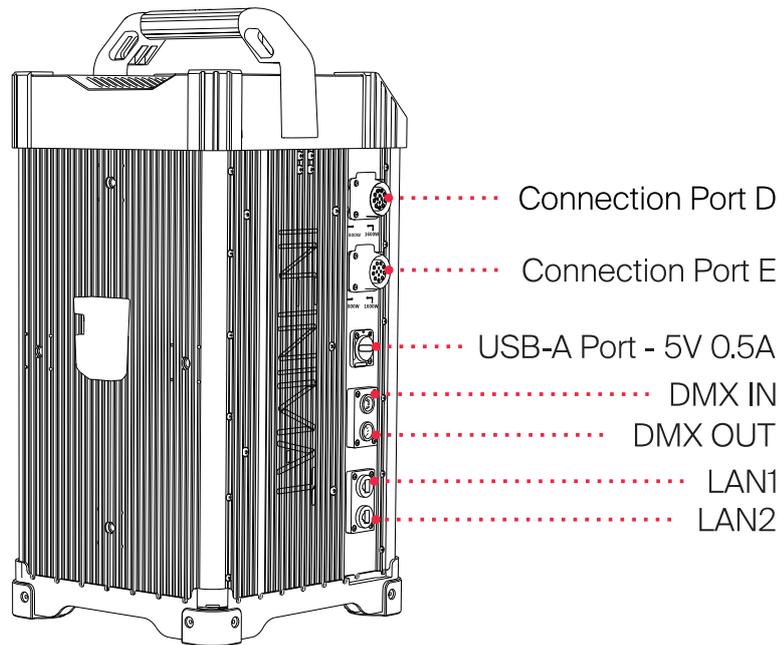
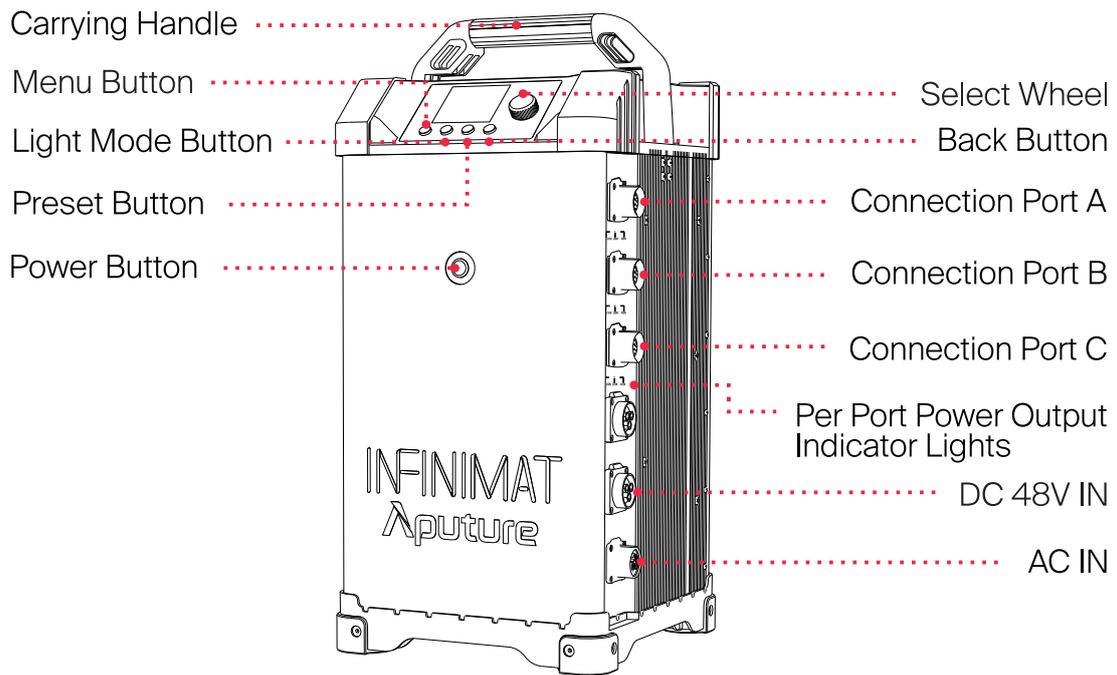


One-Way Plug

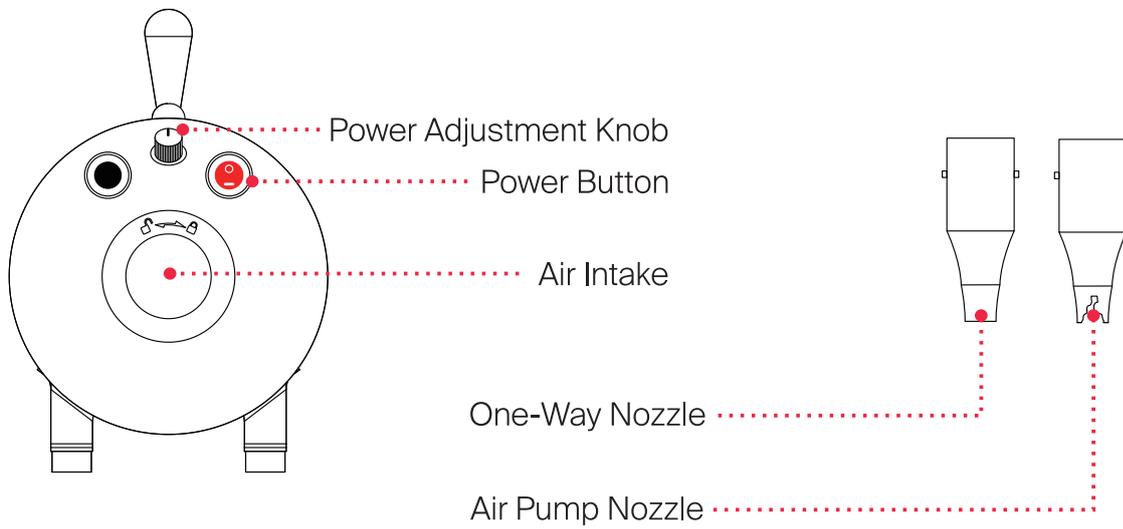
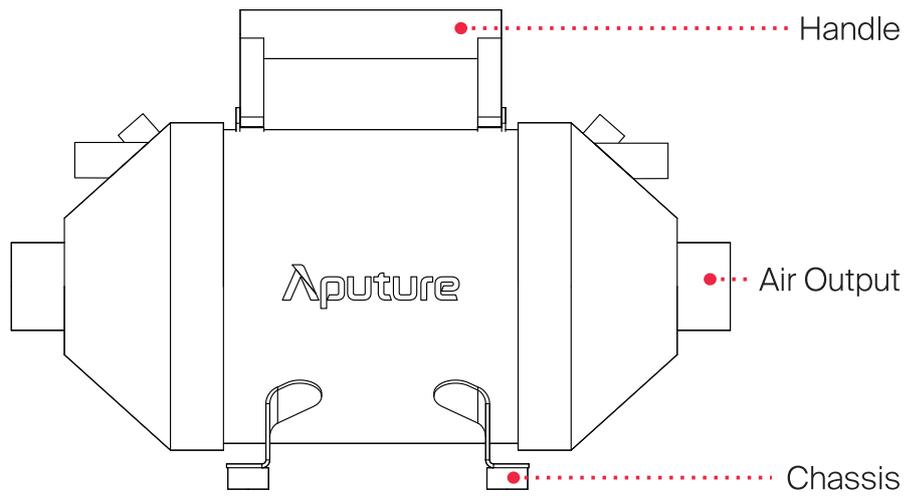


Overinflation Prevention Plug

# Aputure INFINIMAT Control Box 1600W



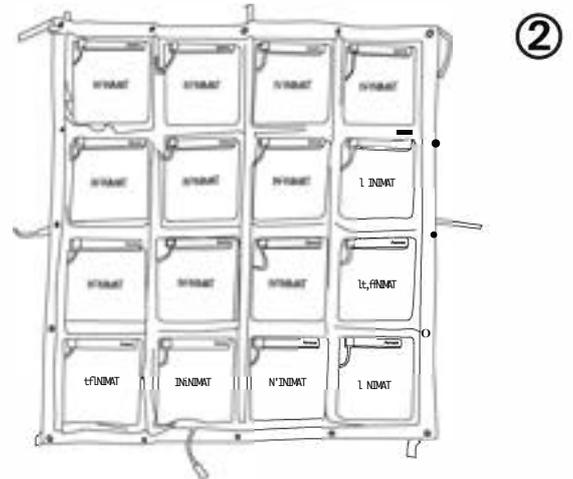
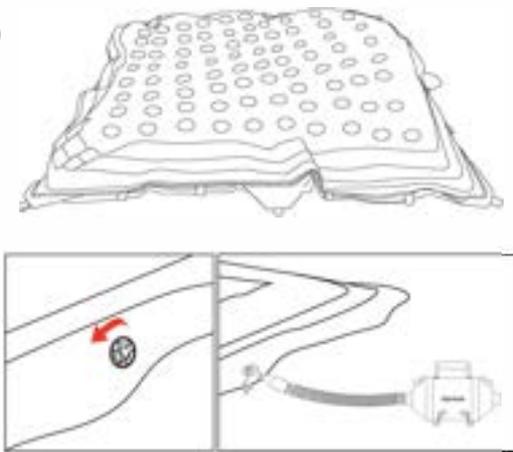
# Aputure INFINIMAT Air Pump MAX



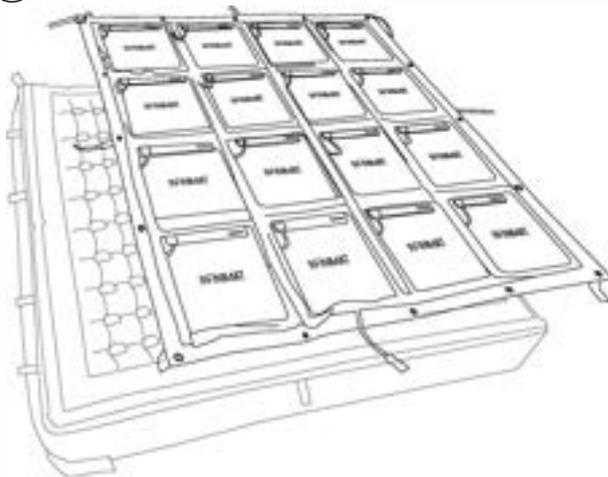
# Setup

## 1. Assembling the Aputure INFINIMAT 8x8

G)



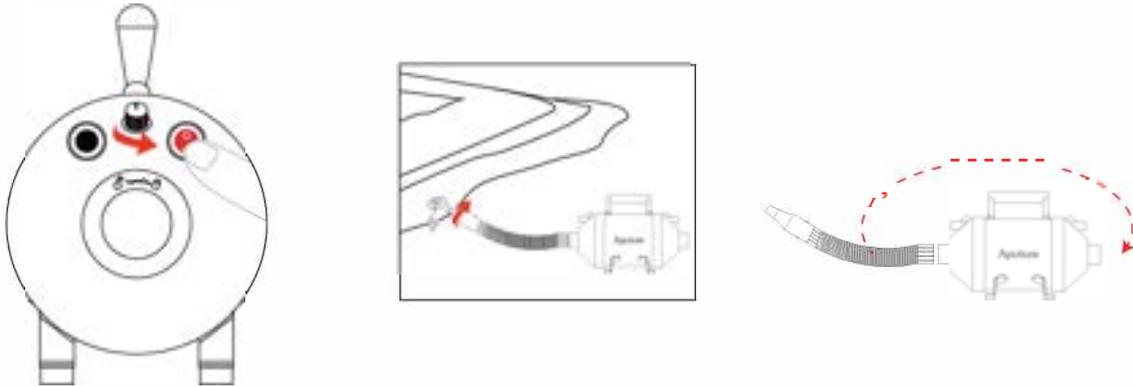
@



1. Use the Air Pump Max to inflate the INFINIMAT 8x8 Inflatable Softbox.
2. Take out the folded light body and unfold it to place it vertically.
3. Place the INFINIMAT 8x8 at the 2/3 position of the Inflatable Softbox and flatten it in order. Attach the Velcro of the Inflatable Softbox to the light body.
4. Attach the INFINIMAT 8x8 to a frame.

\* The hanging point sizes of the Inflatable Softbox are: 1.25" ID and 1.5" ID.

## 2. Using the Aputure INFINIMAT Air Pump Max

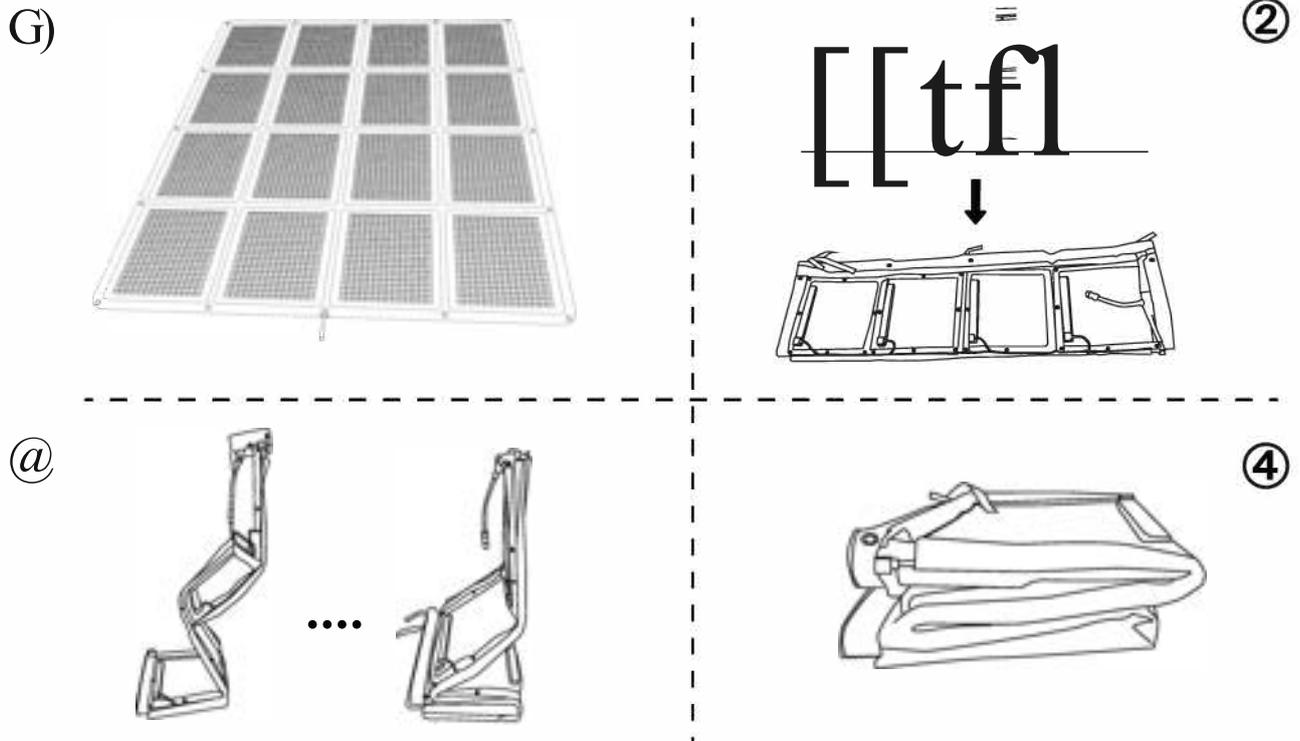


1. After connecting the Air Pump Max to AC power, press the button to turn on the switch.
2. After inserting it into the inflation port, tighten it clockwise.
3. By changing the direction of the position of the mounting port, you can switch between pumping and air intake.

\* The Air Pump Max is not waterproof, so be careful to cover it on rainy days.

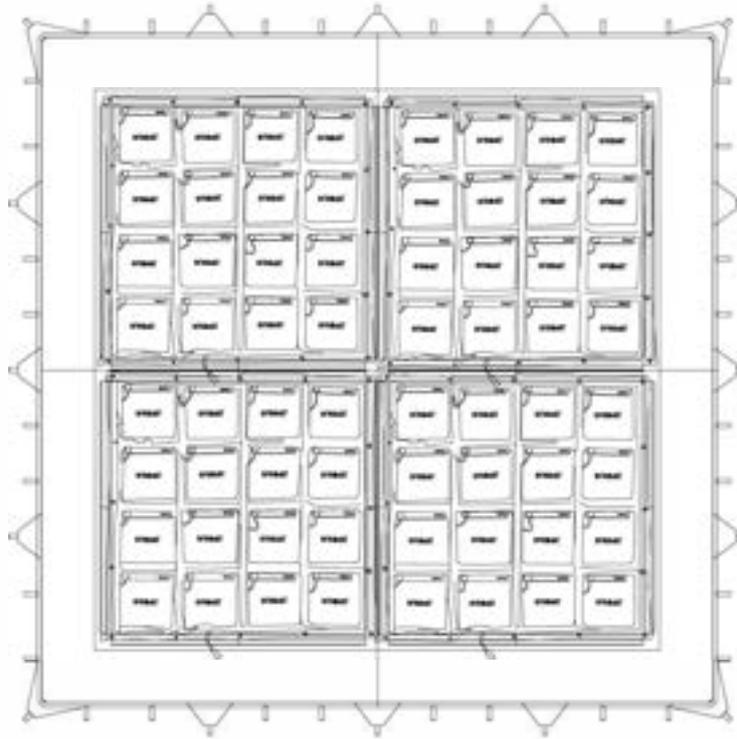
\* BOOST mode should only be used for short periods to avoid overheating.

## 3. Folding the Aputure INFINIMAT 8x8

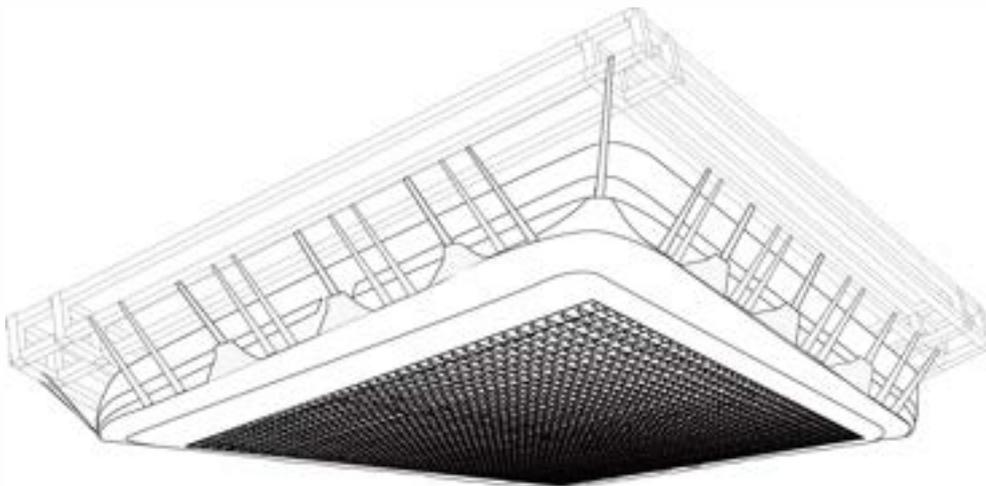


1. Lay the diode side up.
2. Fold in half so that one diode side folds onto the other diode side.
3. M-fold along the LED Mat.
4. Ready for storage.

## 4. Assembling the Aputure INFINIMAT 20x20



G)



②

1. After inflating the 20x20 Inflatable Softbox, lay 4 INFINIMAT 8x8 on the 20x20 Inflatable Softbox, and attach the 4 INFINIMATs to the Softbox using the built in hook and loop fabric strips.

2. After building the truss frame, place it on the top of the Inflatable Softbox, and tie the hanging points on the edge of the Inflatable Softbox to the truss frame by rope.

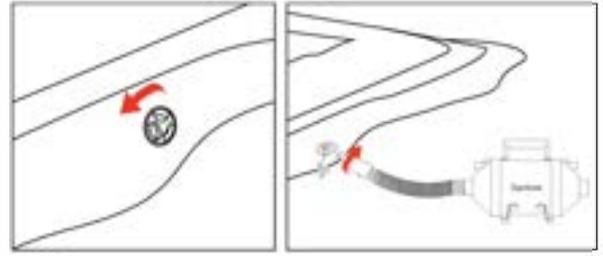
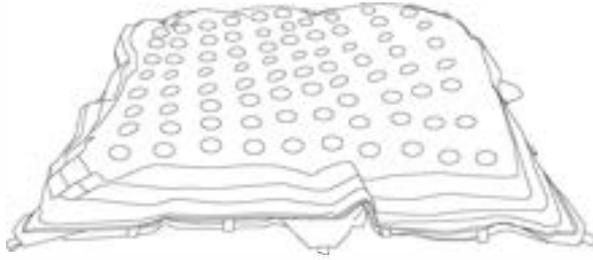
*\* You can stand on the Inflatable Softbox to install and align the INFINIMATs. Please note that sharp or hard items rubbing against the Inflatable Softbox, could result in damage.*

*\*Truss Frame Dimensions: The inflatable softbox size is 6m x 6m. It is recommended to use 72\*3m Truss and 9\*0.3m Truss components to construct a 20x20 frame.*

*\* The hanging point sizes of the Inflatable Softbox are: 1.25" ID and 1.5" ID.*

*\* To ensure safety during use, please secure each hanging point.*

## 5. Attaching the Aputure INFINIMAT Inflatable Softbox (8x8, 20x20)



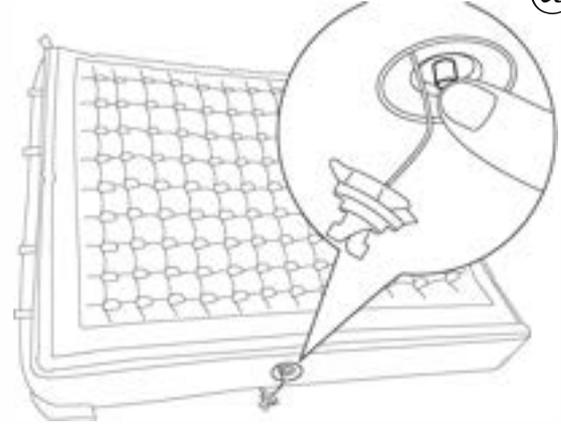
①

Ⓜ

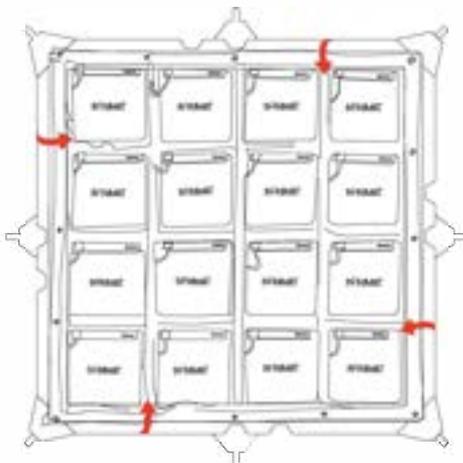


7

ⓐ

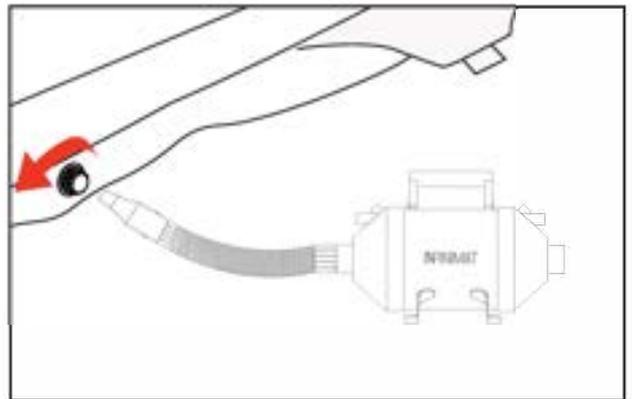


④



L

⑤



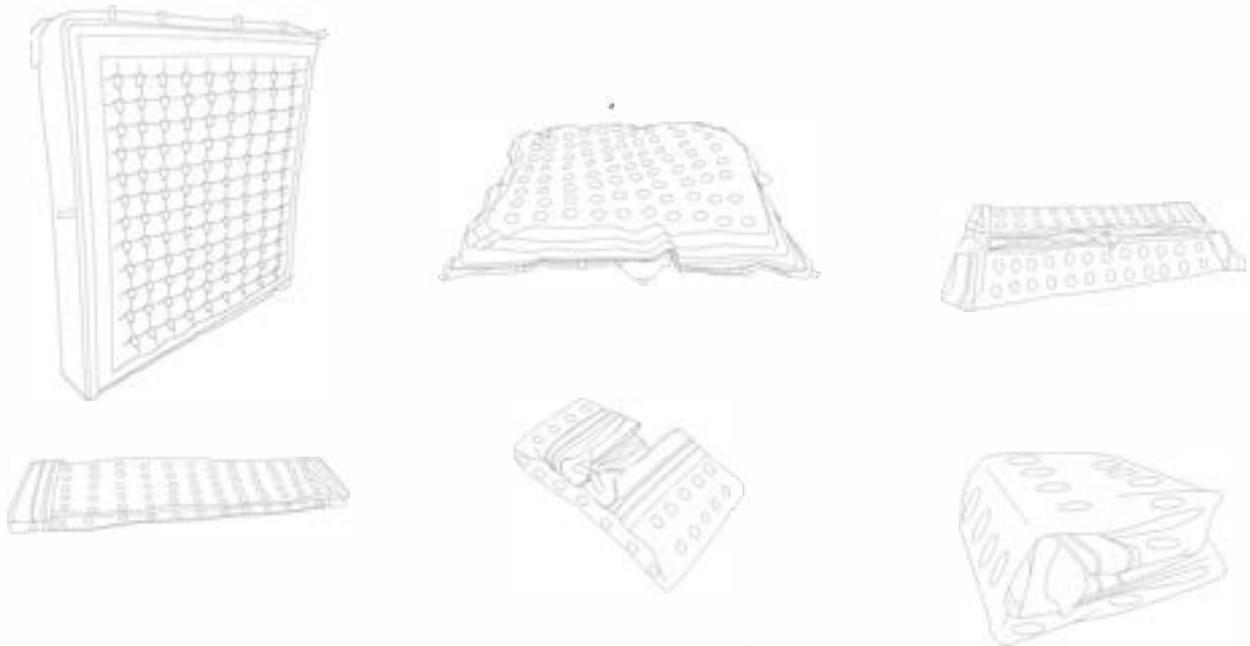
1. Rotate the Air Pump Port Plug counterclockwise to open the port, insert the Air Pump Nozzle into the Air Pump Port, making sure the nozzle is attached to the Air Outlet. Rotate clockwise to lock the nozzle in place.

2. After connecting the Air Pump Max to AC POWER, press the button to turn on the switch to start inflating the Inflatable Softbox. Do not over inflate.

3. Use the Air Deflation Button to release air if the Inflatable Softbox is overinflated.
4. Place the INFINIMAT on the rear side of the Inflatable Softbox (with the Softbox Fastening Flaps), align all edges, and attach the flaps onto the INFINIMAT.
5. When deflating the Inflatable Softbox, ensure the Air Pump Nozzle is attached to the Air Inlet. Open the Air Pump Port, attach the nozzle and press the Power Button to start the deflation. Once all the air has been extracted, turn off the pump.

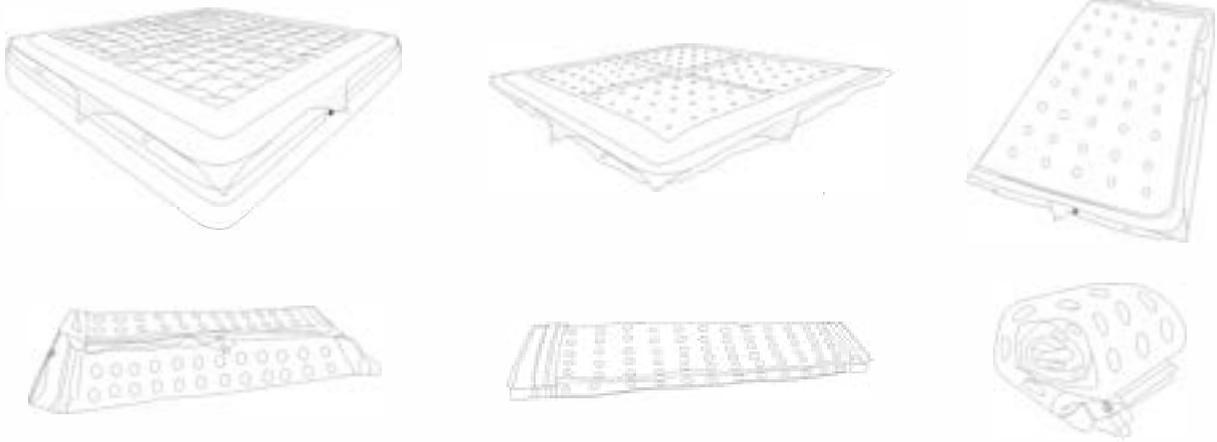
*\*A1 INFINIMAT Inflatable Softboxes are equipped with Overinflation Prevention Plug(s), that prevents the Softbox from damage due to excessive amounts of air being injected. Despite this feature, users should use caution when inflating.*

## 6. Folding the Aputure INFINIMAT Inflatable Softbox 8x8



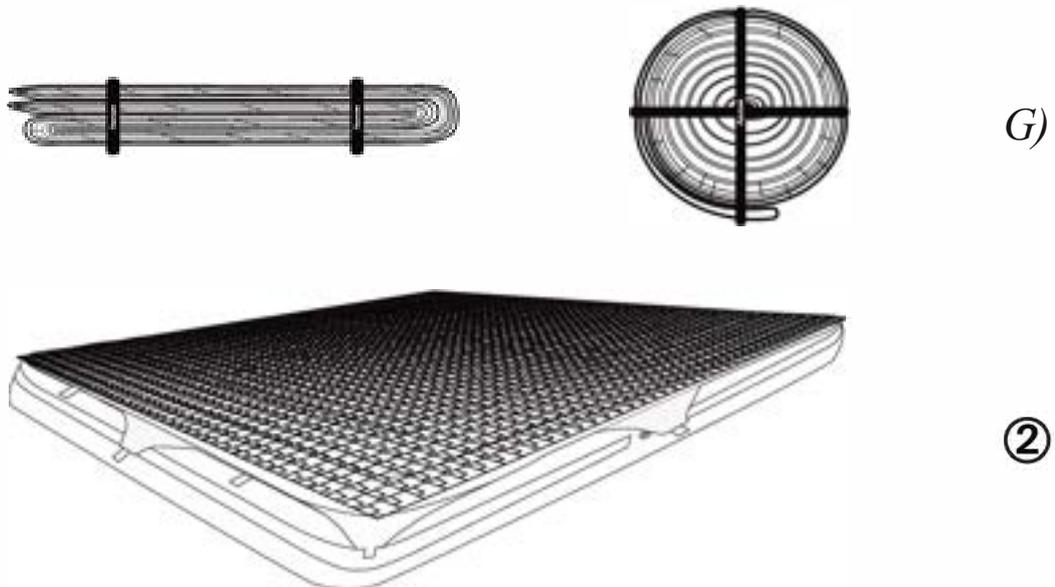
1. Open the deflation valve and use the air pump to deflate.
2. Fold in four equal parts to the center.
3. Fold in half again.
4. Fold again in four equal parts to the center.
5. Fold in half again.

## 7. Folding the Aputure INFINIMAT Inflatable Softbox 20x20



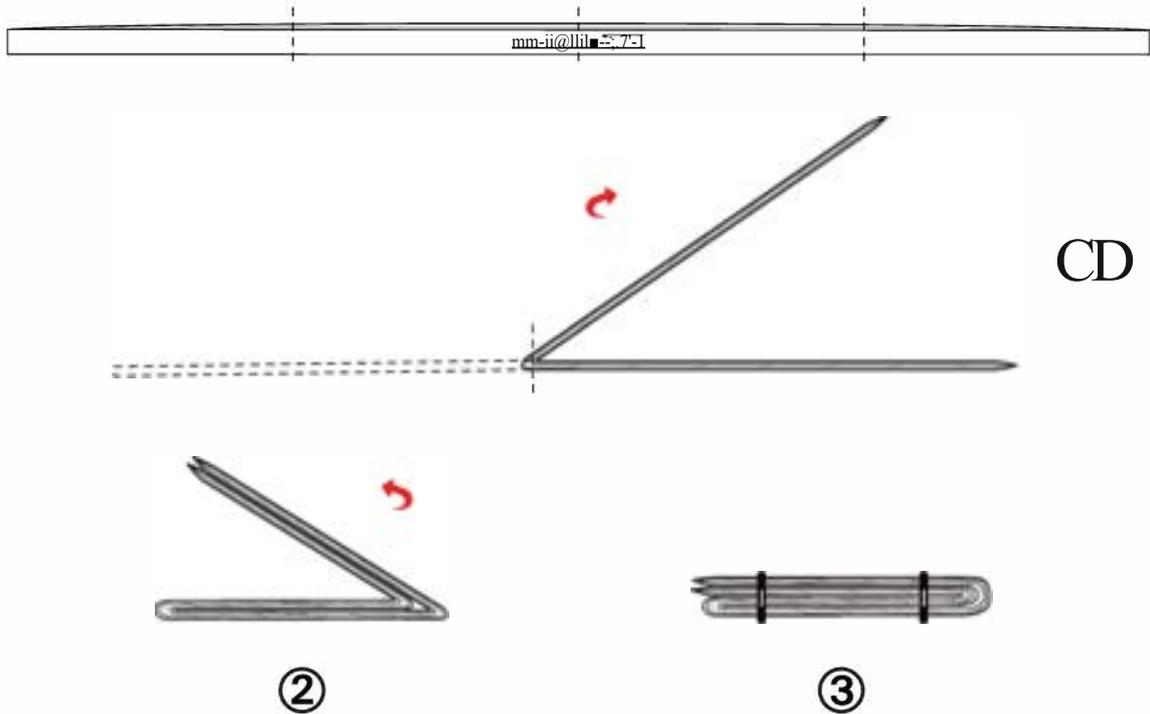
1. Open the deflation valve and use the air pump to deflate.
2. Fold the softbox in half.
3. Fold in four equal parts to the center.
4. Fold again.
5. Roll up the Storage.

## 8. Attaching the Aputure INFINIMAT Control Grid (8x8, 20x20)



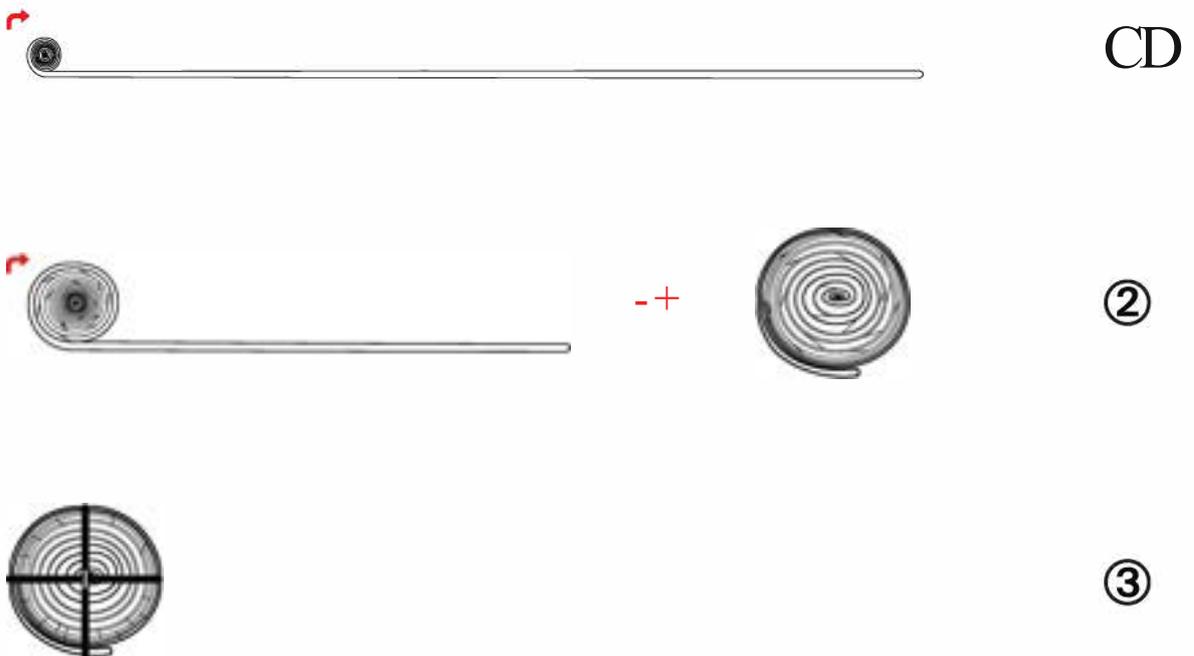
1. Remove the INFINIMAT Control Grid 8x8, 20x20 from its Protective Bag and undo the Tie Downs to unfold it.
2. Attach the grid onto the Inflatable Softbox using the Fastening Flaps one side at a time, ensuring all the corners and fasteners are aligned well.
3. Use the Fit Adjustment Flaps to readjust portions of the grid if the resulting fit is unsatisfactory.

## 9. Folding the Aputure INFINIMAT Control Grid 8x8



1. Collapse the Control Grid diagonally so it becomes flat and fold in half.
2. Fold in half again.
3. Tie up using the hook and loop straps.

## 10. Folding the Aputure INFINIMAT Control Grid 20x20



1. Collapse the Control Grid diagonally so it becomes flat and fold in half.
2. Roll it up.
3. Use two straps, tied in a criss-cross shape to secure.

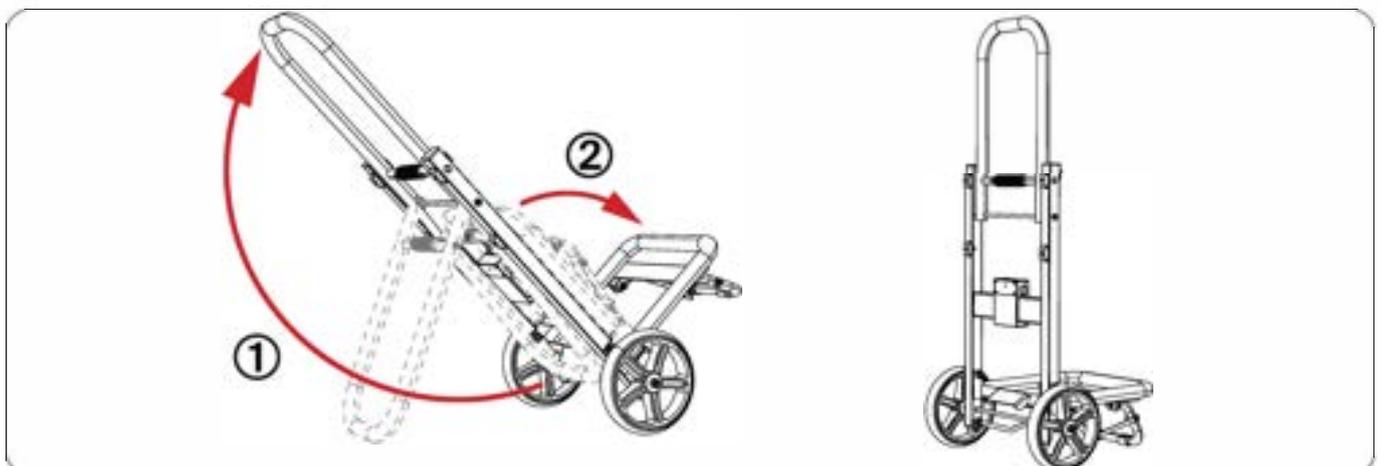
## 11. Attaching the Aputure INFINIMAT Control Skirt (8x8, 20x20)



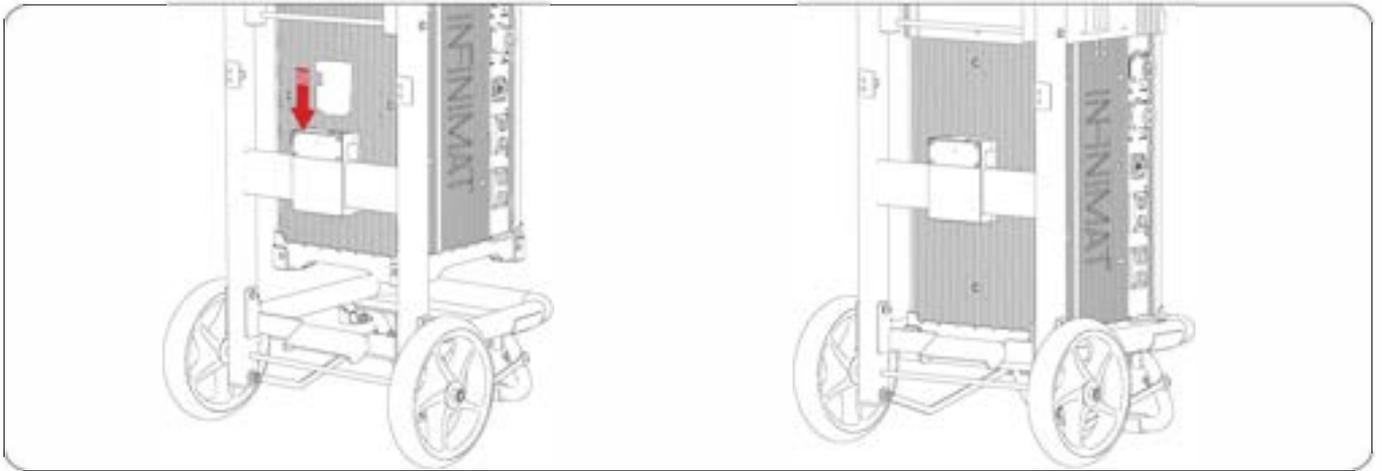
1. Remove the INFINIMAT Control Skirt from the Aputure INFINIMAT 8x8, 20x20 Protective Bag and unfold it.
2. Attach the skirt onto the Inflatable Softbox using the Fastening Flaps one side at a time, ensuring all the corners and fasteners are aligned.
3. Use the Skirt Adjusting Zippers on four corners of the skirt to release each Control Skirt loose.
4. Use the Skirt Adjusting Fasteners to affix the curtains in desired positions/shapes.

## 12. Installation and Disassembly of the Control Box 1600w Dolly (\*sold separately)

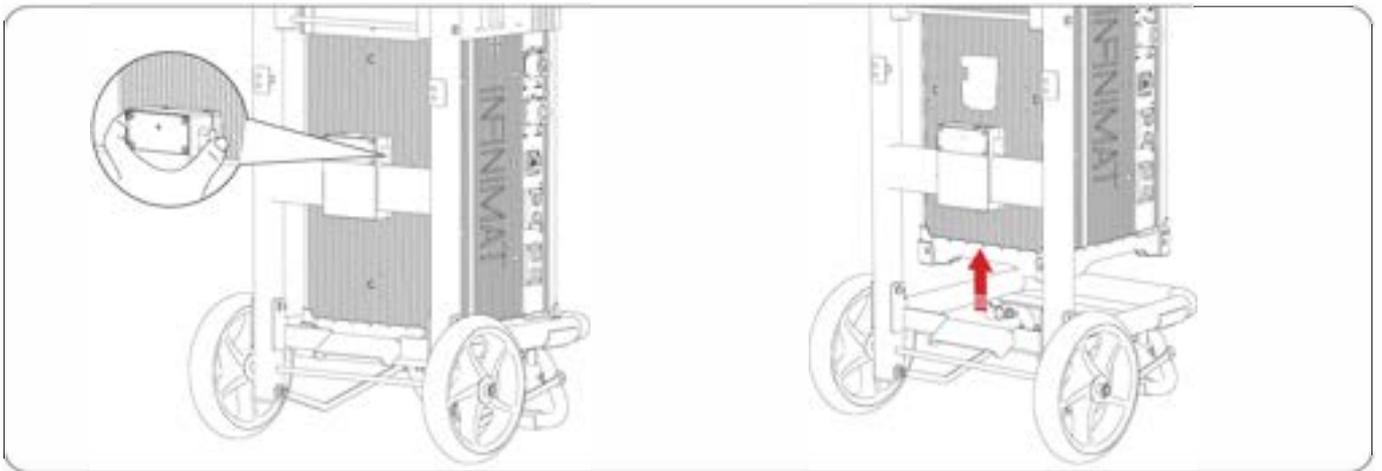
1. Unfold the Control Box Dolly.



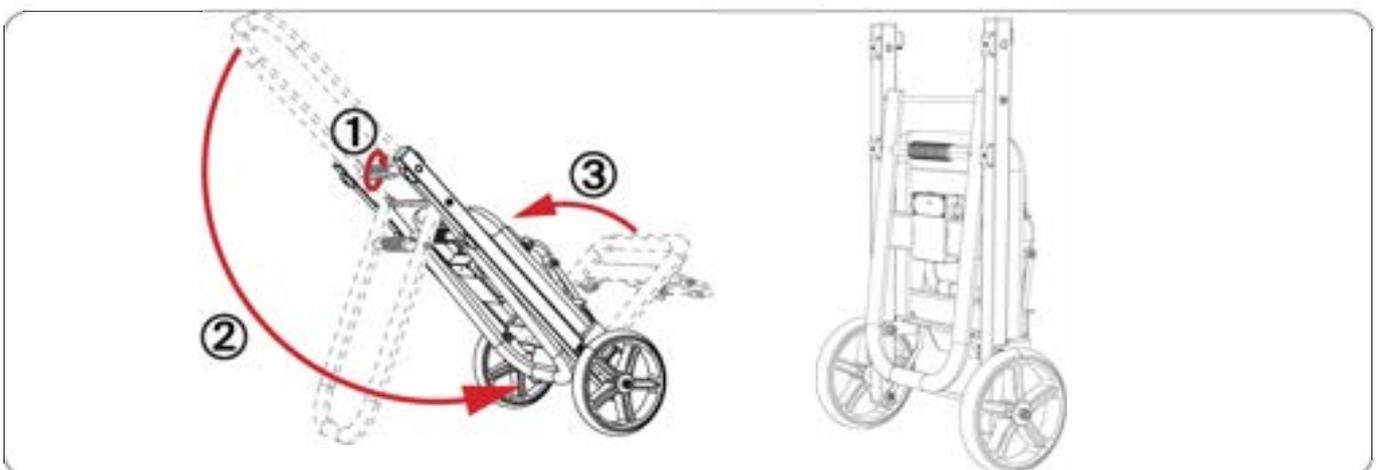
2. Lift the Control Box and insert it into the quick release mechanism of the dolly.



3. To remove the Control Box from the dolly, press the release button and lift up on the Control Box.

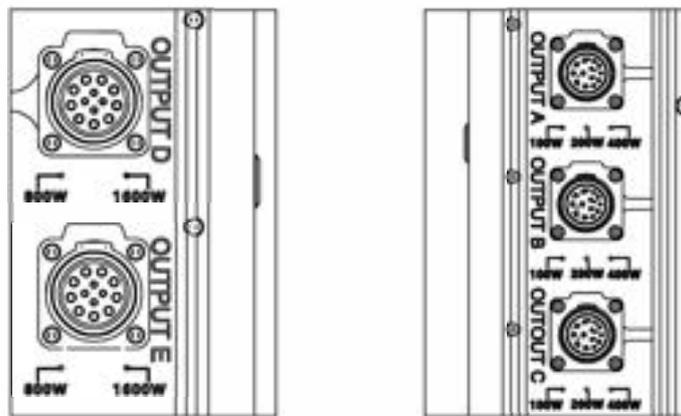


4. Fold and store the dolly.



### 13. Connecting the INFINIMAT(s) to the Control Box 1600W

- a. 1x2 (100W), 1x4 (200W), 2x4 (400W), 4x4 (800w) and 8x8 (1600W) INFINIMATs are compatible with the Control Box 1600W.
- b. Example output possibilities on the Control Box 1600W include:
  - i. 1X1600W
  - ii. 2x800W
  - iii. 1x 800W and 2 x 400W
  - iv. 1x 200W and 2 x 100W
  - v. 2x200W
  - vi. 1 X400W



On the Control Box 1600W, there are 5 output ports in total: (2) 1600W Head Cable ports (the D and E ports) and (3) 400W Head Cable ports (A, B, C ports). Upon inserting a lamp's head cable, the wattage is automatically recognized, and the corresponding Power Indicator Light will illuminate. Power is supplied sequentially through interfaces A-B-C-D-E. The Control Box can recognize the wattage of the lamp and determine if it can meet full power output. If not, it assesses if half-power output is feasible; if so, it proceeds with half-power output. If the Control Box has no more power available to distribute, then it recognizes the lamp but refrains from outputting.

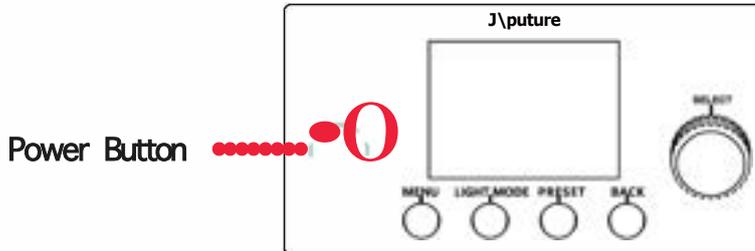
Separate indicator lights are provided to recognize the power of different lamp bodies.

GREEN	Full-Power for the INFINIMAT connected to this port.
YELLOW	Half-Power for the INFINIMAT connected to this port.
RED	Not enough Power for the INFINIMAT model connected to this port.
OFF	No INFINIMAT detected on this port.

# Operating Instructions

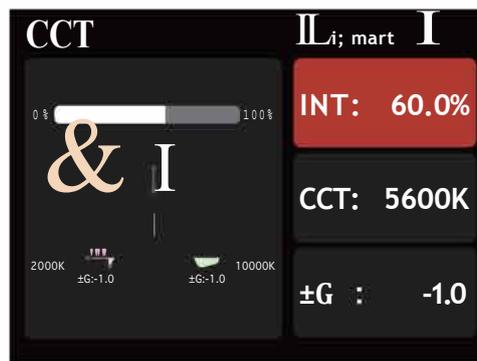
## 1. Powering On/Off

Connect the power cable and press the power button on the Control Box to turn on/off.



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

### 1.1 Status Indicator Icons



Lead/Follow Mode: Leader		Sidus Bluetooth	
Lead/Follow Mode: Follower		Receiving CRMX data	
Fan Mode:		Receiving CRMX/DMX data not present	
		CRMX Linked/No TX present	
		Network Control Protocol present	
		AC Power Detected	
Dimming Curve: Linear		15 Amp Power Cable Detected	
Dimming Curve: S-Curve		DC power supply: DC interface 1	
Dimming Curve: Exp		DC power supply: DC interface 2	
Dimming Curve: Log			

## 2. Manual Control with the Control Box

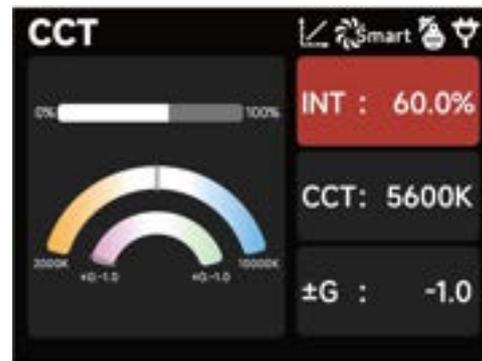
Press the button on the Control Box to enter the corresponding interface: MENU, LIGHT MODE, or PRESET.

### 2.1 Light Mode

Press the "Light Mode" button to enter the menu interface, which consists of CCT, HSIC+, RGB, GEL, SOURCE, xy, FX, Zone.

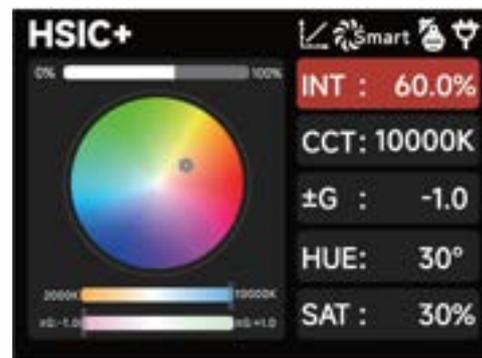
#### 2.1.1 CCT

Adjust the Color Temperature (2000K-10000K) and the Green correction level (-1.00 thru +1.00).



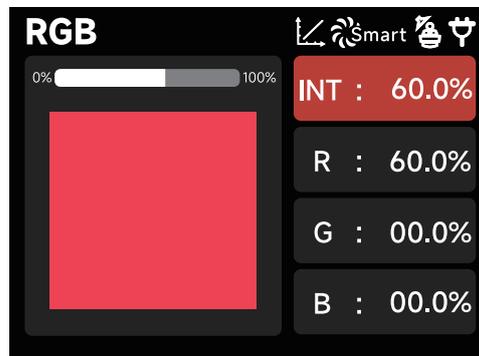
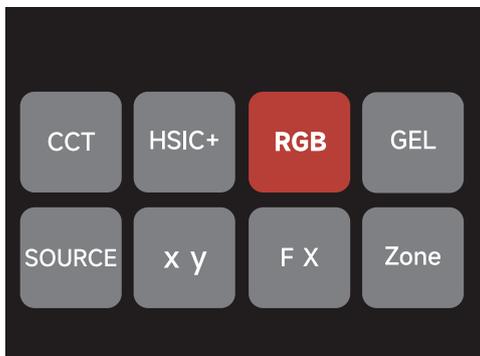
#### 2.1.2 HSIC+

Select the Color Temperature (2000K-10000K), the Green correction level (-1.00 thru +1.00), Hue (0° -360°) and Saturation (0-100%).



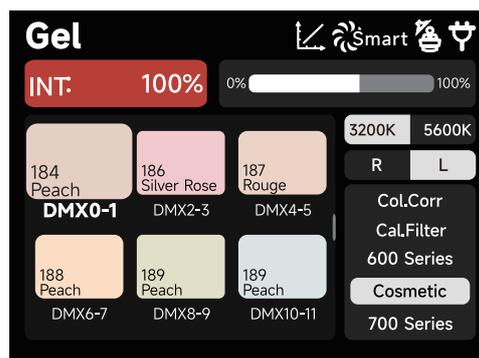
### 2.1.3 RGB

Set the values of Red, Green and Blue colors (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.



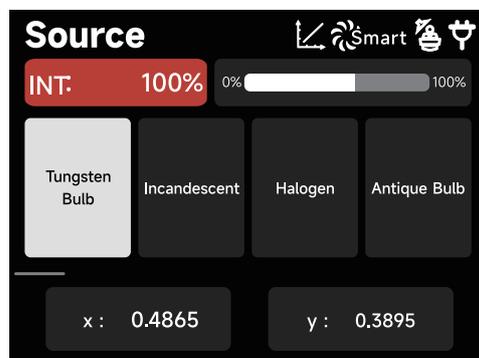
### 2.1.4 GEL

Select the Intensity, base Color Temperature, Gel Series and desired Gel.



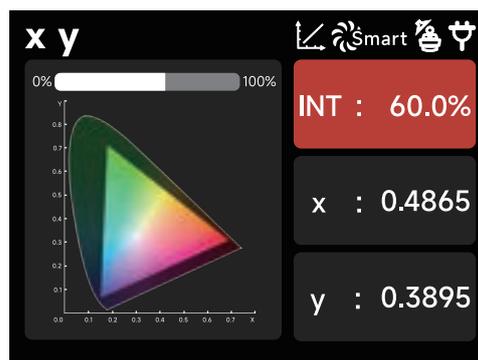
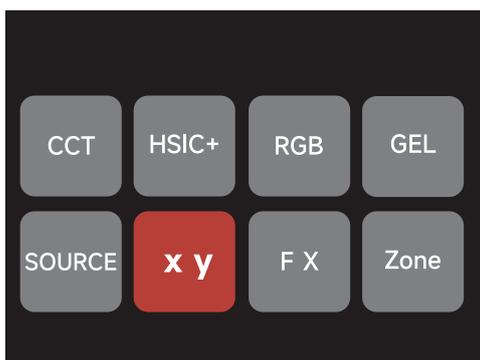
### 2.1.5 Source

Select the light source to mimic and fine tune the color of the light by adjusting xy coordinates.



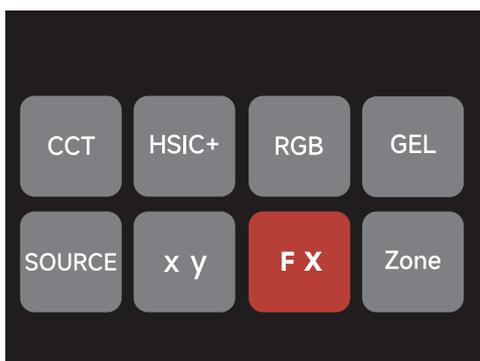
### 2.1.6 xy

Set the x or y coordinate value (0.0000-0.8000) and Intensity.



### 2.1.7 FX

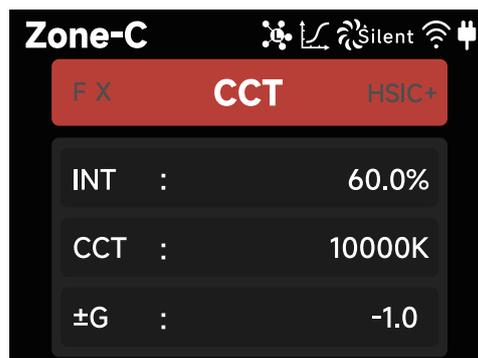
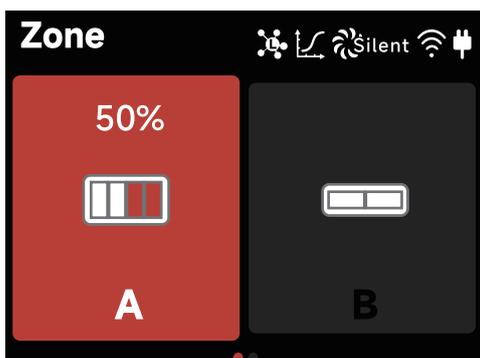
Select the FX mode: Paparazzi / Faulty Bulb II / TV II / Pulsing II / Party Lights / Club Lights / Color Chase / Candle / Welding II / Cop Car II / Strobe II / Lightning II / Fireworks / Explosion II.



### 2.1.8 Zone

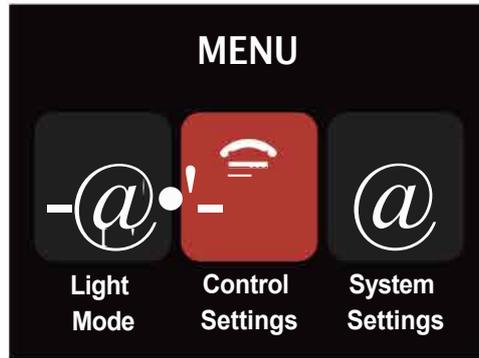
Select the Zone's port. Different ports can be selected for Color and Intensity changes.

By rotating the Select Wheel, you can choose the mode you need, and enter the next interface to adjust the detailed parameters; use the Back Button to switch to a different Zone.

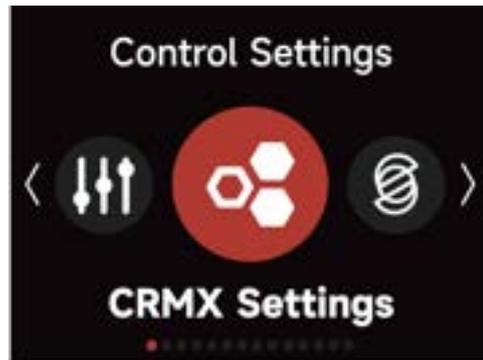


## 2.2 Control Settings

Press "MENU" to access the interface of the various settings. Choose between: Light Mode, Control Settings, System Settings.

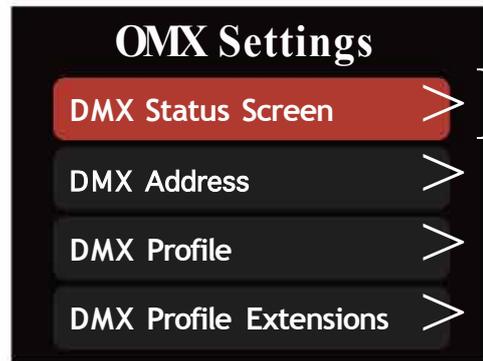


In the Control Settings, choose between: DMX Settings, CRMX Settings, Sidus BT Settings and Ethernet Settings.

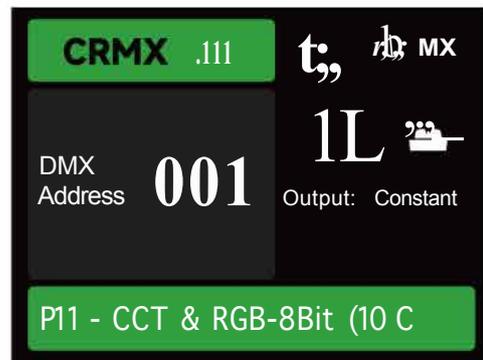


## 2.2.1 DMX Settings

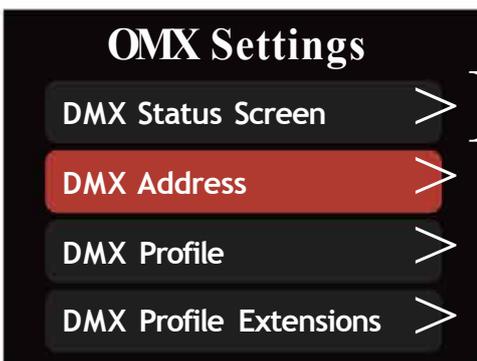
In DMX Settings, you can choose the following options.



1) DMX Status Screen: Displays information including: DMX Address, CRMX reception strength and the DMX Profile in use.

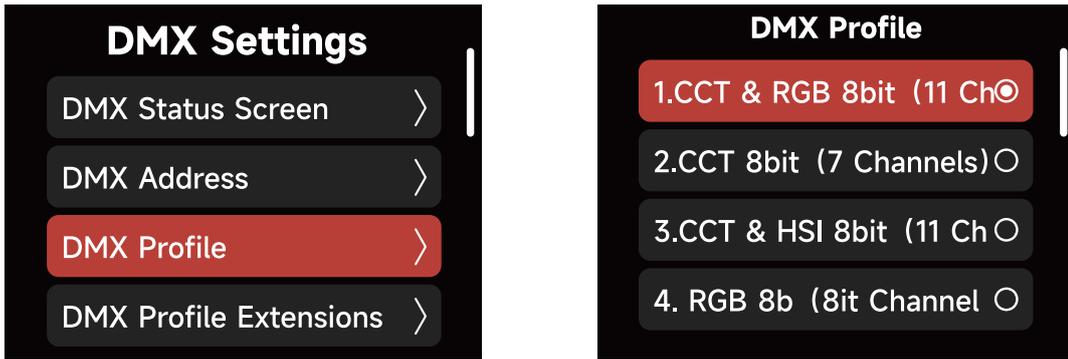


2) DMX Address: Set the DMX address of the Control Box.



\* The DMXAddress assigned to the Control Box, along with the chosen DMX Profile, is continuous across all lamp head ports. For example: If the User chooses to use Profile 4, which is "RGBWW 8Bit 7Channels" and the DMXAddress is set to "001", then Port A will be the (001) address, Port B will automatically be (008) and Port C will automatically be (015); this methodology also applies to Light Engine Modes and should be carefully considered when using fixtures with different amounts of pixels. If utilized, Function Configuration channels should also be accounted for.

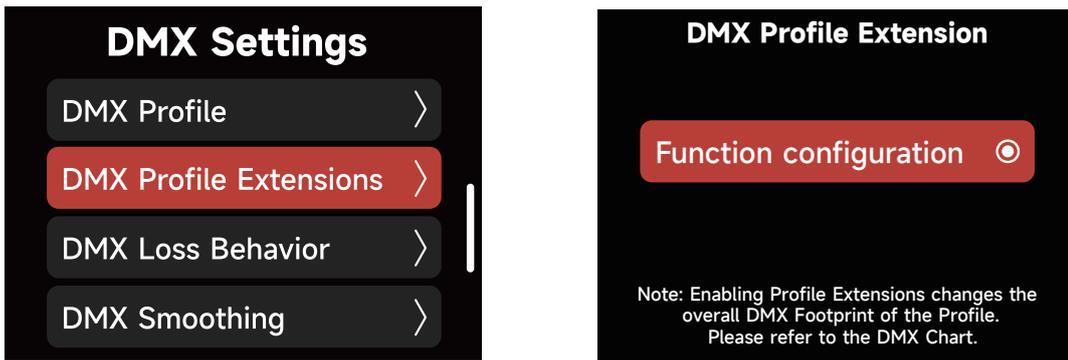
3) DMX Profile: Refer to the DMX Chart for details.



*Note: All fixtures attached to the same Control Box use the same DMX profile.*

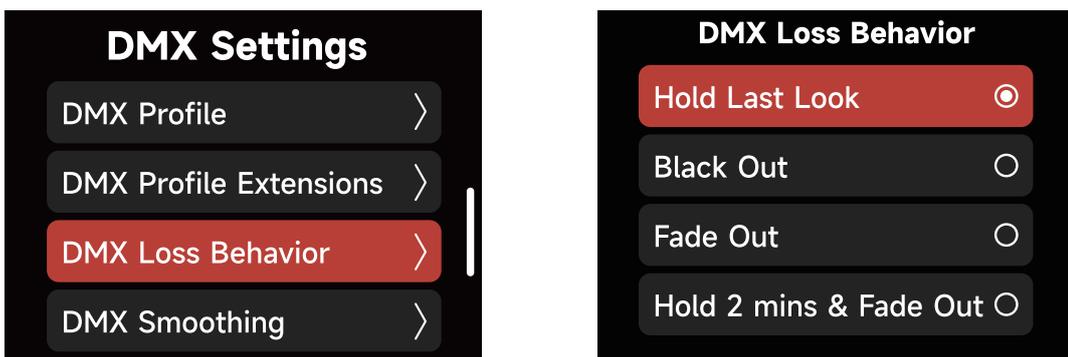
4) DMX Profile Extension:

Function Configuration: When enabled, the required channels (2 total channels) for the Fan and Dimming Curve are added after the end of the current DMX Profile's footprint; when using Light Engine Profiles, the Fan and Dimming Curve channels (2 total channels) are added after the last Light Engine's DMX footprint.



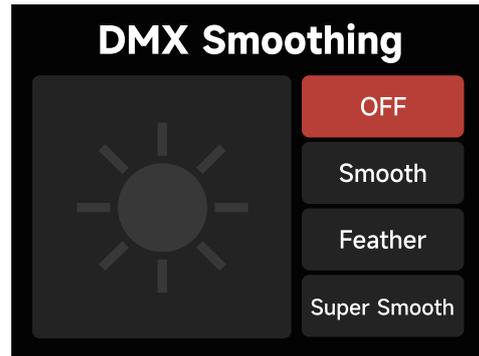
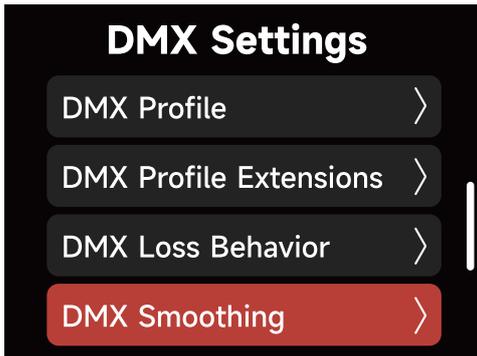
5) DMX Loss Behavior:

- ① Hold Last Look – holds the last control signal when the DMX signal is lost.
- ② Black Out – The light blacks out when the DMX signal is lost.
- ③ Fade to Black – fade to black over 60 seconds after the DMX signal is lost.
- ④ Hold 2 mins & Fade Out – hold the last control signal for 2 minutes and fade out over 60 seconds after the DMX signal is lost.

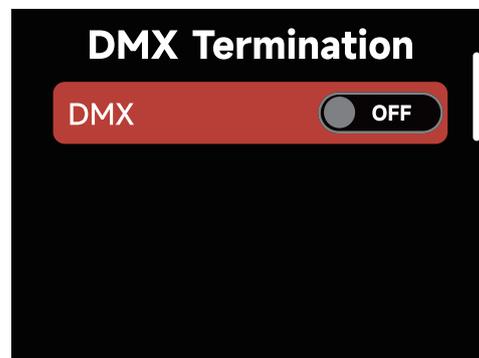
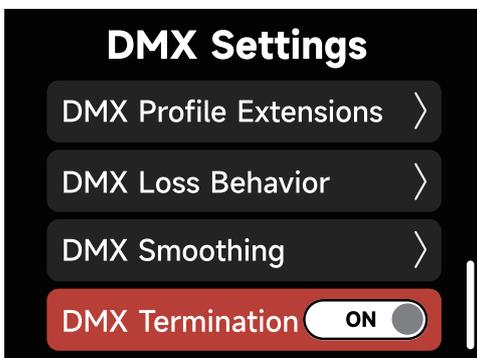


6) DMX Smoothing: set the smoothness of DMX dimming. You can choose between OFF, Smooth, Feather and Super Smooth.

OFF	No smoothing is applied to DMX Intensity Dimming
Smooth	Some smoothing is applied to DMX Intensity Dimming
Feather	Some smoothing is applied to DMX Low Intensity Dimming
Super Smooth	Maximum smoothing is applied to DMX Intensity Dimming

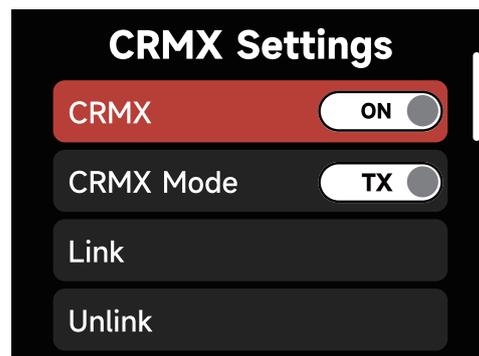
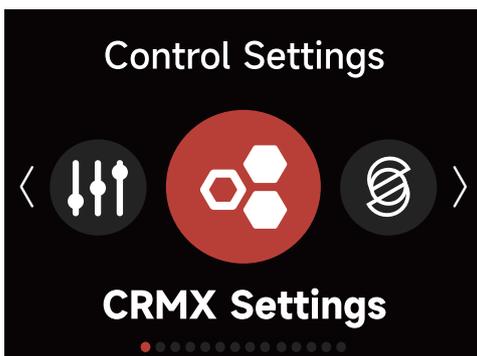


7) DMX Termination: Set this Control Box as the DMX connection termination point to prevent DMX signal reflection.



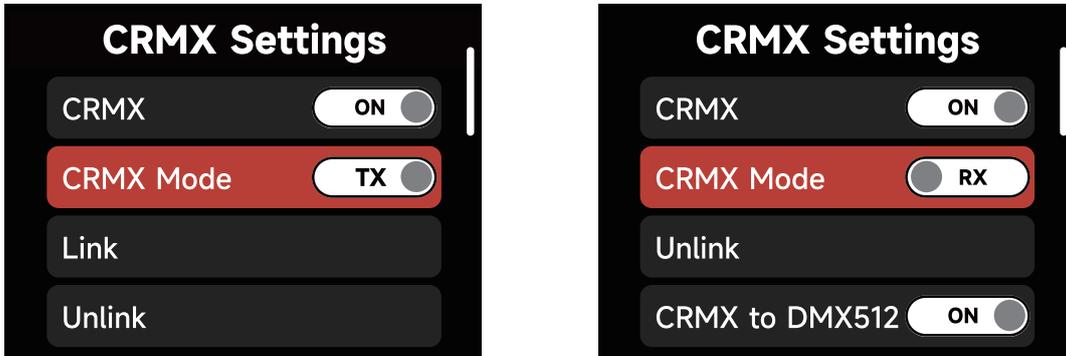
### 2.2.2 CRMX

Use the Select Wheel to turn CRMX ON/OFF and choose between TX or RX CRMX Mode.

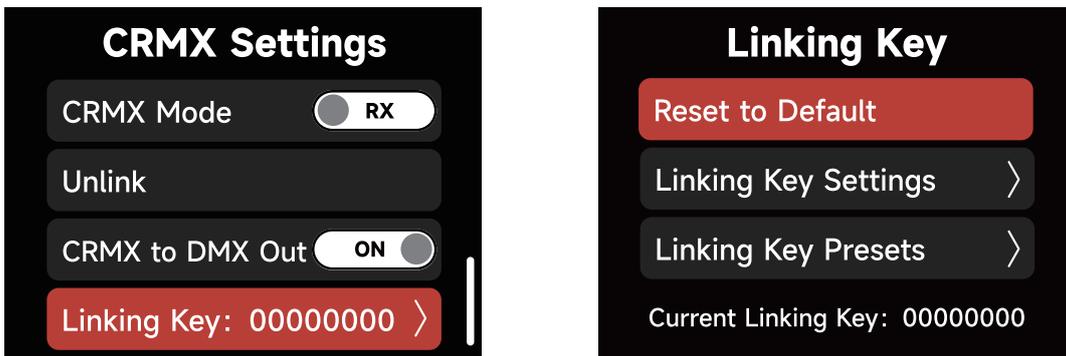


- 1) In TX mode, you can click the Link option to link with any receiving (RX) device which currently does not have a link. Selecting Unlink causes all RX devices to unlink from this TX.
- 2) When CRMX is ON/Enabled, the fixture will listen for its previously linked Transmitter. If the fixture is currently unlinked, it will listen for a Transmitter link signal and link to any new CRMX link signal received.

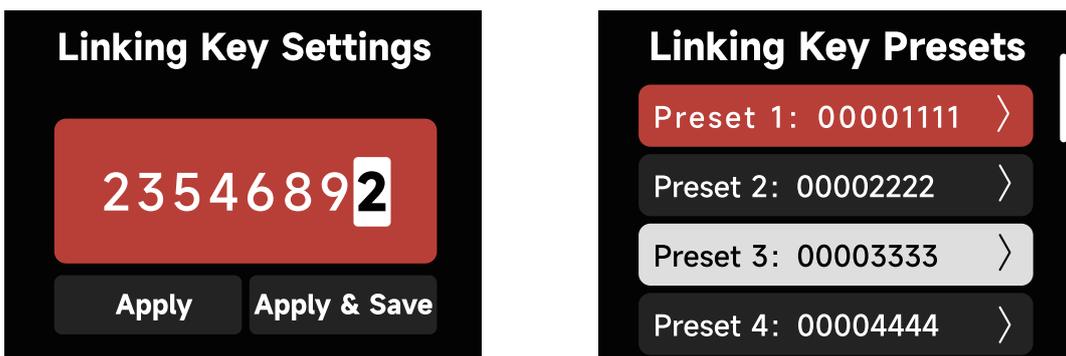
Users can Unlink from previously linked Transmitters by selecting "Unlink".



- 3) Linking Key: Provides the ability to set up and manage the Linking Key. The initial default Linking Key is set to "00000000".



- 4) In RX Mode, the Linking Key for the Control Box can be set in the Linking Key Settings. Linking Key Presets are also available. Choose "Apply" to adopt the set Linking Key. Choose "Apply & Save" to adopt the set Linking Key and save it to one of the ten possible Presets.

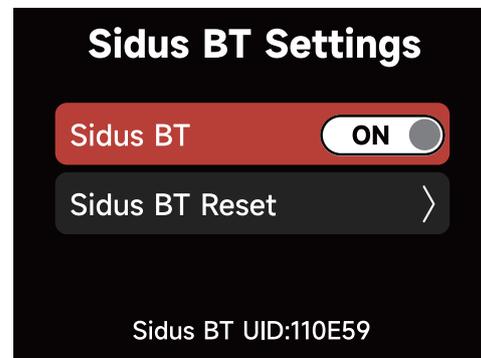
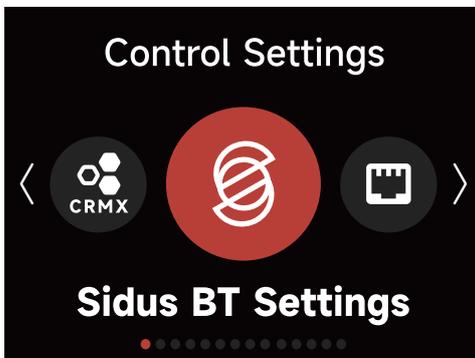


5) When the fixture is connected to a CRMX Transmitter, the Control Box will display the connection status in the DMX Status Screen.

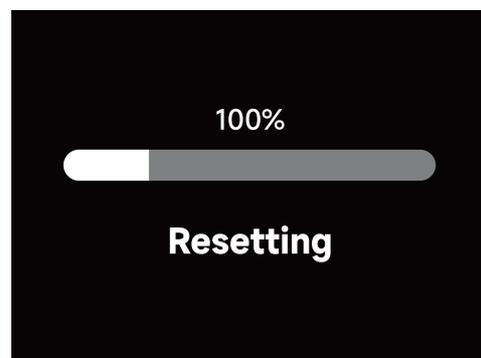
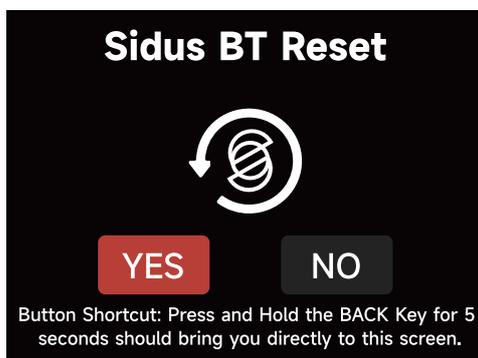


### 2.2.3 Sidus BT Settings

1) Enable/Disable Sidus Bluetooth.



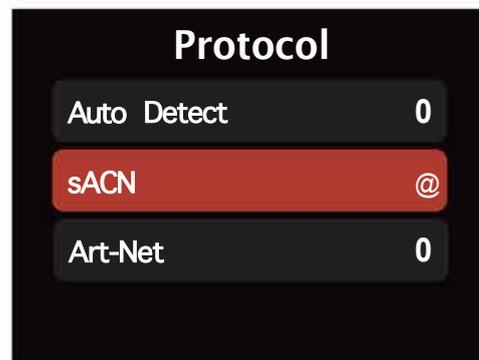
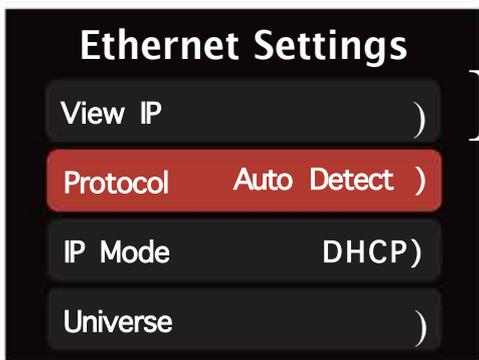
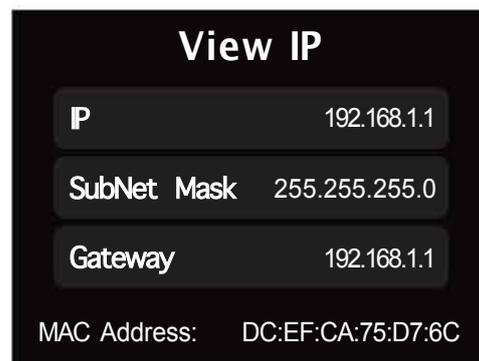
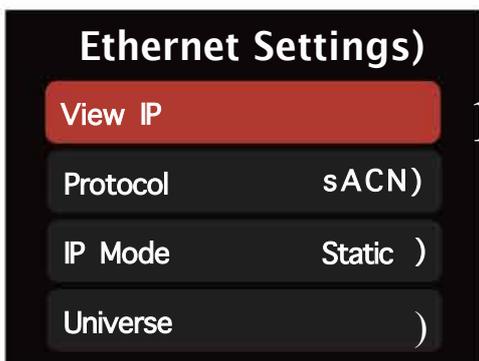
2) Use Sidus BT Reset to allow the Control Box to connect with a new controller. If Sidus BT fails to reset, a "Reset Failed" warning will pop up before returning to the Sidus BT Reset display.



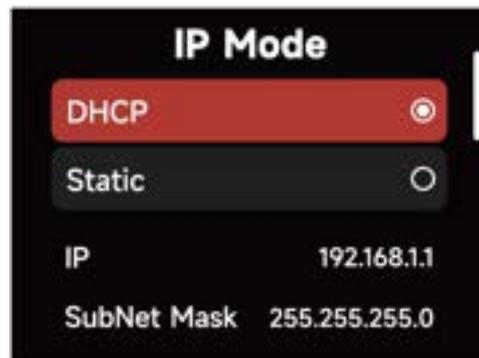
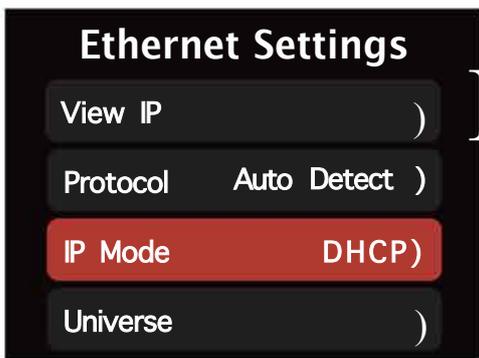


## 2.2.4 Ethernet Settings

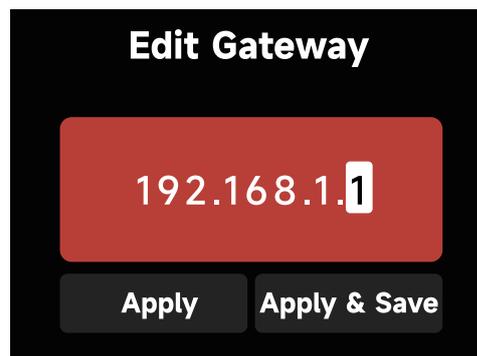
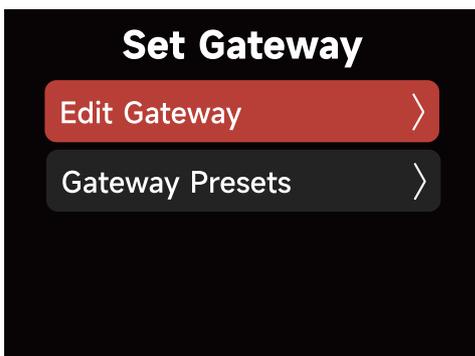
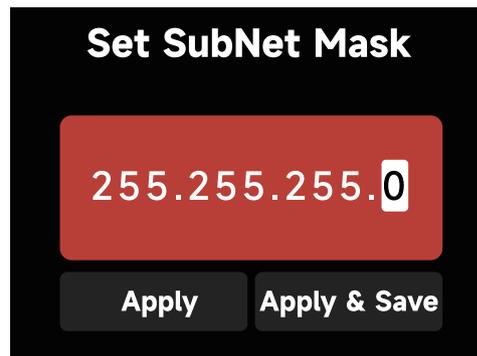
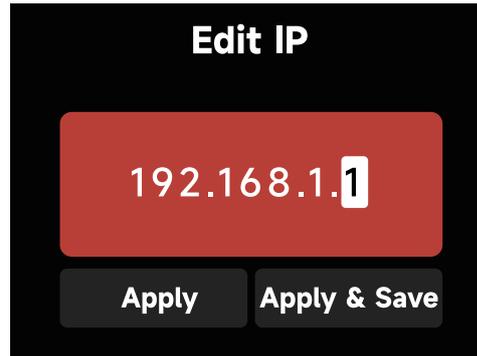
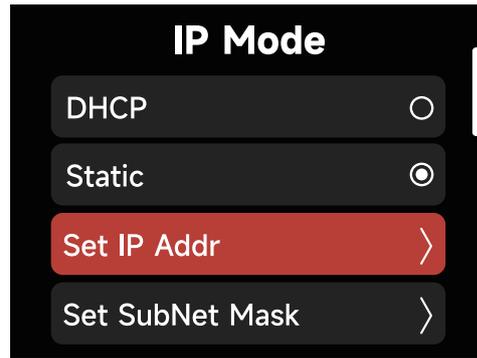
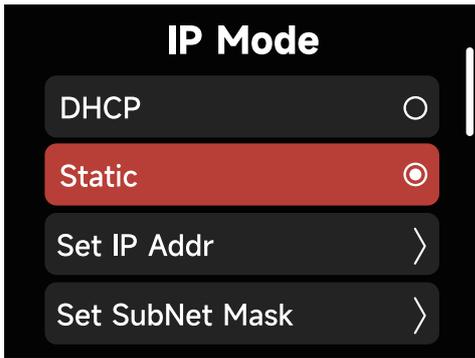
1) You can view the IP and set control protocol (Art-Net/sACN) here.



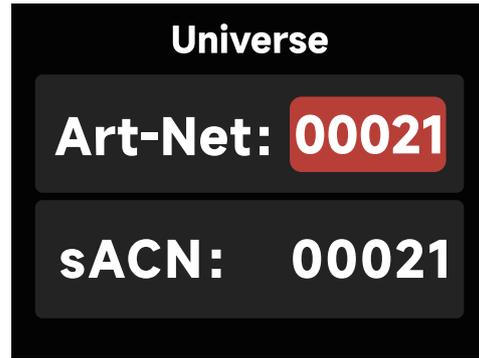
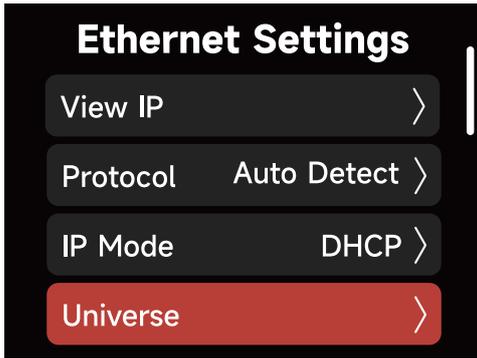
2) IP Mode DHCP: The fixture will automatically receive an IP address from the DHCP server. In Auto Set IP mode, you cannot edit the IP Address, Subnet Mask and Gateway IP Address.



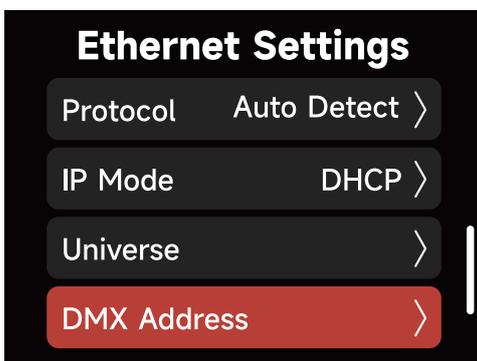
3) IP Mode Static: Manually set the IP address, Subnet Mask and the Gateway IP address.



4) Universe: Set the Universe of Art-Net and sACN.

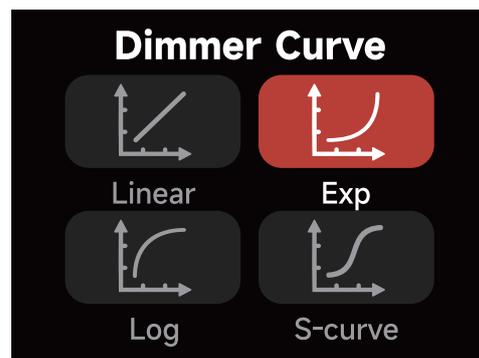
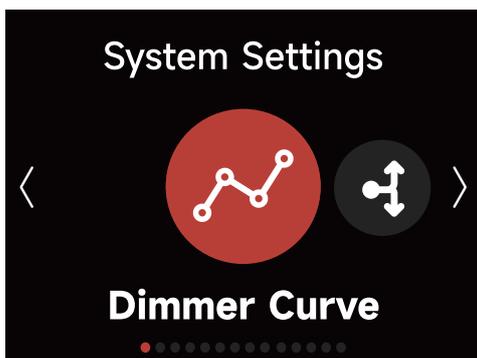


5) DMX Address: Set the DMX Address.



### 2.2.5 Dimming Curve

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



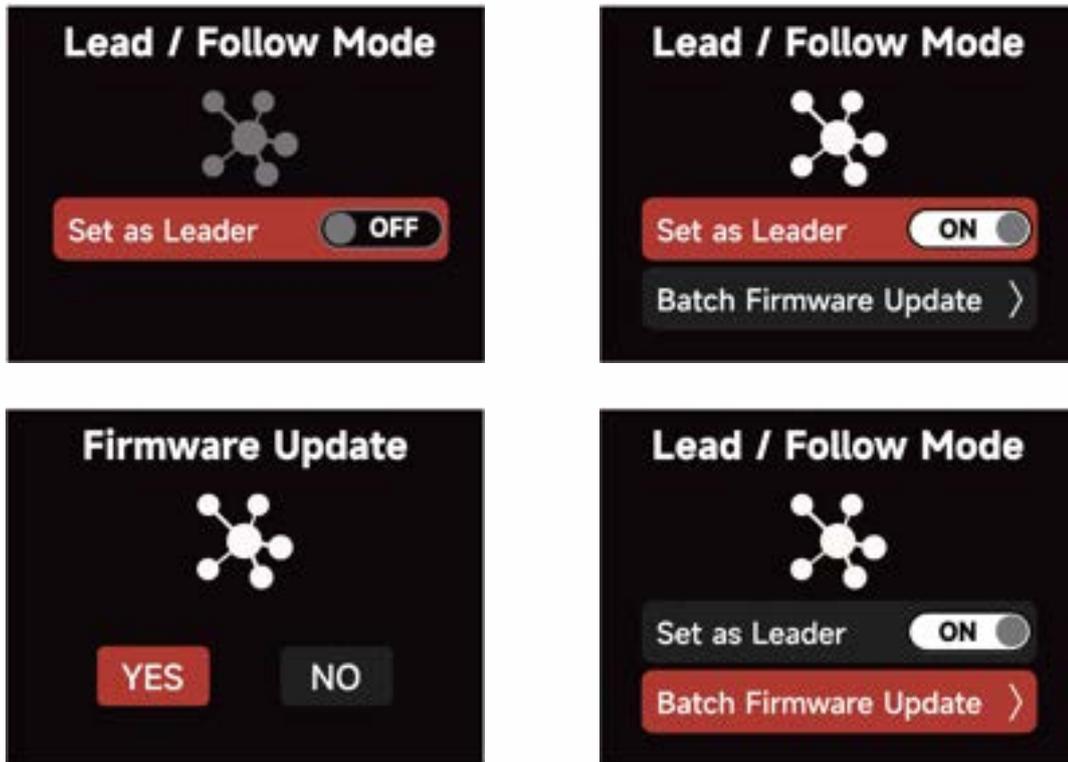
### 2.2.6 Output Settings

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.

## 2.2.7 Lead/Follow Mode

In this interface, set the fixture as either the Leader or the Follower (Leader/"OFPI 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.

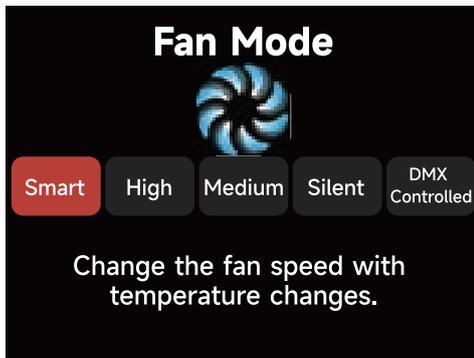


\* *The Leader fixture should be connected with the Followers via DMX to enable this function.*

\* *The USB flash disk containing the up-to-date firmware should be inserted into the Leader fixture to enable batch updates.*

## 2.2.8 Fan Mode

Rotate the Select Wheel to choose between Smart/High/Medium/Silent/DMX Controlled modes and press the wheel to select. If the high-temperature symbol appears in the Control Box display, please change the fan mode to “Smart” or “High” as instructed below. If the internal temperature of the fixture reaches the temperature threshold, the fixture will power off due to over-temperature protection.



**Smart:** able to work in -20°C through 45°C; the lamp will automatically adjust the fan speed according to different ambient temperatures.

**High :** able to work in -20°C through 45°C; fan will maintain its highest speed. In High-Speed Mode, the fan uses the High Fan setting.

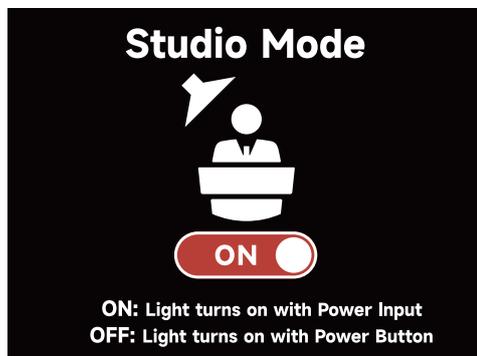
**Medium:** Capable of working in -20°C through 35°; the fan uses a medium speed.

**Silent:** able to work in -20°C through 45°C; the maximum output power of the fixture will be limited. In this mode, the fan produces the least amount of noise.

**DMX Controlled:** fan speed is controlled by the DMX signal. See the DMX Chart for specifics.

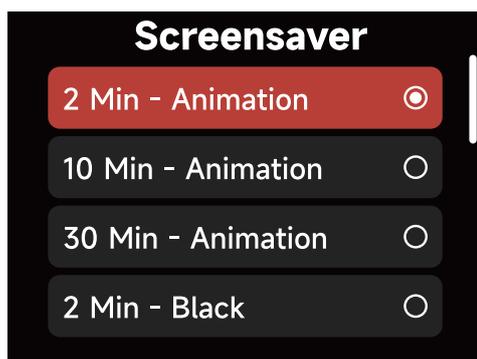
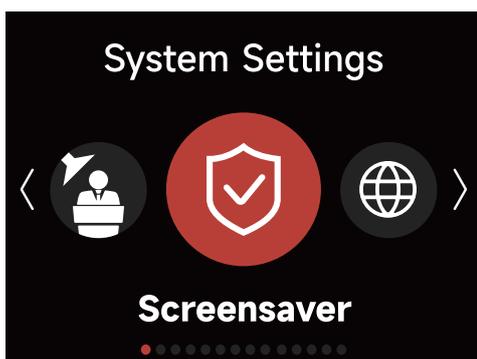
### 2.2.9 Studio Mode

Press Select to turn ON/OFF Studio Mode. When the 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 the fixture.



### 2.2.10 Screensaver

Select the Screensaver time and display behavior.



### 2.2.11 Language

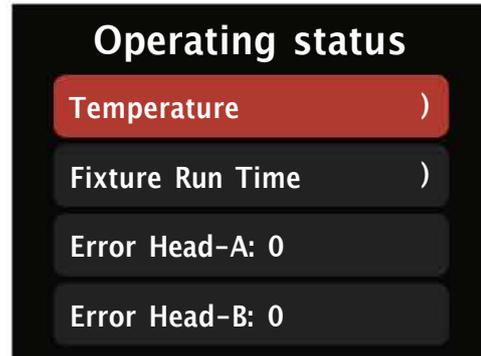
Select English or Chinese and press the Select Wheel to choose.



## 2.2.12 Product Info

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

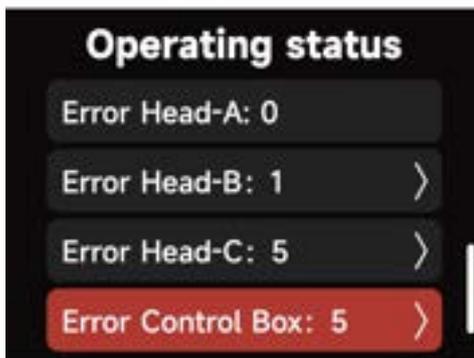
- 1) Firmware Version: Display the Firmware Version of the Control Box and Lamp Head.
- 2) SN: SN Code.
- 3) Sidus BT ID.
- 4) Hardware Version: Display the hardware versions of the Control Box and Lamp Head.
- 5) Operating status: Display the Temperature, Fixture Run Time and Error Code.



*\*Error Code: If the fixture fails, a pop-up window will appear to indicate an error. Errors can be referenced in the Product Info/Operating Status interface and are divided into two categories:*

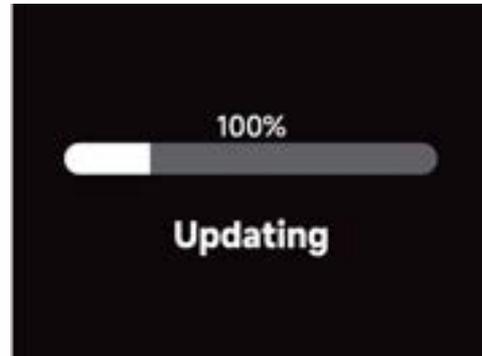
*a. Serious Error: When a serious error occurs, the fixture cannot be used and will be locked for protection. Please respond to the error according to the fault prompt.*

*b. General Error: When a general error occurs, the fixture is still available for use; you can enter the Product Info interface to view the error information.*



### 2.2.13 Update Firmware

You can 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 device. Remember to update both the Control Box and the connected Lamp Heads with any new firmware.



### 2.2.14 Factory Reset

Select "YES" if you wish to Factory Reset the fixture. Select "NO" to cancel.

You can choose Pixel Order Check, Reset CRMX, Reset Sidus BT or Default Language.

You may also press the Menu button for 5 seconds for a Factory Reset shortcut to appear.

Factory Settings:

Light Mode: CCT

Intensity: 50%

CCT:5600K

Language: English

Fan Mode: Smart

Dimming Curve: Linear

Studio Mode: OFF

Control System: Bluetooth enabled, CRMX disabled

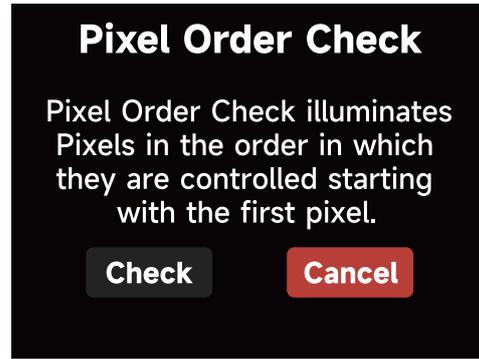
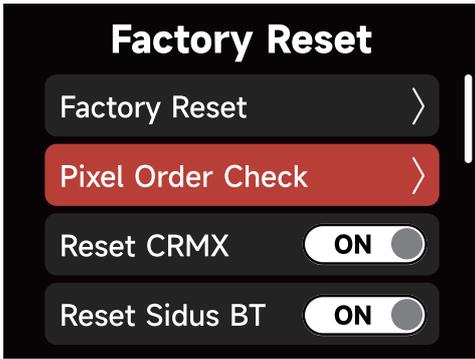
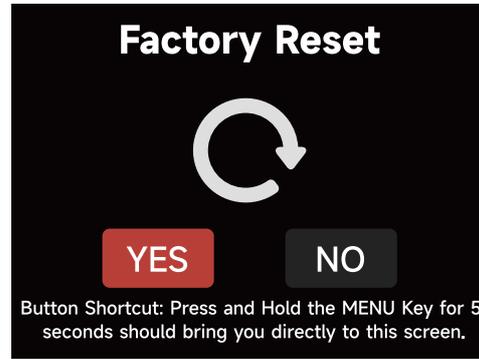
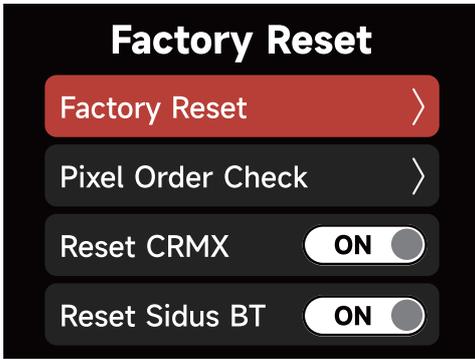
DMX: Channel 001

DMX Loss Behavior: Hold Last Look

DMX Termination: Off

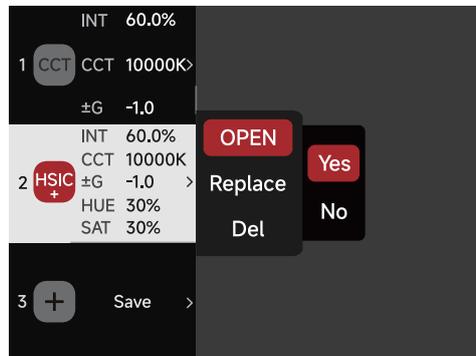
Sidus BT: ON

CRMX:OFF



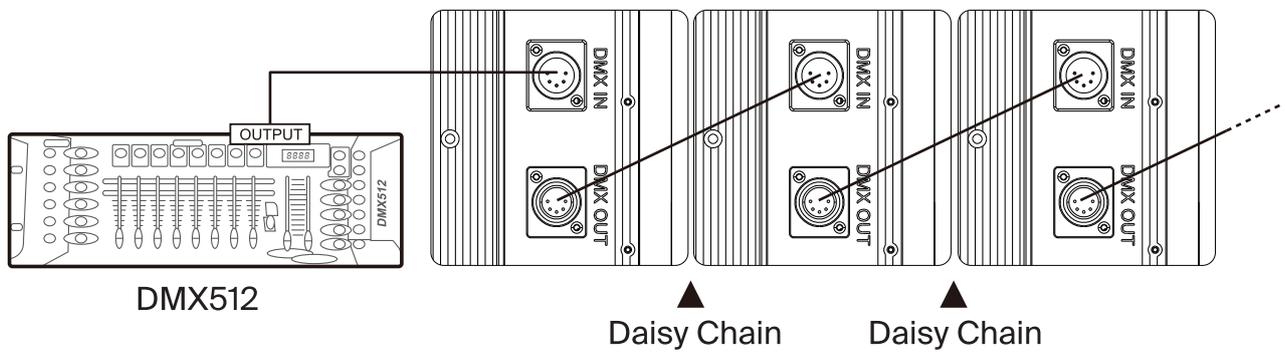
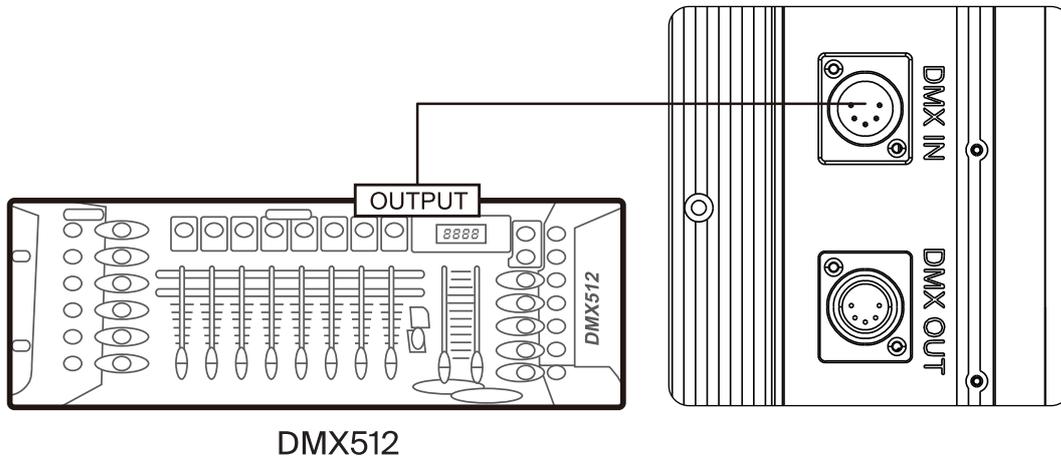
## 2.3 Presets

10 Light Mode Presets can be saved. Choose your settings within the CCT, HSIC+, RGB, XY, Source or Gel light modes. Then press the PRESET button to open the Preset interface. Select the Preset number to open, replace or delete the Preset



# Control with a DMX Console

Connect the Lighting Console to the INFINIMAT Control Box DMX IN Port:



## Controlling via DMX

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

## 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 your Aputure experience with these Apps.



Get Sidus Link<sup>®</sup> App



[Sidus.link/app/help](https://Sidus.link/app/help)

# Product Specifications

## INFINIMAT 8×8

CCT	2,000K – 10,000K
CRI	96+
TLCI	97+
CQS(5600K)	95
CQS(3200K)	97
SSI (D56)	74
SSI (D32)	84
TM-30 RF (Average)	93
TM-30 RG (Average)	100
Max Power Consumption	2000W
Max Power Output	1600W
Weather Resistance Rating	IP65
Pixel Count	16 pixels
Pixel Module	2×2
Softbox Inflation Time (Air Pump Max)	2 mins
Full-Inflation Duration	2 days
Operating Temperature	-20°C ~ 50°C
Storage Temperature	-20°C ~ 85°C
Control Methods	On-Board, Sidus Link and Sidus Link Pro Apps, DMX/RDM, CRMX, sACN/Art-Net
Firmware Upgradeable	Sidus Link and Sidus Link Pro Apps, USB-A Drive
Wireless Range (Bluetooth & CRMX)	≤100m / ≤328.1ft
Control Box Type	INFINIMAT Control Box 1600W

Weight	INFINIMAT 8×8	32.00kg / 70.55lbs
	Inflatable Softbox 8×8	9.20kg / 20.28lbs
	Light Control Skirt 8×8	3.45Kg / 7.61lbs
	Light Control Grid 8×8	3.50kg / 7.72lbs
	Flight Case for 8×8	40.00kg / 88.18lbs
Dimensions	INFINIMAT 8×8	239.00 x 239.00cm / 7.84 x 7.84ft
	Inflatable Softbox 8×8	239.00 x 239.00 x 27.00cm / 7.84 x 7.84 x 0.89ft
	Light Control Skirt 8×8	235.00cm x 234.00cm / 92.51 x 92.51in
	Light Control Grid 8×8	230.00cm x 230.00cm / 7.55 x 7.55ft
	Flight Case for 8×8	73.00 x 65.00 x 73.00cm / 28.74 x 25.60 x 28.74in

## INFINIMAT 20×20

CCT	2,000K – 10,000K
CRI	96+
TLCI	97+
CQS(5600K)	95
CQS(3200K)	97
SSI (D56)	74
SSI (D32)	84
TM-30 RF (Average)	93
TM-30 RG (Average)	100
Max Power Consumption	7680W
Max Power Output	6400W
Weather Resistance Rating	IP65
Pixel Count	64 pixels
Pixel Module	2×2

Softbox Inflation Time (Air Pump Max)		20 mins
Full-Inflation Duration		1 days
Operating Temperature		-20°C ~ 50°C
Storage Temperature		-20°C ~ 85°C
Control Methods		On-Board, Sidus Link and Sidus Link Pro Apps, DMX/RDM, CRMX, sACN/Art-Net
Firmware Upgradeable		Sidus Link and Sidus Link Pro Apps, USB-A Drive
Wireless Range (Bluetooth & CRMX)		≤100m / ≤328.1ft
Control Box Type		INFINIMAT Control Box 1600W
Weight	4 x INFINIMAT 8×8	4 x 32.00kg / 70.55lbs
	Inflatable Softbox 20×20	30.00kg / 83.73lbs
	Light Control Skirt 20×20	12.15kg / 26.79lbs
	Light Control Grid 20×20	6.15kg / 13.56lbs
	Flight Case for 20×20	50.00kg / 110.23lbs
Dimensions	INFINIMAT 8×8	239.00 x 239.00cm / 7.84 x 7.84ft
	Inflatable Softbox 20×20	580.00 x 580.00 x 370.00cm / 19.03 x 19.03 x 1.21ft
	Light Control Skirt 20×20	573.00cm x 573.00cm / 225.60 x 225.60in
	Light Control Grid 20×20	590.00cm x 590.00cm / 19.36 x 19.36ft
	Flight Case for 20×20	86.00 x 65.00 x 80.00cm / 33.86 x 25.60 x 31.50in

## **INFINIMAT Control Box 1600W**

Operating Voltage	100 - 240 VAC
Operating Current	23-9 A
Wireless Range (Bluetooth & CRMX)	≤100m / ≤328.1ft
Interface	3 x 100W/200W/400W 2 x 800W/1600W
AC Cable	6m
Head Cable	7.5m , 15m
DC Interface 1 & 2	48V
Cooling Method	Active Cooling
Protection grade	IP65
Dimensions	27.30 x 26.20 x 55.00cm / 10.75 x 10.31 x 21.65in
Weight	19.38kg / 42.73lbs
Rolling Case Dimensions	68.0 x 45.0 x 40.7cm / 26.77 x 17.71 x 16.02in
Rolling Case Weight	7.5kg / 16.53lbs

# Photometric Data

## INFINIMAT 8x8

CCT	Distance	No Modifier	Inflatable Softbox	Inflatable Softbox + Control Grid
2,000K	3 m	5,330 lux	4,150 lux	3,250 lux
		496 fc	386 fc	302 fc
	5 m	2,339 lux	1,758 lux	1,393 lux
		218 fc	163 fc	130 fc
	7 m	1,345 lux	997 lux	778 lux
		125 fc	93 fc	72 fc
3,200K	3 m	6,530 lux	5,070 lux	4,050 lux
		607 fc	472 fc	377 fc
	5 m	2,869 lux	2,138 lux	1,705 lux
		267 fc	199 fc	159 fc
	7 m	1,651 lux	1,210 lux	953 lux
		154 fc	113 fc	89 fc
4,300K	3 m	7,010 lux	5,330 lux	4,230 lux
		652 fc	496 fc	393 fc
	5 m	3,090 lux	2,250 lux	1,830 lux
		287 fc	209 fc	170 fc
	7 m	1,730 lux	1,270 lux	1,008 lux
		161 fc	118 fc	94 fc
5,600K	3 m	7,230 lux	5,630 lux	4,460 lux
		672 fc	524 fc	415 fc
	5 m	3,170 lux	2,385 lux	1,895 lux
		295 fc	222 fc	176 fc
	7 m	1,828 lux	1,340 lux	1,062 lux
		170 fc	125 fc	99 fc

6,500K	3 m	7,040 lux	5,490 lux	4,350 lux
		655 fc	511 fc	405 fc
	5 m	3,090 lux	2,321 lux	1,844 lux
		287 fc	216 fc	171 fc
	7 m	1,781 lux	1,307 lux	1,035 lux
		166 fc	122 fc	96 fc
10,000K	3 m	6,480 lux	5,070 lux	4,080 lux
		603 fc	472 fc	379 fc
	5 m	2,840 lux	2,141 lux	1,705 lux
		264 fc	199 fc	159 fc
	7 m	1,636 lux	1,210 lux	960 lux
		152 fc	113 fc	89 fc

### INFINIMAT 20x20

CCT	Distance	No Modifier	Inflatable Softbox	Inflatable Softbox + Control Grid
2,000K	5 m	/	3,910 lux	2,047 lux
		/	364 fc	190 fc
	7 m	/	1,995 lux	1,044 lux
		/	186 fc	97 fc
	9 m	/	1,207 lux	632 lux
		/	112 fc	59 fc
3,200K	5 m	/	5,070 lux	3,090 lux
		/	472 fc	287 fc
	7 m	/	2,587 lux	1,577 lux
		/	241 fc	147 fc
	9 m	/	1,565 lux	954 lux
		/	146 fc	89 fc

4,300K	5 m	/	5,240 lux	3,250 lux
		/	487 fc	302 fc
	7 m	/	2,673 lux	1,658 lux
		/	249 fc	154 fc
	9 m	/	1,617 lux	1,003 lux
		/	150 fc	93 fc
5,600K	5 m	/	5,490 lux	3,610 lux
		/	511 fc	336 fc
	7 m	/	2,801 lux	1,842 lux
		/	260 fc	171 fc
	9 m	/	1,694 lux	1,114 lux
		/	158 fc	104 fc
6,500K	5 m	/	5,680 lux	3,760 lux
		/	528 fc	350 fc
	7 m	/	2,898 lux	1,918 lux
		/	270 fc	178 fc
	9 m	/	1,753 lux	1,160 lux
		/	163 fc	108 fc
10,000K	5 m	/	5,070 lux	3,430 lux
		/	472 fc	319 fc
	7 m	/	2,587 lux	1,750 lux
		/	241 fc	163 fc
	9 m	/	1,565 lux	1,059 lux
		/	146 fc	98 fc

# Using the Aputure INFINIMAT Patch Kit

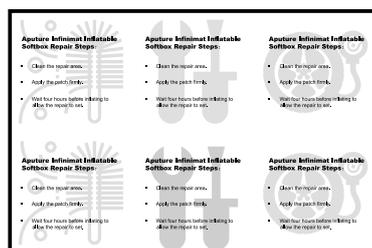
To ensure the Inflatable Softbox operation, prevent contact with sharp objects. In the event of airbag deflation due to punctures, use the included INFINIMAT Patch Kit for repair.

1. Locate the source of the air leak, using a small amount of soap water made with mild detergent is recommended when locating punctured areas that are too small to find with naked eyes.
2. Measure the size of the opening, and deflate the damaged airbag.
3. Cut the provided Patch Kit into appropriate size for the repair required, making sure there is a minimum of 1" (25mm) of the tape surrounding the damaged area.
4. Adhere the tape onto the damaged area, ensuring a complete contact is achieved between the tape and the airbag.
5. Allow 4 hours for the basic amount of adhesion to be achieved. The airbag is now ready for inflation again - do not overinflate.

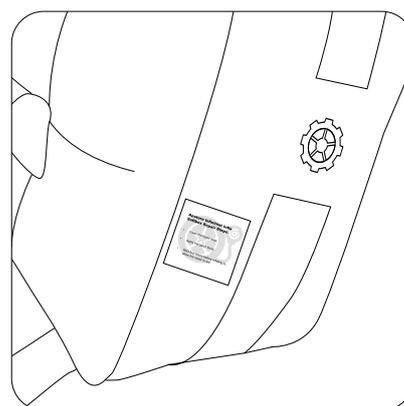
*\* Once repaired with a Patch Kit, the airbag may deflate more easily compared to an airbag that is entirely free of any air leaks. Depending on the size of the damage, here are the estimated duration of air retention for different repaired Inflatable Softbox sizes:*

- 1x2 to 4x4: 18-24 hours
- 6x6 to 20x20: 2-4 hours

*\*In order to ensure optimum performance of the Inflatable Softbox after a puncture has occurred, replace the damaged unit with a new one.*



Aputure INFINIMAT Patch Kit



# Important 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](mailto: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 people operating the fixture.
12. Power this fixture by connecting it to a grounded outlet.
13. Do not block the ventilation openings or look at the LED light source directly when it is powered on.
14. Do not place the product near combustible and volatile solvents to avoid product damage.
15. Use a soft and dry cloth to clean the device.
16. Ensure all the ports and plugs are completely dry when using the fixture in wet environments to avoid short circuit or electric shock.
17. 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.



18. 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.
19. 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.
20. 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.

### **Safety Instructions for Inflatable Softbox**

1. Inflatable Softbox should be kept away from sharp objects to avoid puncturing the airbag.  
Users should ensure that there are no sharp objects in the vicinity when using the airbag.
2. Use the inflation tools or equipment provided or recommended by Aputure to ensure proper inflation of the airbag and avoid using inappropriate inflation tools with excessive power.
3. Before using the INFINIMAT air pump for inflation, please ensure that the inflatable soft box is laid out evenly to avoid uneven inflation, which may lead to the rupture of internal softbox straps.
4. During the inflation process, if you notice that the inflatable airbag starts to visibly expand and the pressure relief valve begins to operate to release gas, this is a normal phenomenon designed to prevent over-inflation of the airbag and reduce the risk of damage. At this point, please stop the inflation operation immediately.
5. If you discover a leak in the inflatable softbox, you can use provided repair patches to fix it. These repair patches can effectively seal small holes or cracks on the airbag, ensuring that the airbag remains intact. To ensure that the repair patches are properly applied, the repair instructions provided by Aputure should be followed. This will extend the life of the inflatable softbox and ensure its proper operation.
6. When not in use, store the equipment in a dry environment, away from water sources, humidity, and extreme temperatures.

# 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.