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Warrior 300

Warrior 300

USER MANUAL

[Warrior 300]

Characteristics:

1. The Warrior 300 features 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 2% illumination decay less over 6000 hours working time.

2. Built-in NTC temperature detection to automatically control the fan and prevent overheating to ensure a long product life.

3. Dimmable from 0-100% and flicker-free due the PWM integrated design.

4. 11 pre-installed special effect modes to help you create the perfect scene.

5. Optional battery power via V-lock battery mounts on control box.

6. Firmware upgrade via USB.

7. Available control options: control box, DMX console, remote control, or mobile phone APP.

8. Use any Bowens mount accessory, such as the Included custom designed standard reflector.

9. Solid aluminum shell provides durability and enhanced heat dissipation for a long product life.

10. 360°adjustable, all metal L-bracket featuring disc brake locking function for safely mounting and achieving any angle needed.

11. LED heat prevention technology ensures that your light will emit steady and accurate light under varying conditions

12. The LCD displays real-time data for color temperature and brightness.

13. Suitable for indoor or outdoor photography and videography. Great for studio or location shoots including TV, film, portrait photography and more.

Warnings:

1. ALWAYS remove the protective cover before using your light.

2. ALWAYS press the accessory lock button on the top 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 control box provided with this product. Should you need a replacement please contact techsupport@fotodiox.com.

13. Avoid impact to the LCD screen; impact may damage it.

14. Use the safety cable when hanging the fixture.

15. When using accessories, please ensure that they are properly and securely installed. Improperly installed accessories may fall and become damaged.

Packing List:

Warrior 300

① Warrior 300 -1PC	② Protective cover -1PC	③ Standard reflector -1PC
④ Power control box -1PC	⑤ DMX cable -1PC	⑥ Connecting cable -1PC
⑦ AC power cable -1PC	⑧ Safety cable -1PC	⑨ Instruction manual -1PC
⑩ Custom fit case -1PC		

Optional Accessories:

Octagon Softbox	Rectangular Softbox	Deep Parabolic Softbox
Optical Snoot	Lantern Softbox	Beauty Dish Reflector
Beauty Dish Reflector and Honeycomb Grid	Beauty Dish Reflector and Cloth Diffuser	Remote control

Parts Diagram (light):

A —
B —
C —
D —
E —

F —
G —
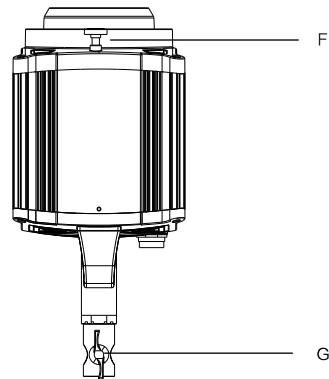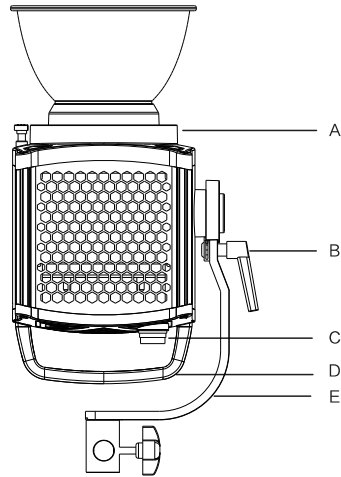
Ⓐ Bowens mount

Ⓑ Angle Adjustment & locking handle

Ⓒ DC power input socket

Ⓓ Integrated carrying handle

Ⓔ L-type bracket

Ⓕ Bowens mount accessory lock button

Ⓖ Stand mount locking screw

Parts Diagram (power control box):

A
B
C
D

E
F
G
H
I

J
K
L
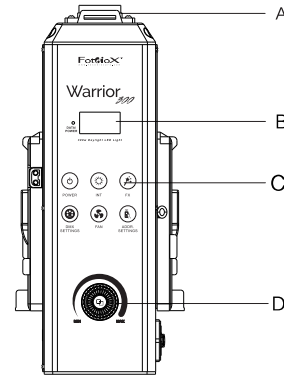
Ⓐ Safety cable/strap mounting point

Ⓑ LCD screen

Ⓒ Menu buttons

Ⓓ Multi-function interface

Ⓔ DC output socket

Ⓕ Pipe clamp

Ⓖ V-lock battery plate

Ⓗ DMX sockets

Ⓘ AC power input socket

Ⓙ Pipe clamp locking screw

Ⓚ Battery release button

Ⓛ USB port

Menu Buttons:

Specifications:

Spec \ Model	Warrior 300
LED	300W COB LED
Beam angle	120°
Color temperature	5600K±200K
CRI (Ra)	≥96
TLCI (Qa)	≥96
Working voltage	Ac100-240V,DC24-34V
Cooling system	Heat pipe radiator , Temperature controlled fan
Dimension (light body)	9 x 8.1x12.3 in (22.8x20.6x31.3cm)
Dimension (power control box)	6.3x 5.23 x11.4 in（16x13.3x29cm）
Weight	Light body: 5lb (2.275kg), Power control box: 5.57 lb (2.53kg)
Included accessories	Standard Reflector, Protective Cover, AC Power Cord, DMX Cable, Connecting Cable, Safety Cable,Custom carrying case
Optional accessories	Light modifiers with Bowens mount, Remote Control

Illuminance:

Distance	Light without reflector	Light with standard reflector
1M	11800LUX	37300LUX
2M	3163LUX	8869LUX
3M	1481LUX	3913LUX
4M	890LUX	2215LUX
5M	607LUX	1444LUX

① Power ON/OFF button   ② INT (brightness) shortcut button   ③ FX shortcut button

④ DMX shortcut button   ⑤ Fan shortcut button   ⑥ Address shortcut button

⑦ Multi-function interface dial   ⑧ Multi-function interface button

Set up instructions:

1.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 L-type bracket onto the compatible light support. Turn the stand mount locking screw clockwise to secure the bracket to the light support.

(2)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.

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

Angle adjustment and locking handle

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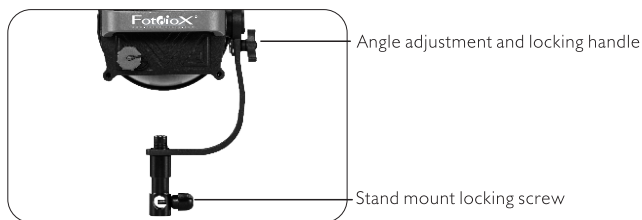
2.How to set up the power control box

(1) Use the connecting cable to connect the light body to the power control box by aligning the white dots on the plug and socket. Then secure by turning the ring clockwise.

(2)Connect the AC power cable to the power control box via the AC power socket. Then connect the AC power cable to the external power supply (AC100-240V).

NOTE:

Remove batteries when using external AC power. Leaving batteries installed may cause damage to the control box or batteries. ALWAYS remove batteries when the light is not in use for extended periods of time.

AC power socket
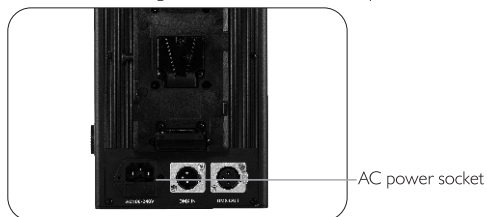
3.Safety Cable

(1)ALWAYS use the safety cable when hanging the light.

(2)Fix the safety cable through the safety cable/strap mounting point of the power control box and around the light support.

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4. DMX Connection

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

light

DMX512 Console
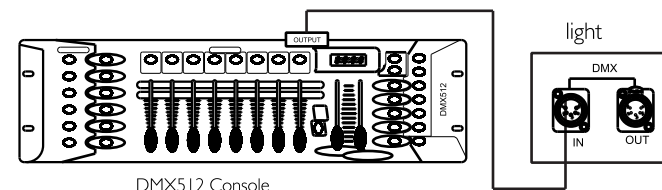
DMX connection for single light

light 1   light 2   light 3

DMX512 Console
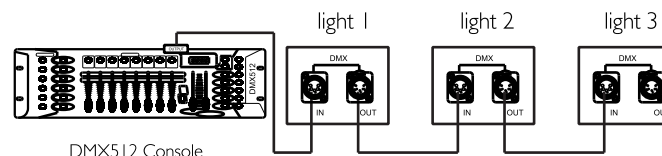
DMX connection for multiple lights

5.DMX Control

Enter the DMX control interface on the menu of the power control box:

DMX address setting, 1-1 is brightness control, 1-2 is brightness control, 1-2…

Please refer to the chart below for DMX address on the LCD and the corresponding channels on the DMX console:

LCD display address	DMX console channels (single color temperature)
1	1−1(Brightness)
2	1−2(Brightness)
……	……
16	1−16(Brightness)
17	2−1(Brightness)
……	……
511	32−15(Brightness)
512	32−16(Brightness)

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Operating instructions:

1.Press the ON/OFF button to power the light ON or OFF.

2.When CCT is selected on the first line of the LCD, turn the multi-function interface dial to switch between INT (brightness), FX, DMX setting, FAN, APP/Remote, and Lag. (language) modes.

```
◀ INT ▶        [1/6]      ◀ FX ▶         [2/6]      ◀DMX▶          [3/6]
INT:  24%                  INT: 10%                  ADDRESS: 1
                           MODE: ◀Cop Car▶
                 S/F       SPEED: 10%    S/F                        S/F

◀FAN▶          [4/6]      ◀APP/RMT▶      [5/6]      ◀Lag./语言▶     [6/6]
SPEED:◀ AUTO ▶            ADDRESS: 1                Lag.: ◀ English ▶
                 S/F                     S/F                        S/F
```
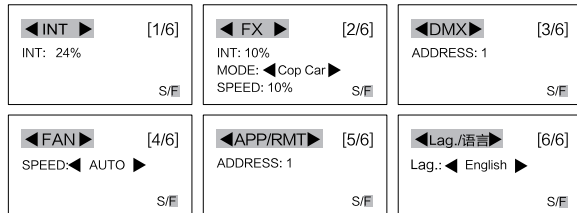
(1) When in INT mode, press the multi-function interface button ⊞ to switch between brightness display and INT (brightness) settings.
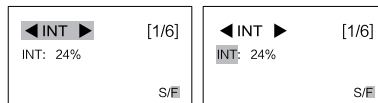
```
◀ INT ▶        [1/6]      ◀ INT ▶        [1/6]
INT:  24%                  INT:  24%
                 S/F                     S/F
```

(2) When INT is selected on the second line of the LCD, turn the multi-function interface dial to increase or decrease the brightness of the light. Brightness is adjustable from 0-100%.

```
◀ INT ▶        [1/6]
INT:  24%
                 S/F
```

3.When FX is selected on the first line of the LCD, turn the multi-function interface dial to switch between INT (brightness), FX, DMX setting, FAN, APP/Remote, and Lag. (language) modes.
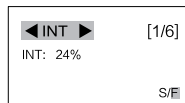
```
◀ FX ▶         [2/6]      ◀DMX▶          [3/6]      ◀FAN▶          [4/6]
INT: 10%                  ADDRESS: 1                SPEED:◀ AUTO ▶
MODE: ◀Cop Car▶
SPEED: 10%    S/F                        S/F                        S/F

◀APP/RMT▶      [5/6]      ◀Lag./语言▶     [6/6]      ◀ INT ▶        [1/6]
ADDRESS: 1                Lag.: ◀ English ▶          INT:  24%
                 S/F                     S/F                        S/F
```

(1) When in FX mode, press the multi-function interface button ⊞ to switch between FX display, INT (brightness), MODE and SPEED settings.
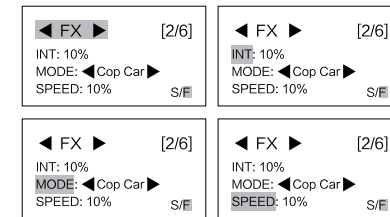
```
◀ FX ▶         [2/6]      ◀ FX ▶         [2/6]
INT: 10%                  INT: 10%
MODE: ◀Cop Car▶           MODE: ◀Cop Car▶
SPEED: 10%    S/F         SPEED: 10%    S/F

◀ FX ▶         [2/6]      ◀ FX ▶         [2/6]
INT: 10%                  INT: 10%
MODE: ◀Cop Car▶           MODE: ◀Cop Car▶
SPEED: 10%    S/F         SPEED: 10%    S/F
```

(2) When INT is selected on the second line of the LCD, turn the multi-function interface dial to increase or decrease the brightness of the light. INT (brightness) is adjustable from 0-100%.

(3) When MODE is selected on the third line of the LCD, turn the multi-function interface dial to switch between lighting effects as below:

```
◀ FX ▶         [2/6]      ◀ FX ▶         [2/6]      ◀ FX ▶         [2/6]
INT: 10%                  INT: 10%                  INT: 10%
MODE: ◀Lightning▶         MODE: ◀Fireworks▶         MODE: ◀ Flash ▶
SPEED: 10%    S/F         SPEED: 10%    S/F         SPEED: 10%    S/F
```

```
┌─────────────────┐  ┌─────────────────┐  ┌─────────────────┐
│ ◀ FX ▶    [2/6] │  │ ◀ FX ▶    [2/6] │  │ ◀ FX ▶    [2/6] │
│ INT: 10%        │  │ INT: 10%        │  │ INT: 10%        │
│ MODE: ◀ Breath ▶│  │ MODE: ◀Cop Car▶ │  │ MODE: ◀ SOS ▶   │
│ SPEED: 10%  S/F │  │ SPEED: 10%  S/F │  │ SPEED: 10%  S/F │
└─────────────────┘  └─────────────────┘  └─────────────────┘
┌─────────────────┐  ┌─────────────────┐  ┌─────────────────┐
│ ◀ FX ▶    [2/6] │  │ ◀ FX ▶    [2/6] │  │ ◀ FX ▶    [2/6] │
│ INT: 10%        │  │ INT: 10%        │  │ INT: 10%        │
│ MODE:◀Fault light▶│ │ MODE:◀Turn signal▶│ │ MODE: ◀Tracing ▶│
│ SPEED: 10%  S/F │  │ SPEED: 10%  S/F │  │ SPEED: 10%  S/F │
└─────────────────┘  └─────────────────┘  └─────────────────┘
┌─────────────────┐  ┌─────────────────┐
│ ◀ FX ▶    [2/6] │  │ ◀ FX ▶    [2/6] │
│ INT: 10%        │  │ INT: 10%        │
│ MODE: ◀ Screen ▶│  │ MODE:◀H&L beam▶ │
│ SPEED: 10%  S/F │  │ SPEED: 10%  S/F │
└─────────────────┘  └─────────────────┘
```

(4) When SPEED is selected on the fourth line of the LCD, turn the multi-function interface dial to adjust the effect speed from 0-100%.

4.When DMX is selected on the first line of the LCD, turn the multi-function interface dial to switch between INT (brightness), FX, DMX setting, FAN, APP/Remote and Lag. (language) modes.
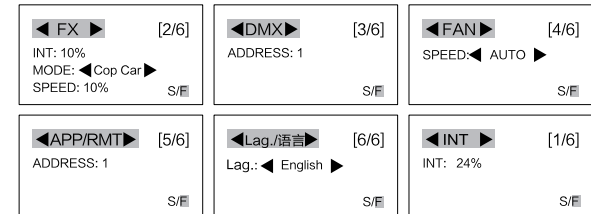
```
┌─────────────────┐  ┌─────────────────┐  ┌─────────────────┐
│ ◀DMX▶     [3/6] │  │ ◀FAN▶     [4/6] │  │ ◀APP/RMT▶ [5/6] │
│ ADDRESS: 1      │  │ SPEED:◀ AUTO ▶  │  │ ADDRESS: 1      │
│             S/F │  │             S/F │  │             S/F │
└─────────────────┘  └─────────────────┘  └─────────────────┘
┌─────────────────┐  ┌─────────────────┐  ┌─────────────────┐
│ ◀Lag./语言▶ [6/6]│  │ ◀ INT ▶   [1/6] │  │ ◀ FX ▶    [2/6] │
│ Lag.: ◀ English ▶│ │ INT:  24%       │  │ INT: 10%        │
│                  │  │                 │  │ MODE: ◀Cop Car▶ │
│             S/F │  │             S/F │  │ SPEED: 10%  S/F │
└─────────────────┘  └─────────────────┘  └─────────────────┘
```

(1) When in DMX mode, press the multi-function interface button ⊡ to switch between DMX display and ADDRESS settings.

```
┌─────────────────┐  ┌─────────────────┐
│ ◀DMX▶     [3/6] │  │ ◀DMX▶     [3/6] │
│ ADDRESS: 1      │  │ ADDRESS: 1      │
│             S/F │  │             S/F │
└─────────────────┘  └─────────────────┘
```
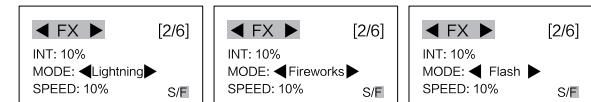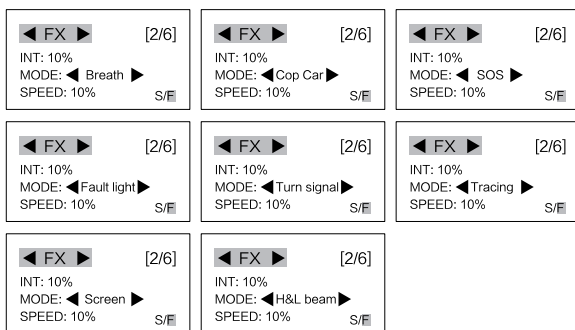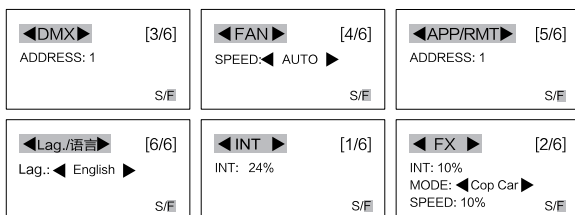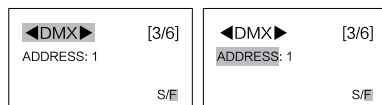
(2) When ADDRESS is selected on the second line of the LCD, turn the multi-function interface dial to change the address of the fixture. DMX address range is 1-512.

5.When FAN is selected on the first line of the LCD, turn the multi-function interface dial to switch between INT (brightness), FX, DMX setting, FAN, APP/Remote and Lag. (language) modes.
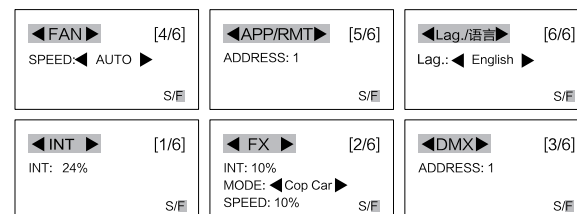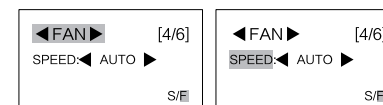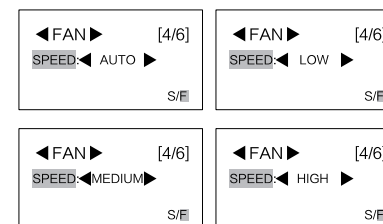
```
┌─────────────────┐  ┌─────────────────┐  ┌─────────────────┐
│ ◀FAN▶     [4/6] │  │ ◀APP/RMT▶ [5/6] │  │ ◀Lag./语言▶ [6/6]│
│ SPEED:◀ AUTO ▶  │  │ ADDRESS: 1      │  │ Lag.: ◀ English ▶│
│             S/F │  │             S/F │  │             S/F │
└─────────────────┘  └─────────────────┘  └─────────────────┘
┌─────────────────┐  ┌─────────────────┐  ┌─────────────────┐
│ ◀ INT ▶   [1/6] │  │ ◀ FX ▶    [2/6] │  │ ◀DMX▶     [3/6] │
│ INT:  24%       │  │ INT: 10%        │  │ ADDRESS: 1      │
│                 │  │ MODE: ◀Cop Car▶ │  │                 │
│             S/F │  │ SPEED: 10%  S/F │  │             S/F │
└─────────────────┘  └─────────────────┘  └─────────────────┘
```

(1) When in FAN mode, press the multi-function interface button ⊡ to switch between FAN display and SPEED settings.

```
┌─────────────────┐  ┌─────────────────┐
│ ◀FAN▶     [4/6] │  │ ◀FAN▶     [4/6] │
│ SPEED:◀ AUTO ▶  │  │ SPEED:◀ AUTO ▶  │
│             S/F │  │             S/F │
└─────────────────┘  └─────────────────┘
```

(2) When SPEED is selected on the second line of the LCD, turn the multi-function interface dial to change the speed of the fan between low, medium, high and auto.

```
┌─────────────────┐  ┌─────────────────┐
│ ◀FAN▶     [4/6] │  │ ◀FAN▶     [4/6] │
│ SPEED:◀ AUTO ▶  │  │ SPEED:◀ LOW ▶   │
│             S/F │  │             S/F │
└─────────────────┘  └─────────────────┘
┌─────────────────┐  ┌─────────────────┐
│ ◀FAN▶     [4/6] │  │ ◀FAN▶     [4/6] │
│ SPEED:◀MEDIUM▶  │  │ SPEED:◀ HIGH ▶  │
│             S/F │  │             S/F │
└─────────────────┘  └─────────────────┘
```

6.When APP/Remote is selected on the first line of the LCD, turn the multi-function interface dial to switch between INT (brightness), FX, DMX setting, FAN, APP/Remote and Lag. (language) modes.
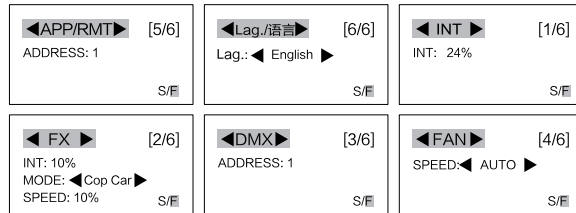
```
◀APP/RMT▶   [5/6]        ◀Lag./语言▶    [6/6]       ◀ INT ▶        [1/6]
ADDRESS: 1               Lag.: ◀ English ▶         INT:  24%
                S/F                       S/F                     S/F

◀ FX ▶      [2/6]        ◀DMX▶        [3/6]        ◀FAN▶          [4/6]
INT: 10%                 ADDRESS: 1                SPEED:◀ AUTO ▶
MODE: ◀Cop Car▶
SPEED: 10%      S/F                       S/F                     S/F
```

(1) When in APP/Remote mode, press the multi-function interface button ⊡ to switch between APP/Remote display and ADDRESS settings.

```
◀APP/RMT▶   [5/6]        ◀APP/RMT▶   [5/6]
ADDRESS: 1              ADDRESS: 1
                S/F                       S/F
```

(2) When ADDRESS is selected on the second line of the LCD, turn the multi-function interface dial to change the APP/Remote address between 1-12.

```
◀APP/RMT▶   [5/6]
ADDRESS: 1
                S/F
```
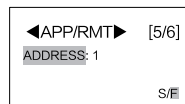
7.When Lag. (language) is selected on the first line of the LCD, turn the multi-function interface dial to switch between INT (brightness), FX, DMX setting, FAN, APP/Remote and Lag. (language) modes.
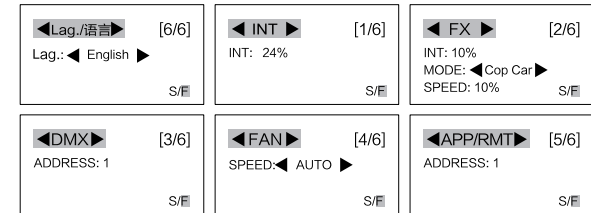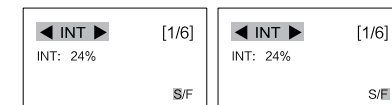
```
◀Lag./语言▶   [6/6]       ◀ INT ▶       [1/6]        ◀ FX ▶        [2/6]
Lag.: ◀ English ▶        INT:  24%                INT: 10%
                                                 MODE: ◀Cop Car▶
                S/F                      S/F       SPEED: 10%     S/F

◀DMX▶        [3/6]       ◀FAN▶          [4/6]       ◀APP/RMT▶    [5/6]
ADDRESS: 1              SPEED:◀ AUTO ▶             ADDRESS: 1
                S/F                      S/F                     S/F
```

(1) When in Lag.(language) mode, press the multi-function interface button ⊡ to switch between Lag. (language) display and Lag. settings.

```
◀Lag./语言▶   [6/6]       ◀Lag./语言▶    [6/6]
Lag.: ◀ English ▶        Lag.: ◀ English ▶
                S/F                       S/F
```

(2) When Lag. is selected on the second line of the LCD, turn the multi-function interface dial to switch system language between English and Chinese.
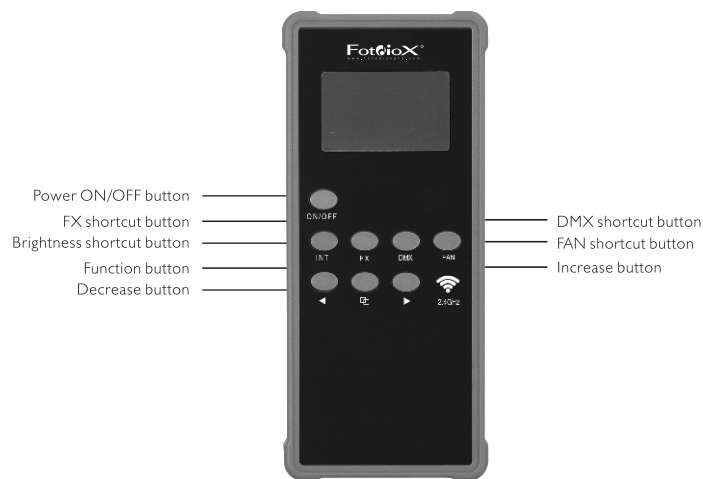
```
◀Lag./语言▶   [6/6]
Lag.: ◀ English ▶
                S/F
```
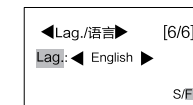
8.Fast and slow adjustment in INT (brightness) and FX SPEED modes: Press the multi-function interface button ⊡ for 3 seconds or longer to switch between fast and slow adjustments. The indicator at the bottom right of the LCD will change between F (fast) and S (slow) to indicate which adjustment mode is active. In F (fast) mode, INT (brightness) and SPEED are adjusted in 10% increments, while in S (slow) mode adjustments will be made in 1% increments.

```
◀ INT ▶      [1/6]       ◀ INT ▶       [1/6]
INT:  24%               INT:  24%
                S/F                       S/F
```

Remote control operating instructions:

Power ON/OFF button

FX shortcut button

Brightness shortcut button

Function button

Decrease 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 Lag. (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.)

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 indication light will flash.
(4) The upgrade will take approximately 10 seconds. The upgrade is complete when the "Welcome" message appears 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.