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Warrior 300XR
300w Bicolor LED Light
Weather Resistant

USER MANUAL

[Warrior 300XR]

Characteristics:

1. Warrior 300XR feature high-power COB LEDs with a lifespan of up to 50,000 hours. These LEDs have a standardized color temperature with a CRI & TLCI ≥95 and feature less than 1% illumination decay less over 6000 hours working time.
2. The light has rainproof function, can be used in rainy days.
3. Built-in NTC temperature detection to automatically control the fan and prevent overheating to ensure a long product life.
4. Dimmable from 0-100% for and flicker-free due the PWM integrated design.
5. Color temperature is adjustable from 2700K-6500K.
6. 11 pre-installed special effect modes to help you create the perfect scene. Brightness,color temperature and speed are adjustable.
7. Optional battery power via V-lock battery mounts on power box.
8. Firmware upgrade via USB.
9. Available control options: wire or wireless DMX console, remote control, or mobile phone APP.
10. Use any Bowens mount accessory, such as the Included custom designed standard reflector.
11. Solid aluminum shell provides durability and enhanced heat dissipation for a long product life.
12. 360°adjustable, all metal U-bracket featuring disc brake locking function for safely mounting and achieving any angle needed.
13. LED heat prevention technology ensures that your light will emit steady and accurate light under varying conditions.
14. The LCD displays real-time data for color temperature and brightness.
15. Suitable for studio shoot, personal studios, TV and radio shoots, location work (including TV and film shoots), and portrait photography

Warnings:

1. ALWAYS remove the protective cover before using your light.
2. ALWAYS press the accessory lock button on the bottom of the light when removing accessories such as the standard reflector, barn doors or optional zoom lens. Failure to do so may damage your light.
3. During use, avoid dirt or debris from contacting the surface of the COB LED to prevent damage to your light.
4. HOT! DO NOT TOUCH! Keep flammable substances at lease 4 inches (100mm) away from the surface of the LED.
5. Do not block the heat dissipation vents on light body. Blocking these will inhibit airflow, causing the unit to overheat and stop working. This may shorten the lifespan of the light.
6. Do not operate with wet hands, doing so may cause electric shock.
7. Do not operate in environments near flammable gases or volatile liquids as this may increase the risk of explosion/fire.
8. Do not operate in enclosed spaces where heat buildup can be extreme, such as a car on a sunny day. The increased heat will trigger the auto heat protection function and affect use. Frequent overheating may cause premature failure of the lighting unit.
9. Do not damage, disassemble, twist or modify the power cord as it may increase the risk of fire or electric shock.
10. Do not place under heavy objects.
11. Keep the light surface clean with a soft, dry cloth. If build-up is noticeable, use isopropyl alcohol on a soft, clean cloth to gently remove debris. Ensure the LED is off and cool, then wipe gently WITHOUT pressing on the surface of the COB LED.
12. ONLY use the power box provided with this product. Should you need a replacement please contact us.
13. Avoid impact to the LCD screen; impact may damage it.
14. Always use the safety cable when hanging the fixture.
15. When using the accessories, please ensure that they are properly and securely installed. Improperly installed accessories may fall and become damaged.
16. ALWAYS connect the DMX cable and power cable before powering on to prevent a line failure from a short circuit.
17. Please be sure to use the original accessories in the package.
18. Please note that the light ID number is under the handle and the control box ID number is below the operation buttons.
19. Please refer to the instruction label on the the battery plate before using the battery.

Packing List:

① Warrior 300XR - 1PC   ② Protective cover - 1PC   ③ Standard cover - 1PC
④ Power box - 1PC   ⑤ DMX cable - 1PC   ⑥ Connecting cable - 1PC
⑦ Power cable - 1PC   ⑧ Safety cable - 1PC   ⑨ Hard bag - 1PC

Optional accessories:

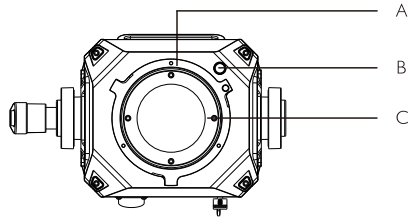Deep Parabolic Softbox   Octagon Softbox   Lantern Softbox

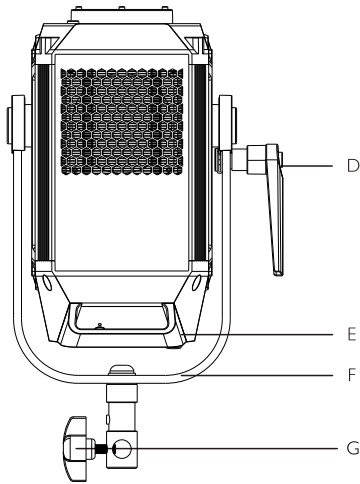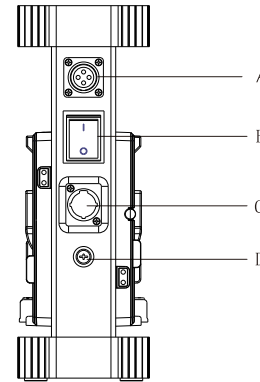Spotlight mount   Remote control   Wireless DMX transmitter

Parts Diagram (light):

A
B
C

D
E
F
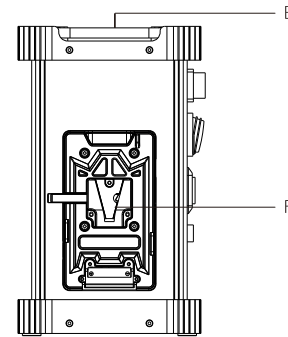G

Ⓐ Bowen mount
Ⓑ Bowens mount accessory lock button
Ⓒ Optical glass
Ⓓ Angle Adjustment & locking handle
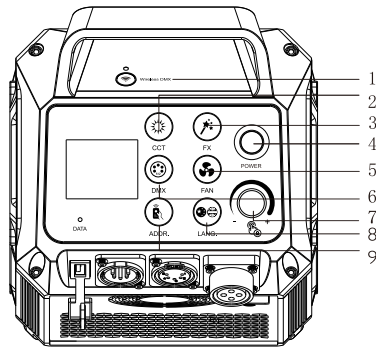Ⓔ Light body handle
Ⓕ U-shape bracket
Ⓖ Stand mount locking screw

Parts Diagram (power control box):

A
B
C
D

E
F

Ⓐ DC output
Ⓑ Power switch
Ⓒ Power interface
Ⓓ Fuse
Ⓔ Power box handle
Ⓕ V-lock battery plate

Menu Buttons:

① Wireless DMX

② Color temperature button

③ FX (Special effects) button

④ Power button

⑤ Fan button

⑥ DMX button

⑦ Multi-function interface dial/button

⑧ Language button

⑨ Address settings button

Specifications:

Spec \ Model	Warrior 300XR
LED	260W cool＋260W warm COB
Beam angle	120°
Color temperature	2700K(±200K)~6500K(±300K)
CRI	Ra:96-98
TLCI	≥97
Power	400W max
Working voltage	AC100-240V, DC24-36V
Cooling system	Heat pipe radiator , Temperature controlled fan
Dimension (light body without bracket)	11.8 x 6.3x6.1" (300x160x155MM)
Dimension (light body including bracket)	11.8x 9.4 x14.8" (300x240x375MM)
Dimension (power control box)	6.7x 3.7 x10.8" (170x95x275MM)
Weight	Light body: 11 lb (5kg), Power control box: 6.6 lb (3kg)
Included accessories	Standard cover, Protective cover, Power cable, DMX cable, Connecting cable, Safety cable, Hard bag
Optional accessories	Deep Parabolic Softbox,Octagon softbox,Lantern Softbox, Spotlight mount,Remote control ,Wireless DMX transmitter

Warrior 300XR illuminance without reflector :

Distance \ Color temperature / Illuminance	2700K	3200K	4400K	5600K	6500K
1m	6314Lux	7838 Lux	11338Lux	11032Lux	9505Lux
2m	1610Lux	2008Lux	2909Lux	2838Lux	2456Lux
5m	282Lux	355Lux	509Lux	496Lux	432Lux
10m	76Lux	96Lux	137Lux	135Lux	118Lux

Warrior 300XR illuminance with standard reflector 55° :

Distance \ Color temperature / Illuminance	2700K	3200K	4400K	5600K	6500K
1m	19004Lux	24103Lux	34555Lux	33690Lux	29316Lux
2m	4371Lux	5504Lux	8002Lux	7809Lux	6751Lux
5m	681Lux	851Lux	1225Lux	1199Lux	1043Lux
10m	182Lux	229Lux	329Lux	320Lux	278Lux

（The above data are all tested by Lishuai laboratory, with MK350NPLUS)

Set up instructions:

1.Removal and installation of protective cover/Bowens mount accessories

To remove the protective cover: Press the Bowens mount accessory lock button in the direction of the arrow shown in the figure. While continuing to hold the lock button, turn the protective cover counterclockwise and pull out to remove. To install the protective cover: Align the protective cover with the Bowens mount, insert and turn clockwise until cover securely clicks into place.

NOTE:ALWAYS remove the protective cover before using your light.

When the light is not in use, install the protective cover to protect the light from dirt or debris.
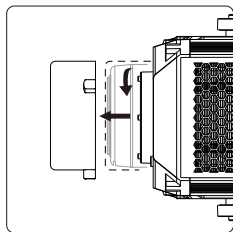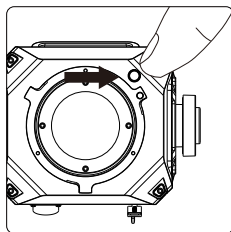
2.Installation and removal of the standard reflector.
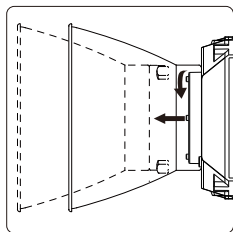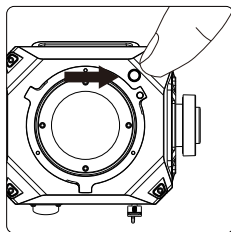
3.How to set up the light

(1)To mount on light support or stud: Loosen the stand mount locking screw by turning counterclockwise. Place the mount on the light stand and secure the screw by turning clockwise. Please ensure the light stand is fully mounted onto the light support and the screw is securely fastened.

(2)When mounting to a 1 1/8" (junior) stud, it will be necessary to remove the set screw using an M4 hex wrench.

(3)Adjust the light to the desired angle by loosening the angle adjustment and locking handle by turning counterclockwise. Move the light to the desired position, then tighten the angle adjustment and locking handle by turning clockwise.

Angle adjustment & locking handle

Set screw

Stand mount locking screw
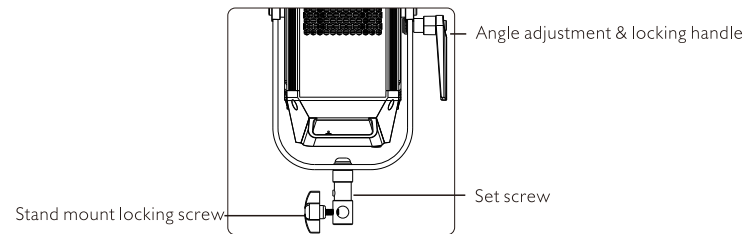
4.How to set up the power control box

(1)Use the connecting cable to connect the light body to the power control box, align the dots on the plug and socket, and then insert the plug to the socket. To unplug, pull up the collar of the connector to release the locking mechanism and disconnect it by pulling gently away from the device.
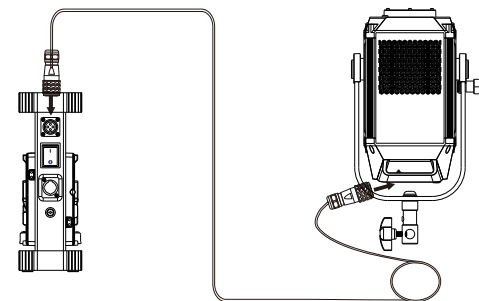
(2)Connect the AC power cable to the power control box via the AC power socket, align it with the locking slot as shown in the figure below, and then insert the power plug.

Connect the AC power cable to the external power supply (AC100-240V). To remove the AC power cable, press down the spring lock and turn counterclockwise, and gently pull away from the power control box to remove.

AC100V~240V

Locking slot   Spring lock
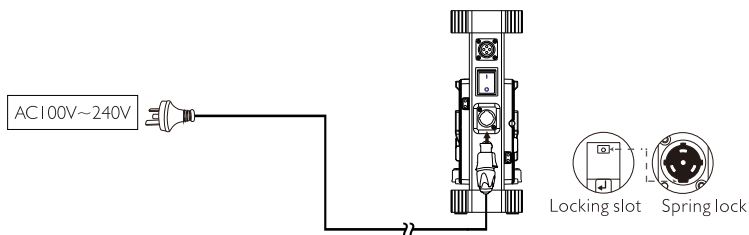
NOTE: Remove batteries when using external AC power. Leaving batteries installed may cause damage to the control box and/or batteries. ALWAYS remove batteries when the light is not in use for extended periods of time. And the battery requirement is 13-17V/15A,≧130WH.
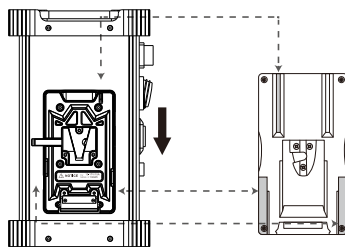
Lishuai laboratory uses the Rolux Battery for testing the product working time.

Battery and run time	Warrior 300XR
RL-130S (14.8V 130Wh)x2pcs	60 mins (60% of the total product power)
RL-190S (14.8V 190Wh)x2pcs	90 mins (60% of the total product power)
RL-230S (14.8V 230Wh)x2pcs	110 mins (60% of the total product power)

Operating instructions:

1.Press the power button to power the light ON or OFF.
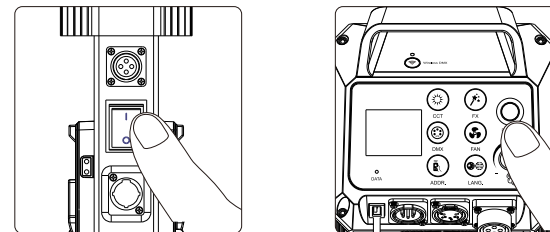
2.Control via power box

(1)Introduction to Menu Buttons

Menu buttons: CCT (color temperature) button, FX button, DMX button, Fan button, Address Settings button, Language button and Multi-function interface dial/button.
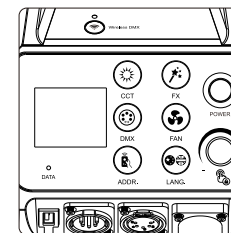
(2)Intensity (brightness) and CCT (color temperature) button operation

Press the CCT button, then short press the multi-function interface button to switch between the brightness and color temperature modes, turn the multi-function interface dial to adjust the brightness between 0-100%, and the color temperature between 2700K-6500K.

CCT
INT：100%
CCT：6500K
S/F

(3)Press the FX button, then press the multi-function interface button to switch between brightness, color temperature, special effects mode and speed. Turn the multi-functional interface dial to control the brightness 0-100% , color temperature 2700K-6500K, special effect mode and speed 0-100%. The special effects mode includes lightning, fireworks, flash, breath, cop car, SOS, fault bulb, turn signal, tracing, screen, H&L beam.

FX
MODE : lightning 1/11
INT : 100%
CCT : 6500K
SPEED : 100%
S/F

(4)Press the DMX button, turn the multi-function interface dial to change the address of the fixture. DMX address range is 1-512. Short press the multi-function interface button to make get access to the wireless DMX model.

DMX
Add. : 512
Wireless DMX : OFF
S/F

Press each time the "wireless DMX button" below the light handle, the wireless DMX indicator shows the different colors of red, green, yellow, blue, purple, cyan and white. The different colors means different ID numbers. The working status of the wireless DMX indicator is as below.

Indicator working conditions	Signals receiving condition
Be continuously on	No wireless DMX signal
Green color flashes	Signal is being received

Note: To use the wireless DMX control function, please make sure the signal from the transmitter is the the same as the signal on the light, means that the wireless DMX indicators on the light and the transmitter show the same color.

Wireless DMX transmitter operation instructions
1)Connect the wireless transmitter to the DMX console, and power on the wireless transmitter.
2)Try to use a small stick to press the button of the wireless DMX transmitter, the indicator on it shows different colors of red, green, yellow, blue, purple, cyan and white. The different colors means different ID numbers. Make sure the color is the same as the indicator color on the light. The working status of the wireless DMX transmitter is as below.

Indicator working conditions	Signals transmitting condition
Be continuously on	No wireless DMX signal
Red color flashes	Signal is being transmitted

(5)Fan button
Press the fan button, turn the multi-function interface dial to change the speed of the fan between low, medium, high, and auto.

FAN
SPEED : AUTO
S/F

(6)Address Settings button
Press the Address Settings button, turn the multi-function interface dial to change APP/remote address between 1-12.
NOTE: RMT-OFF means remote control function was locked and APP control function is not available.

APP/RMT
Addr. : 12
S/F

(7)Language button
Press Language button, turn the multi-function interface dial to switch system language between English and Chinese.

语言/Lag
语言/Lag. : ENGLISH
S/F

(8)Fast and slow adjustments
Press the multi-function interface button for 5 seconds or longer to switch between fast and slow adjustments. The indicator at the bottom of the LCD will change between fast and slow to indicate which adjustment mode is active.

3.Use of Lishuai mobile phone APP
Please search "Lishuai " on the App store, or you can scan the below QR codes to download the APP for the Android and IOS mobile phone.

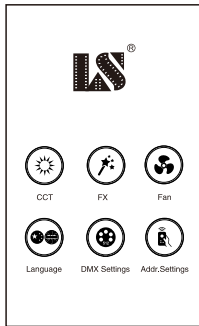Android   IOS

(1)Get access to the Lishuai APP, choose light "Focus" series of lights to enter the product list interface, and select the appropriate model to the operation interface.
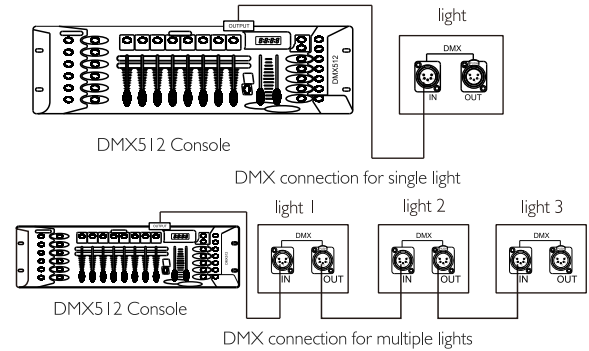
CCT   FX   Fan

Language   DMX Settings   Addr.Settings

(2)Click the address interface, select the address the same as the light control box. There are 12 addresses currently from address 1 to 12.

‹ Back   Addr.Settings   ⌂

ALL

1	2	3
4	5	6
7	8	9
10	11	12
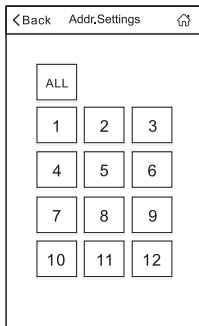
(3) Then the APP can control the light, adjust the color temperature, FX, fan, language, DMX settings and address settings.

4.DMX connection
When using DMX function, connect the DMX cable to the DMX console (see the figure below). Set the DMX address to desired address for control on the DMX console.

light

DMX512 Console

DMX connection for single light

light 1   light 2   light 3

DMX512 Console

DMX connection for multiple lights

5.DMX control:

Please see below details of DMX address on LCD and corresponding channels on DMX console.

LCD display address	DMX console channels (single color temperature)	DMX console channels (Bi-color temperature)
1	1-1(Brightness)	1-1(brightness),1-2(color temperature)
2	1-2(Brightness)	1-2(brightness),1-3(color temperature)
......	......	......
16	1-16(Brightness)	1-16(brightness),2-1(color temperature)
17	2-1(Brightness)	2-1(brightness),2-2(color temperature)
......	......	......
511	32-15(Brightness)	32-15(brightness),32-16(color temperature)
512	32-16(Brightness)	

6.Remote control operating instructions:

Power ON/OFF button
FX shortcut button
Color temperature button
Decrease button
Function button

DMX shortcut button
FAN shortcut button
Increase button

(1) Set the wireless receiving address of the light by following the instructions for APP/remote Address mode. The address can be set from 1-12.
(2) Press the Function button to select the first line on the LCD. Move the cursor to the Address setting. Use the Increase button or Decrease button to set the address between 1-12.
(3) Ensure that the APP/Remote Address setting on the light and the Address setting on the remote control are the same. The light/lights with the same address setting can now be controlled normally with the remote control.
(4) When pressing the Function button, the first line on the LCD is selected. Switch between INT(brightness), FX, DMX setting, Fan, APP/Remote and Lang.(language) modes by using the Increase/Decrease buttons to change the corresponding data.
(5) The wireless remote control has a working distance of approximately 65 feet (20 meters)

7.USB port operation:
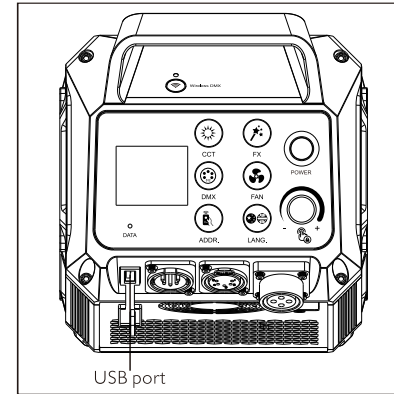
USB port

When the device requires a software upgrade, the upgrade can be applied by connecting a USB flash drive through the USB port. Software upgrades can be found on www.fotodioxpro.com

Upgrade Operation:
(1) Download the updates from www.fotodioxpro.com and save to USB flash drive.
(2) Remove the dustproof plug from the USB port and insert the USB flash drive loaded with the upgrade program.
(3) Press the Power ON/OFF button to turn the power ON. The DATA indicator light will flash.
(4) The upgrade will take approximately 10 seconds. The upgrade is complete when DATA indicator stops flashing and the Welcome message displays on the LCD.
(5) When the upgrade is complete, remove the USB flash drive and replace the dustproof plug.

All Fotodiox products are backed a 24-month limited warranty.