

Aputure[®]

Light  storm

LS 600d

Product Manual

English

Thank You!

Thank you for purchasing the Aputure Light Storm 600d.

The Aputure LS 600d is an incredibly powerful and feature-packed fixture, containing all pre-existing Light Storm features such as Bowens Mount modularity, and wireless remote & app control, DMX 512, a DC battery input.

IMPORTANT SAFETY INSTRUCTIONS

When using this unit, basic safety precautions should always be followed, including the following:

1. Read and understand all instructions before using.
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 a 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 of the fixture should be used. Cords rated for less amperage than the fixture may 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.
9. To reduce the risk of electric shock, do not immerse this fixture in water or any other liquids.
10. To reduce the risk of fire or electric shock, do not disassemble this fixture. Contact cs@aputure.com or take it to qualified service personnel when service or repair work is required. Incorrect reassembly may cause electric shock when the lighting fixture is in use.
11. The use of an 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. Please remove the protective cover before powering on the light.
14. Please remove the protection cover before using the reflector.
15. Please do not block the ventilation and do not look at the light directly when it is powered on.
16. Please do not place the LED lighting fixture near any flammable object.
17. Only use a dry microfiber cloth to clean the product.
18. Please have the product checked by an authorized service personnel agent if your product has a problem.
19. The malfunctions caused by unauthorized disassembly are not covered under the warranty.
20. We recommend only using the original Aputure cable accessories. Please note that our warranty for this product does not apply to any repairs required due to any malfunctions of unauthorized Aputure accessories, although you may request such repairs for a fee.



21. This product is certified by RoHS, CE, KC, PSE, and FCC. Please operate the product in full compliance with the operation standards. Please note that this warranty does not apply to repairs arising from malfunctions, although you may request such repairs on a chargeable basis.
22. The instructions and information in this manual are based on thorough, controlled company testing procedures. Further notice will not be given if the design or specifications change.

SAVE THESE INSTRUCTIONS

FCC Compliance Statement

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference.
- (2) This device must accept any interference received, including interference that may cause undesired operation.

Warning: Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE: 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 reorient or relocate the receiving antenna.

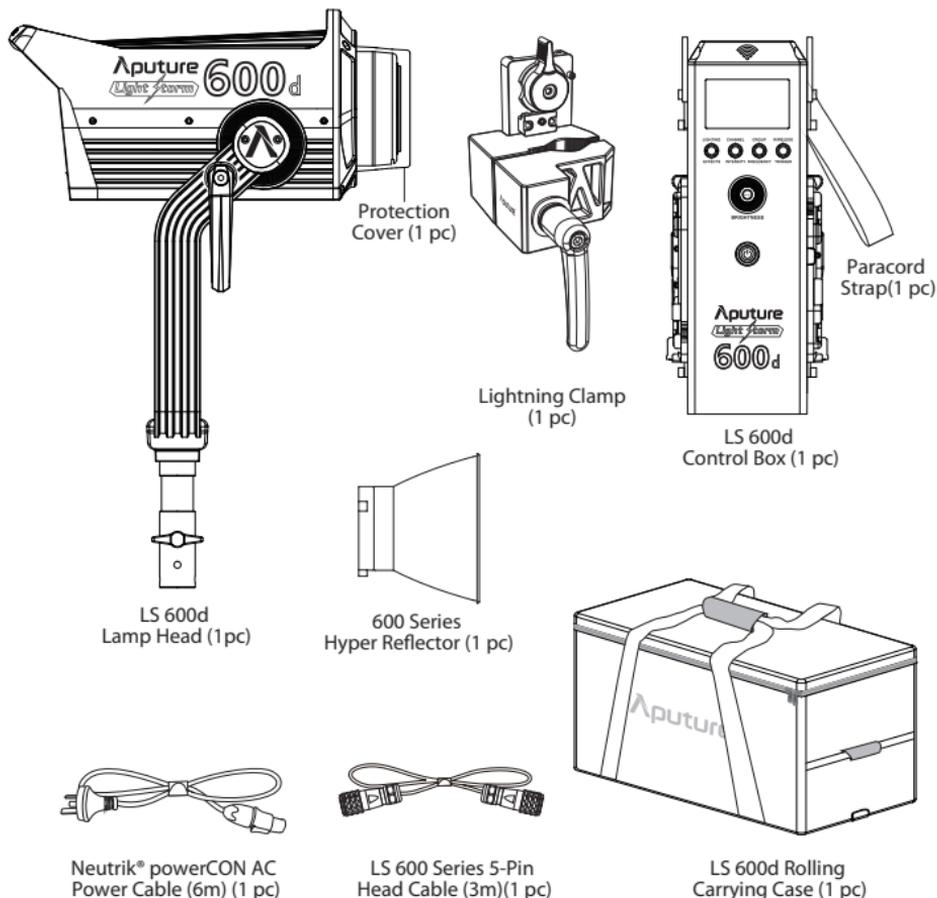
- Increase the separation between the equipment and receiver.
- Connect the equipment to an outlet on a different circuit than the receiver is connected to.
- Consult the dealer or an experienced radio/TV technician for help.

RF Warning Statement:

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

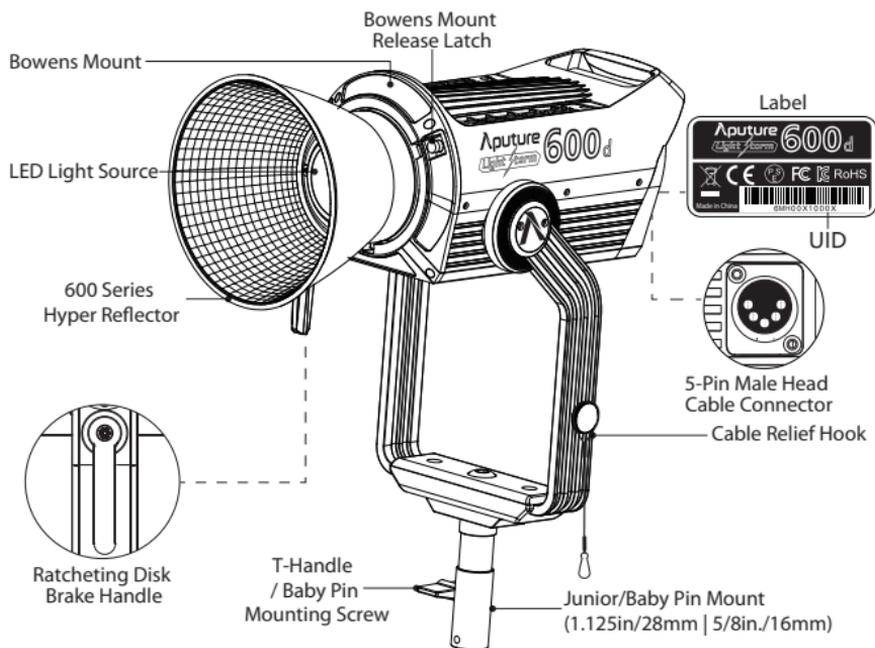
Components List

Please make sure all accessories listed below are completed before using. If not, please contact with your sellers immediately.

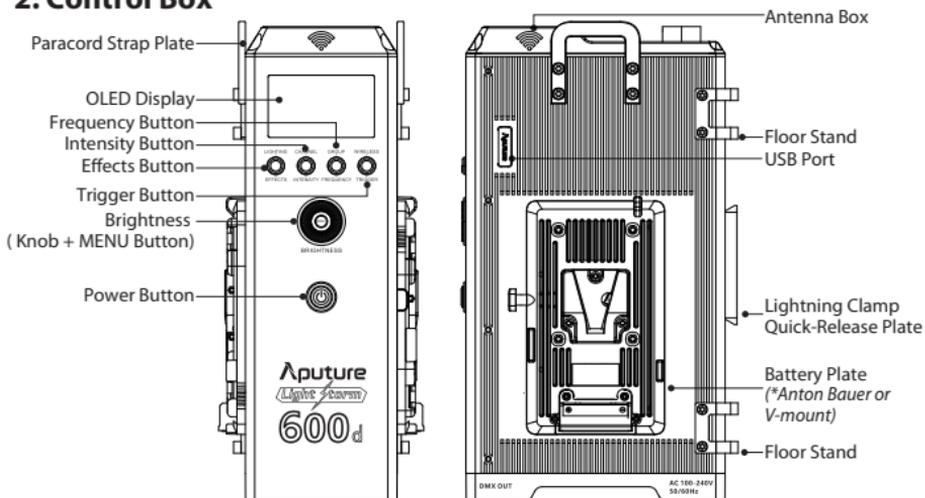


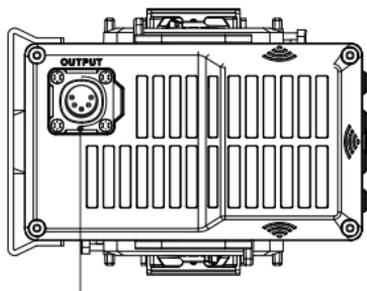
Product Details

1. Lamp Head

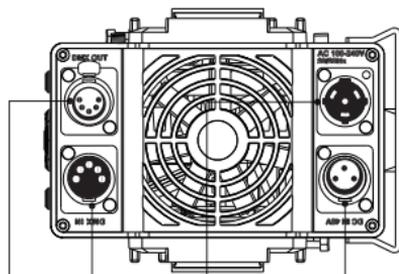


2. Control Box





5-Pin Female Head Cable Connector



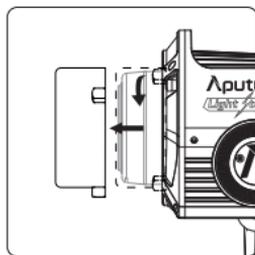
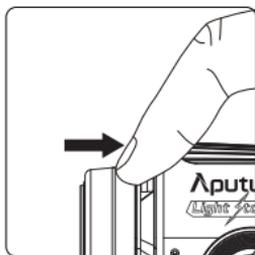
DMX OUT Port
DMX IN Port
Neutrik®
powerCON
Power Input
48V DC Input
(3-Pin XLR)

Setting Up the Light

1. Attaching/detaching the protection cover

Pull back the retaining pin, rotate the cover clockwise, then detach the cover.

To reattach the cover, insert it into the Bowens mount and rotate counterclockwise.

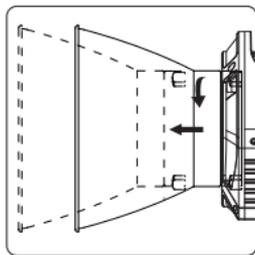
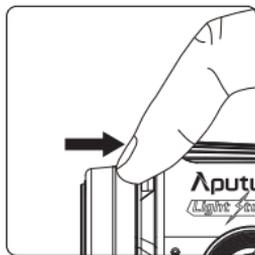


Notice: Always remove the protection cover prior to turning on the light. Always re-install the cover when packing it away.

2. Attaching/detaching the Hyper-Reflector

To install the reflector, pull back the retaining pin, insert the reflector into the Bowens mount, and rotate it counterclockwise as shown in the following pictures.

To remove the reflector, pull back the retaining pin and rotate the reflector clockwise.

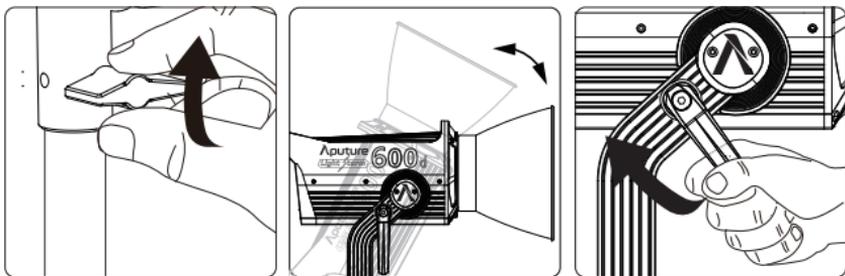


3. Setting up the Lamp Head

If using a 5/8in / 16mm stand (Baby Pin), then mount the Lamp Head onto the stand, and proceed to fix it in place using the T-Handle/Mounting Screw on the Baby Pin Receiver/Mounting Column.

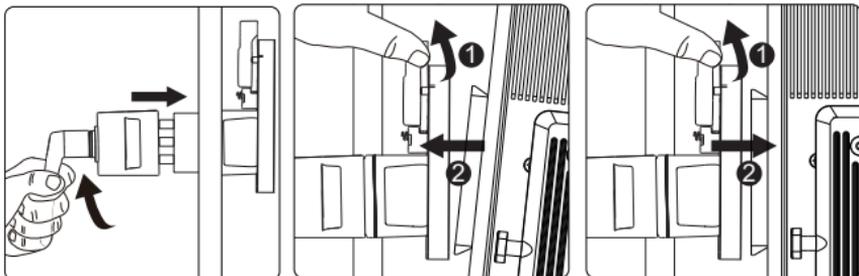
If using a 1.125in / 28mm stand (Junior Pin), then mount the Lamp Head into the Junior Pin receiver, and fix it in place using the T-Handle on the stand.

Loosen or tighten the handbrake locking mechanism on the yoke to adjust the fixture's angle of tilt.



4. Lightning Clamp Operation Instructions

- 1) Clamp the Lightning Clamp onto a light stand.
- 2) To attach the control box, rotate the release lever to unlock the quick-release baseplate, then mount the control box onto the Lightning Clamp (the release lever will automatically spring back).
- 3) To remove the control box, grasp it firmly, then unlock the quick-release plate by turning the release lever, and detach the control box.

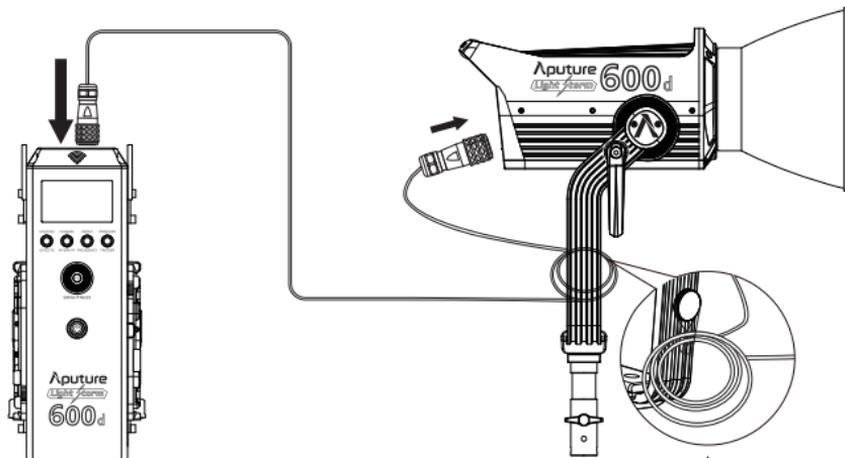


Specifications

Weight	670g / 1.48lbs	Sizes (L*W*H)	10.35x8.74x12.5cm / 4.07x3.44x4.92in
* The Lightning Clamp can clamp onto square or round pipe with a diameter between 2-5cm or 0.79-1.97in.			

5. Connect the Lamp Head to the control box

Connect the Lamp Head to the control box using the LS 600 Series 5-Pin Head Cable.

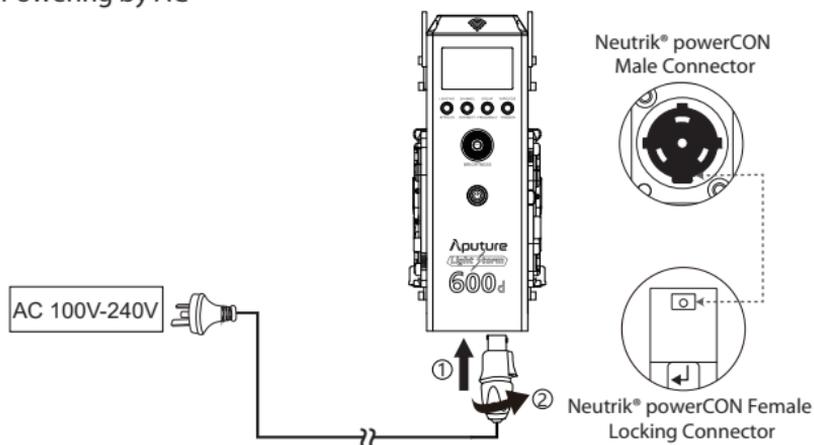


* Hang the cable using the rope to manage and reduce tension on the cable.

* Disconnect the Head Cable by pulling up on the collar on the connector. This will disengage its locking mechanism.

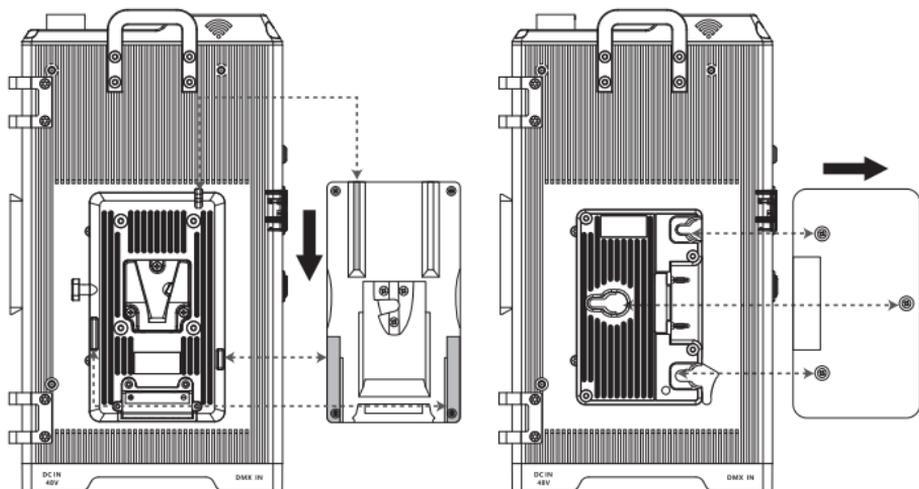
6. Powering up the controller

1) Powering by AC



To disconnect the Neutrik® powerCON cable, pull back on the yellow release tab on the cable connector, and rotate the connector counterclockwise.

2) Powering by Batteries



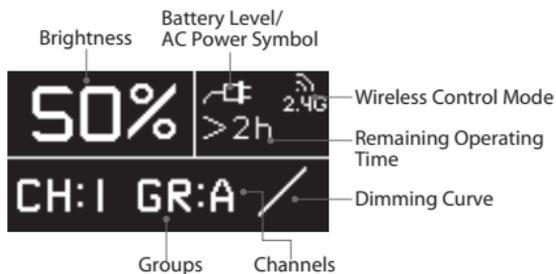
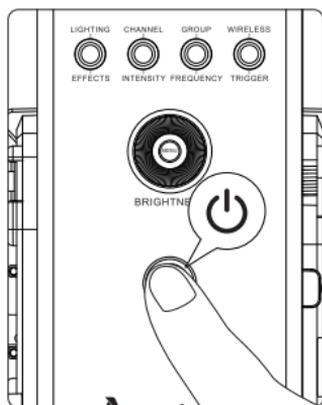
▲ V-Mount Battery

▲ Anton Bauer Battery

Customers can choose V-Mount or A-Mount battery plates for their control boxes upon purchase according to their needs.

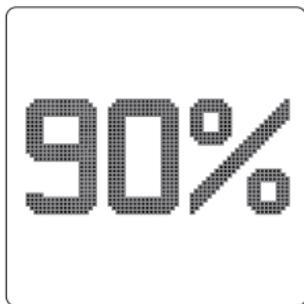
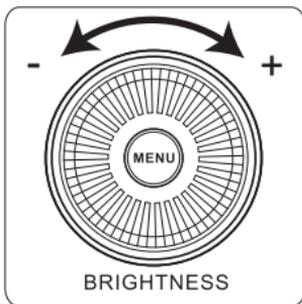
Operations

1. Press the power button to turn the light on and off



2. Manual Control

1) Rotate the Knob to adjust the intensity of the light from 0-100% in 1% increments. The speed with which you turn the knob will change the rate of increase or decrease.



2) Press the MENU button to enter the System Menu interface. In the System Menu you'll find DMX Mode / Dimming Curves / Fan Mode / Studio Mode / Freq.Selection / BT Reset / BT Serial NO / Language / Update Firmware Version / UID / Factory Reset / Exit.

2.1) DMX Mode

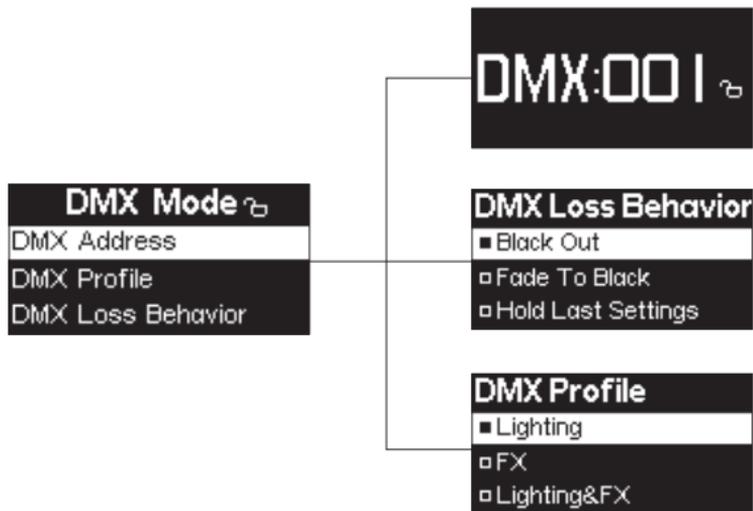
Press the MENU button to enter the system menu, rotate the Knob to select DMX mode and press the MENU button again to enter DMX mode. Rotate the Knob to Select DMX Address / DMX Profile / DMX Loss Behavior / Exit.

DMX Address: LS 600d will set to in DMX Address interface.

DMX Profile: Lighting 8bit / FX 8bit / Lighting& FX 8bit.

DMX Loss Behavior:

- ① Black out -when the DMX signal is lost, it will be Black out.
- ② Fade to Black -after DMX signal is lost, it will fade to Black in 60 seconds.
- ③ Hold last setting -After DMX signal is lost, remember the last control setting.
- ④ Hold 2 min& Fade Out -After the DMX signal is lost, keep the last control setting for two minutes, and then Fade to Black within 60 seconds.



* The fade-out time decreases as the percentage of brightness decreases. When the brightness output is 100%, the fade-out time is 60 seconds, which decreases in sequence.

* If the signal is reconnected, the DMX console will continue to maintain the signal output as same as before.

* Press and hold the MENU 2s to lock the DMX Address to prevent accidental touch. In the locked state, cannot enter other interfaces other than the DMX Mode, Press and hold 2s again to unlock

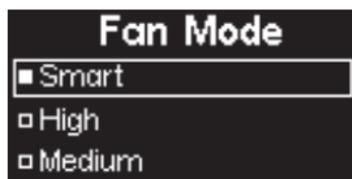
2.2) Dimming Curves

Press the MENU button to enter the system menu, rotate knob to select Dimming Curve, and press the MENU button again to enter the dimming curve selection menu. Using the knob to choose from exponential (Exp), logarithmic (Log), S-Curve, or linear dimming curves, and press the MENU button to make your selection.



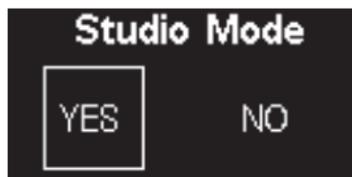
2.3) Fan Mode

Press the MENU button to enter the system menu, rotate knob to select Fan Mode, and press the MENU button again to enter Fan Mode. Use the wheel to select between Smart, High, Medium, Silent, then press the MENU button to confirm your selection.



2.4) Studio Mode

Press the Menu button to enter the System Menu. Rotate the Knob to select Studio Mode, and short press the knob to enter Studio Mode. You can then short press the Knob to toggle the Studio Mode ON or OFF. When Studio Mode is ON, the light will turn on as soon as it receives power. When Studio Mode is OFF, the power button must be pressed to turn on the light.



2.5) Freq. Selection

Press the MENU button to enter the menu interface, rotate the Knob to select and press to enter Frequency Selection interface. Rotate the Select wheel to adjust the light frequency by 100Hz every turn.



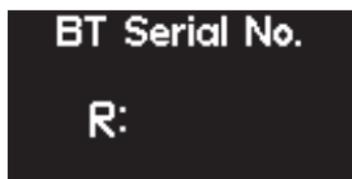
2.6) BT Reset

Press the MENU button to enter the menu interface, rotate the Knob to select and press to enter BT Reset. Rotate the control wheel to select "YES" and short press the wheel to reset the device's Bluetooth pairing or select "NO" to return to the system menu. After resetting the light's Bluetooth connection, your mobile phone or tablet will be able to connect to and control the light with Sidus Link App.



2.7) BT Serial NO.

Press the MENU button to enter the menu interface, rotate the Knob to select and press to view the BT Serial NO.



2.8) Language

Press the Menu button to enter the System Menu. Rotate the Knob to select Language, and short press the knob to enter Language Selection Mode. Use the Knob to select from the available languages. Initial languages include English and Simplified Chinese.



2.9) Update

Press the Menu button to enter the System Menu. Rotate the Knob to select Update Firmware, and short press the knob to enter Update Mode.

By selecting Update Firmware, you can update the fixtures existing firmware, by inserting a compatible USB drive, formatted to FAT16/32, with the new firmware files.

You can also update the device's firmware using the OTA firmware update function built into Sidus Link.



2.10) Firmware Version

Press the MENU button to enter the menu interface, rotate the Knob to select and press to view the current firmware version of lamp head and control box.



2.11) UID

Press the MENU button to enter the menu interface, rotate the Knob to select and press to view the fixture UID.



2.12) Factory Reset

Press the MENU button to enter the menu interface, rotate the INT wheel to select and press to enter the Factory Reset interface.

The factory settings are: fan is in smart mode, light brightness value is 50%, studio mode off, dimming curve-linear, DMX channel number 001, English, fireworks light effect frequency 5.



2.13) Effects

Press and hold press the EFFECTS button 2s to enter Effect mode.

In the Effect mode, short press EFFECTS button to select the desired lighting effect.

a. Paparazzi Effect



b. Fireworks Effect



c. Faulty Bulb Effect



d. Lightning Effect

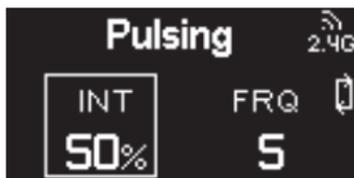


** In the Lightning Effect, short press the Effects button to trigger the effect. Long press the Effects button for 2 seconds to activate cycle mode for the lightning effect.*

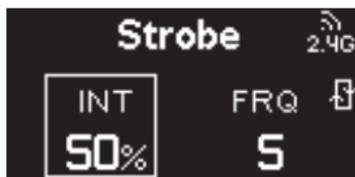
e. TV Effect



f. Pulsing Effect



g. Strobe Effect



h. Explosion Effect



** In the Explosion Effect, short press the Effects button to trigger the effect.*

** If the light is powered off, upon turning on again, the light resumes its last saved setting.*

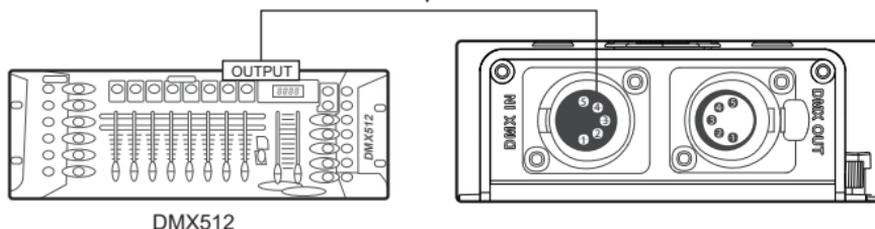
3) The Lighting Button can be used to return to the main lighting interface in from any menu.

4) The Effects button can be used to enter the Effects interface from any menu.

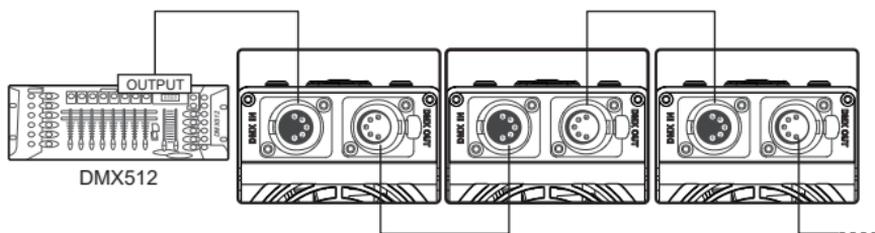
4. Connecting to DMX

1) Connect a standard DMX controller

Connecting DMX to only one 600d



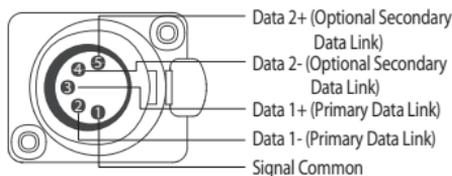
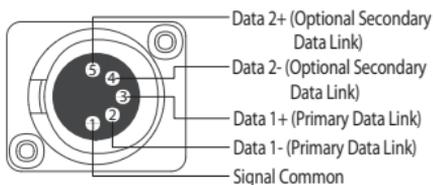
DMX512



DMX512

Daisy chaining multiple lights using DMX

* The DMX interface schematic is shown in the pictures below:



2) Channel Selection

In DMX mode, match the channel of your DMX controller with the light, and then adjust accordingly.

* The default DMX channel is "001".

** The range of DMX channels is 1 to 512.

5. DMX Chart

Mode	Channels	Function							
DMX Profile : Lighting	1	INT: 0-100%							
DMX Profile : FX	1	INT: 0-100%							
	2	Paparazzi	Fireworks	Fault Bulb	Lightning	TV	Pulsing	Strobe	Explosion
	3	FRQ: 1-10/R							
	4	/	/	/	Initial value/ Trigger /Loop	/	/	/	Initial value/ Trigger
DMX Profile : Lighting&FX	1	INT: 0-100%							
	2	Lighting<->EFFECTS: 0-100%							
	3	Paparazzi	Fireworks	Fault Bulb	Lightning	TV	Pulsing	Strobe	Explosion
	4	FRQ: 1-10/R							
	5	/	/	/	Initial value/ Trigger /Loop	/	/	/	Initial value/ Trigger

* In DMX mode, intensity, FX frequency and lighting effects can only be controlled by a DMX controller.

** When controlling multiple 600d lights independently (i.e., A and B), offset each light by 5 channels.

If you set light A at DMX 001, set light B at DMX 006, to control A and B separately on the DMX controller.

6. Using the Sidus Link APP

You can download the Sidus Link app from the iOS App Store or Google Play Store for enhancing the functionality of the light. Please visit sidus.link/app/help for more details regarding how to use the app to control your Aputure lights.



Get Sidus Link® App



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

Specifications

Operating Current	8 A	Power Supply	100 V ~ 240 V 50 Hz / 60 Hz
Power Input	≤ 720 W	Power Output	≤ 600 W
CRI	≥ 96	TLCI	≥ 96
CQS	≥ 94	SSI (D56)	72
Channels	1 / 2 / 3	Groups	A / B / C / D
CCT	5600±200K	Waterproof Grade	N / A
Battery requirement	14.4 V-15 A ≥ 180 Wh 26 V-8.5 A ≥ 180 Wh 28.8 V-7.5 A ≥ 180 Wh	Cooling Mode	Active Cooling
Remote Ability	≤ 100 metres	APP Control Type	Bluetooth
Sizes (L * W * H)	Lamp Head	w/o Yoke 30.8 * 15.61 * 15.01 cm / 12.13 * 6.15 * 5.91 in	
	Lamp Head	w/ Yoke 30.8 * 25.03 * 45.6 cm / 12.13 * 9.85 * 17.95 in	
	Controller box Anton Bauer Battery	15.37 x 9.0 x 28.20cm / 6.02 x 3.54 x 11.10 in	
	Controller box (V-Mount)	15.37 x 9.0 x 28.20cm / 6.02 x 3.54 x 11.10 in	

* The malfunctions caused by water in the lamp body are not covered under the warranty.

Photometrics

Distance	1 m	3 m	5 m
Bare Bulb	22150 (lux)	2600 (lux)	1020 (lux)
	2058 (fc)	242 (fc)	95 (fc)
600 Series Hyper Reflector	98500 (lux)	8500 (lux)	3000 (lux)
	9150 (fc)	790 (fc)	280 (fc)

* This is an averaged result. The luminance of your individual unit may vary slightly from this data.

Trademarks

Bowens is a trademark registered by Bowens in China and other countries.

Anton Bauer is a trademark registered by Anton Bauer in the US and other countries.

Neutrik® is a trademark registered by Neutrik® in the US and other countries.

Aputure®

GUARANTEE CARD

Serial No.	
Item Name	
Purchase Date	
Buyer Name	
Buyer Phone	
Buyer Add	
Franchiser Seal	

Aputure®

Aputure Imaging Industries Co., Ltd.

Inspection: Qualified

Add: F/3, Building 21, Longjun Industrial Estate, HePing West Road, Shenzhen, Guangdong

Service Warranty (EN)

Aputure Imaging Industries Co., Ltd. warrants the original consumer purchaser from defects in material and workmanship for a period of one (1) year after the date of purchase. For more details of warranty visit www.aputure.com

Important:

Keep your original sales receipt. Be sure the dealer has written on it the date, serial No. of the product. This information is required for warranty service.

This warranty does not cover:

- Damage that is the result of misuse, abuse, accident (including but not limited to damage by water), faulty connection, defective or maladjusted associated equipment, or the use of the product with equipment for which it was not intended.
- Cosmetic defects that appear more than thirty (30) days after the date of purchase. Cosmetic damage caused by improper handling is also excluded.
- Damage that occurs while the product is being shipped to whoever will service it.

This warranty is void if:

- The product identification or serial No. label is removed or defaced in any way.
- The product is serviced or repaired by any one other than Aputure or an authorized Aputure dealer or service agency.

Aputure Imaging Industries Co., Ltd.

Add: F/3, Building 21, Longjun Industrial estate,
HePing West Road, Shenzhen, Guangdong

E-MAIL: cs@aputure.com

Sales Contact: (86)0755-83285569-613