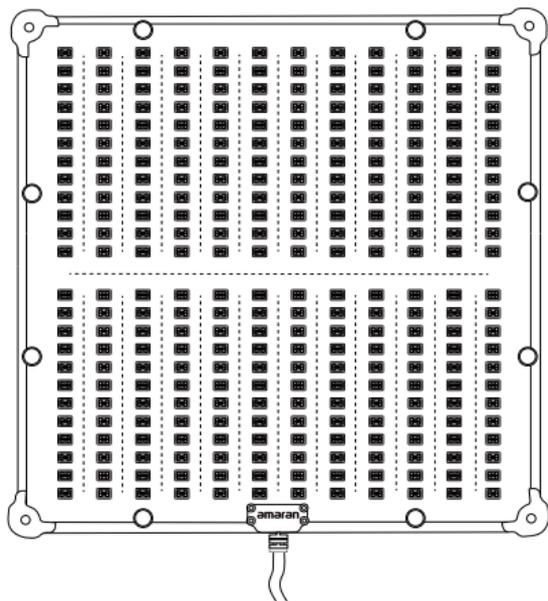# amaran®

amaran F22c

Product Manual

English

Foreword

Thank you for purchasing "amaran" LED photography lights - amaran F22c.

Amaran F22c is amaran newly designed cost performance light fixture. Compact structure design, compact and light, excellent texture.

Has a high performance level, such as high brightness, high color rendering index, can adjust the brightness, etc. It can be used with variety of lighting accessories to achieve lighting effects and enrich product usage patterns. So that the product to meet the needs of different occasions light control, easy to achieve professional level photography.

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. Unplug the power cable from lighting fixture before storing and store the cable at assigned space of thecarrying case.

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

12. Please power this fixture by connecting it to a grounded outlet.

13. Please do not block the ventilation or do not look at the LED light source directly when it is powered on.

Please do not touch the LED light source in any condition.

⚠ CAUTION

DO NOT TOUCH LED Light Source Surface

14. Please do not place the LED lighting fixture near any flammable object.

15. Only use a dry microfiber cloth to clean the product.

16. Please do not use the light fixture in wet condition on account of electric shock may be caused.

17. Please have the product checked by an authorized service personnel agent if the product has a problem. Any malfunctions caused by unauthorized disassembly are not covered by the warranty. The user may pay for 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 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 warranty. The user may pay for maintenance.

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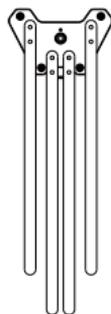
Components List

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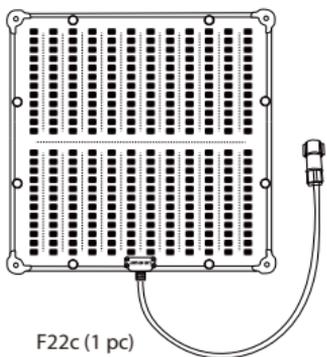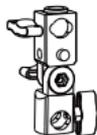

F22c (1 pc)
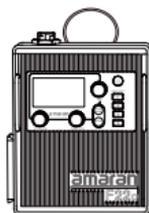
Control Box(1 pc)

Frame (1 pc)

Tie Down (1 pc)

Power Adapter (1 pc)
(*Anton Bauer or V-mount)

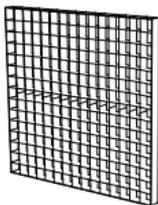Extension Cable(1 pc)

AC Cable (1 pc)

Bracket A(1 pc)

Bracket B(1 pc)

Soft Box (1 pc)

45°Grid (1 pc)

Fabric Diffusion 1 (1 pc)
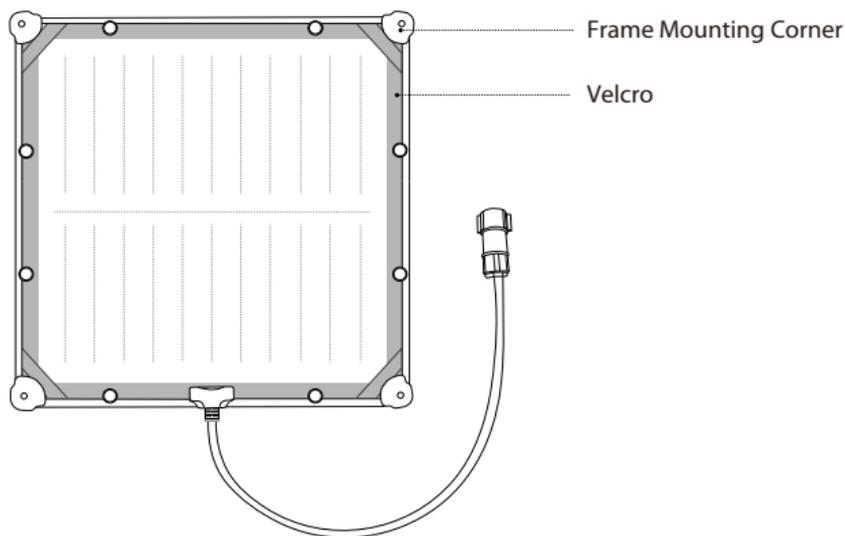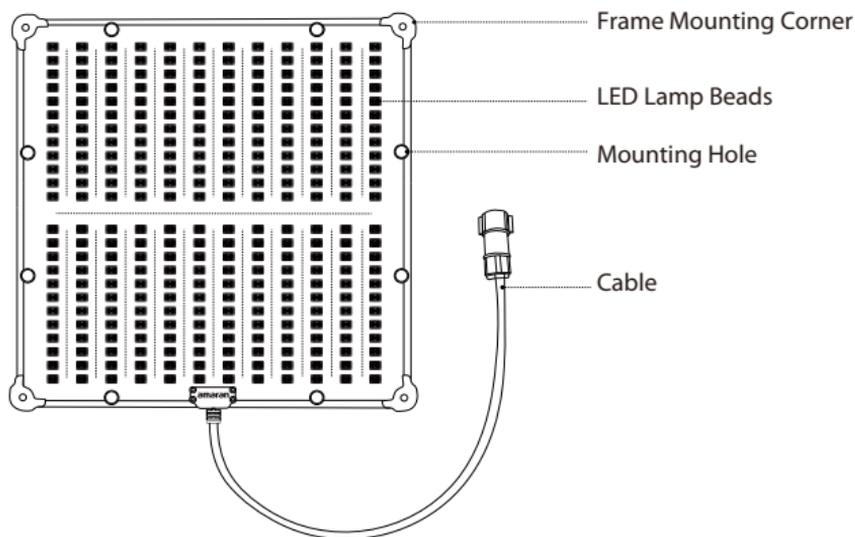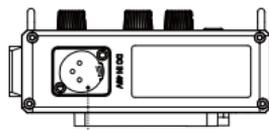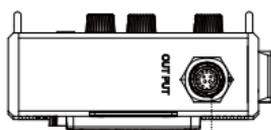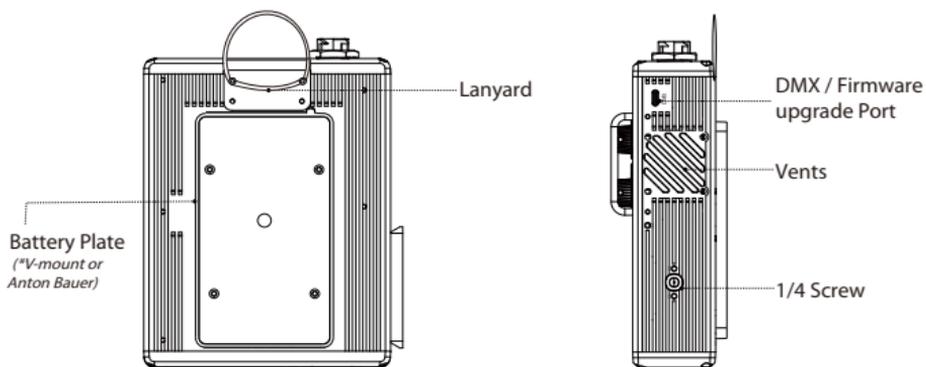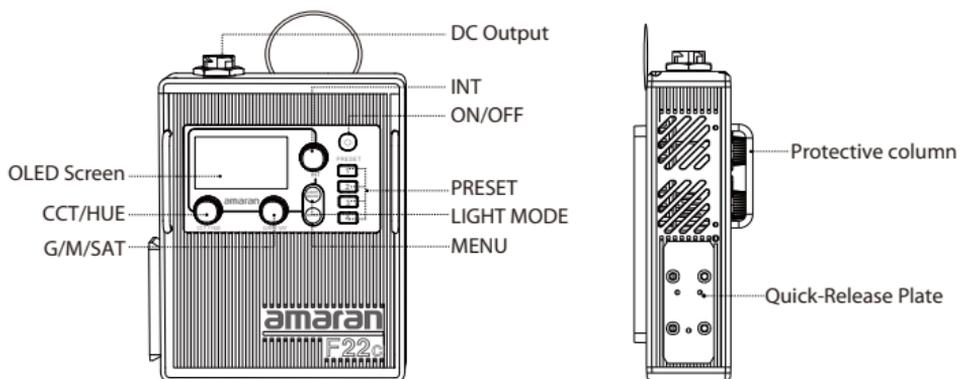Fabric Diffusion 2 (1 pc)

Carry Case (1 pc)

Tips: The illustrations in the manual are only diagrams for reference. Due to the continuous development of new versions of the product, if there are any differences between the product and the user manual diagrams, please refer to the product itself.

Components List

1. Lamp Head

Frame Mounting Corner

LED Lamp Beads

Mounting Hole

Cable

Frame Mounting Corner

Velcro

2. Control Box

- DC Output
- INT
- ON/OFF
- OLED Screen
- PRESET
- CCT/HUE
- LIGHT MODE
- G/M/SAT
- MENU
- Protective column
- Quick-Release Plate
- Lanyard
- DMX / Firmware upgrade Port
- Vents
- Battery Plate *(*V-mount or Anton Bauer)*
- 1/4 Screw
- DC Output
- DC IN
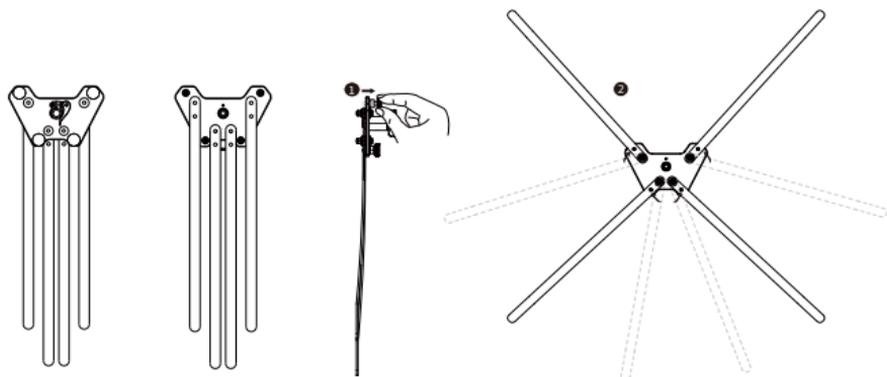
Setting Up the Light

1. Disassembly and assembly of X-type frame. After pulling out the bolts in the direction shown in the picture, unfold the four support rods, and then loosen the fixing bolts to lock the support rods.
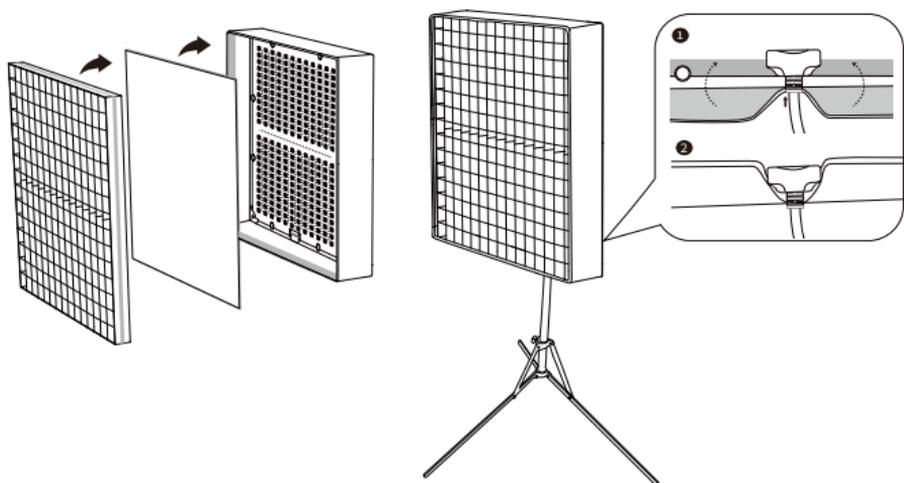

Front of the frame   Back of the frame

2. Disassembly and assembly of the lamp body and X-shaped bracket. Insert the four support rods into the blocks at the four corners of the lamp body in turn. When removing, pull out the four support rods in turn in the opposite direction.
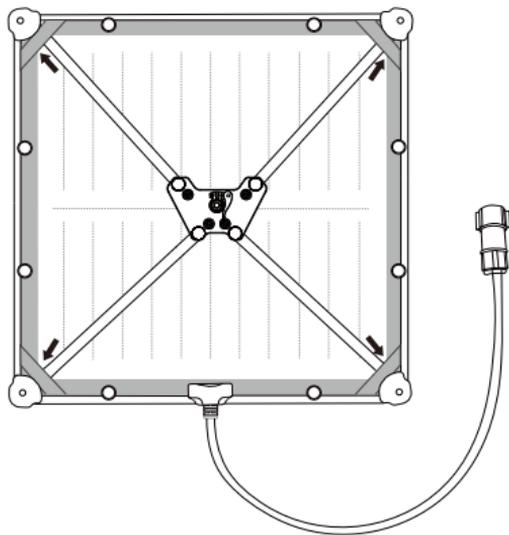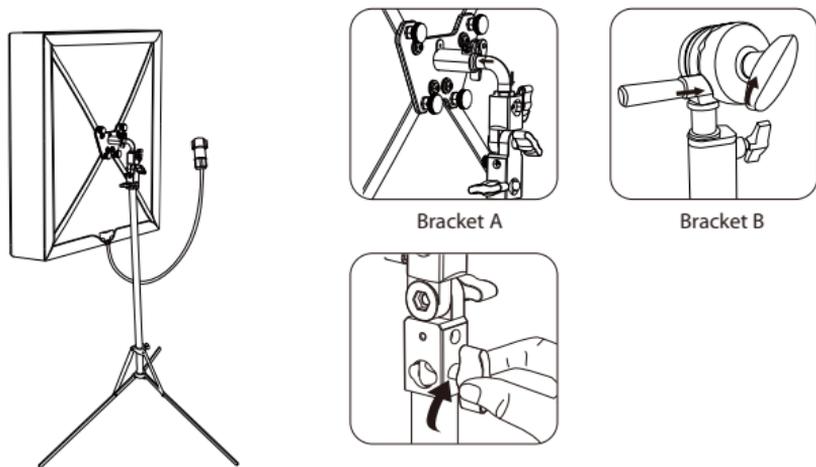
3.Installation of soft box.

The side of the soft box with grooves corresponds to the side of the lamp body with the power cord. Then attach the velcro of the lamp body and the soft box in turn and then install the fabric diffusion and grid.

4.Fasten the lamp body.

Adjust the lamp body to a suitable height, rotate the tightening handle to fix the lamp body on the tripod, and then adjust the lamp body to the required angle, Then tighten the locking handle.
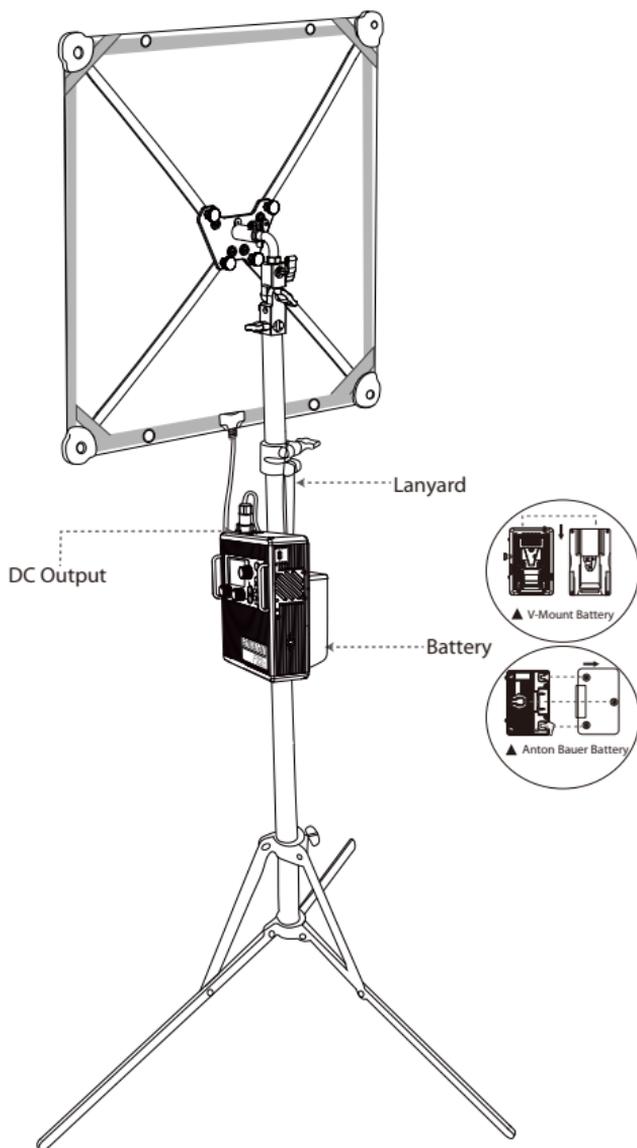

Bracket A

Bracket B

Powering up the Light

Powered by AC

Lanyard

DC Output

AC 100V-240V

DC IN

Power Adapter

For V-Mount

For Anton Bauer

Powered by DC

Lanyard

DC Output

Battery

▲ V-Mount Battery

▲ Anton Bauer Battery
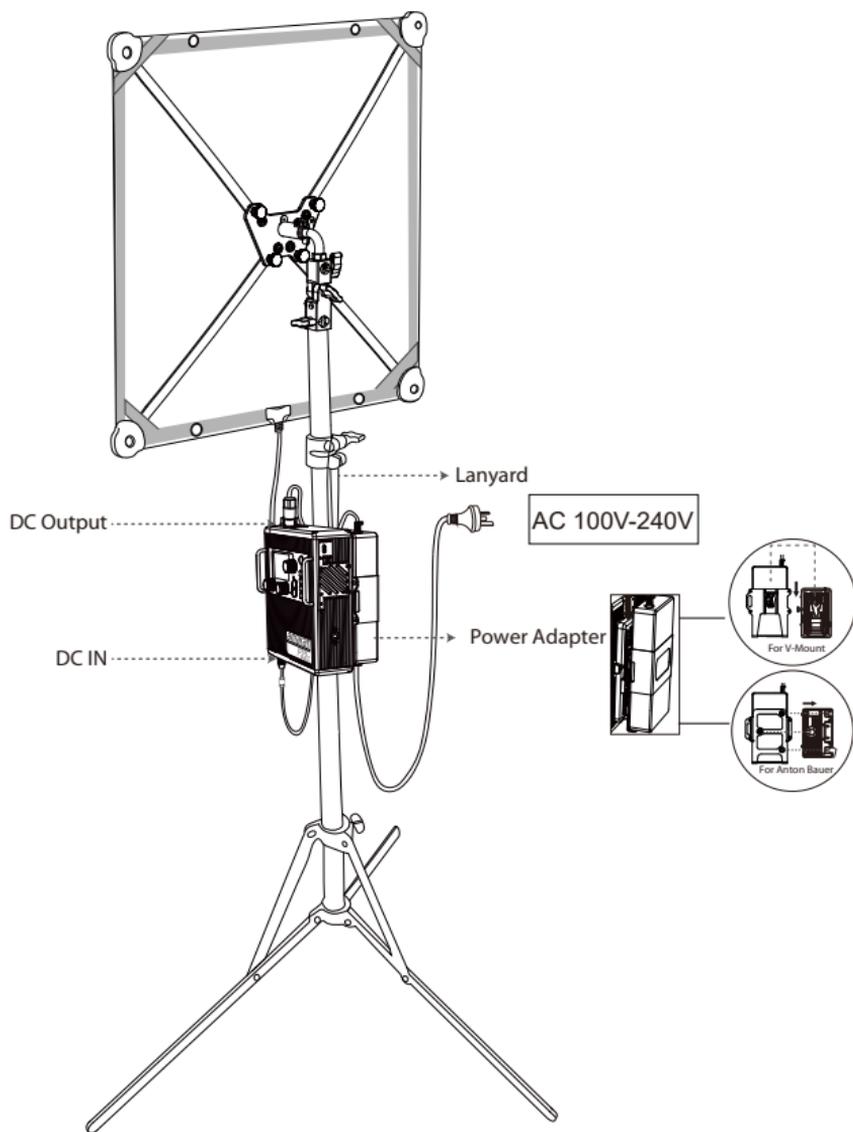
How to use the extension cord

AC 100V-240V
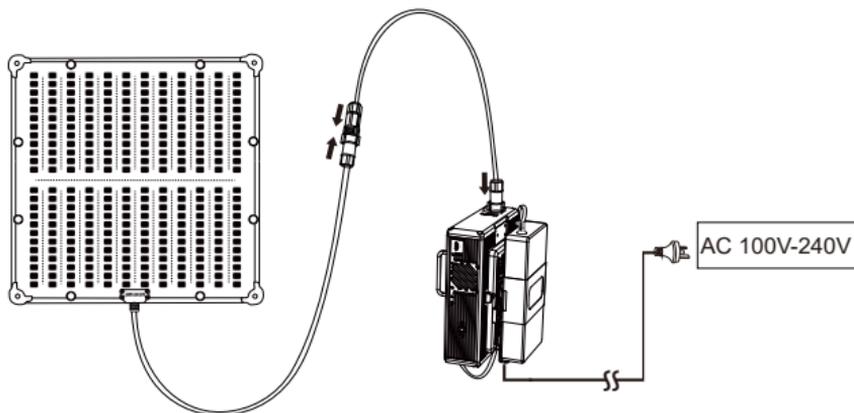
*The battery is not standard.
*When removing the wire, because of self-locking device at the wire connection, please press
 or rotate the spring lock on the connector before pulling it out. Do not pull it out forcibly.
*Extension cable, control box and lamp body need to correspond, and different models cannot
 be mixed.

Operations

1.Turning on the Light
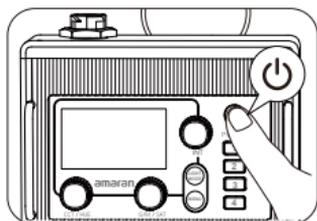
INT	50 %	⌁ >2h
CCT	G/M	
5600 K	0.0	

2.Manual Control

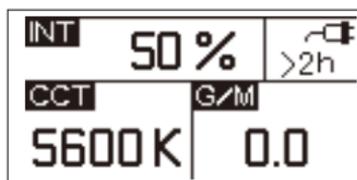2.1 Press the Light Mode button to enter the interface

2.2.1 Press the INT knob, select CCT mode to adjust color temperature (2500K~7500K) , brightness (0%~100%) and G/M(-1.0~+1.0)

2.2.2 Press the INT knob and select the HSI mode to adjust the hue, saturation and brightness.
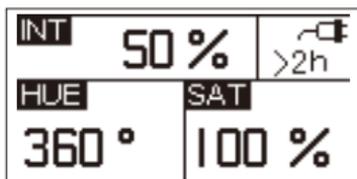
2.2.3 Press the INT button to select FX mode, then rotate the INT control knob to toggle between Club Lights , Paparazzi , Lightning , TV , Candle, Fire, Strobe,Explosion, Fault Bulb, Pulsing , Welding , Cop Car, Color Chase , Party Lights, Fireworks.

Under Lightning and Explosion effects, press the INT knob, will trigger the effects ; under other effects press the INT knob to circulate or stop the effects.

2.2.4 Press the INT knob, after selecting the CFX mode, Rotate the INT knob to select the Picker FX, Music FX, and TouchBar FX.

```
           Custom FX
 Picker FX
 Music FX
 TouchBar FX
```
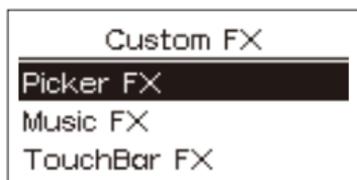
2.2.5 Press the INT knob to select GEL mode, rotate the INT knob to adjust the brightness, rotate the CCT/HUE knob to select 3200K/5600K, rotate G/M/SAT knob to select GEL.

```
 INT    50 %    ⊏▯
                >2h
    3200K
    5600K   Full CTB
```
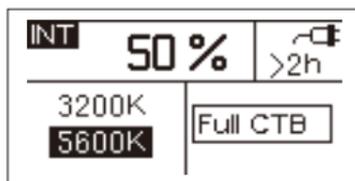
2.3 Press the MENU button to enter MENU, as shown in the figure below.

```
 DMX Mode
 Frequency Selection
 Dimming Curve
 BT Reset          ▼
```
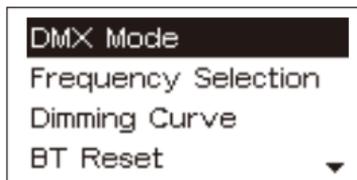
2.3.1 DMX Mode
Press the INT knob to enter the DMX mode, and rotate the INT knob to adjust the DMX channel (001~512).

```
           DMX
          001
```

2.3.2 Frequency Selection
Press the INT knob to enter the Frequency Selection, Rotate the INT knob to select the frequency (+0~2000Hz).

```
┌─────────────────────────┐
│     Freq. Selection     │
│  ─────────────────────  │
│                         │
│        + ☐ Hz           │
│                         │
└─────────────────────────┘
```

2.3.3 Dimming Curve
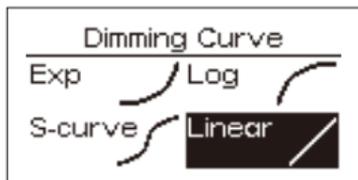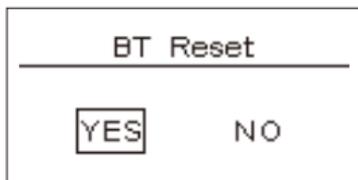Press the INT knob to enter the dimming curve menu, rotate the INT knob to select "Exp; Log; S-curve; Linear"Dimming curve, then press the INT knob to confirm the selection.

```
┌─────────────────────────┐
│     Dimming Curve       │
│  ─────────────────────  │
│  Exp    ╱  Log      ╱   │
│  S-curve ╱  ▐Linear  ╱  │
└─────────────────────────┘
```
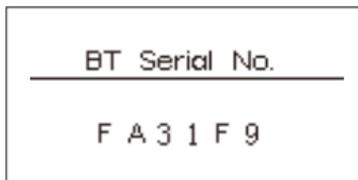
2.3.4 BT Reset
Press the INT knob to enter the BT Reset, rotate the INT knob to select "Yes", press the INT knob to reset the Bluetooth; select "No" to return to the main menu.

```
┌─────────────────────────┐
│       BT Reset          │
│  ─────────────────────  │
│                         │
│   │YES│    NO           │
│                         │
└─────────────────────────┘
```

2.3.5 BT Serial NO.
Rotate the INT knob to select the BT serial NO, press the INT knob to enter the BT serial NO. interface to display the Bluetooth serial number.

```
┌─────────────────────────┐
│     BT Serial No.       │
│  ─────────────────────  │
│                         │
│      F A 3 1 F 9        │
│                         │
└─────────────────────────┘
```
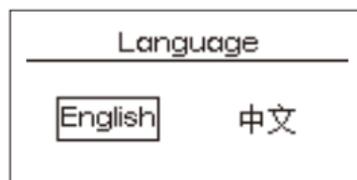
2.3.6 Studio Mode

Rotate the INT knob to select the studio mode, press the INT knob to enter the studio mode interface, rotate the INT knob to select "Yes" or "No", and then short press the INT knob to confirm.

```
Studio  Mode

YES      NO
```
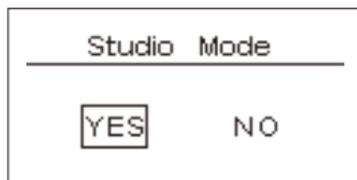
2.3.7 Language

Rotate the INT knob to select the language menu, press the INT knob to enter the language setting interface, rotate the INT knob to select "English" or "Chinese", and then press the INT knob to confirm.

```
Language

English    中文
```

2.3.8 Firmware Version

Rotate the INT knob to select the Firmware Version, press the INT knob to enter the firmware version interface, short press the INT knob again to return to the main menu.

```
Firmware  Version

0.7
```
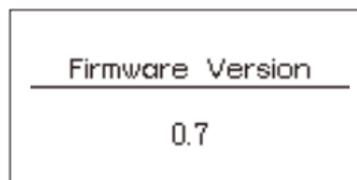
2.3.9 Update Firmware

Rotate the INT knob to select Update Firmware, short press the INT knob to enter the firmware upgrade interface, rotate the INT knob to select "Yes" or "No", and then press the INT knob to confirm.

```
Update  Firmware

YES      NO
```

2.3.10 Factory Reset

Rotate the INT knob to select Factory Reset, press the INT knob to enter the Factory Reset interface, rotate the INT knob to select "Yes" or "No", and then press the INT knob to confirm.

```
_____ Factory Reset _____


        YES        | NO |
```
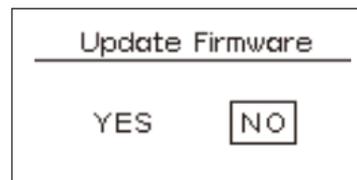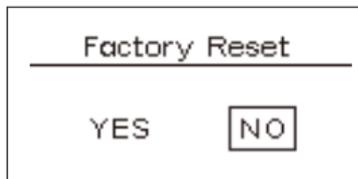
2.4 Fixture Presets

There are 4 preset buttons located on the bottom row of the control box. Once you have set your light to the desired output, long press and hold one of the four buttons (1, 2, 3, or 4) to start the Save Preset procedure. Use the INT control wheel to select "YES" or "NO". You can use those preset buttons in any Lighting Mode and it will activate the mode and settings you previously saved to that preset. You can save a nearly infinite number of presets using the Sidus Link mobile app.

3.DMX Control

3.1 Connecting Type-c to DMX adapter to controller
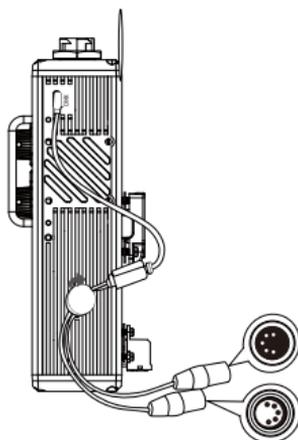
Type-c to DMX adapter is not standard.

3.2 Connect a standard DMX controller
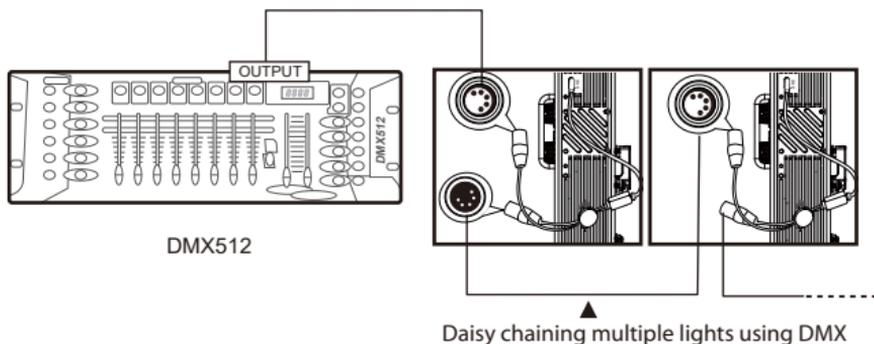

DMX512

▲
Connecting DMX to only one light

DMX512

▲
Daisy chaining multiple lights using DMX
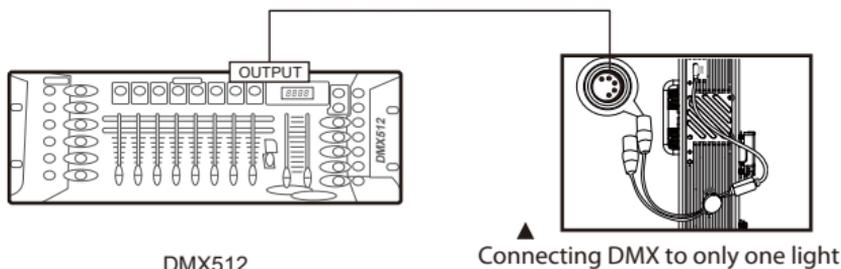
3.3 The DMX interface schematic:

DMX IN

Data 1+
(Primary Data Link)
Data 1-
(Primary Data Link)
Signal Common
Data 2- (Optional
Secondary Data Link)
Data 2+ (Optional
Secondary Data Link)

DMX OUT

Data 1+
(Primary Data Link)
Data 2- (Optional
Secondary Data Link)
Data 2+ (Optional
Secondary Data Link)
Data 1-
(Primary Data Link)
Signal Common
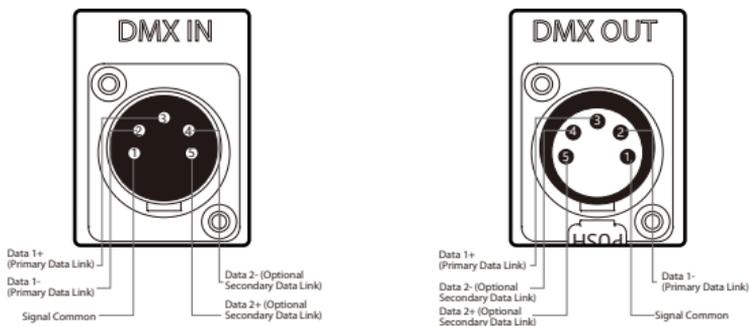
3.4 DMX Channel Selection

In DMX mode, match the channel of your DMX controller with the light, and then control the light via DMX controller.

4. 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

5. Specifications

CCT	2500K~7500K	CRI	≥95
TLCI	≥97	Power Output	200W (Max)
Power Input	240W (Max)	Operating Current	5A (Max)
Power Supply	48V	Operating Temperature	-10℃ ~ 40℃
Voltage	V-Mount battery	12～28.8V	
	V-mount battery compatibility	16.8V battery half output; 26V,28.8V battery full output.	
	Power adapter output	48V	
Controlling method	Manual, Sidus Link APP, DMX		
Remote control distance (Bluetooth)	≤ 80m / 262.5ft，2.4G Hz		
Display	OLED		
Cooling Mode	Light fixture	Natural heat dissipation	
	Controller	Active cooling	

Photometrics

CCT	Illuminance (lux) / Distance (m)	0.5m	1m	3m	5m
2500K	Bare Bulb	18040	5500	672	251
	Softbox (1/2 stop)	11260	3780	505	171
3200K	Bare Bulb	18760	5750	703	263
	Softbox (1/2 stop)	11900	4030	534	180
4300K	Bare Bulb	19720	5930	736	273
	Softbox (1/2 stop)	12470	4300	564	188
5600K	Bare Bulb	21260	6420	790	294
	Softbox (1/2 stop)	13400	4610	603	202
6500K	Bare Bulb	22250	6770	823	309
	Softbox (1/2 stop)	13860	4840	630	212
7500K	Bare Bulb	23250	7080	870	320
	Softbox (1/2 stop)	14610	4980	661	224

These are average data measured in the laboratory, there will be slight differences in the brightness, color temperature and other parameters of different lights.

Trademarks

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

You can find a detailed user guide for this device on our website www.aputure.com.

-19-