ELEMENT G900

双色点光源聚光灯产品说明书

G900 User Manual

SOONWELL.

website

warranty card

Customer name	
Customer address	
contact number	
Order number	
Purchase date	
Product model	
Description	
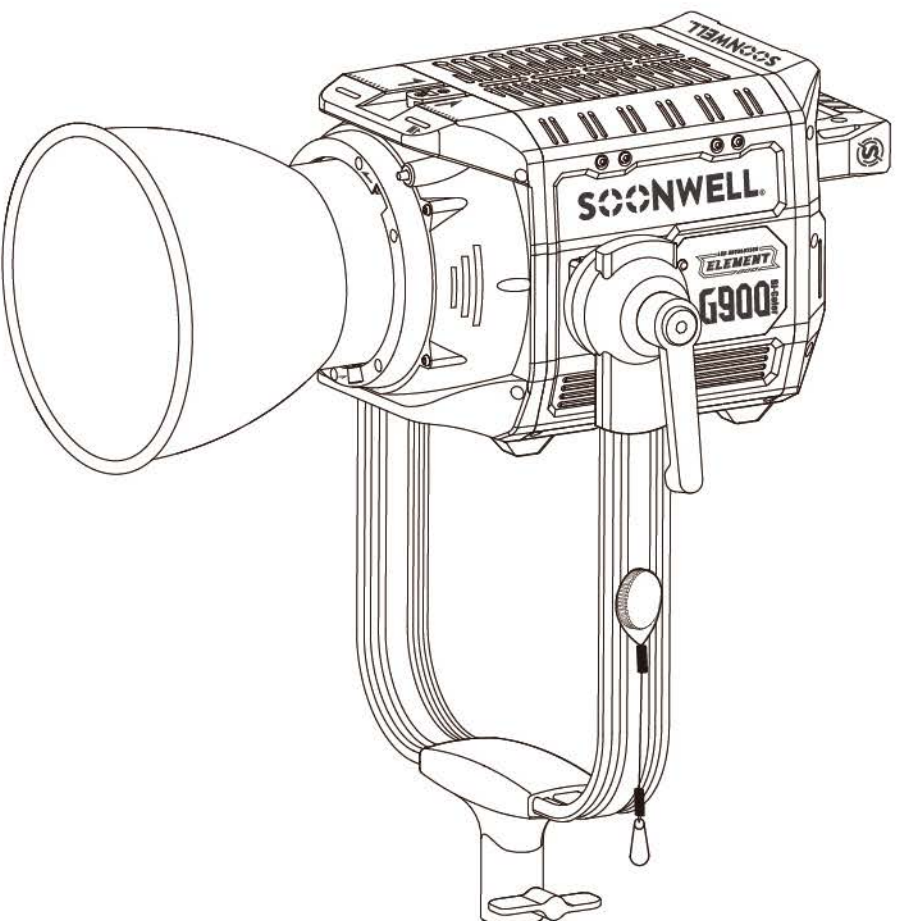
III、FCC COMPLIANCE STATEMENT

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

◉ This device may not cause harmful interference.

◉ 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.
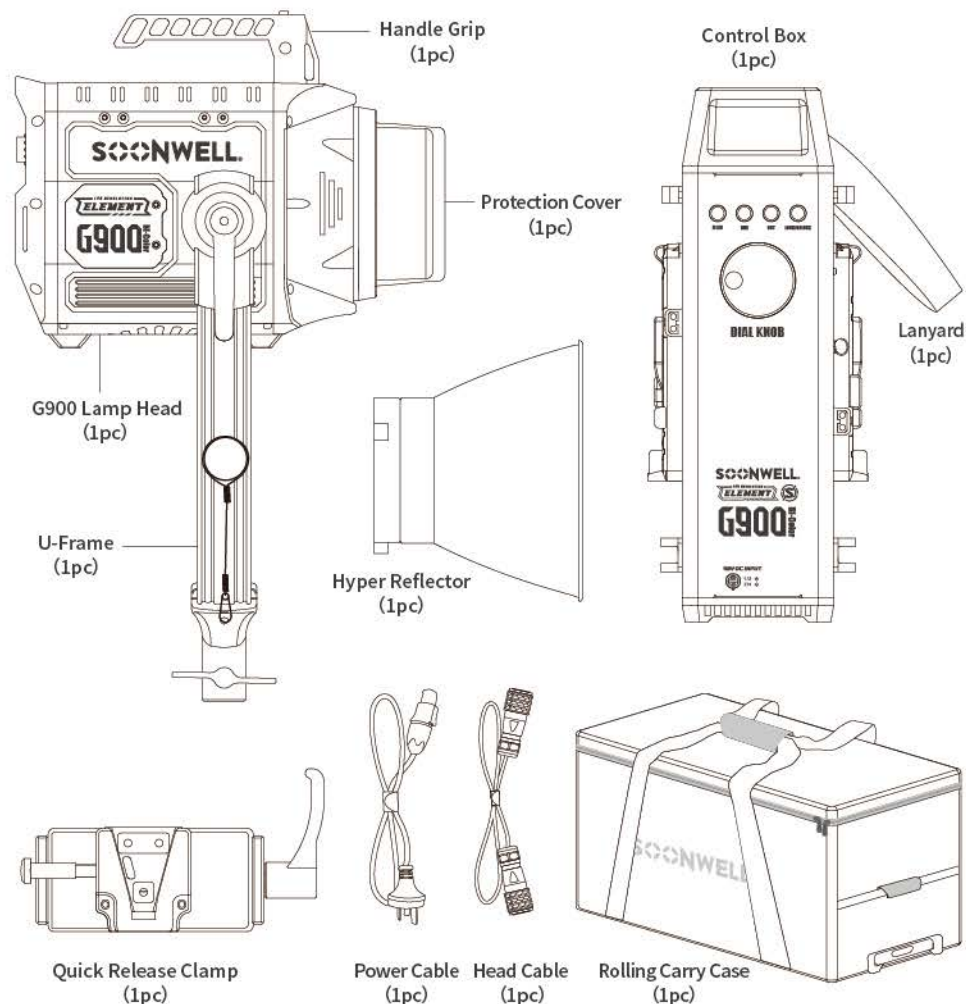
- If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try reorient or relocate the receiving antenna. Increase the separation between the equipment and receiver.

- 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.

IV、RF WARNING STATEMENT

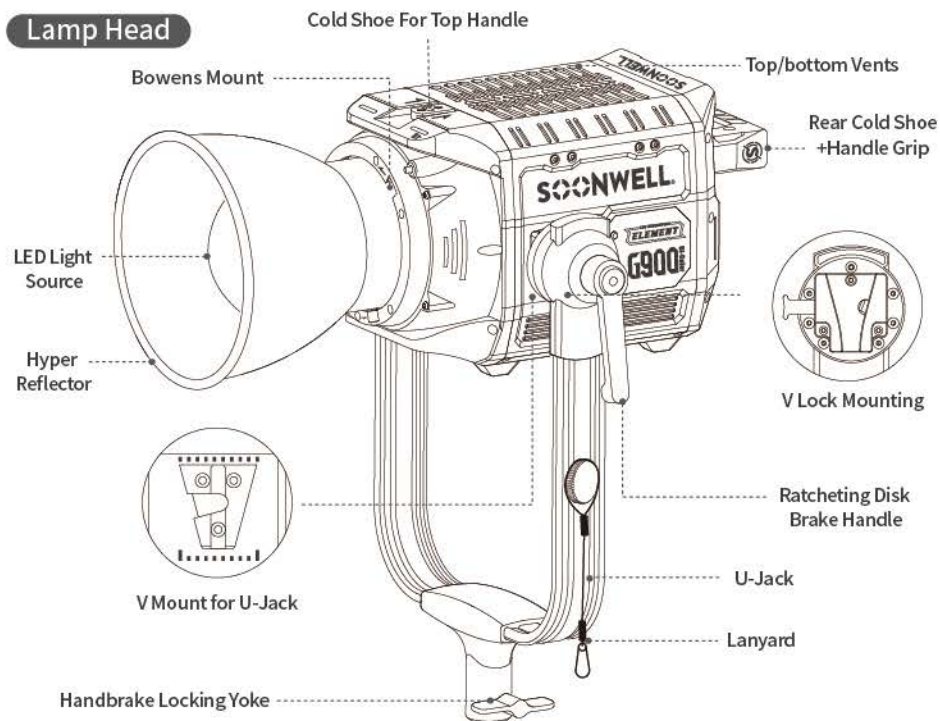This device has been evaluated to meet general RF exposure requirements.

V、PACKING LIST

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

Handle Grip
(1pc)

Control Box
(1pc)

Protection Cover
(1pc)

Lanyard
(1pc)

G900 Lamp Head
(1pc)

Hyper Reflector
(1pc)

U-Frame
(1pc)

Quick Release Clamp
(1pc)

Power Cable
(1pc)

Head Cable
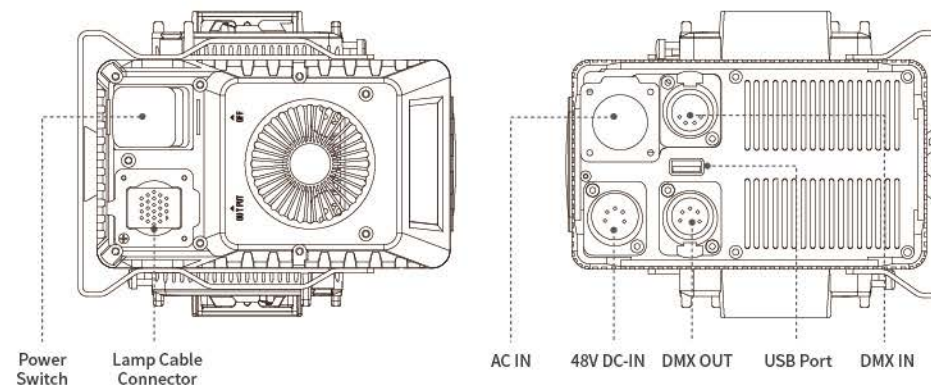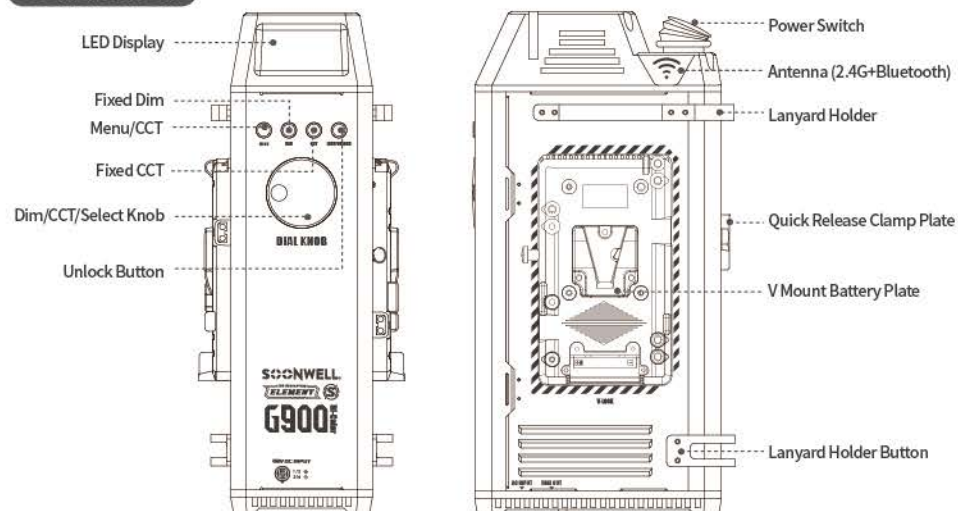(1pc)

Rolling Carry Case
(1pc)

※ 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.

VI、PRODUCT DETAILS

Lamp Head

- Cold Shoe For Top Handle
- Bowens Mount
- Top/bottom Vents
- Rear Cold Shoe +Handle Grip
- LED Light Source
- Hyper Reflector
- V Lock Mounting
- V Mount for U-Jack
- Ratcheting Disk Brake Handle
- U-Jack
- Lanyard
- Handbrake Locking Yoke

Control Box

- LED Display
- Fixed Dim
- Menu/CCT
- Fixed CCT
- Dim/CCT/Select Knob
- Unlock Button
- DIAL KNOB
- Power Switch
- Antenna (2.4G+Bluetooth)
- Lanyard Holder
- Quick Release Clamp Plate
- V Mount Battery Plate
- Lanyard Holder Button

- Power Switch
- Lamp Cable Connector
- AC IN
- 48V DC-IN
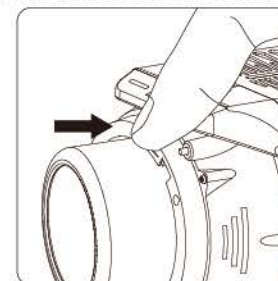- DMX OUT
- USB Port
- DMX IN

VII、SETTING UP THE LIGHT

Attaching/detaching the Protection Cover

### 1. Attaching/detaching the Protection Cover

Press down the lock pin and rotate the cover clockwise to detach the cover.
Fix the cover into the Bowens mount and rotate the cover counter-clockwise to attach the cover.
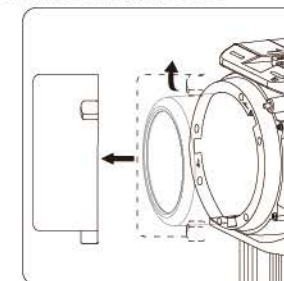
※ **Notice:** Always remove the protection cover prior when turning on the light. Always re-install the cover when packing it away.

2.Attaching/detaching the Hyper-Reflector

Fix the reflector into the Bowens mount and rotate it counter-clockwise to attach the Hyper-reflector.
Press down the lock pin and rotate the Hyper-reflector clockwise to detach it.
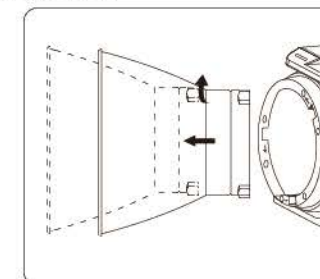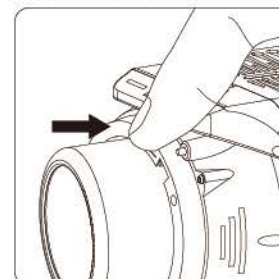
※ **Notice:** Installation methods of other bowens mount accessories are similar to this, please refer to the above installation methods.
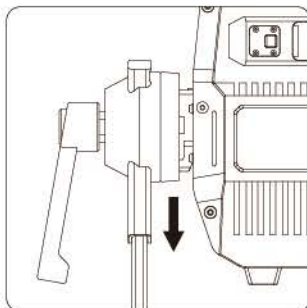
Setting Up the Lamp Head

1.Attaching/detaching the U-Jack

Both of the V-locks on the U-jack need to be retained close status, if not, following the arrow on the picture, press down the plate to release the locking pin.
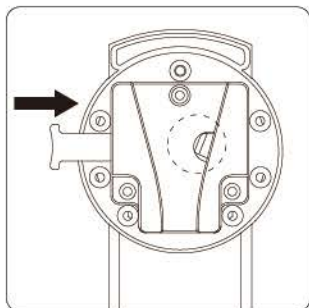
Hold up the lamp, place it into the V-locks on the U-jack, the V-lock will lock down the lamp automatically, lamp set up finished.
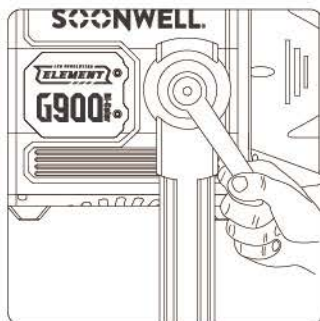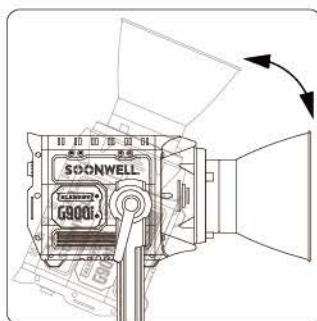
Press down the V-lock plates on the U-jack, unlock the lamp, hold up & release the lamp from the U-jack.
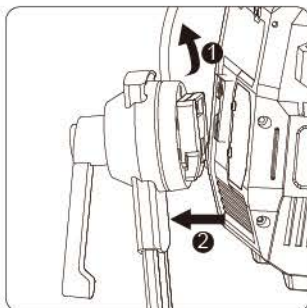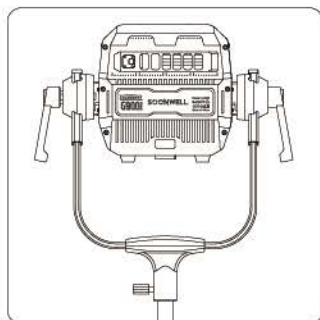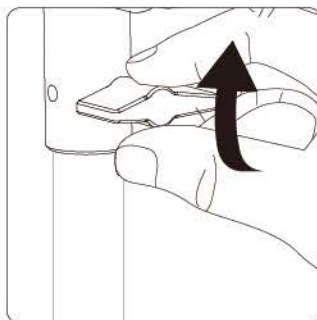
2.Fix The Lamp Head

The tilt angle of the lamp body can be adjusted through the ratcheting disk brake handle. Loosen the ratcheting disk brake handle, adjust the lamp head to a suitable angle, and rotate it to fix it.
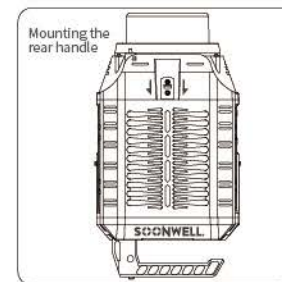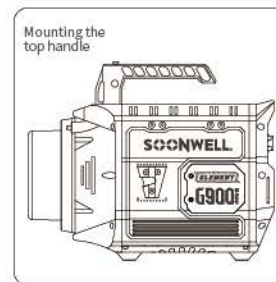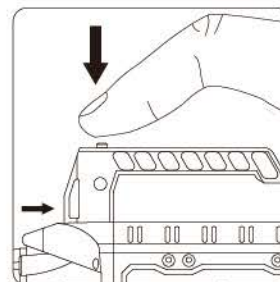
3.U-jack Setting Up on Light Stand

Hold up the U-jack, put its spigot onto a light stand, screw in the thumb knob and fix the U-jack on the light stand.

4.Setting up the Handle Grip

Press down the locking button on the top of the handle, slid in or out to assemble/disassemble the handle on the top or the end of the lamp.

Mounting the top handle

Mounting the rear handle

Setting Up the Control Box

1.Install the control box to the light stand.

Mount and fix the quick release clamp on a light stand by rotating the handle on the clamp; fix in and lock the control box on the clamp by its V-lock plate.
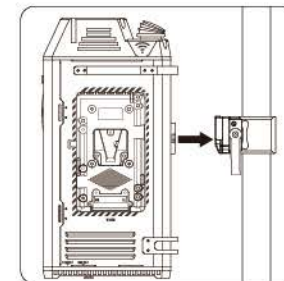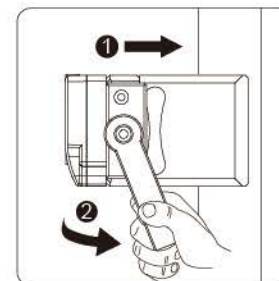
Connect The Light Head And Control Box

As the picture, connect the Light head and control box with connecting cable.

You can use the lanyard to manage the cables.
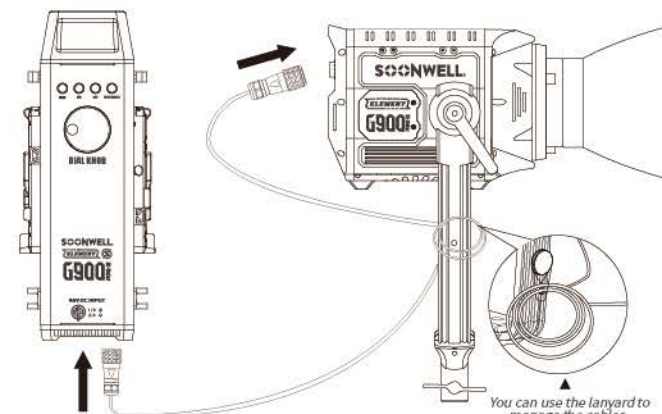
※ Tips: 1.Press down the unlock pins on the connectors before plugging in/out. Do not pull out the connector before pressing down its unlock pin!

2.Use the original lamp cable for the connection only! Contact us if the cable got lost or damaged.

VII、Powered

AC powered

DIAL KNOB

Spring Lock

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G900

AC 100V-240V

① ②
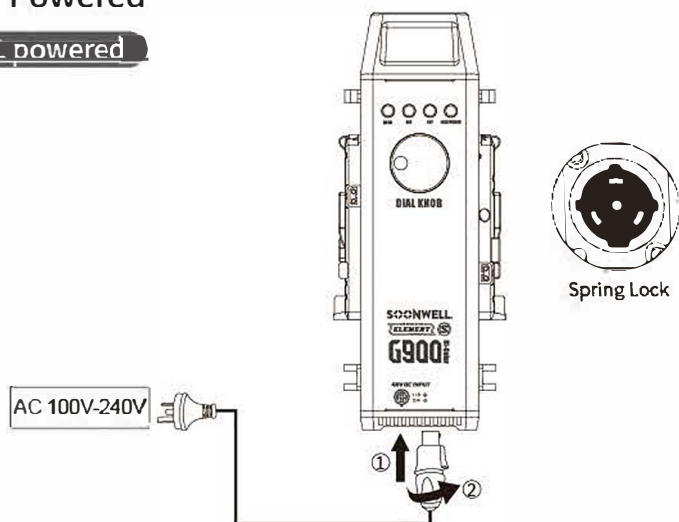
※ Tips: Press down the unlock pin on the conector before pulling out from the control box. Hard-pull Operation will cause damage on the unit.

Battery Powered

※ Tips: ① In battery power mode, to protect the batteries being damaged, the maximum output power of the lamp is limited to be 300W.
　　　② Battery power mode functions only when the both of the 2 batteries attached.
　　　③ Compatible with 14.8V output voltage li-ion batteries.

VIII、Operation Guide

G900 integrated with 4 control methods: Button control, Bluetooth(APP) Control, Wired DMX Control.Only 1 of the 4 controls can be applied to the lamp at a time.
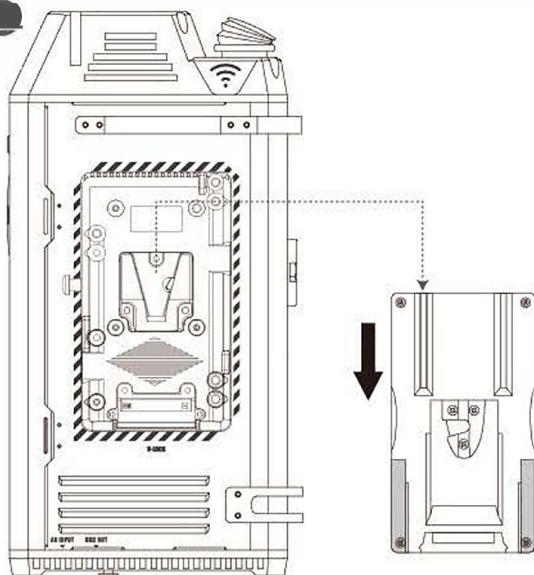
Manual Control

1.Start /CCT mode

Power and switch on the control box. Its normal working startup display will be shown as following:

Master-slave Mode ---
Brightness ----
DMX Address ----

CCT　S　🔓 --- Lock/Unlock
--- Color Temp.
DIM　CCT　CUR
100%　5600K　╱ --- Dimming Curve
DMX 001　WF 0

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ELEMENT Ⓢ
DIAL KNOB

错误
WRONG
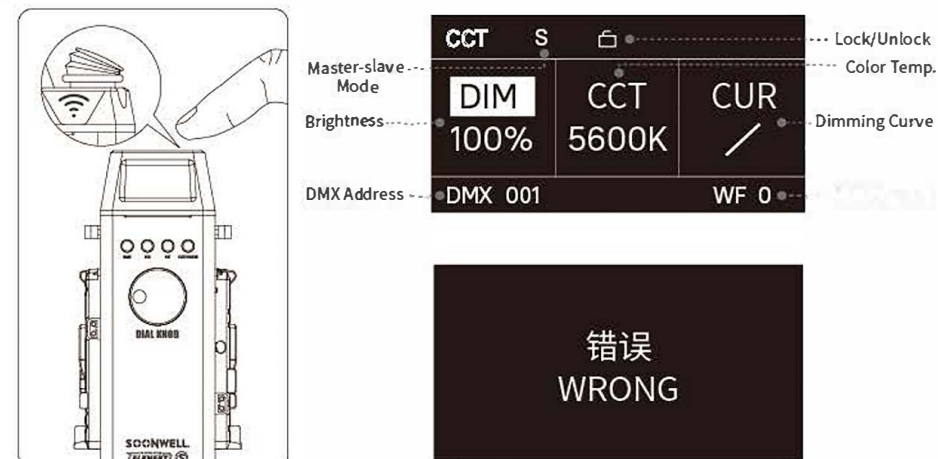
※ Note: "Wrong" display for the system errors as following:
　①Connection error/disconnect on lamp　② Over-heat protection on control box　③ Sensor failure

CCT Mode

Quick press on the **[DIAL KNOB]** to enter CCT parameter setting, quick press again on the knob to move the selection cursor to next parameter. Rotate on the knob to adjust the selected parameter.

Parameter Range

Brightness (DIM): 1% to 100%
Color Temperature (CCT): 2600K to 6000K
Curve (CURVE): Linear, logarithmic

2."DIAL KNOB" Rotating Function

Move selection cursor or parameter setting; rotating clockwise to increase value or decrease value on counter-clockwise.

－　＋
SELECT

100%

Menu Mode

In unlock mode, press the 【MENU】 button, rotate the knob and move the cursor on the setting list, press the knob to enter the selected setting: EFFECT\SET-LCD\SET-FUNC\SYS TEMP.

```
┌─────────────────┐
│   EFFECT        │
│   SET-LCD       │
│   SET-FUNC      │
│   SYS TEMP      │
└─────────────────┘
```

1、Effect Mode

In effect mode, rotate the 【DIAL KNOB】 to view the light effect, short press the 【DIAL KNOB】 to select the light effect, continue to press the 【DIAL KNOB】 to enter the light effect page, and adjust the brightness and frequency parameters.

Parameter Range

8 pre-set FX: STORM, CYCLE, JUMP, FLASH, PAPARAZZI, BAD BULB, TV, EXPLOSION.
Brightness: Adjustable from 1% to 100%
Speed: adjustable range 01-20
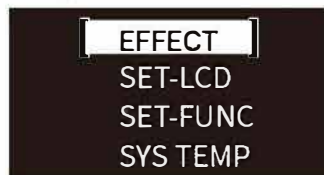
```
┌──────────────────┐   ┌──────────────────────┐
│   MODE           │   │  DIM      SPEED      │
│   BAD BULB       │   │  S        01         │
└──────────────────┘   └──────────────────────┘
```
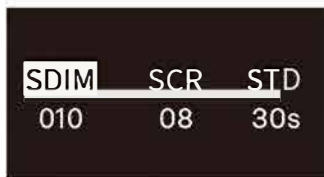
2、SET-LCD

In the display SET-LCD, rotate the 【DIAL KNOB】 to move the cursor, press [Dial wheel] to enter the selected menu, and rotate the 【DIAL KNOB】 to adjust the display parameters.

Parameter Range

"SDIM"-Brightness: Adjustable range from 1 to 10
"SCR"-Contrast: Adjustable range from 1 to 10
"STD"-Delay: Timing of LCD backlight turns off when no operation on the buttons, 30s, 60s, 120s, ---(steady lit).

```
┌──────────────────────────┐
│  SDIM    SCR    STD      │
│  010     08     30s      │
└──────────────────────────┘
```

3、SET-FUNC

Rotate the 【DIAL KNOB】 to switch menus, press 【DIAL KNOB】 to select a menu, and then rotate the 【DIAL KNOB】 to set the parameters of the selected menu, and press 【DIAL KNOB】 again to jump to the next menu.
Parameter Range
"LANG"-Language: Chinese or English.

"ADD"-DMX Address: 001 to 511.

"BT"-Bluetooth. open or close

"MODE"-M/S: master or slave

```
┌──────────────────┐ ┌──────────────────┐ ┌──────────────────┐
│  LANG   ADD      │ │  MODE   WF       │ │  WIFI   BT       │
│  ENG    001      │ │  S      0        │ │  open   open     │
└──────────────────┘ └──────────────────┘ └──────────────────┘
```

4、System Temperature

You can check the product temperature in this mode.

Parameter Range

Temperature 1 means temperature of the control box
Temperature 2 means temperature of the lamp head

```
┌──────────────────────┐
│   TRMP1    042       │
│   TRMP2    047       │
└──────────────────────┘
```

DMX Console Control

1. DMX Standard Console connected with SOONWELL G900 spotlight control box

DMX512

Connect a G900

Menu Mode

In unlock mode, press the 【MENU】 button, rotate the knob and move the cursor on the setting list, press the knob to enter the selected setting: EFFECT\SET-LCD\SET-FUNC\SYS TEMP.

```
EFFECT
SET-LCD
SET-FUNC
SYS TEMP
```

1、Effect Mode

In effect mode, rotate the 【DIAL KNOB】 to view the light effect, short press the 【DIAL KNOB】 to select the light effect, continue to press the 【DIAL KNOB】 to enter the light effect page, and adjust the brightness and frequency parameters.

Parameter Range

8 pre-set FX: STORM, CYCLE, JUMP, FLASH, PAPARAZZI, BAD BULB, TV, EXPLOSION.
Brightness: Adjustable from 1% to 100%
Speed: adjustable range 01-20

```
MODE
BAD BULB
```

```
DIM    SPEED
S       01
```

2、SET-LCD

In the display SET-LCD, rotate the 【DIAL KNOB】 to move the cursor, press [Dial wheel] to enter the selected menu, and rotate the 【DIAL KNOB】 to adjust the display parameters.

Parameter Range

"SDIM"-Brightness: Adjustable range from 1 to 10
"SCR"-Contrast: Adjustable range from 1 to 10
"STD"-Delay: Timing of LCD backlight turns off when no operation on the buttons, 30s, 60s, 120s, ---(steady lit).

```
SDIM    SCR    STD
010     08     30s
```

3、SET-FUNC

Rotate the 【DIAL KNOB】 to switch menus, press 【DIAL KNOB】 to select a menu, and then rotate the 【DIAL KNOB】 to set the parameters of the selected menu, and press 【DIAL KNOB】 again to jump to the next menu.
Parameter Range
"LANG"-Language: Chinese or English.
"ADD"-DMX Address: 001 to 511.
"WIFI": open or close
"BT"-Bluetooth: open or close
"MODE"-M/S: master or slave
"WF"-Wifi Chanel: 0-7.

```
LANG   ADD        MODE   WF        WIFI   BT
ENG    001        S      0         open   open
```
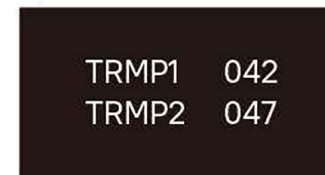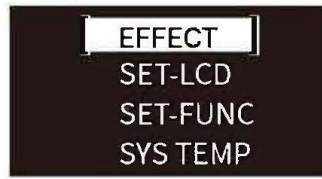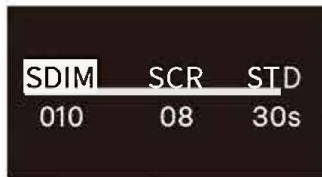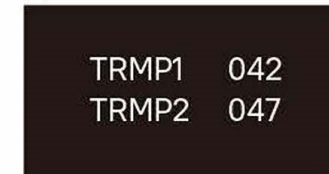
4、System Temperature

You can check the product temperature in this mode.

Parameter Range

Temperature 1 means temperature of the control box
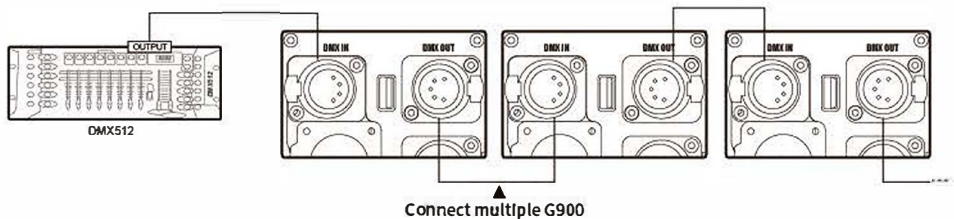Temperature 2 means temperature of the lamp head

```
TRMP1   042
TRMP2   047
```

DMX Console Control

1. DMX Standard Console connected with SOONWELL G900 spotlight control box

DMX512   Connect a G900

Connect multiple G900
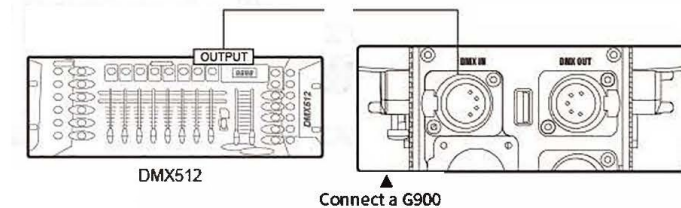
2. DMX standard console is connected with SOONWELL G900 spotlight control box, ST series and other SOONWELL series lights.

Connect multiple SOONWELL lights of different models.
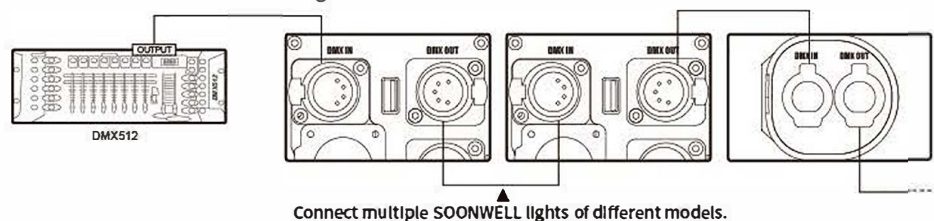
3. Signal Channel and Address Description

G900 spotlight has 2 DMX signal channels, Channel definition: N(DIM), N+1(CCT).

DMX address setting range: 001-511. In DMX control mode, the brightness and color temperature of the lights can only be adjusted through the DMX console. Fit for single or multiple G900 spotlights.

※ When controlling multiple G900s independently, offset the DMX address of each light by 2 channels. (If light A is set to DM001, then light B is set to DM003 so that A and B can be controlled separately on the DMX controller.)

DMX utility table		
MODE	CHANNEL	FUNCTION
MODE1: Lighting	1	DIM: 1%-100%
	2	CCT: 2600K-6000K

Bluetooth (APP) Control Instructions

APP Name: Sensei Link

You can download the APP (Android version) on SOONWELL official website or search the sensei link in the Apple Store to download the iOS version. For more details, please visit: www.soonwell.com

IX、Product Parameters

Parameter	Lamp	U-Jack	Controller	Package
Dimentions(L*W*H)	27*17*18cm	36*4*24cm	32*9*15.50cm	48*32*50cm
Weight(KG)	4.85	1.10	4.23	18.10

G900 Parameters			
Color Temperature	2600K~6000K	Dimming	1%-100%
CRI	≥96	TLCI	≥97
TM-30 Rf (Ave.)	93	TM-30 Rg (Ave.)	100
Power Consumption	1000W(MAX)	Power Output	950W(MAX)
Waterproof	IP54	Battery Type	V-mount Li-ion Battery
Cooling	Active	Display	LCD
Controller Cable Length	4M	Accessory interface	Bowens Mount
Power Cord Length	4.8M	Operating Temperature	0℃-45℃
Control Mode	On-board/BT/DMX512		
Power Supply(AC)	100V(10A)~240V(5A), 50Hz/60Hz		
Battery Power(1/3 Rated Power Output)	14.8/10A x2		

Brightness Test Data					
	CCT	1m	3m	5m
Light	3200K	18900lx / 1750fc	2990lx / 278fc	1190lx / 110fc
	5600K	20000lx / 1850fc	3480lx / 323fc	1410lx / 131fc
Light+ Hyper reflector	3200K	100000lx / 9320fc	9610lx / 893fc	3540lx / 329fc
	5600K	123000lx / 11500fc	10900lx /1010fc	4110lx / 382fc

* The brightness data is average data, and there will be slight differences in different lights.

X、Warranty

1. Malfunctions caused by water in the lamp are not covered by warranty.

2. If the G900 was used in rainy day, it would be better & safer to use the lamp within the tilt angle range as below:

+45°

-45°