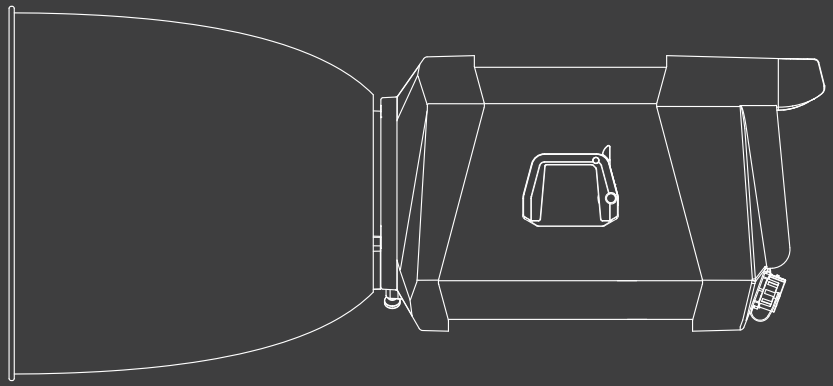
NANLUX

Evoke 2400B *LED Bi-color Spot Light*



USER MANUAL

Guangdong Nanguang Photo&Video Systems Co., Ltd.

Introduction

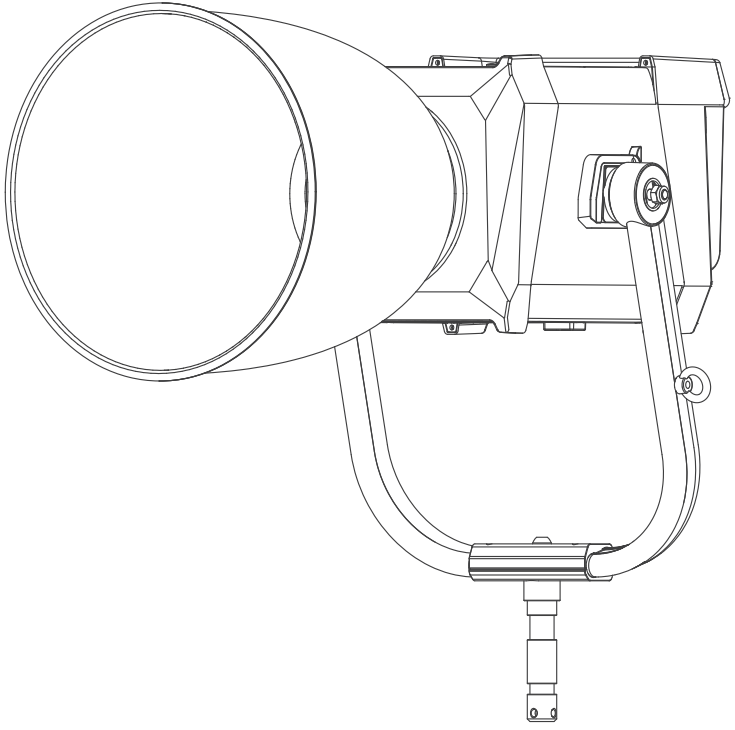
Thank you for purchasing Nanlux product -- Eovke 2400B!
Evoke 2400B is a LED bi-color spotlight specifically designed for film and TV projects. It is equipped with rated power of 2400W, adjustable CCT of 2700K-6500K, precise dimming in 0.1% increment, 12 effects, 4 fan CCTs, and 2 output CCTs. The multiple control methods include on-board, remote control, Nanlink App, DMX/RDM, LumenRadio CRMX and Ethernet (Art Net, sACN). Both the fixture and power supply are built with metal structure and quick release mechanism, and IP55 rating, providing precise, convenient and reliable lighting solutions for production. It's worth mentioning that Evoke 2400B also has modifier recognition function, for automatically recognizing modifiers that with electronic contacts and limiting the power, ensuring safety while making it a more intelligent lighting equipment.

Notice

1. Please do not look directly at the emitter when the light is on, to avoid eyes discomfort caused by high luminance.
2. Please do not place the fixture near any flammables and explosives, to avoid fire hazard caused by high luminance.
3. Please do not turn on the fixture with a modifier mounted and place it face down on flammable materials, as this may cause burns or fire hazards.
4. Please do not immerse the fixture in water. While with IP55 rating, the light fixture can be used in the rainy situations.
5. Please ensure the fixture is dry before packing after using in the rain.
6. Please place the power cable and DC cable properly to avoid stumbled caused by long cables.
7. Please exchange the power cable if any damage is found, to avoid electric shock.
8. Please use the power cable and DC cable provided by the manufacturer as the power is high. Dangers like melting cable, electric shock or fire may happen if cables of other brands are used.
9. Please do not block the vents when the fixture is on. The fixture is built with active cooling system, so ensure unimpeded vents to prevent the fixture from protection state due to overheating.
10. Please do not disassemble the fixture to repair at will, to avoid damage to the fixture that contains precision electronic components. If repair is required, please return to the distributor or have it repaired by any qualified technician.
11. Please switch the fixture off and unplug the cables before cleaning, to avoid electric shock.
12. Please do not use strong detergent for cleaning. Please wipe off the dirt by using a cloth with neutral cleanser when cleaning the fixture.
13. Please hold the handle securely when detaching the accessories or adjusting the beam directions, since the accessories such as Fresnel lens and softbox are heavy.
14. Please ensure that the power cable and DC cable are properly connected before powering the fixture, to avoid sparking and heating of the plug.

Evoke 2400B LED Bi-color Spot Light

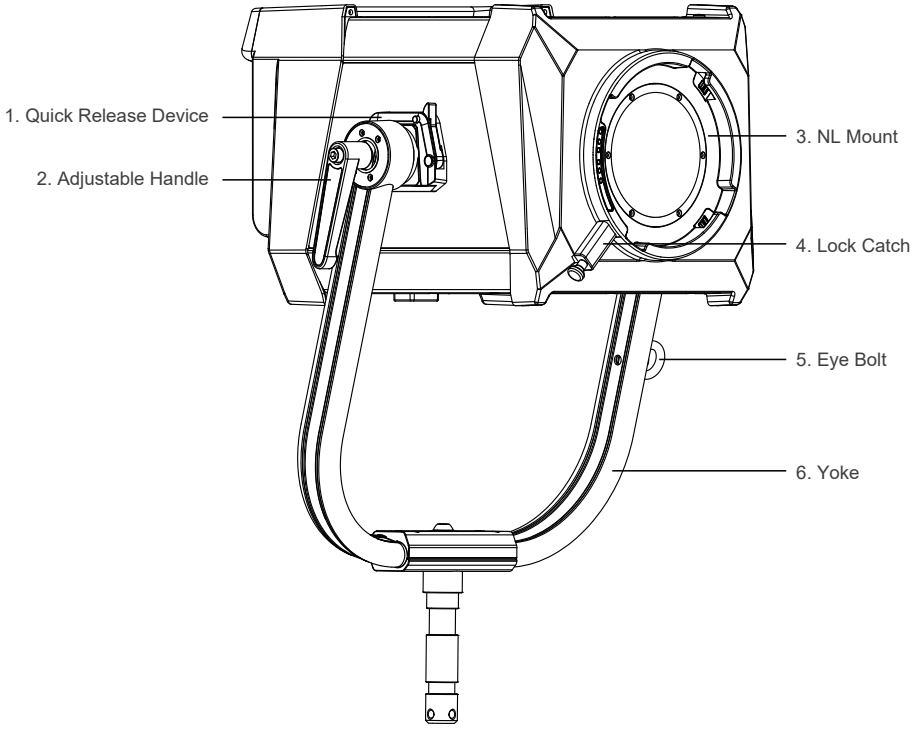
Product Diagram

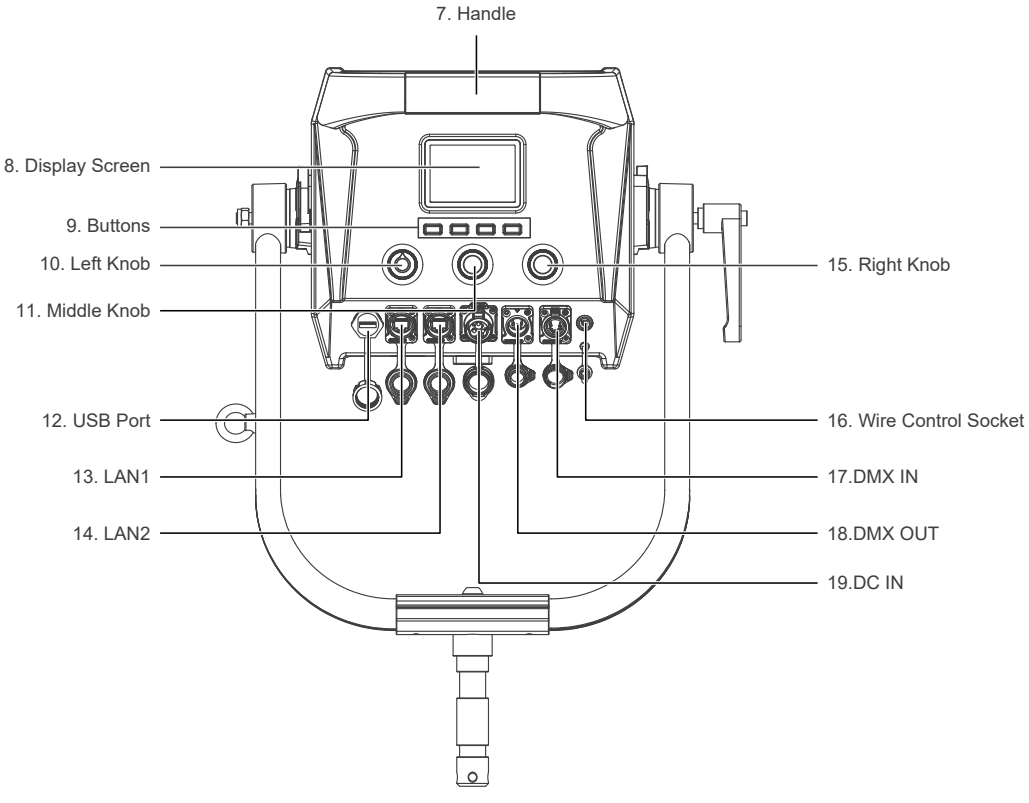


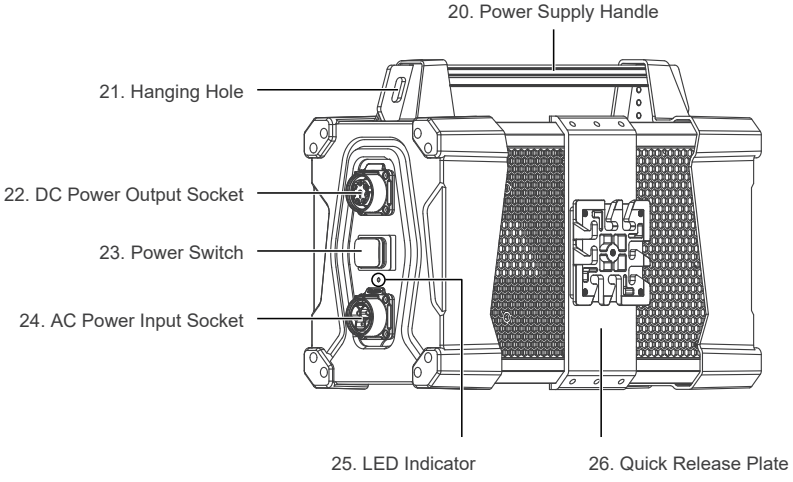
Technical Data

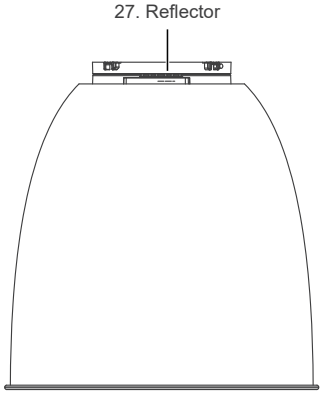
Rated Power: 2400W
Input: DC48V/26A×2
AC100V-240V 50/60Hz 26A Max
Color Temperature: 2700K - 6500K (GM±80)
CRI: Average 96
TLCI: Average 97

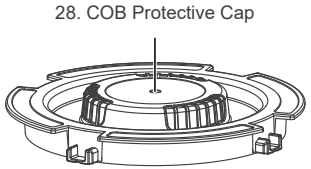
Product Details




7. Handle
8. Display Screen
9. Buttons
10. Left Knob
11. Middle Knob
12. USB Port
13. LAN1
14. LAN2
15. Right Knob
16. Wire Control Socket
17.DMX IN
18.DMX OUT
19.DC IN


20. Power Supply Handle
21. Hanging Hole
22. DC Power Output Socket
23. Power Switch
24. AC Power Input Socket
25. LED Indicator
26. Quick Release Plate


27. Reflector

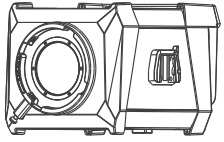
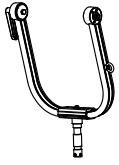
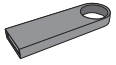
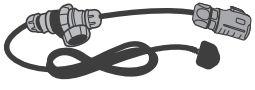
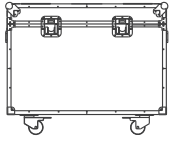
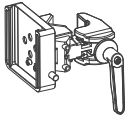
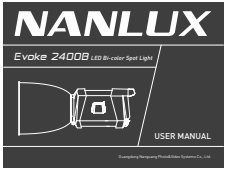

28. COB Protective Cap

Detailed Description

1. Quick release device: For quick installation and detachment of yoke.
2. Adjustable handle: Tighten or release the tilt movement of the fixture on the yoke.
3. NL mount: For installing the reflector or other NL mount accessories.
4. Lock catch: To lock or release the reflector or other accessories.
   Note: Please pull in the direction indicated on it.
5. Eye bolt: For hanging safety wire.
6. Yoke: Mount the fixture on a stand, also for pan and tilt.
7. Fixture body handle: Offer convenient grip for adjusting direction of illumination.
8. Display: To display data.
9. Buttons: Including CCT, EFFECT, MENU and LOCK.
10. Left knob: For adjusting brightness.
11. Middle Knob: For adjusting parameters for each option.
12. USB port: For updating firmwares or providing current with maximum 5V/1A to external devices via connecting the USB cable.
13. LAN 1: Network connecting port.
14. LAN 2: Network connecting port.
15. Right knob: For selecting options.
16. Wire control socket: Wire control interface.
17. DMX IN: DMX signal input interface.
18. DMX OUT: DMX signal output interface.
19. DC IN: DC power input interface.
20. Power supply handle: For lifting the power supply.
21. Hanging hole: For hanging the power supply.
22. DC power output socket: For connecting the fixture to the power supply with DC cable.
23. Power switch: To turn on/off the fixture.
24. AC power input socket: For connecting AC cable and supplying power to power supply.
25. LED indicator: For judging the power input state. Being on, means power supply normal; Flashing or being off, mean power supply abnormal or no power input.
26. Quick release plate: For mounting the quick release clamp.
27. Reflector: For concentrating light to improve the central illumination.
28. COB protective cap: For protecting the COB when the fixture is not in use.
    (Note: Take off the cap before using.)

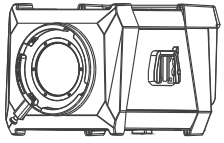
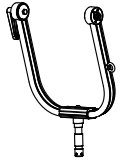
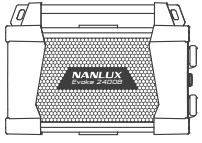
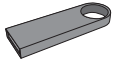
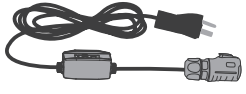
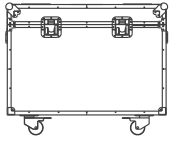
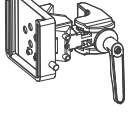
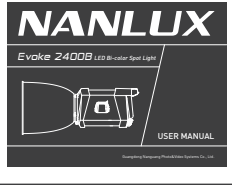
Includes (for CN, UK, AU, EU, KR)

Evoke 2400B KIT-FO Flight Case Standard Kit (fixture only) :

Evoke 2400B×1	Yoke×1	Power Supply×1	USB Flash Drive×1	Carrying Bag×1
				
Reflector×1 (packed separately)	DC Connection Cable with Carabiner×1	AC Power Cable×1	Adjustable Handle×1	CC-EV2400-FT-FO Flight Case×1
				
AS-CP-QR-EV Quick Release Clamp×1	WS-RC-C2 Remote Controller×1	User Manual×1		
				

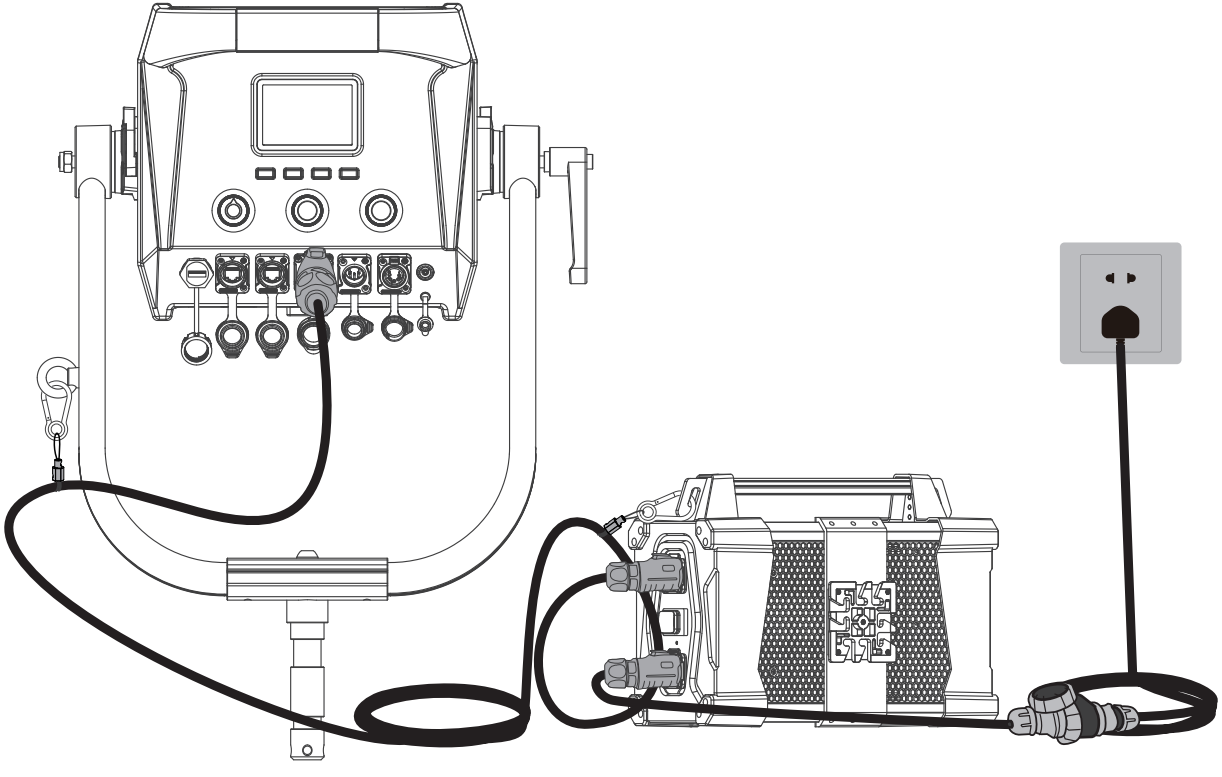
Includes (for US, JP)

Evoke 2400B KIT-FO Flight Case Standard Kit (fixture only) :

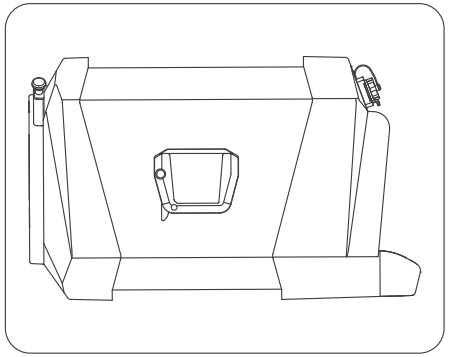
Evoke 2400B×1	Yoke×1	Power Supply×1	USB Flash Drive×1	Carrying Bag×1
				
Reflector×1 (packed separately)	DC Connection Cable with Carabiner×1	AC Cable with Edison Connector×1	AC Cable (with bare ends)×1	Adjustable Handle×1
		 (only for 110V voltage countries/regions)	 AC/L (brown) AC/N (blue) PE ⏚ (yellow & green)	
CC-EV2400-FT-FO Flight Case×1	AS-CP-QR-EV Quick Release Clamp×1	WS-RC-C2 Remote Controller×1	User Manual×1	
				

Usage

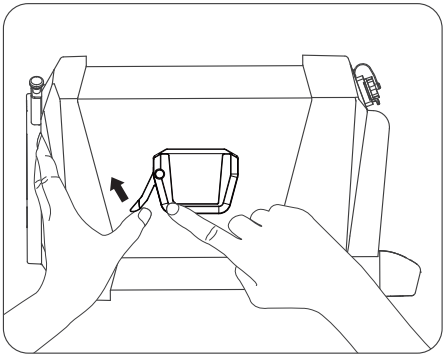
1. Connection Between Light Fixture and Power Supply



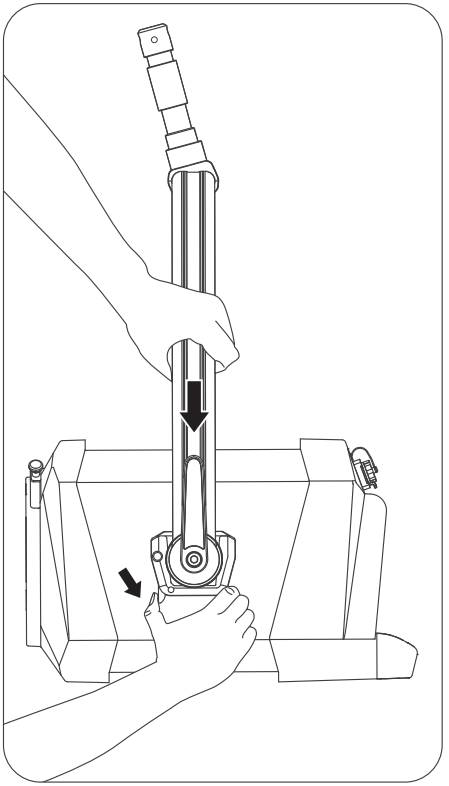
2. Installation and Detachment of Yoke



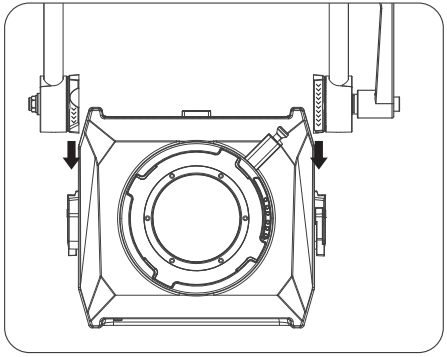
Lay down the light fixture on flat ground, with its bottom up.



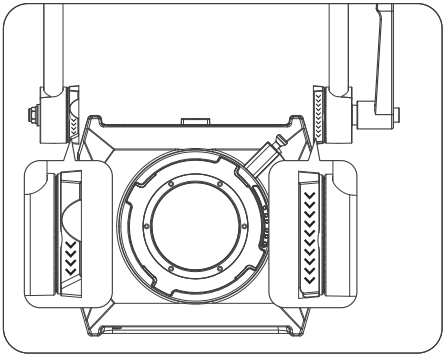
Press the quick release lever lock catch to release the lever, and push the lever aside.



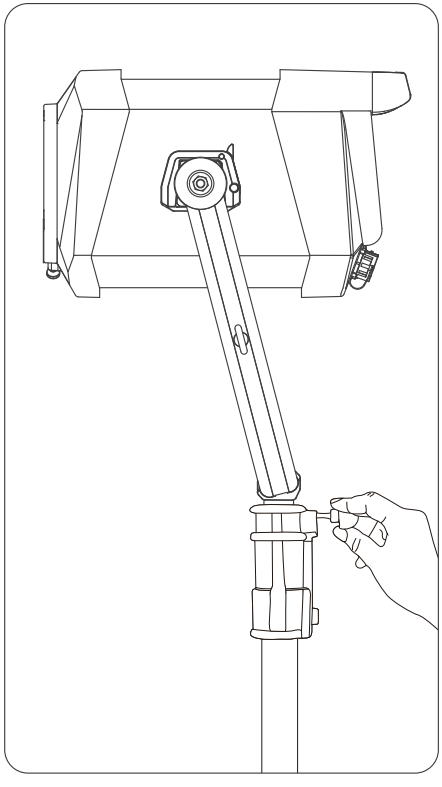
Firmly hold the yoke in place with one hand, and pull the quick release lever with the other hand to lock the plate.



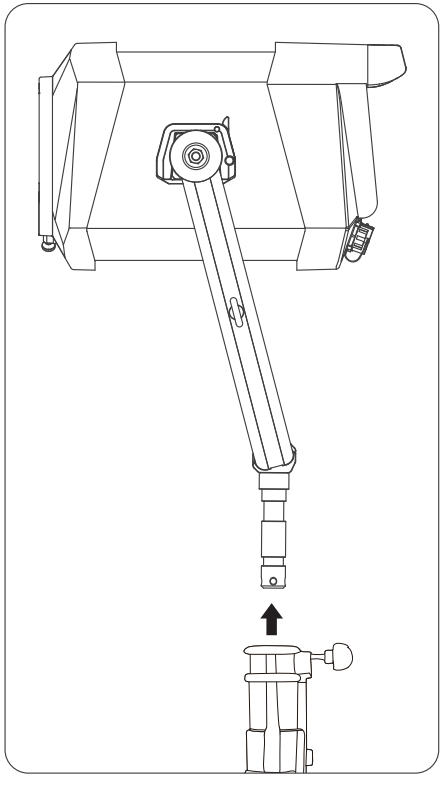
Align and insert the quick release plates to the mounts on both sides of the fixture.



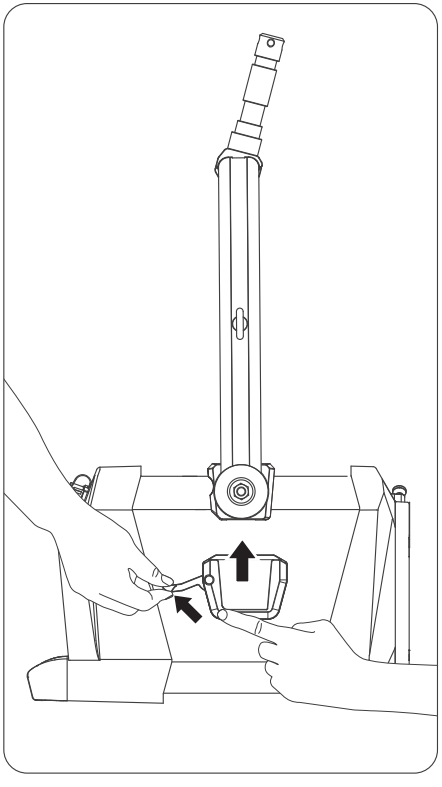
Note: Please adjust the plate to right directions when installing the quick release plate, then insert them into the mount.



Mount the fixture on heavy-duty light stand and lock the fastening screws on the light stand.

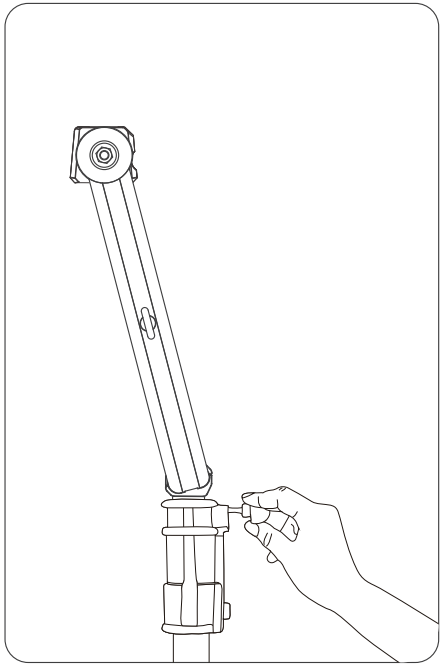


When disassembling the yoke, remove the fixture from the heavy-duty light stand first and lay it down on flat ground.

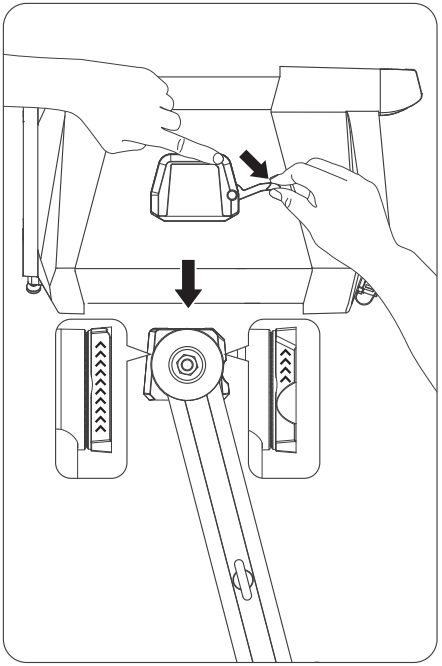


Press the quick release lever lock catch of the fixture on both sides, then release the quick release lever to remove the fixture.

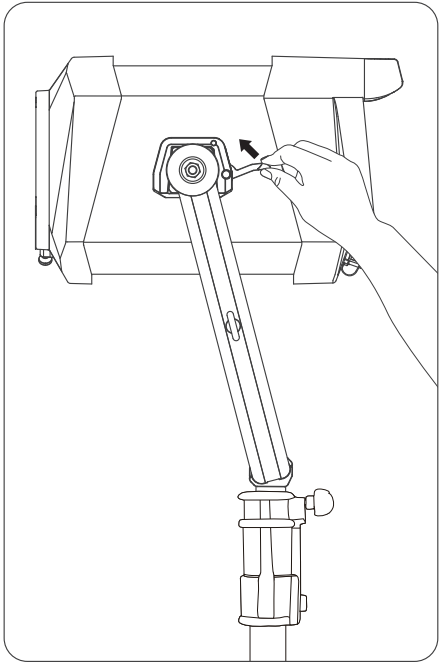
Installation of Yoke (Method Two)



Mount the yoke on heavy-duty light stand and lock the fastening screws on the light stand.

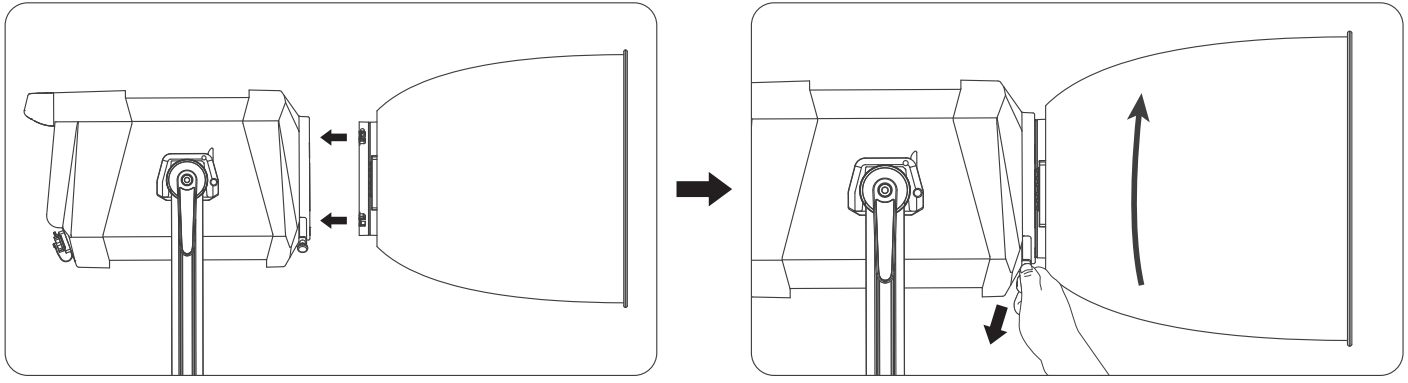


Press the quick release lever lock catch and push the lever aside, align and insert the quick-release plate mounts to the plates of the yoke.
(Note: Please adjust the plate to right directions when installing the quick release plate, then insert them into the mount.)



Pull the levers on both sides of the fixture to lock the quick release plate in place. The installation of the yoke is completed.

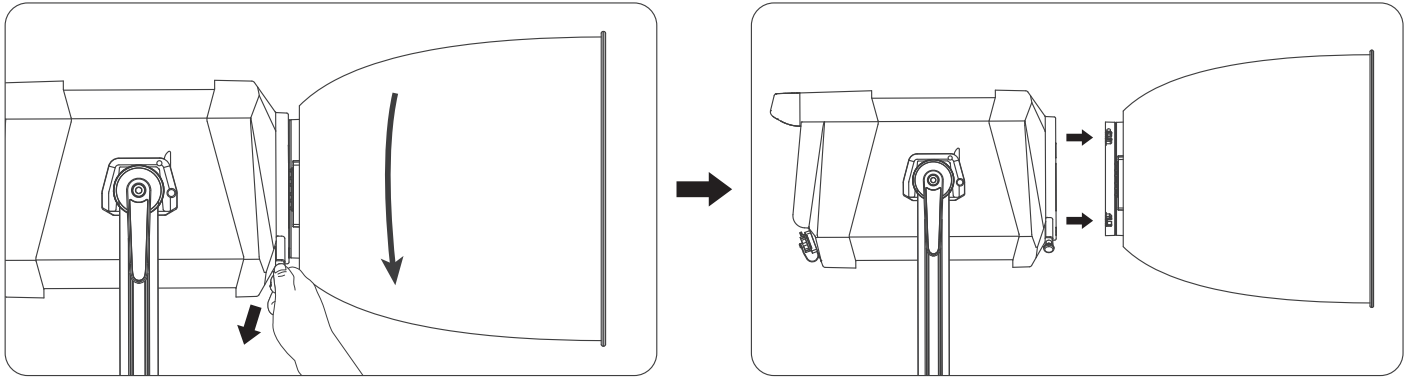
3. Installation and Detachment of Reflector



When installing the reflector, align the reflector to the NL mount on the fixture, rotate clockwise the reflector to fasten it on the fixture.

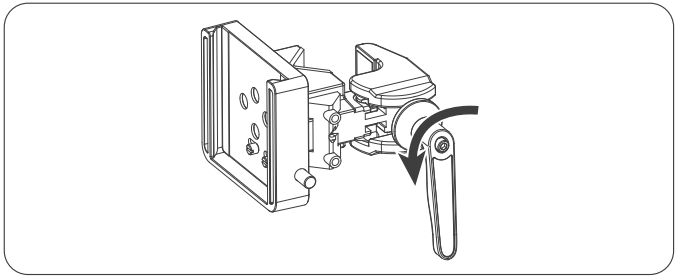
Note: 1. If the rotation is not smooth, pull the lock catch of the mount and rotate the reflector at the same time.

2. The electronic contacts on the accessories should be aligned with those on the fixture.

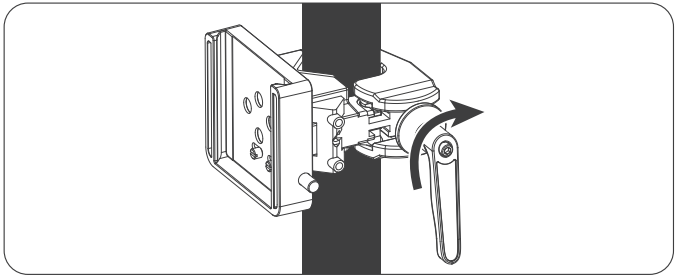


When removing the reflector, pull the lock catch of the mount, rotate anticlockwise the reflector and remove it.

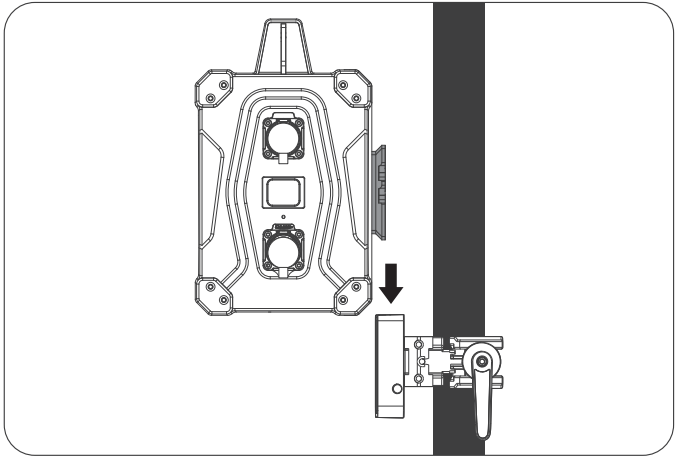
4. AS-CP-QR-EV Evoke Quick Release Clamp Installation



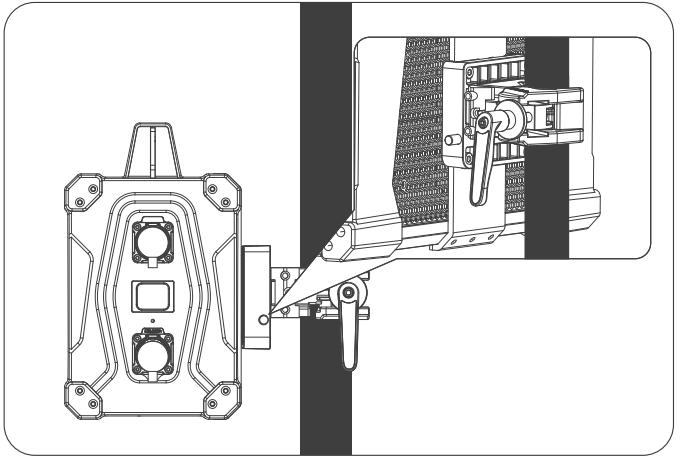
Rotate the adjustable handle to release the clamp.



Mount the quick release clamp on the light stand, then rotate the adjustable handle to tighten the clamp.



Align the quick release plate on the power supply with the quick release mount on the clamp, a click sound will be heard when the power supply is fastened in place.



Press the lock catch on the clamp to remove the power supply from the light stand.

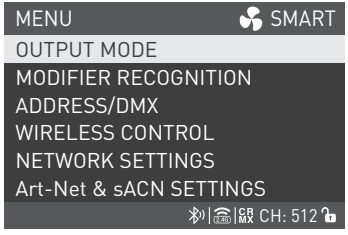
Remote Control

· Evoke 2400B supports remote control via DMX/RDM, 2.4G, LumenRadio, Art-Net & sACN, and has built-in Bluetooth module as well.
▲The ADDRESS needs to be set before operating the remote control via DMX/RDM, 2.4G, LumenRadio, Art-Net & sACN.

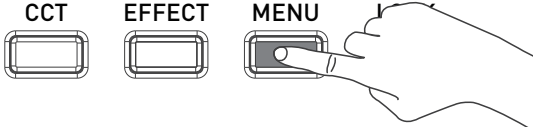
1. ADDRESS/DMX, including ADDRESS, DMX CCT, DMX REDUCED CHANNELS, DMX DIMMING CURVE and DMX SMOOTHING settings.

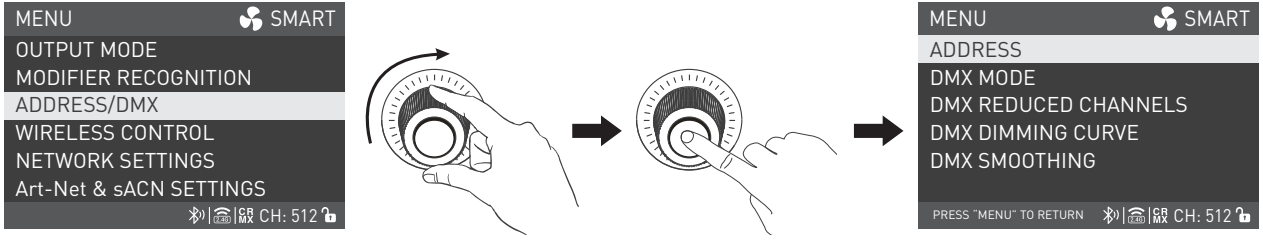
1.1 ADDRESS

Press the MENU button to enter the interface.

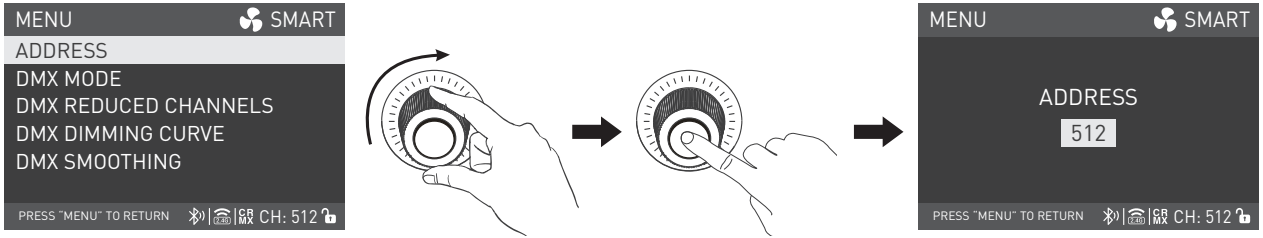




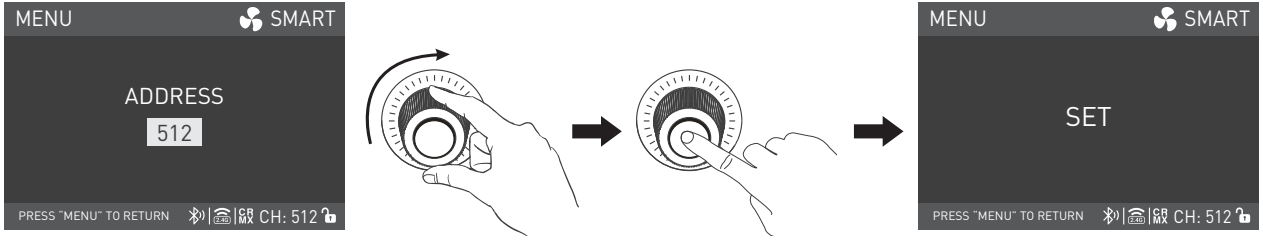




Rotate the right knob to ADDRESS/DMX, and press the right knob to enter the secondary menu.

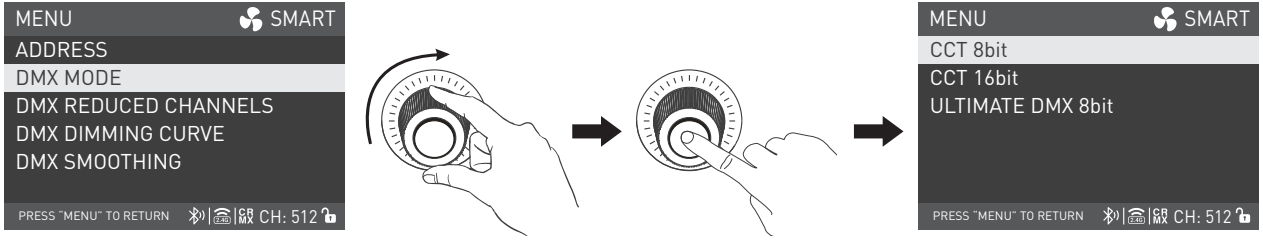


Rotate the right knob to ADDRESS, and press the right knob to enter the tertiary menu.

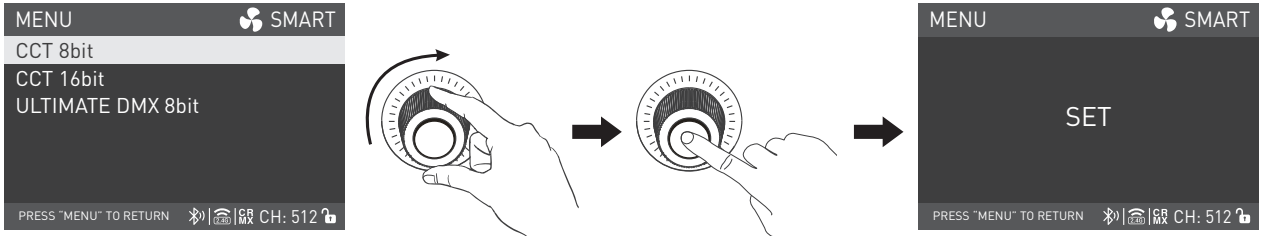


Rotate the right knob to select address number and press the right knob to set.

1.2 DMX MODE

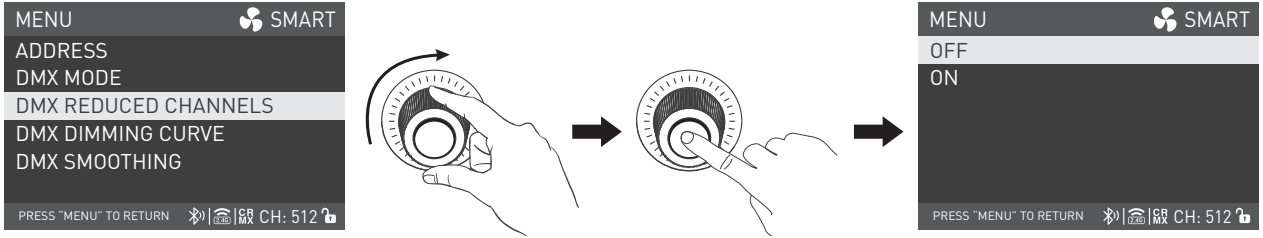


Rotate the right knob to DMX MODE and press the right knob to enter the tertiary menu.

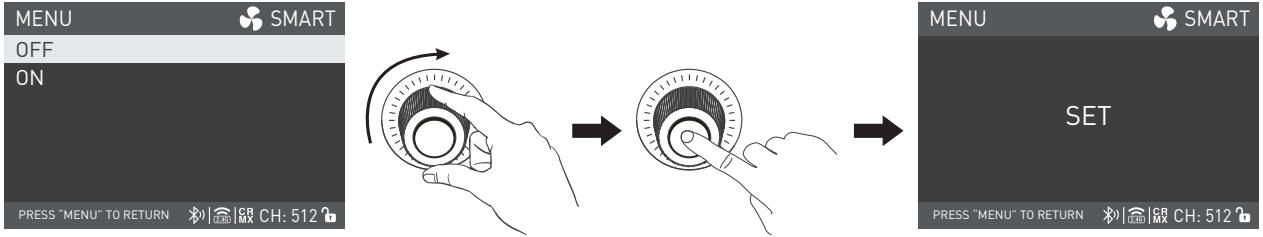


Rotate the right knob to select CCT 8bit, CCT 16bit or ULTIMATE DMX 8bit, and press the right knob to set.

1.3 DMX REDUCED CHANNELS

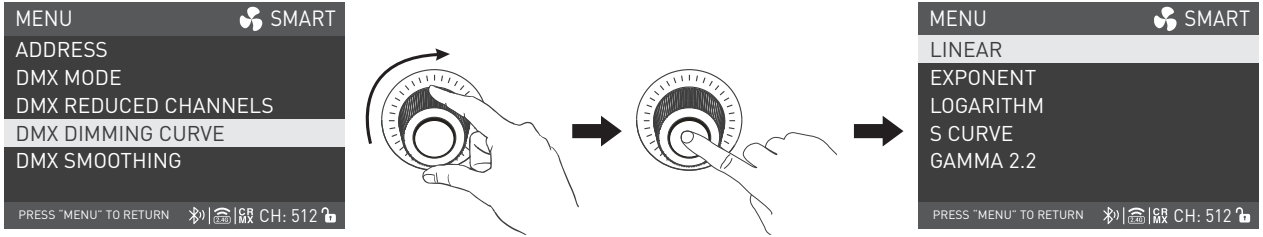


Rotate the right knob to DMX REDUCED CHANNELS, and press the right knob to enter the tertiary menu.

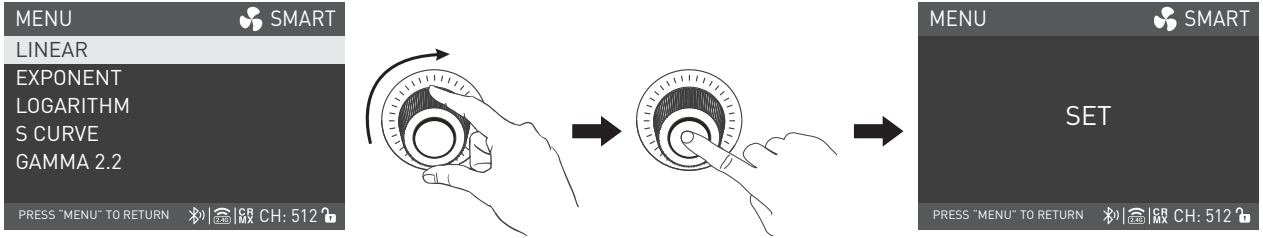


Rotate the right knob to select ON or OFF and press the right knob to set.

1.4 DMX DIMMING CURVE

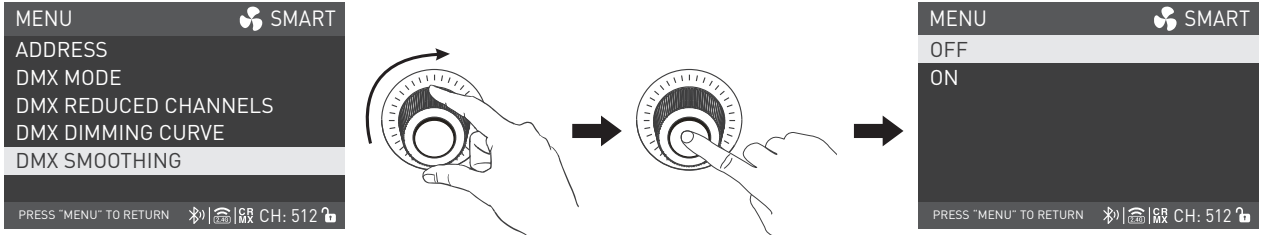


Rotate the right knob to DMX DIMMING CURVE, and press the right knob to enter the tertiary menu.

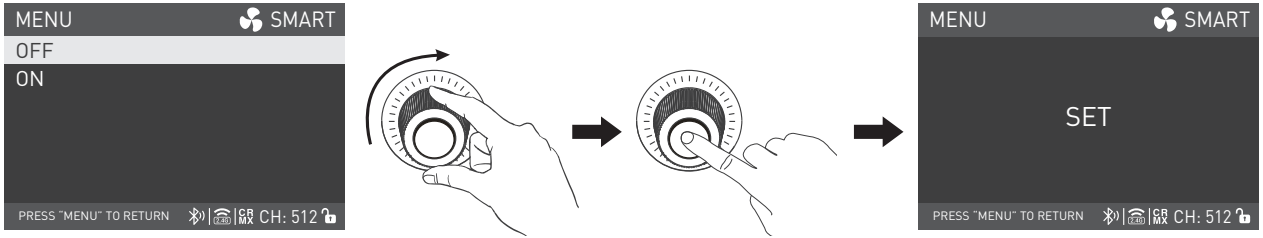


Rotate the right knob to select LINEAR, EXPONENT, LOGARITHM, S CURVE or GAMMA 2.2, and press the right knob to set.

1.5 DMX SMOOTHING



Rotate the right knob to DMX SMOOTHING and press the right knob to enter the tertiary menu.



Rotate the right knob to select ON or OFF and press the right knob to set.

2. DMX Control

2.1. Connect the light fixture and the DMX512 console using the connection cable, as below.



·5-pin shielded cable with a diameter not less than 0.3mm must be used for connection between light fixture and DMX/RDM console, or between light fixture and light fixture. XLR plug/socket and the cable should be connected as picture above.

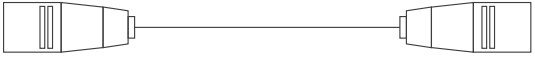
·Pin1, Pin2, Pin3 for connecting DMX signal. Pin4, Pin5 has no connection.

▲NOTE: When connecting DMX, make sure the internal pin is not in contact with the inner case. The fixture can match the DMX512 (1990) control signal.

·5-pin and 3-pin XLR plug/socket conversion

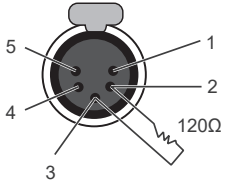
The fixture comes with 5-pin XLR plug/socket. If a 3-pin XLR plug is used, please follow the instruction below.

Five Pin	Three Pin
Pin 1:GND(SCREEN)	Pin 1:GND(SCREEN)
Pin 2:Signal(-)	Pin 2:Signal(-)
Pin 3:Signal(+)	Pin 3:Signal(+)
Pin 4:N/C	
Pin 5:N/C	

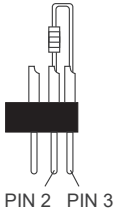


2.2. DMX Terminator

In DMX control mode, the DMX output of the last fixture should be connected with a DMX terminator (Not included). This prevents interference caused by DMX signals in the transmitting process. The terminator is connected with a 120Ω(OHM) resistor across Pin 2 and Pin 3. (As shown below)



DMX Terminator Connection
Connect a 120Ω(OHM) resistor across Pin 2 and Pin 3 in an XLR plug and insert into the DMX OUT socket on the last unit.



2.3. ADDRESS Setting.

2.4. Refer to the DMX reference guide from www.nanlux.com and control the light via DMX/RDM console.
(For specific operation methods, please refer to the DMX/RDM console operation manual.)

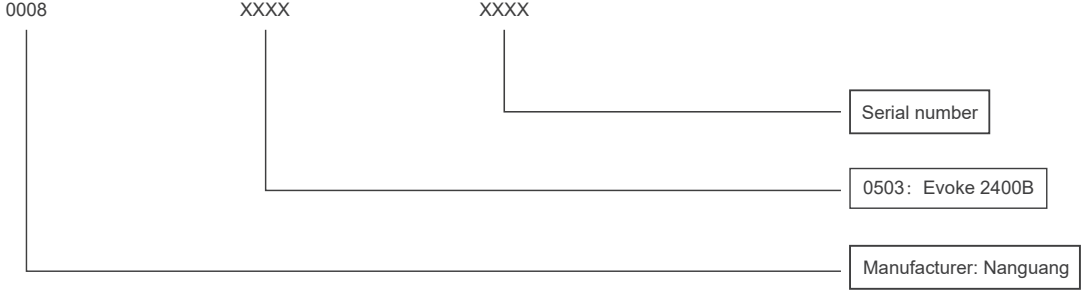
2.5. Note: For technical data, please download from https://www.nanlux.com/en/h-col-274.html.

3. RDM Control

3.1. Connect the light fixture to the console with RDM function, the connecting method is the same as that of DMX console.

3.2. ontrol the fixture via a console with RDM function. (For specific operation instruction, please refer to the RDM console operation manual.)

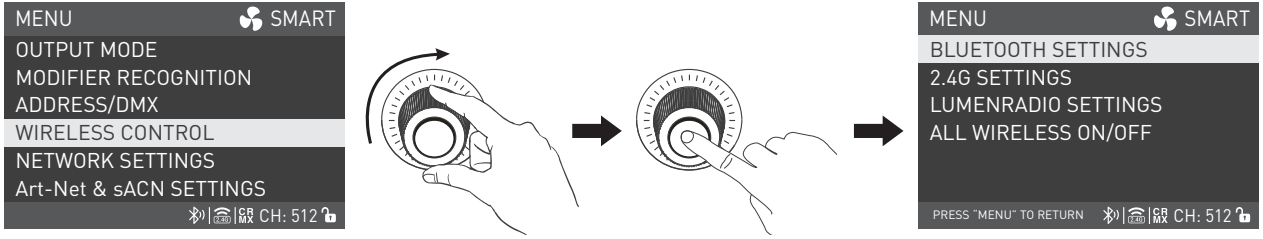
Note: The UID format of the fixture is as follows:



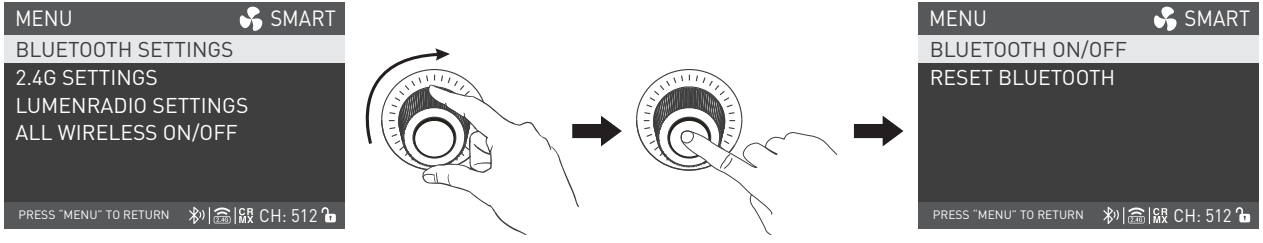
4. WIRELESS CONTROL

4.1 BLUETOOTH Setting

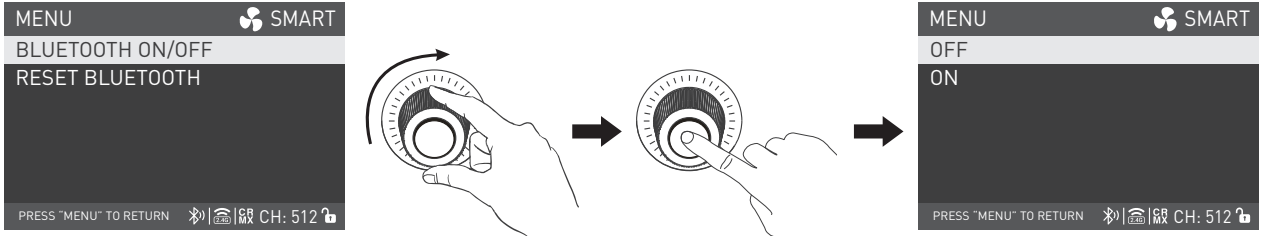
The Evoke 2400B has built-in Bluetooth module, so it can be controlled via Bluetooth connection.



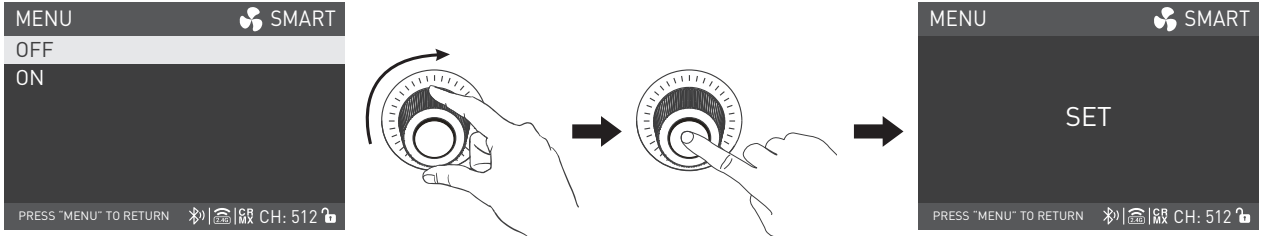
Rotate the right knob to WIRELESS CONTROL, and press the right knob to enter the secondary menu.



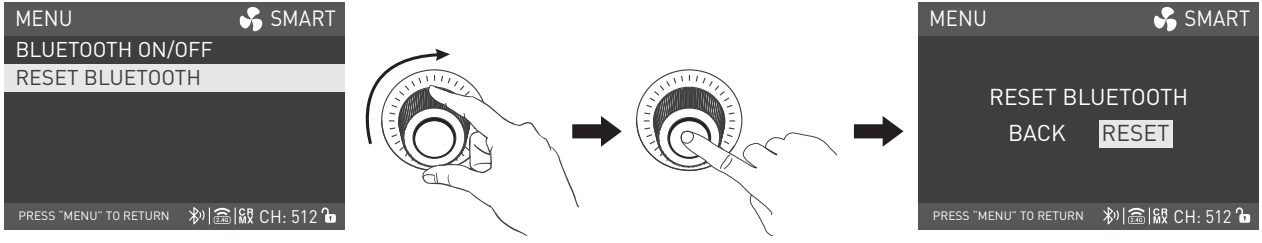
Rotate the right knob to BLUETOOTH SETTINGS, and press the right knob to enter the tertiary menu.



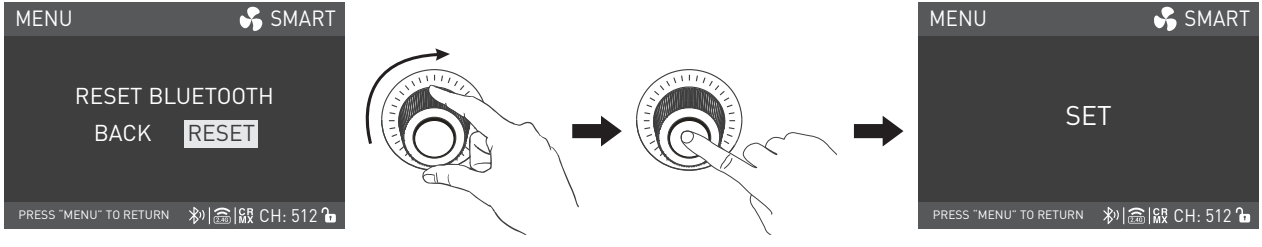
Rotate the right knob to BLUETOOTH ON/OFF, and press the right knob to enter the next level menu.



Rotate the right knob to select ON or OFF, and press the right knob to set.
The RESET BLUETOOTH is available when the Bluetooth is on.



Rotate the right knob to RESET BLUETOOTH, and press the right knob to enter the next level menu.



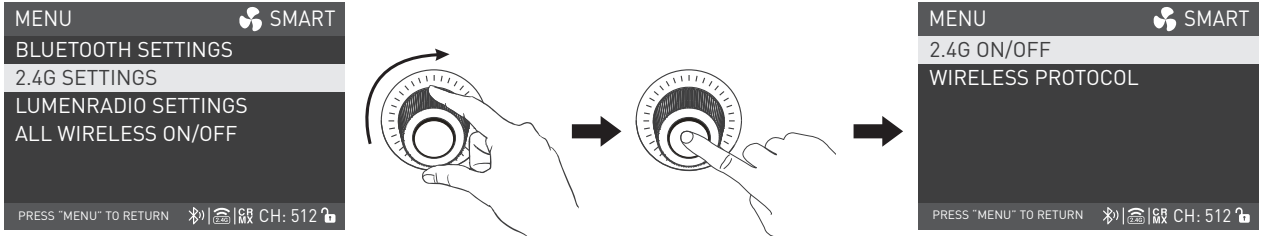
Rotate the right knob to select RESET, and press the right knob to set.

4.2 2.4G Setting

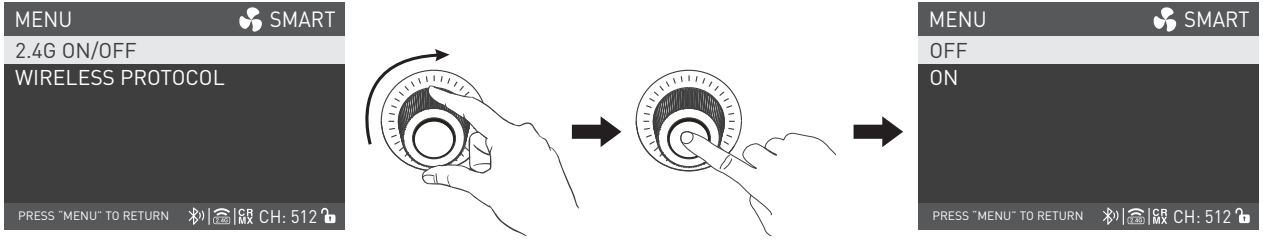
· Evoke 2400B can be remotely controlled by 2.4G remote controller or by NANLINK APP via WS-TB-1 transmitter box.

Note:①2.4G remote controller and NANLINK transmitter box are sold separately.

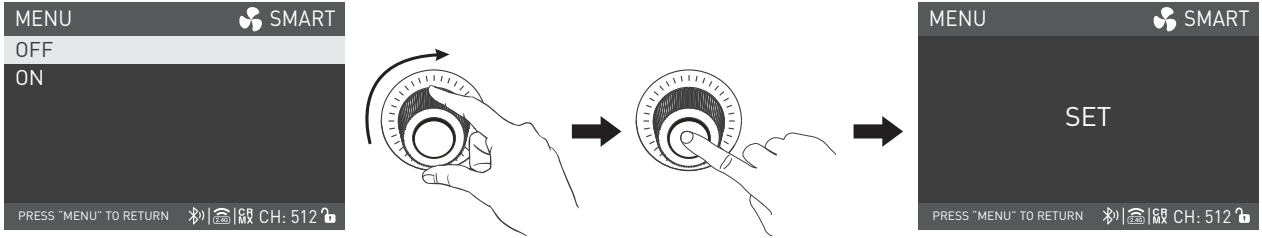
②The fixture supports 2.4G wireless protocol V1.0 and V2.0. The fixture should be set in V2.0 while using WS-RC-C2 remote controller, set in V1.0 while using other remote controllers.



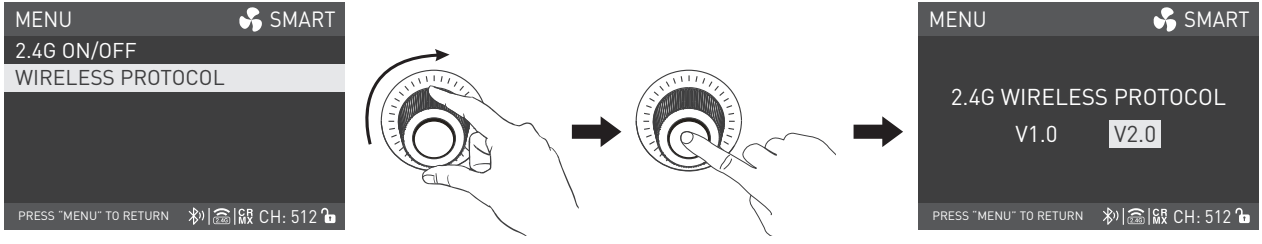
Rotate the right knob to 2.4G SETTINGS, and press the right knob to enter the tertiary menu.



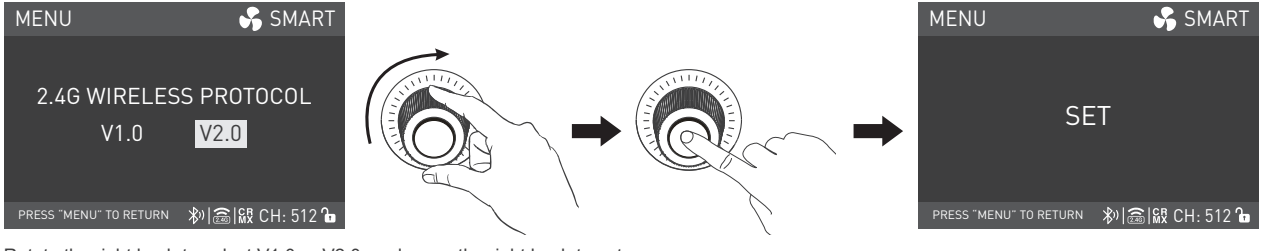
Rotate the right knob to 2.4G ON/OFF, and press the right knob to enter the next level menu.



Rotate the right knob to select ON or OFF, and press the right knob to set. The 2.4G wireless control is available when the 2.4G is set to be on.



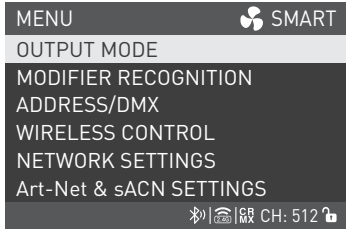
Rotate the right knob to WIRELESS PROTOCOL, and press the right knob to enter the next level menu.



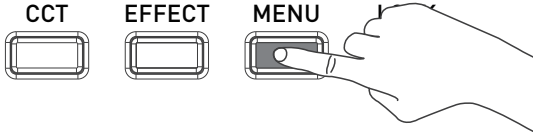
Rotate the right knob to select V1.0 or V2.0, and press the right knob to set.

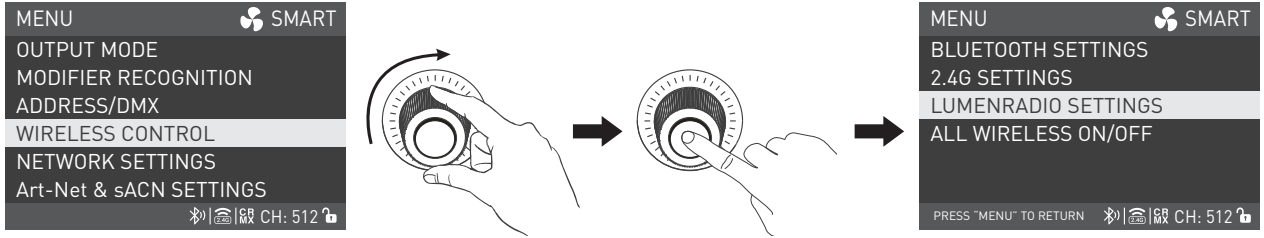
4.3 LUMENRADIO Setting

Evoke 2400B has built-in CRMX TIMOTWO module, enabling it to receive and send CRMX wireless DMX signals. The specific operations are as below: press MENU to enter the interface.

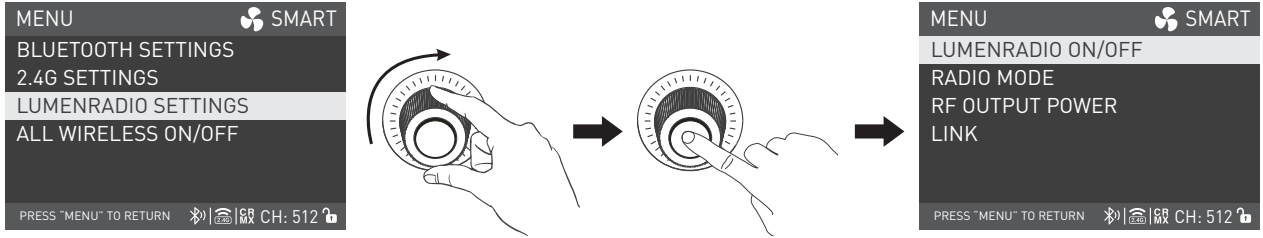




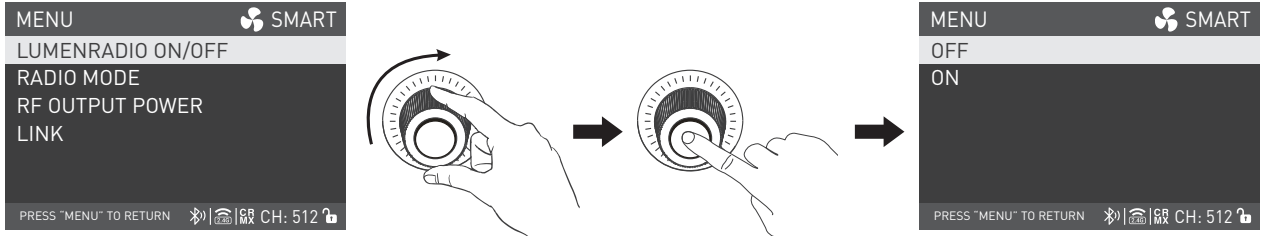




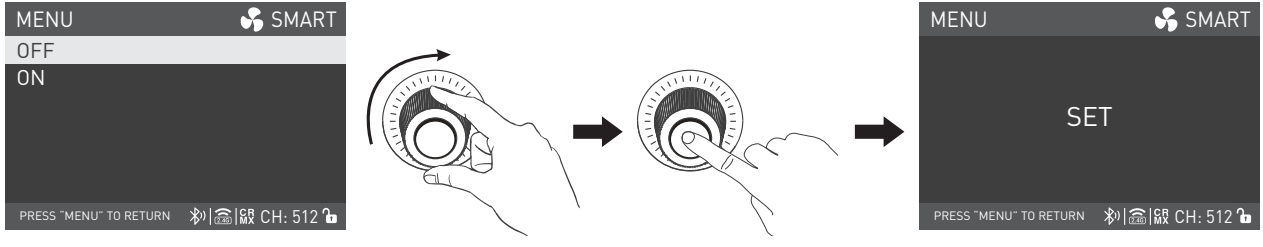
Rotate the right knob to WIRELESS CONTROL, and press the right knob to enter the secondary menu.



Rotate the right knob to LUMENRADIO SETTINGS, and press the right knob to enter the tertiary menu.



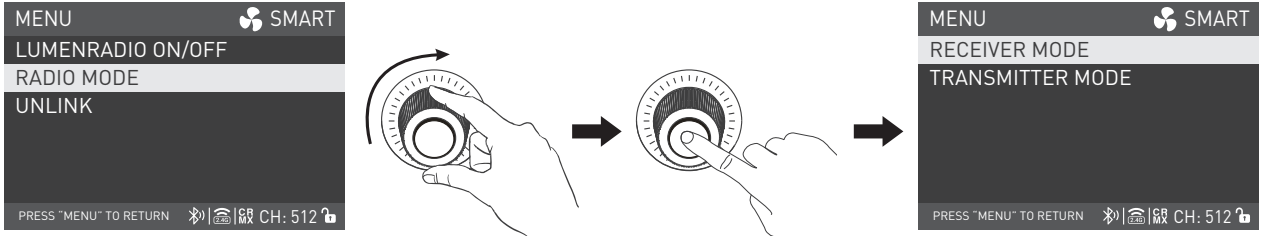
Rotate the right knob to LUMENRADIO ON/OFF, and press the right knob to enter the next level menu.



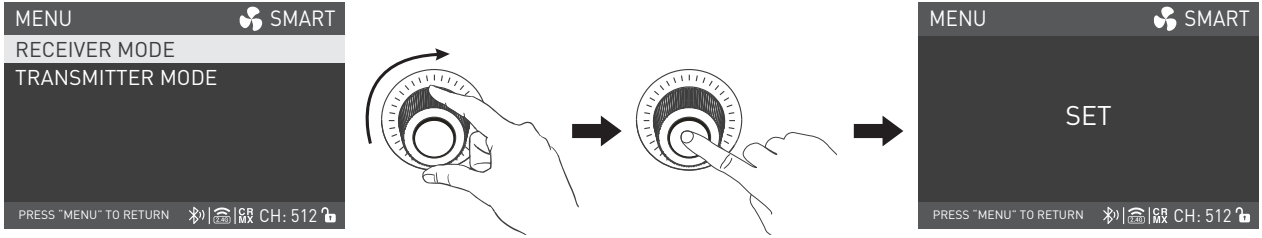
Rotate the right knob to select ON or OFF, and press the right knob to set.
CRMX wireless DMX signals can be received and transmitted when the LUMENRADIO is set to be on.

①RECEIVER MODE

· RATIO MODE Setting

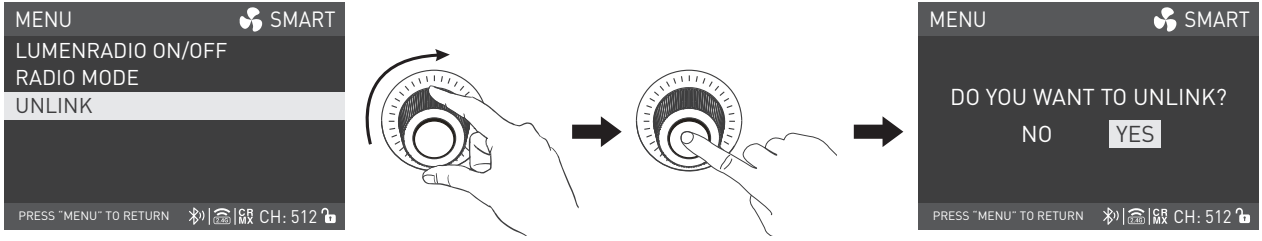


Rotate the right knob to RADIO MODE, and press the right knob to enter the next level menu.

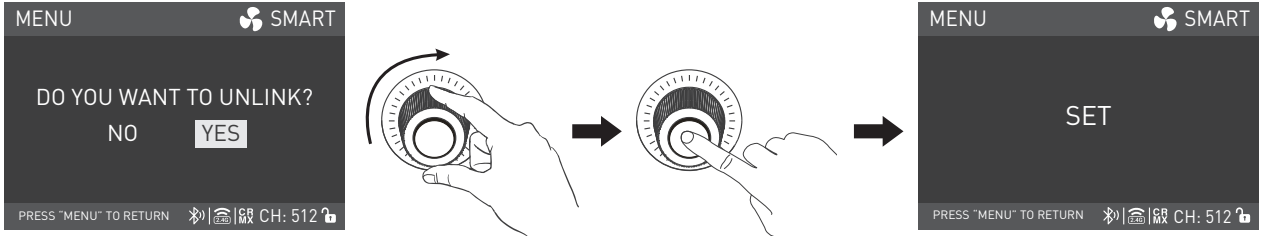


Rotate the right knob to select RECEIVER MODE, and press the right knob to set.

· UNLINK Setting



Rotate the right knob to UNLINK, and press the right knob to enter the next level menu.



Rotate the right knob to select YES, and press the right knob to set.

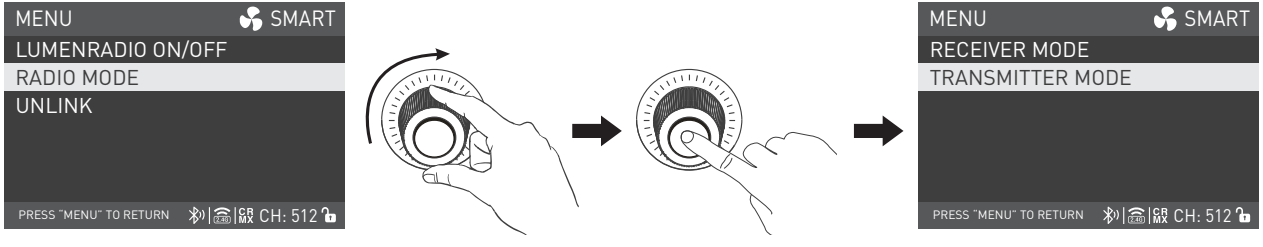
・Please refer to P30 of this manual or CRMX wireless DMX transmitter manual, to connect the fixture set in TRANSMITTER MODE or CRMX wireless DMX transmitter with the fixture set in RECEIVER MODE, the fixture will be able to receive CRMX wireless DMX signals for remote control.

Note: (1) CRMX wireless DMX transmitter is sold separately.

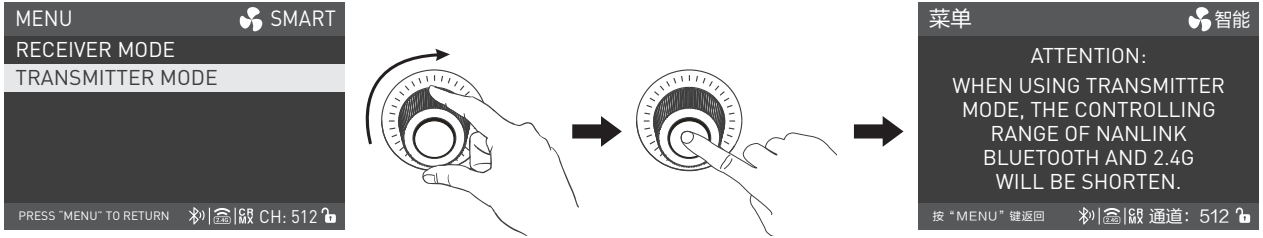
(2) In RECEIVER MODE, the LUMENRADIO SETTINGS should be set to UNLINK to allow it to be reconnected to the new fixtures or transmitters.

②TRANSMITTER MODE

Set the fixture to TRANSMITTER MODE, and connect with the DMX/RDM console.

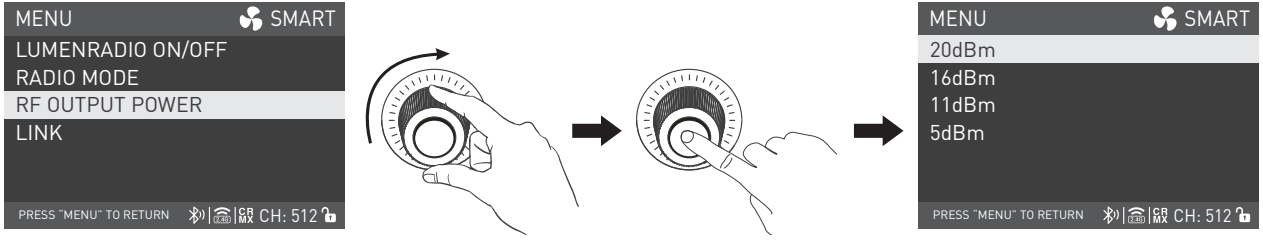


Rotate the right knob to RADIO MODE, and press the right knob to enter the next level menu.

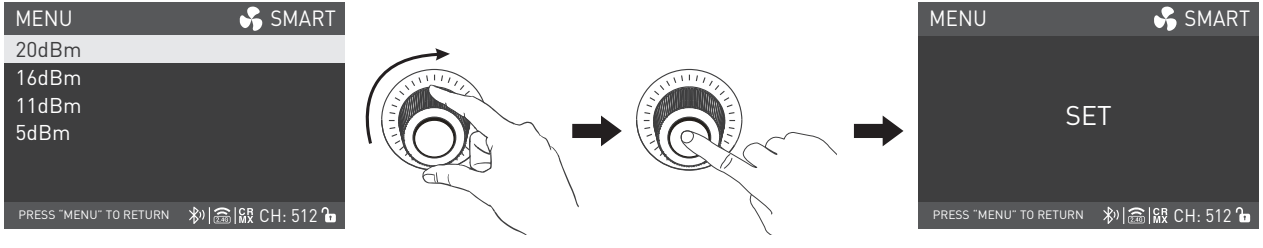


Rotate the right knob to select TRANSMITTER MODE and press the right knob to set.

· The fixture can be set the RF OUTPUT POWER when it is in TRANSMITTER MODE, the setting methods are as below:



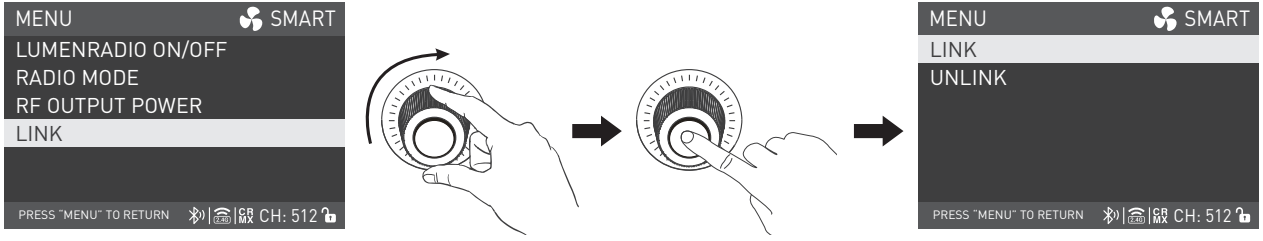
Rotate the right knob to RF OUTPUT POWER, and press the right knob to enter the next level menu.



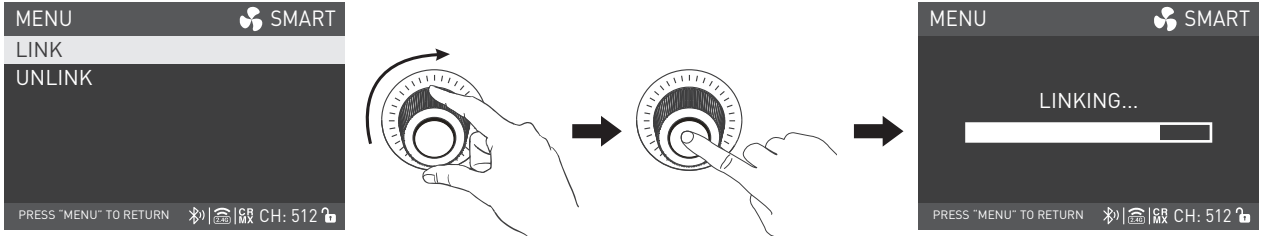
Rotate the right knob to select 20dBm, 16dBm, 11dBm or 5dBm, and press the right knob to set.

③Set other fixtures that need to receive CRMX wireless DMX signals to RECEIVER MODE and set to UNLINK. (For setting method, please refer to P27.)
Note: The controlling range of Nanlink Bluetooth and 2.4G remote control will be shortened when set to TRANSMITTER MODE.

④Connect the fixture set in TRANSMITTER MODE with the fixture set in RECEIVER MODE.
In TRANSMITTER MODE, the signal from the DMX/RDM console or DMX-based APP will be transmitted to the fixtures set in RECEIVER MODE. The fixtures set in TRANSMITTER MODE should be set as below:



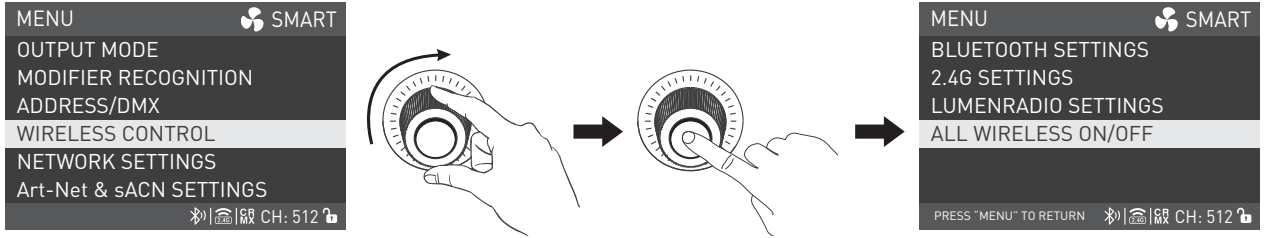
Rotate the right knob to LINK, and press the right knob to enter the next level menu.



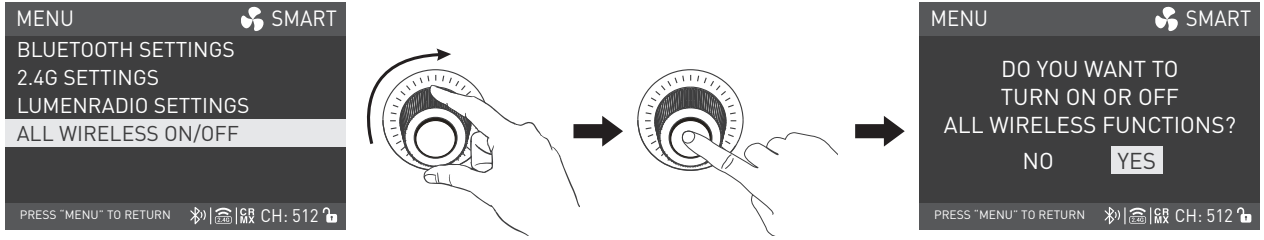
Rotate the right knob to select LINK, and press the right knob to set.

⑤UNLINK Setting
When the fixture needs to stop transmitting the CRMX wireless DMX signal, set the fixture to UNLINK. The setting method is the same as the UNLINK setting on P27.

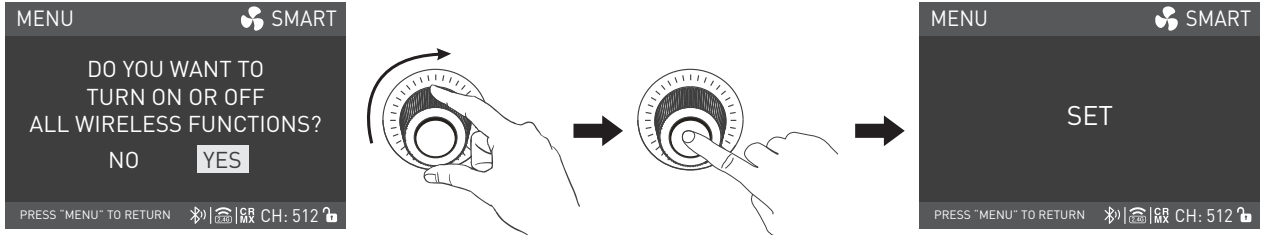
4.4 ALL WIRELESS ON/OFF



Rotate the right knob to WIRELESS CONTROL, and press the right knob to the secondary menu.



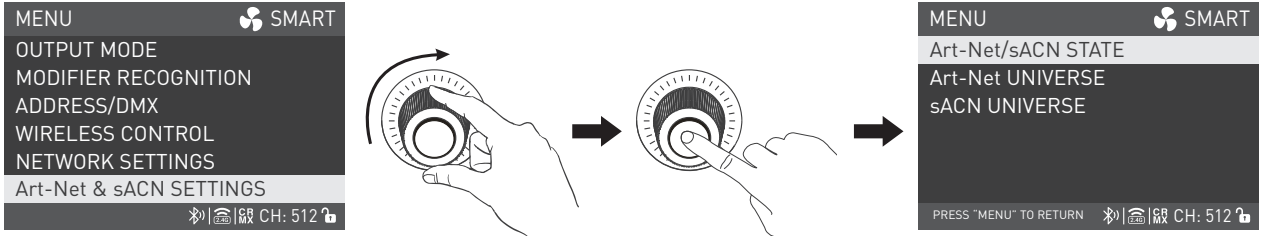
Rotate the right knob to ALL WIRELESS ON/OFF, and press the right knob to the tertiary menu.



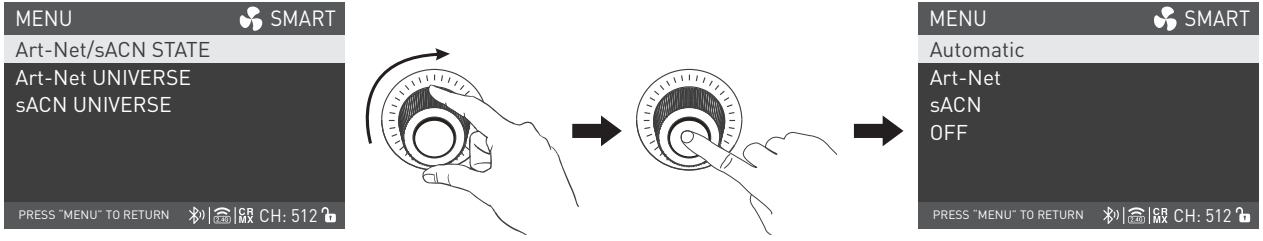
Rotate the right knob to select ON or OFF, and press the right knob to set.
When all wireless functions are set to be on, the Bluetooth, 2.4G and LUMENRADIO settings will be in the ON state.
When all wireless functions are set to be off, the Bluetooth, 2.4G and LUMENRADIO settings will be in the OFF state.

4.5 Art-Net & sACN Setting

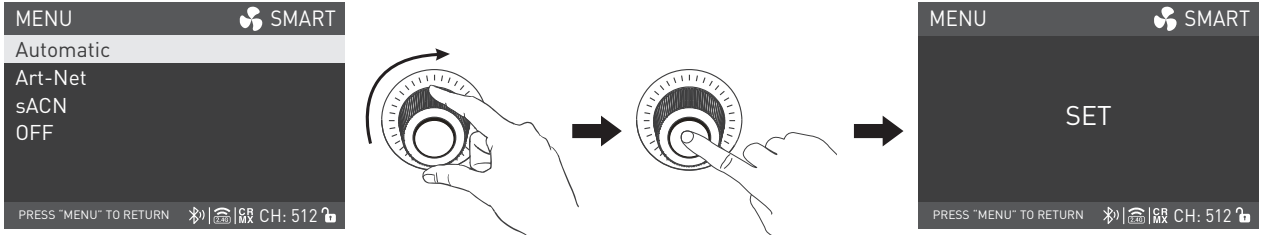
①Art-Net & sACN



Rotate the right knob to Art-Net & sACN SETTINGS, and press the right knob to the secondary menu.

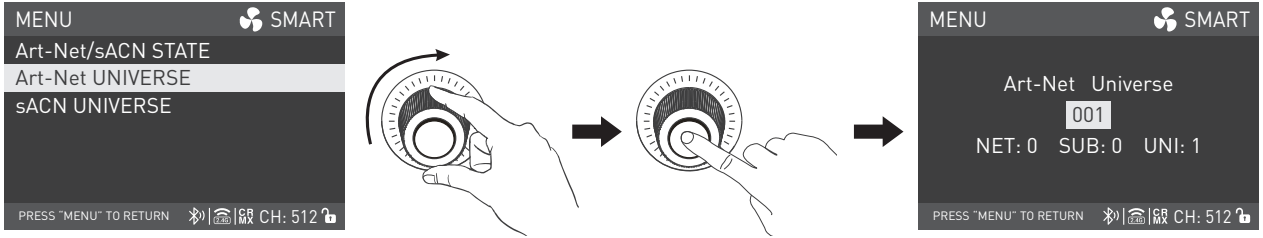


Rotate the right knob to Art-Net / sACN STATE, and press the right knob to the tertiary menu.

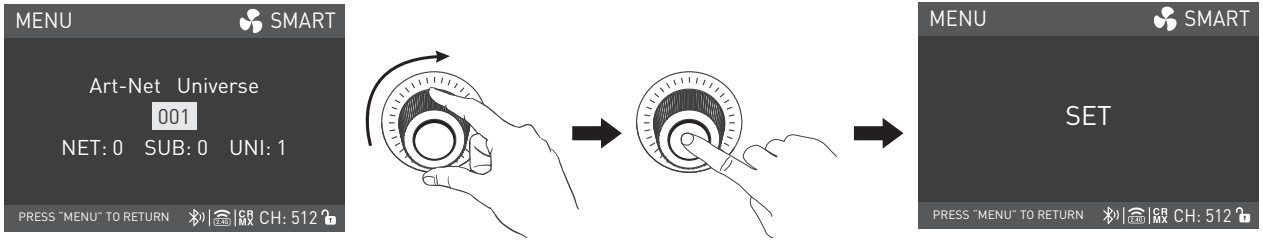


Rotate the right knob to select Automatic, Art-Net, sACN or OFF, and press the right knob to set.
(The fixture will automatically recognize Art-Net or sACN signals based on network signals when Automatic is selected)

②Art-Net UNIVERSE Setting

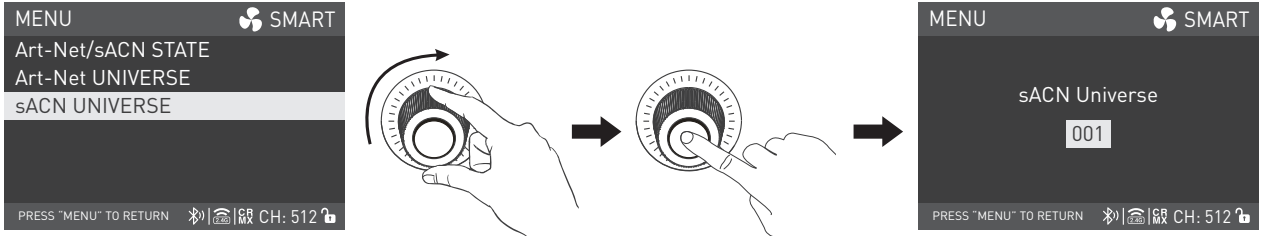


Rotate the right knob to Art-Net UNIVERSE, and press the right knob to the tertiary menu.

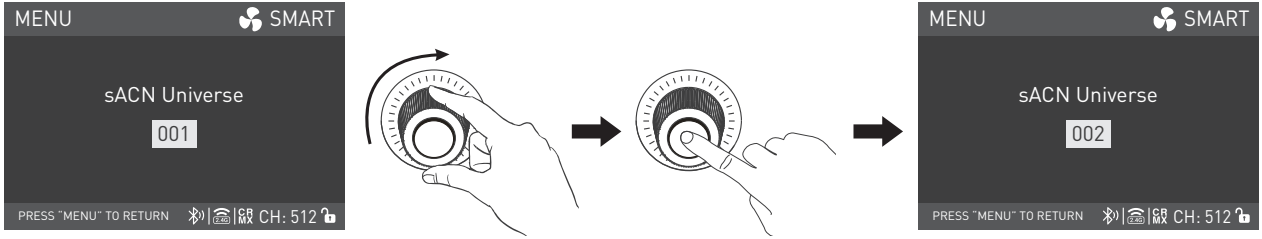


Rotate the right knob to select the needed Art-Net Universe value, and press the right knob to set.

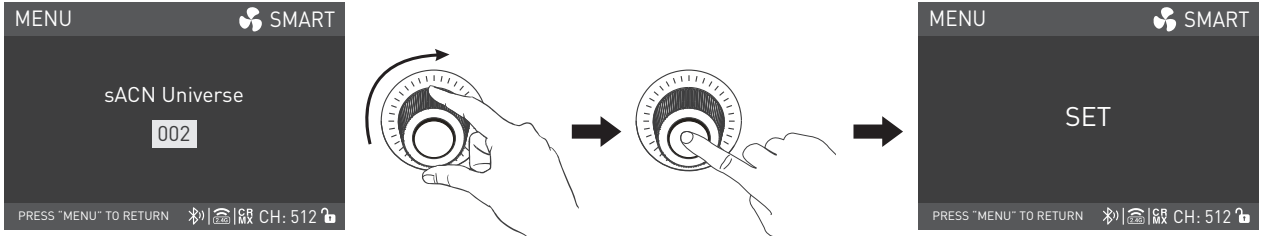
③sACN UNIVERSE Setting



Rotate the right knob to sACN UNIVERSE, and press the right knob to the tertiary menu.



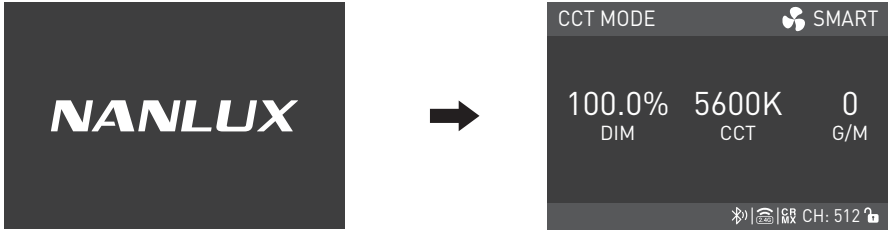
Rotate the right knob to select the needed sACN Universe value.



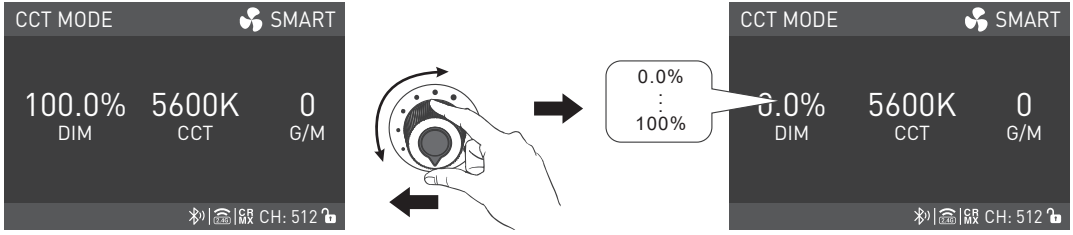
Press the right knob to set.

Operating Instructions

1. Make sure the power is off, then connect the power supply with cable and switch it on. If the power indicator is on that means the power input is normal, the screen will display "NANLUX".
2. CCT Button: Press the CCT button to enter the CCT MODE.

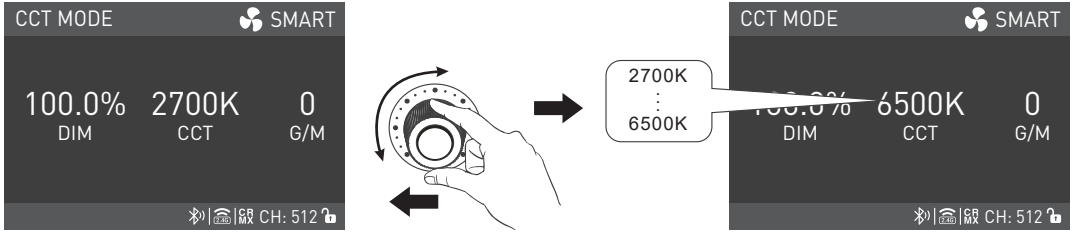


2.1 Brightness Setting: Rotate the left knob, clockwise to increase brightness while anticlockwise to reduce the brightness. The screen shows the percentage of brightness, DIM range: 0.0-100.0%.



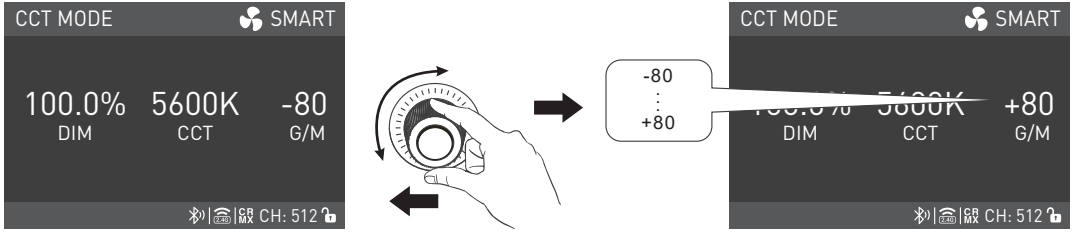
Note: In other modes, the brightness adjustment range is the same as in CCT mode. When the fixture function is unlock, in any mode, press the left knob, the light will be off, the brightness percentage on the screen will be 0.0%, press again, the fixture restores the previous state, press continuously to switch the light betweeen on and off.

2.2 CCT Setting: Rotate the middle knob, clockwise to increase color temperature while anticlockwise to reduce the color temperature. The screen shows the CCT, range: 2700K-6500K.



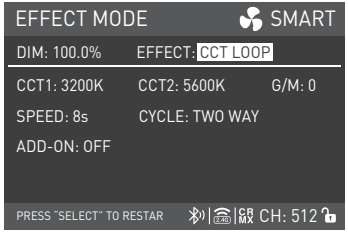
Note: In other modes, the CCT adjustment range is the same as in CCT mode. Press the right knob to promptly switch among 2700K, 3200K, 4300K, 5600K, 6500K, which can be toggled in a loop.

2.3 G/M Setting: Rotate the right knob, clockwise to increase G/M value while anticlockwise to reduce the G/M value. The G/M range: -80...+80.

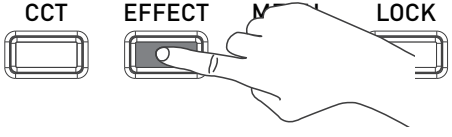


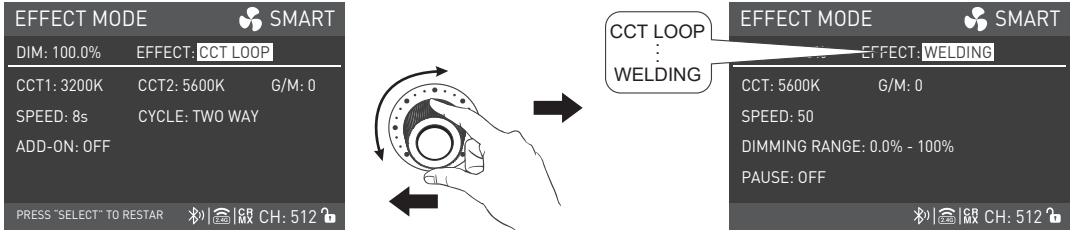
Note: (1) In other modes, the G/M adjustment range is the same as in CCT mode.
(2) In CCT mode, press the right knob to promptly reset the G/M to 0.

3. EFFECT Button: Press the EFFECT button to enter the EFFECT mode.
   Evoke 2400B has built-in effects including: CCT Loop, INT Loop, Flash, Pulse, Storm Auto, Storm Manual, TV, Paparazzi, Candle/Fire, Bad Bulb, Firework, Explosion Auto, Explosion Manual and Welding.





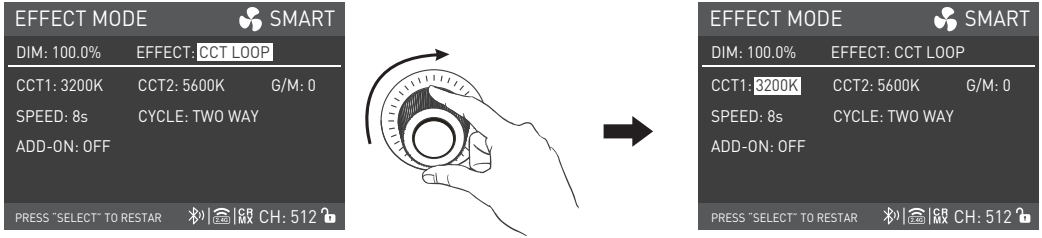




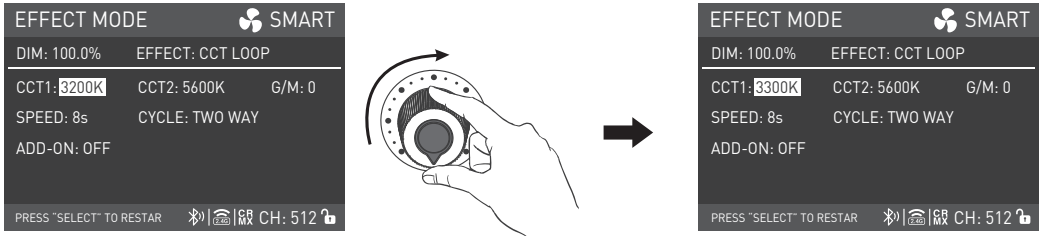
Rotate the middle knob to select the effect, which can be toggled in a loop.

①CCT LOOP

CCT loop setting, rotate the right knob to select CCT 1 , CCT 2, G/M, SPEED (range: 2s-30s), CYCLE or ADD-ON, and rotate the middle knob to set the parameters.

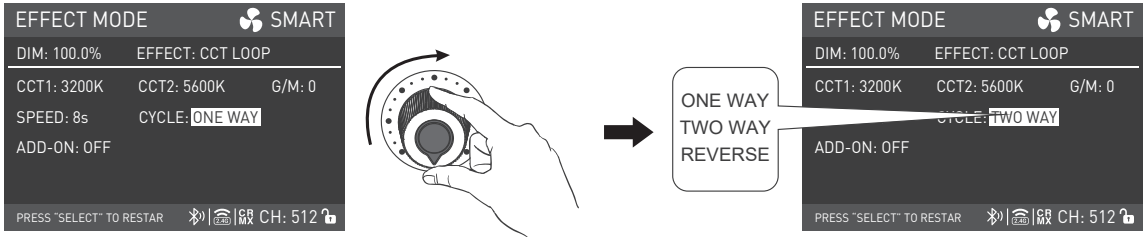


Rotate the right knob to select CCT 1 , CCT 2, G/M, SPEED, CYCLE or ADD-ON.



Rotate the middle knob to set the parameters.

· There are three modes in the CYCLE: ONE WAY, TWO WAY and REVERSE. Rotate the middle knob to select.



Rotate the middle knob to set the parameters.

Note: (1) When the cycle mode is in one way or two way, press the right knob to cycle from CCT 1.
(2) When the cycle mode is in reverse, press the right knob to cycle from CCT 2.

· There are four add-on effects in CCT loop: OFF, FLASH, RANDOM FLASH, PULSE. Rotate the middle knob to select.

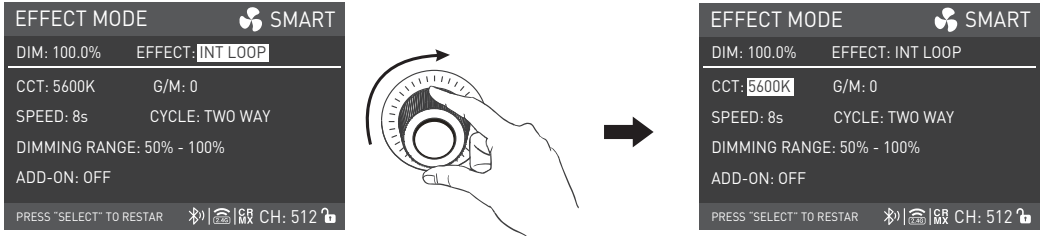


Rotate the middle knob to set the parameters.

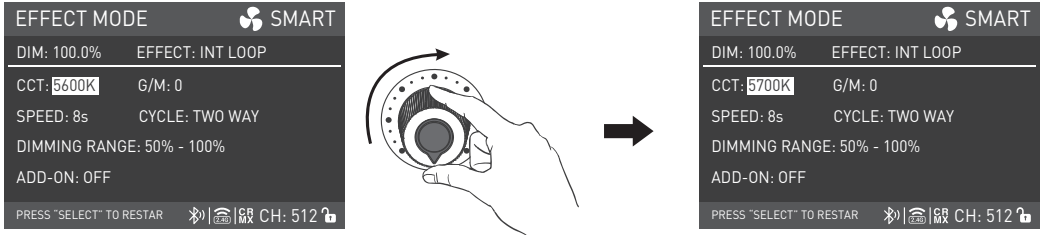
Note: (1) When the ADD-ON is off, there is no additional effect in the CCT loop.
(2) When the ADD-ON is FLASH, there is flash effect in the CCT loop, the flash effect can be set by adjusting the INTERVALS (range: 0.1s-10s) and FLASH RATIO (range: 0-100).
(3) When the ADD-ON is RANDOM FLASH, there is flash effect in the CCT loop, flash can be set by adjusting the FLASH SPEED (range: 1-100).
(4) When the ADD-ON is PULSE, there is pulse effect in the CCT loop, pulse can be set by adjusting the PULSES/MIN (range: 1-240).

②INT LOOP

INT loop setting, rotate the right knob to select CCT, G/M, SPEED (range: 2s-30s), CYCLE, DIMMING RANGE or ADD-ON, and rotate the middle knob to set the parameters.



Rotate the right knob to select CCT, G/M, SPEED, CYCLE, DIMMING RANGE or ADD-ON.



Rotate the middle knob to set the parameters.

· There are three cycle modes in INT LOOP: ONE WAY, TWO WAY and REVERSE.

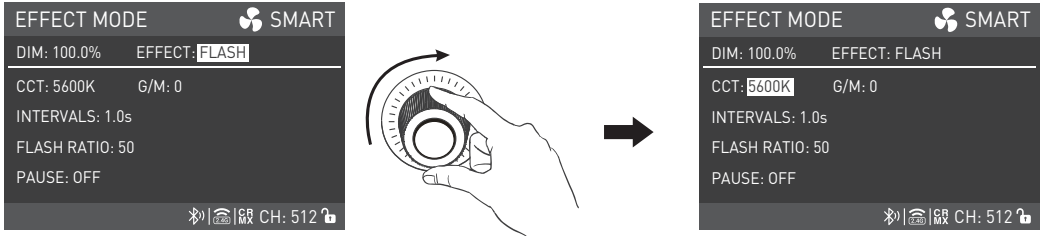
There are four add-on effects in INT loop: OFF, FLASH, RANDOM FLASH and PULSE.

Note: (1) The setting method and range of CYCLE and ADD-ON are the same as in CCT LOOP.

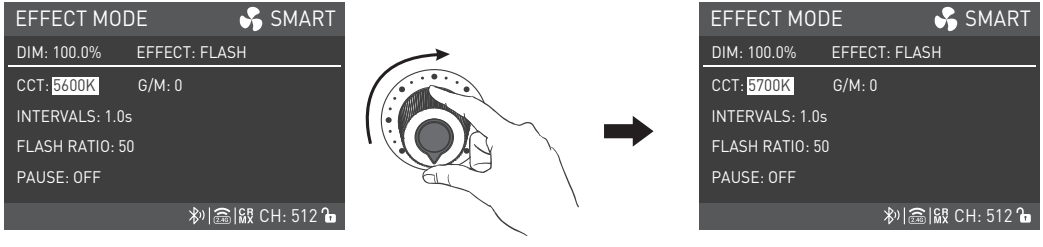
(2) In INT loop, press the right knob to restart cycle.

③FLASH

Flash setting, rotate the right knob to select CCT, G/M, INTERVALS (range: 0.1s-10s), FLASH RATIO (range: 0-100) or PAUSE, and rotate the middle knob to set the parameters.



Rotate the right knob to select CCT, G/M, INTERVALS, FLASH RATIO or PAUSE.

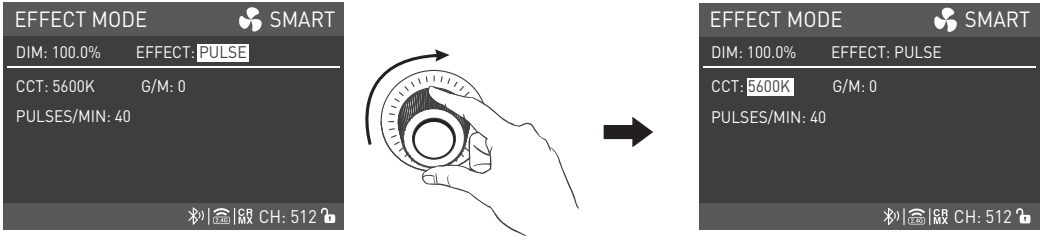


Rotate the middle knob to set the parameters.

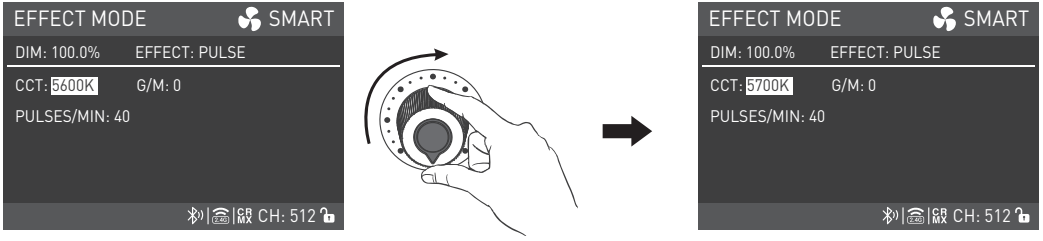
· Note: The PAUSE includes ON and OFF. When pause is on, the fixture won't flash.

④PULSE

Pulse setting, rotate the right knob to select CCT, G/M or PULSES/MIN (range: 1-240), and rotate the middle knob to set the parameters.



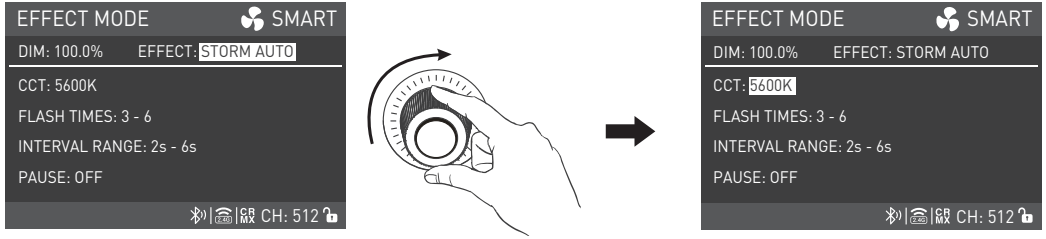
Rotate the right knob to select CCT, G/M or PULSES/MIN.



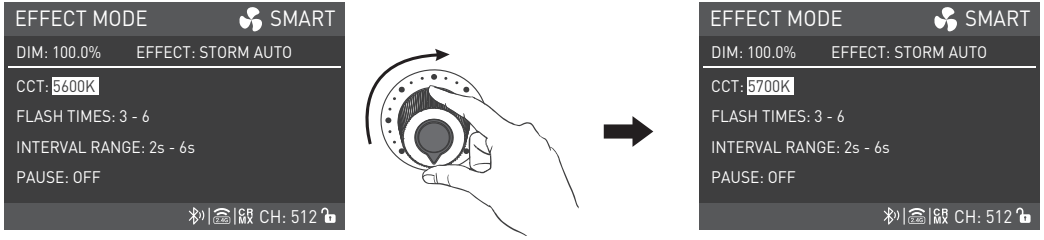
Rotate the middle knob to set the parameters.

⑤STORM AUTO

Storm auto setting, rotate the right knob to select CCT, FLASH TIMES (range: 1-10), INTERVAL RANGE (range: 1s-60s) or PAUSE, and rotate the middle knob to set the parameters.



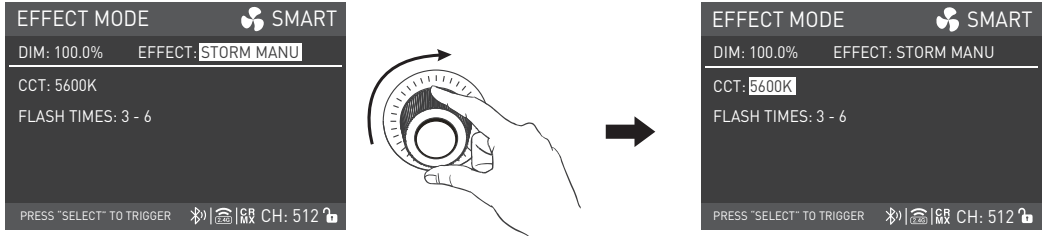
Rotate the right knob to select CCT, FLASH TIMES, INTERVAL RANGE or PAUSE



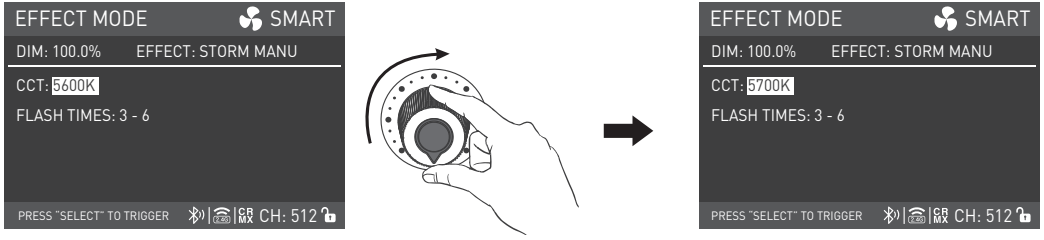
Rotate the middle knob to set the parameters.

⑥STORM MANUAL

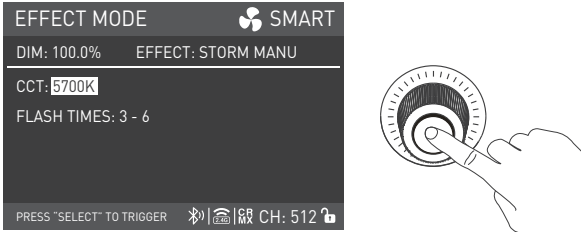
Storm manual setting, rotate the right knob to select CCT or FLASH TIMES (range: 1-10), and rotate the middle knob to set the parameters, press the right knob to trigger the storm effect.



Rotate the right knob to select CCT or FLASH TIMES.



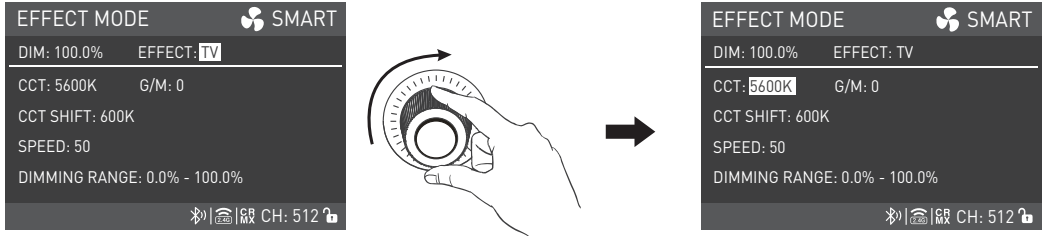
Rotate the middle knob to set the parameters.



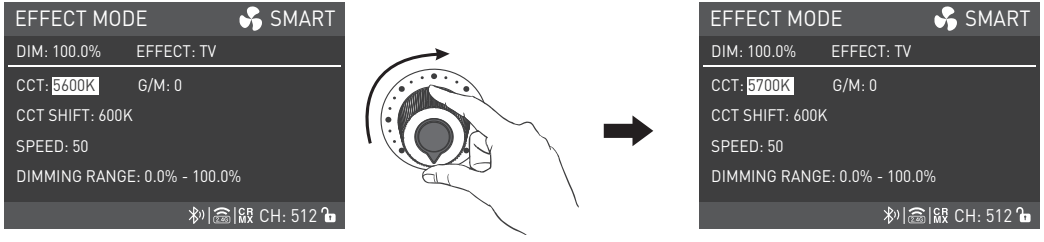
Press the right knob to trigger the storm effect.

⑦TV

TV setting, rotate the right knob to select CCT, G/M, CCT SHIFT (range: 0K-3000K), SPEED (range: 1-100) or DIMMING RANGE, and rotate the middle knob to set the parameters.



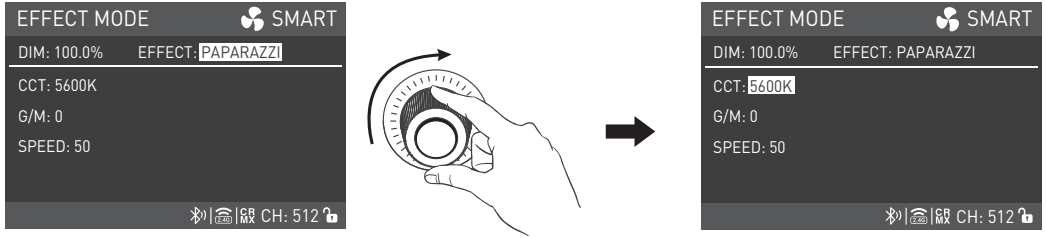
Rotate the right knob to select CCT, G/M, CCT SHIFT (range: 0K-3000K), SPEED (range: 1-100) or DIMMING RANGE.



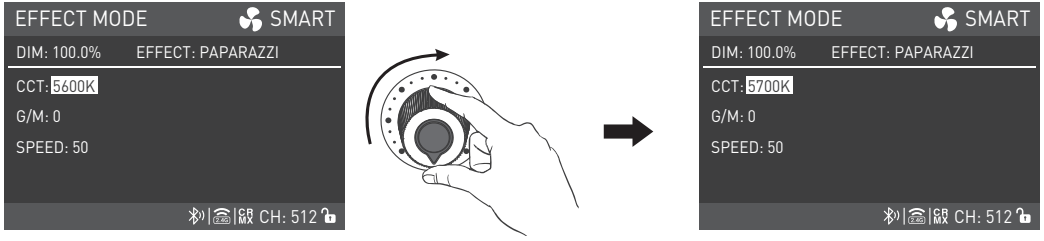
Rotate the middle knob to set the parameters.

⑧PAPARAZZI

Paparazzi setting, rotate the right knob to select CCT, G/M or SPEED (range:1-100), and rotate the middle knob to set the parameters.



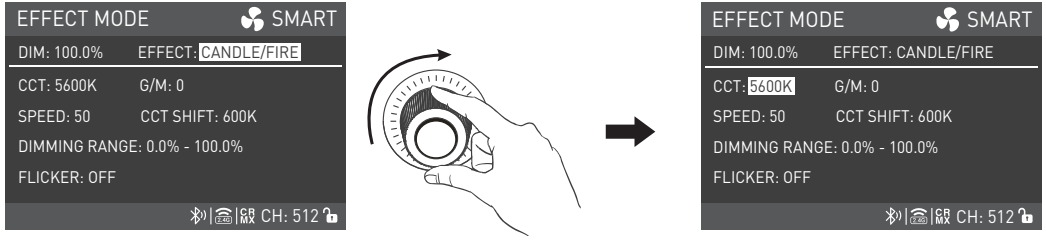
Rotate the right knob to select CCT, G/M or SPEED.



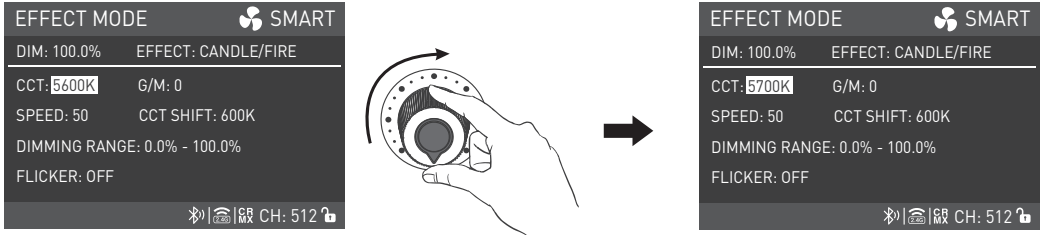
Rotate the middle knob to set the parameters.

⑨CANDLE/FIRE

Candle/fire setting, rotate the right knob to select CCT, G/M, SPEED (range: 1-100), CCT SHIFT (range: 0K-3000K), DIMMING RANGE or FLICKER, and rotate the middle knob to set the parameters.



Rotate the right knob to select CCT, G/M, SPEED, CCT SHIFT, DIMMING RANGE or FLICKER.

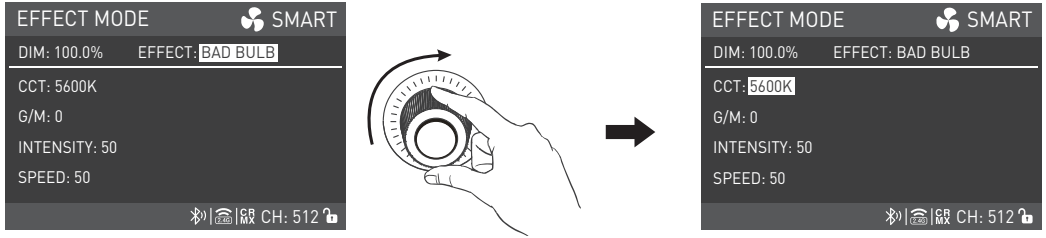


Rotate the middle knob to set the parameters.

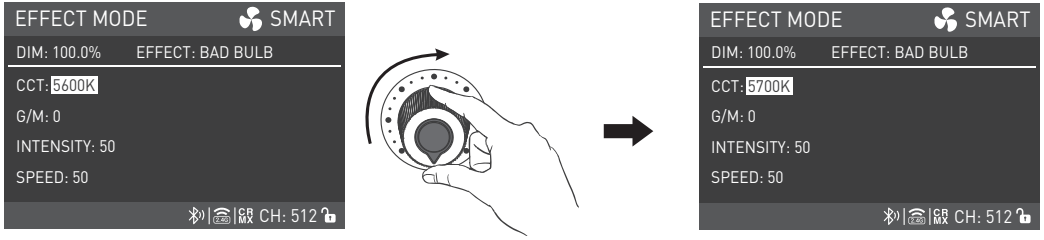
Note: The FLICKER includes ON and OFF. When the filcker is on, there is flicker in the candle/fire effect.

⑩BAD BULB

Bad bulb setting, rotate the right knob to select CCT, G/M, INTENSITY (range: 1-100) or SPEED (range: 1-100), and rotate the middle knob to set the parameters.



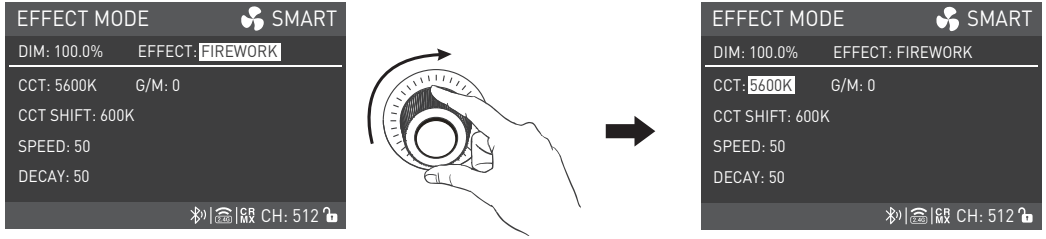
Rotate the right knob to select CCT, G/M, INTENSITY or SPEED.



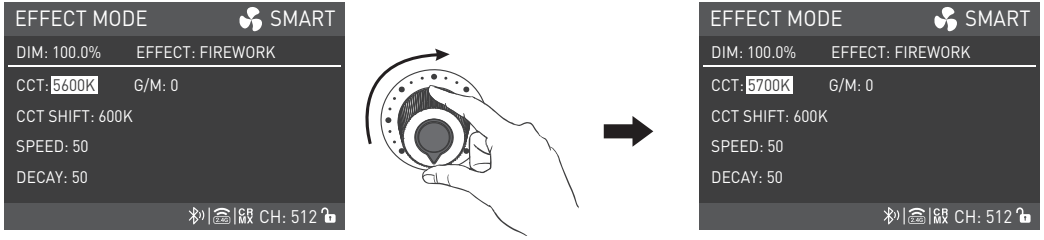
Rotate the middle knob to set the parameters.

⑪FIREWORK

Firework setting, rotate the right knob to select CCT, G/M, CCT SHIFT (range: 0K-3000K), SPEED (range: 1-100) or DECAY (range: 1-100), and rotate the middle knob to set the parameters.



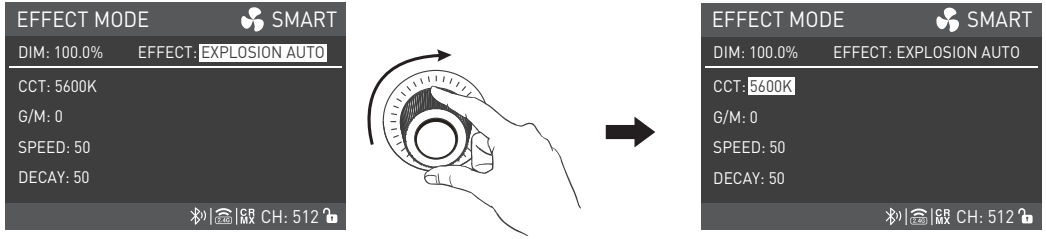
Rotate the right knob to select CCT, G/M, CCT SHIFT, SPEED or DECAY.



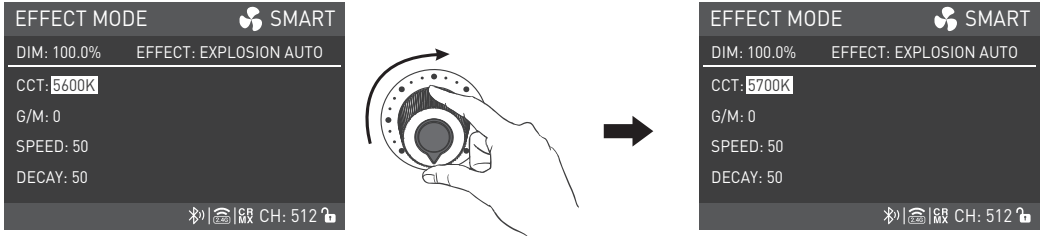
Rotate the middle knob to set the parameters.

⑫EXPLOSION AUTO

Explosion auto setting, rotate the right knob to select CCT, G/M, SPEED (range:1-100) or DECAY (range:1-100), and rotate the middle knob to set the parameters.



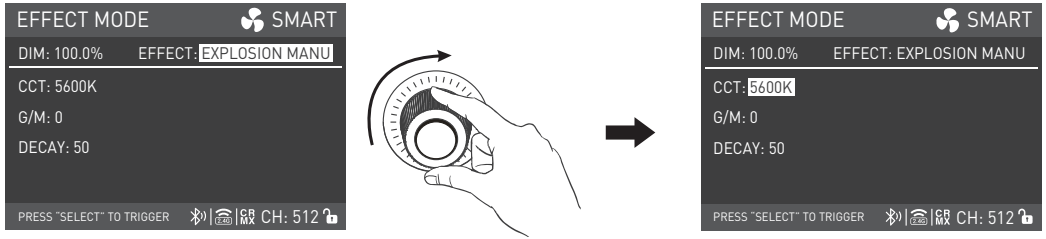
Rotate the right knob to select CCT, G/M, SPEED or DECAY.



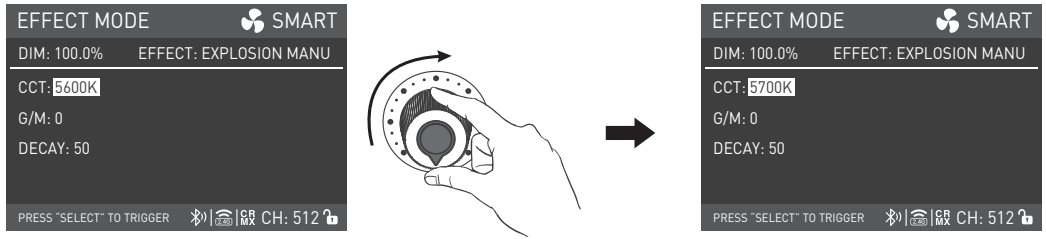
Rotate the middle knob to set the parameters.

⑬EXPLOSION MANUAL

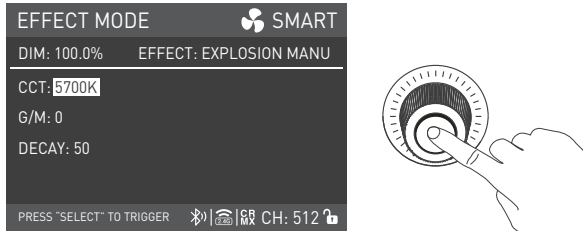
Explosion manual setting, rotate the right knob to select CCT, G/M or DECAY (range: 1-100), and rotate the middle knob to set the parameters.



Rotate the right knob to select CCT, G/M or DECAY.



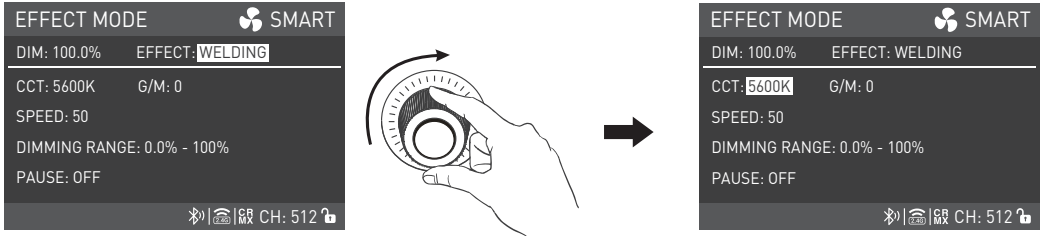
Rotate the middle knob to set the parameters.



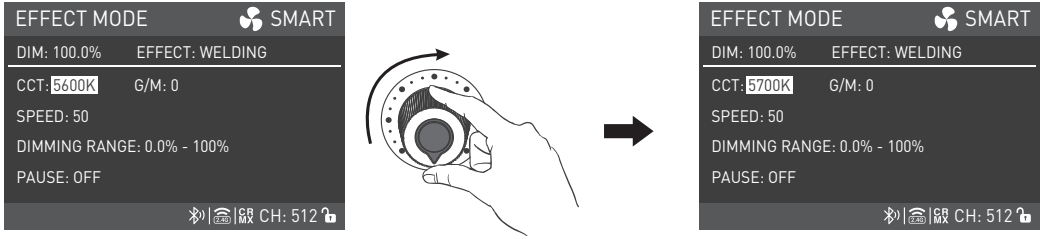
Press the right knob to trigger explosion.

⑭WELDING

Welding settings, rotate the right knob to select CCT, G/M, SPEED (range: 1-100), DIMMING RANGE or PAUSE, and rotate the middle knob to set the parameters.



Rotate the right knob to select CCT, G/M, SPEED, DIMMING RANGE or PAUSE.



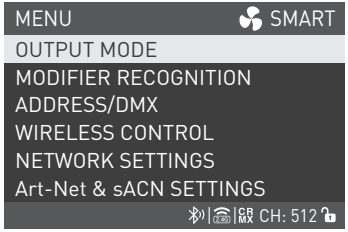
Rotate the middle knob to set the parameters.

Note: The PAUSE includes ON and OFF. When the pause is ON, the welding effect will suspend.

· Lighting effects and additional functionality will be probably upgraded with later firmware version. Detailed information is subject to the latest firmware function instruction.

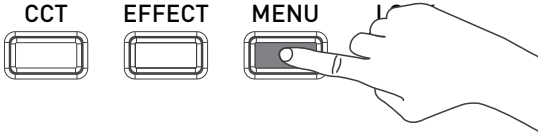
4. MENU Button: Press the MENU button to enter the interface of menu.

Rotate the right knob to select the needed options, press the right knob to enter the secondary menu, and rotate the right knob again to select the options and press the right knob to set. Press the MENU button to return to the previous menu.

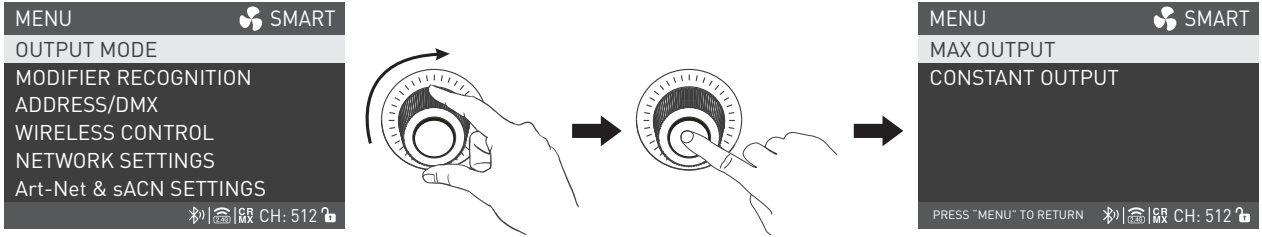




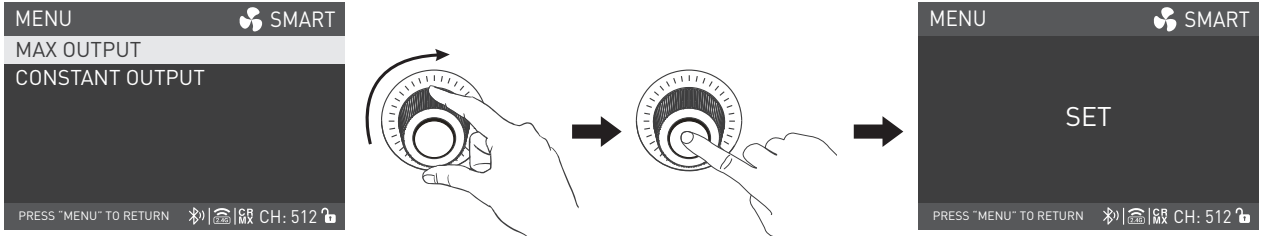
left knob middle knob right knob



4.1 OUTPUT MODE

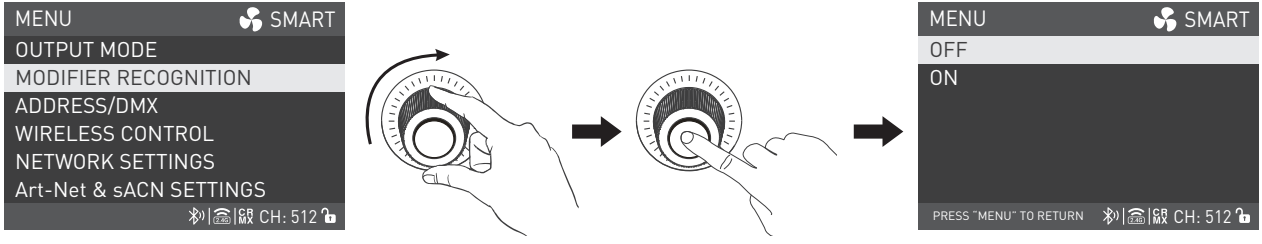


Rotate the right knob to OUTPUT MODE, and press the right knob to enter the secondary menu.

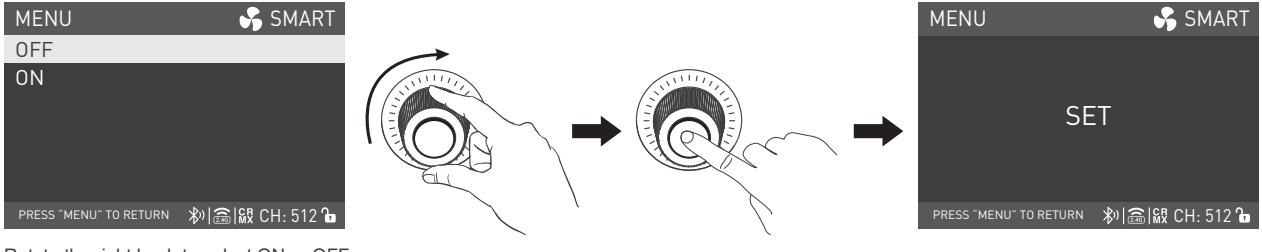


Rotate the right knob to select MAX OUTPUT or CONSTANT OUTPUT, and press the right knob to set.

4.2 MODIFIER RECOGNITION



Rotate the right knob to MODIFIER RECOGNITION, and press the right knob to enter the secondary menu.

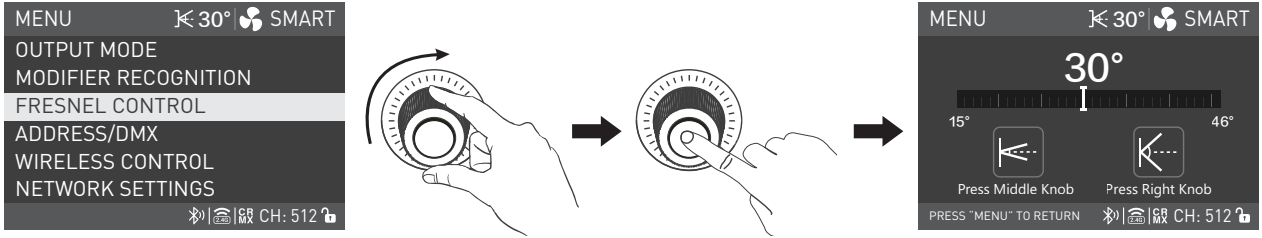


Rotate the right knob to select ON or OFF.

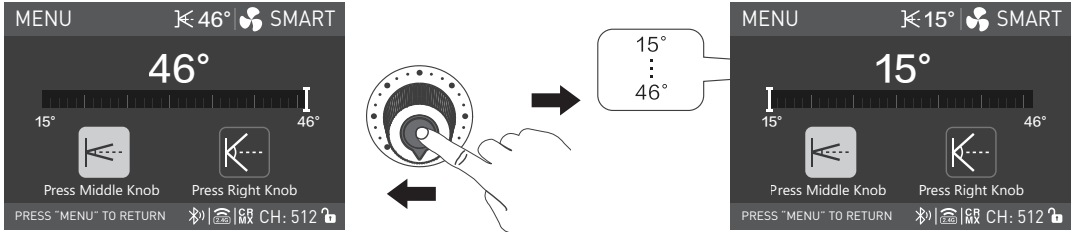
- When the modifier recognition is off, please ensure the modifier should match the fixture's COB size and work normally to avoid dangerous situations.
- When the modifier recognition is on, only the NL mount modifier that with electronic contacts and by correct installation can be recognized by the fixture. If the modifier cannot be recognized, the brightness will be 0%.

4.3 FRESNEL CONTROL

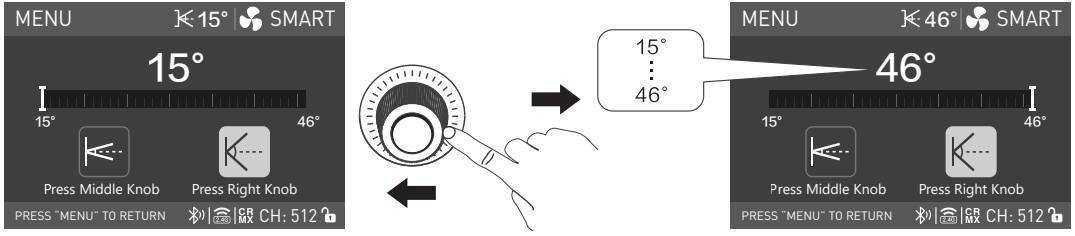
When the FL-35E motorized Fresnel lens is mounted on the Evoke 2400B lamp head, the menu will display the Fresnel control option. The FL-35E can be adjusted to spot light or flood light through this function. The zoom range: 15°-46°. (The FL-35E is sold separately.)



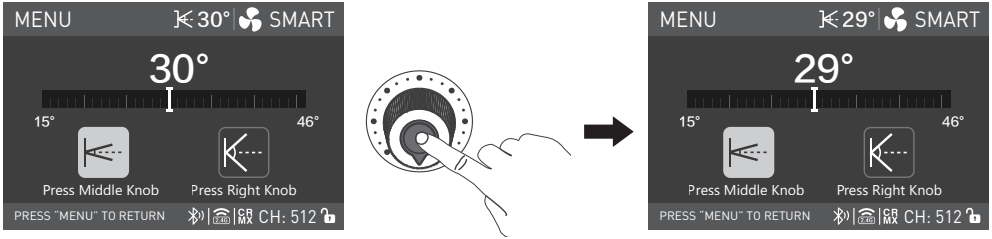
Rotate the right knob to FRESNEL CONTROL, and press the right knob to enter the secondary menu.



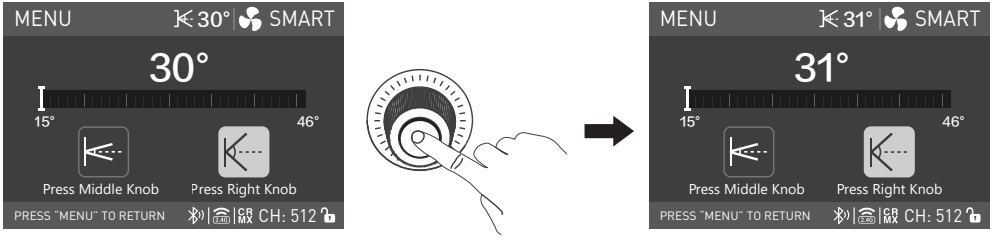
Press the middle knob to adjust the light to spot. As the angle changes, the angle indicator bar will slide to the left and display the corresponding value.



Press the right knob to adjust the light to flood. As the angle changes, the angle indicator bar will slide to the right and display the corresponding value.



Short press the middle knob, the angle will decrease by 1°.



Short press the right knob, the angle will increase by 1°.

Long press the middle knob to continuously decrease the angle, long press the right knob to continuously increase the angle, until the angle is adjusted to the maximum value.

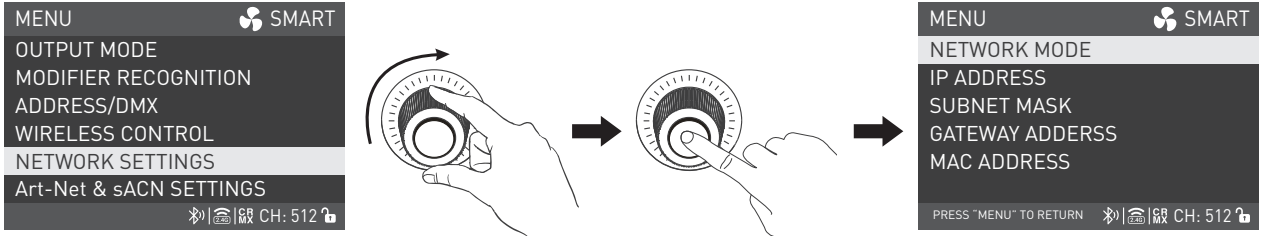
4.4 ADDRESS/DMX

For more operation details please refer to P15.

4.5 WIRELESS CONTROL

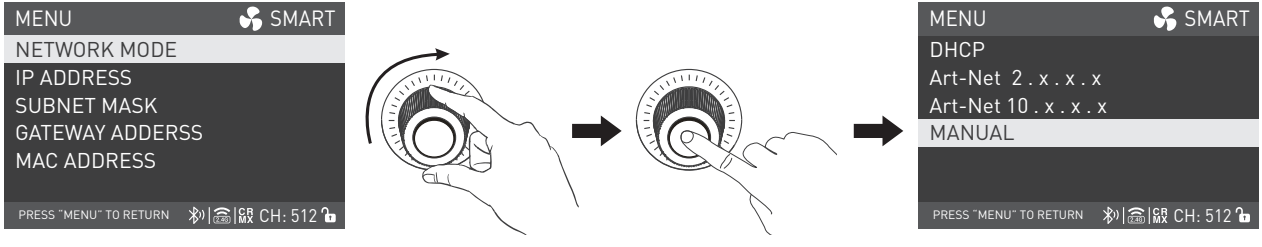
For more operation details please refer to P21.

4.6 NETWORK SETTINGS

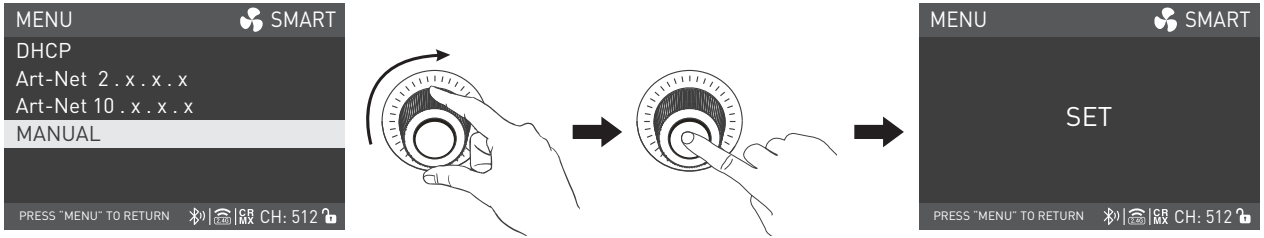


Rotate the right knob to NETWORK SETTINGS, and press the right knob to enter the secondary menu.

①NETWORK MODE



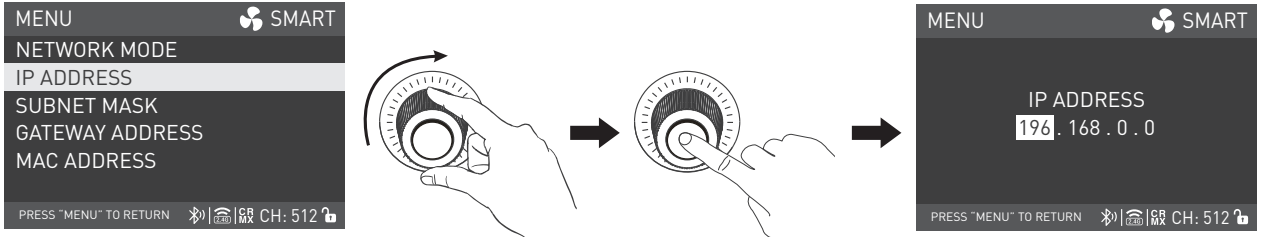
Rotate the right knob to NETWORK MODE, and press the right knob to enter the tertiary menu.



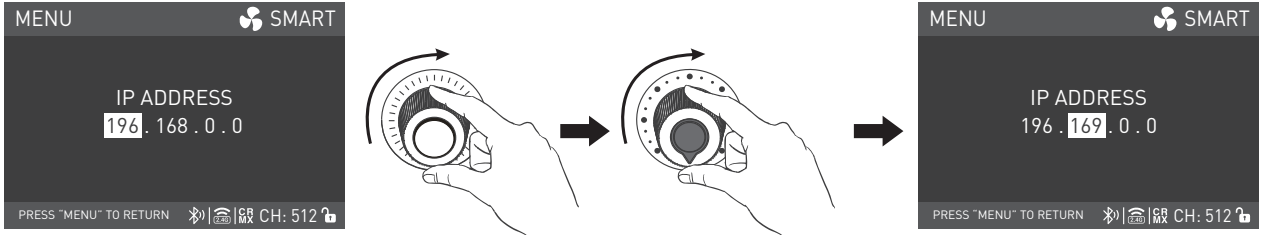
Rotate the right knob to select the needed network mode, and press the right knob to set.

Note: When DHCP or Art-Net is selected, the IP ADDRESS, SUBNET MASK and GATEWAY ADDRESS will be set automatically. When MANUAL is selected, the IP ADDRESS, SUBNET MASK and GATEWAY ADDRESS can be set manually.

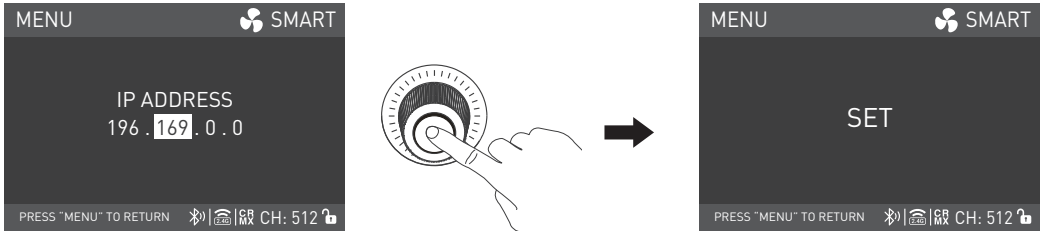
②IP ADDRESS



Rotate the right knob to IP ADDRESS, and press the right knob to enter the tertiary menu.

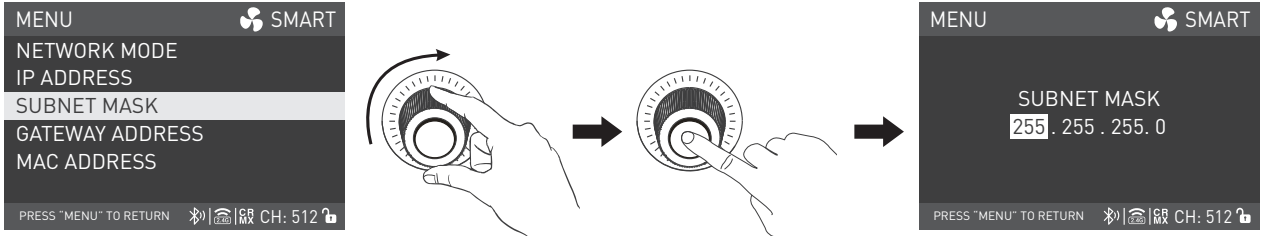


Rotate the right knob to the bytes, and rotate the middle knob to select the needed IP address.

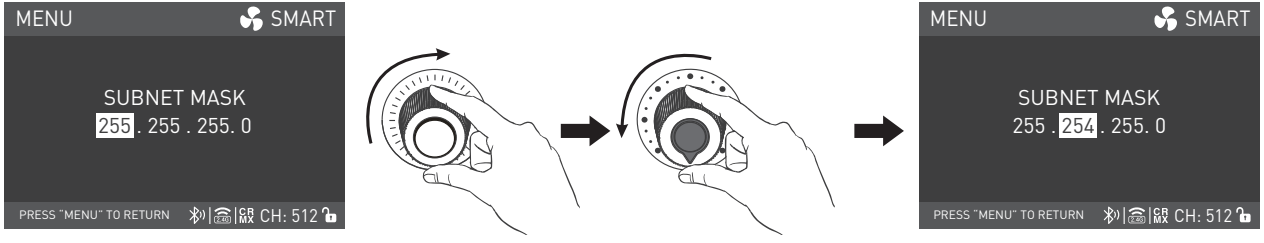


Press the right knob to set.

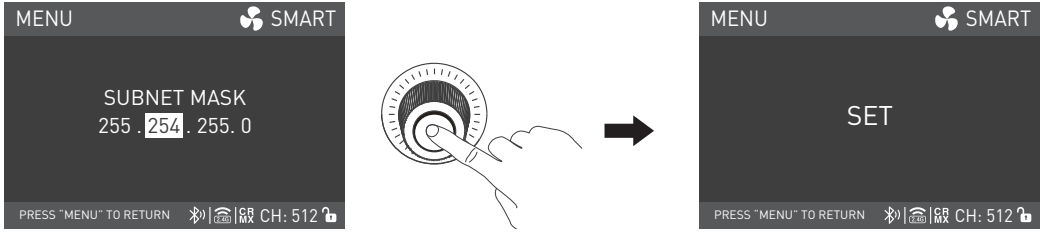
③SUBNET MASK



Rotate the right knob to SUBNET MASK, and press the right knob to enter the tertiary menu.

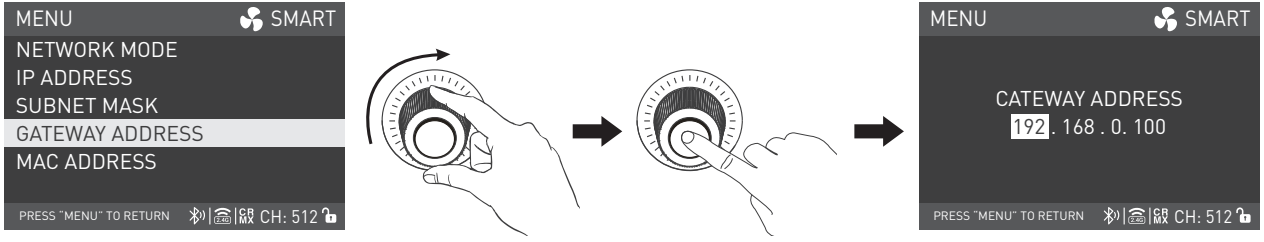


Rotate the right knob to the subnet, and rotate the middle knob to select the needed subnet mask.

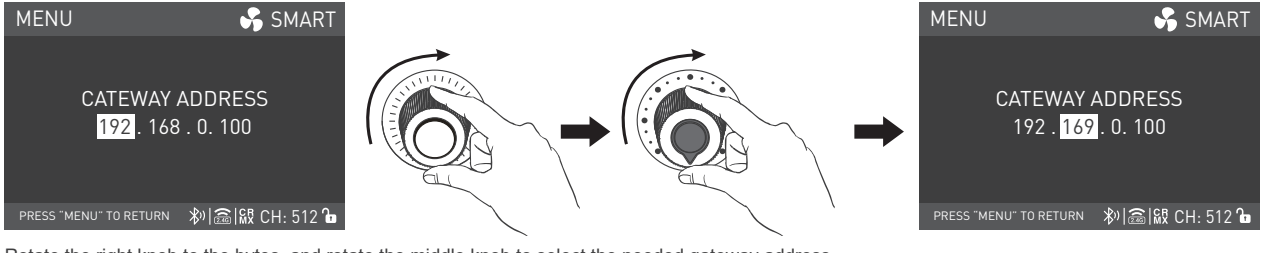


Press the right knob to set.

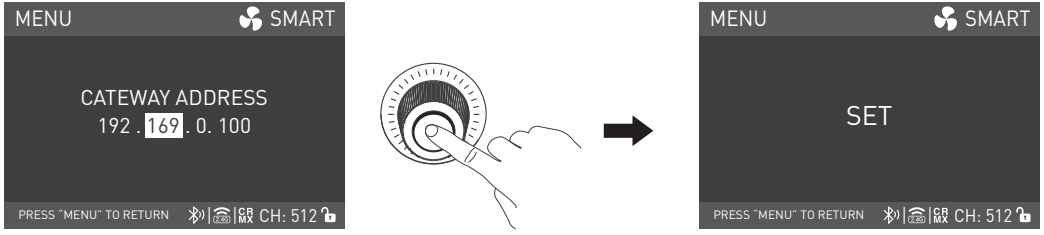
④GATEWAY ADDRESS



Rotate the right knob to GATEWAY ADDRESS, and press the right knob to enter the tertiary menu.

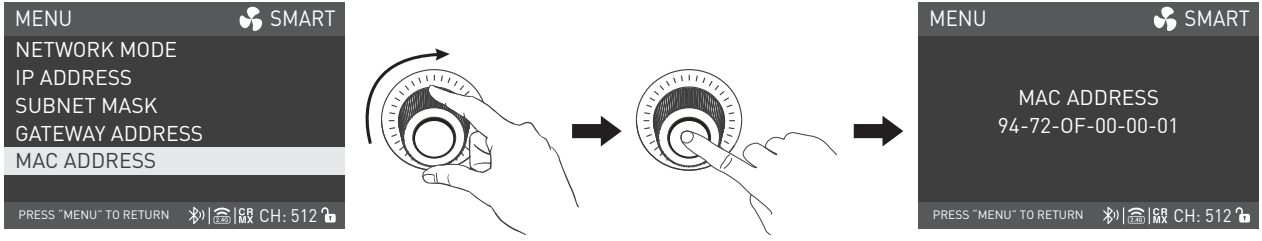


Rotate the right knob to the bytes, and rotate the middle knob to select the needed gateway address.



Press the right knob to set.

⑤MAC ADDRESS

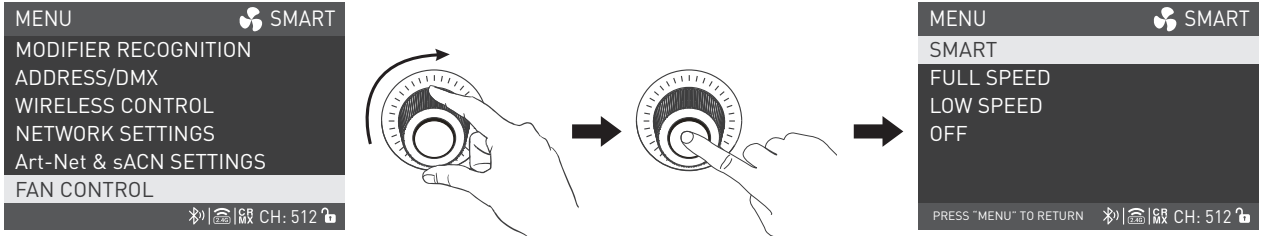


Rotate the right knob to MAC ADDRESS, and press the right knob to check.

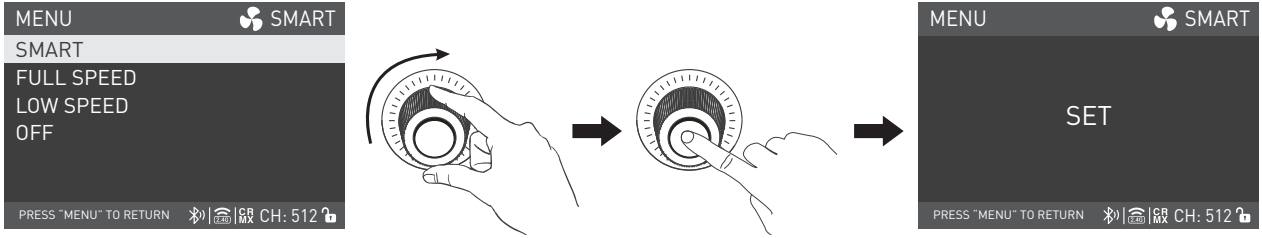
4.7 Art-Net & sACN

For more operation details please refer to P32.

4.8 FAN CONTROL



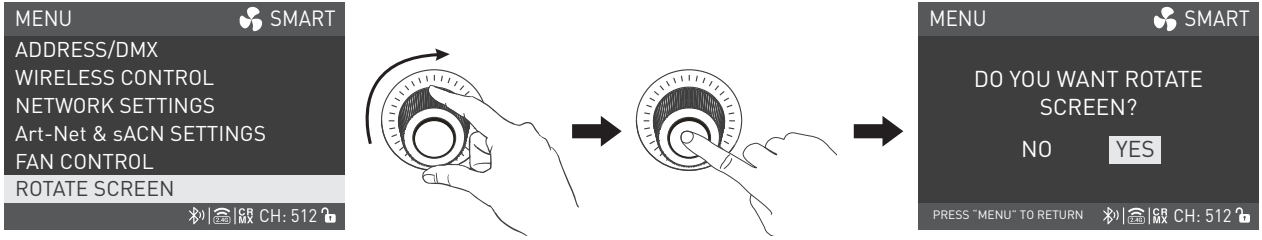
Rotate the right knob to FAN CONTROL, and press the right knob to enter the secondary menu.



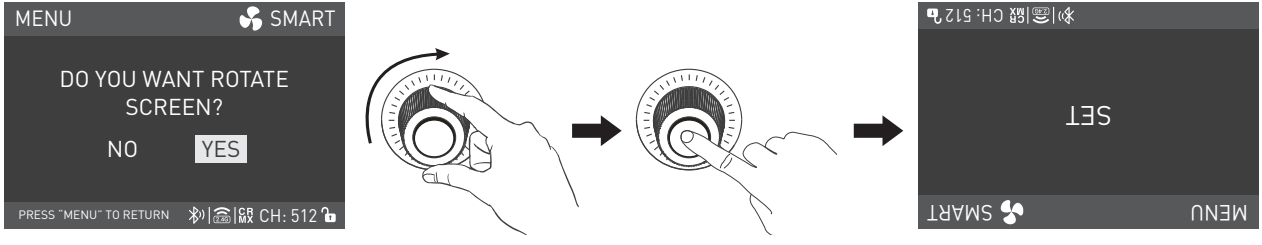
Rotate the right knob to select speed: SMART, FULL SPEED, LOW SPEED or OFF, and press the right knob to set.

Note: When the fan is off, the built-in fan will stop working, and the maximum output of fixture will be 15%.
When the fan is in low speed, the maximum output is 50%.
When the fan is in smart or full speed state, the maximum output is 100%.

4.9 ROTATE SCREEN

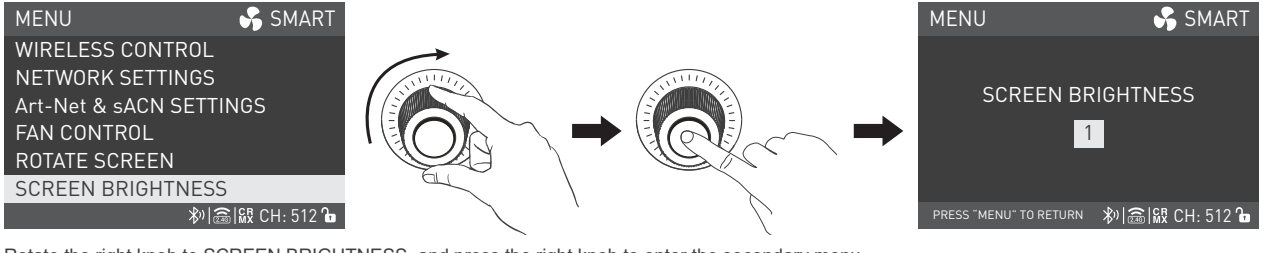


Rotate the right knob to the ROTATE SCREEN, and press the right knob to enter the secondary menu.

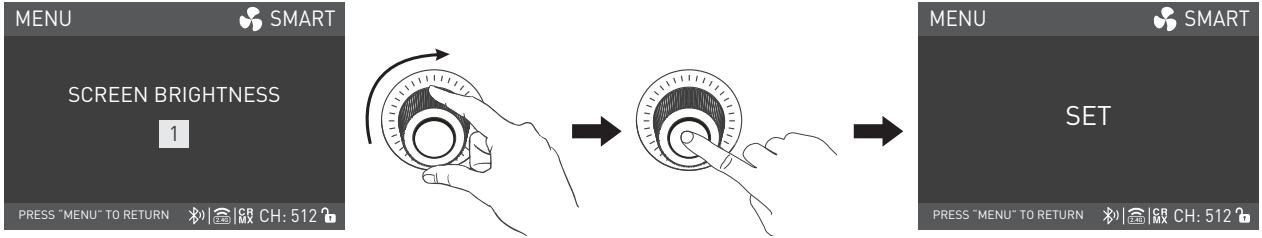


Rotate the right knob to select YES or NO, and press the right knob to set.

4.10 SCREEN BRIGHTNESS

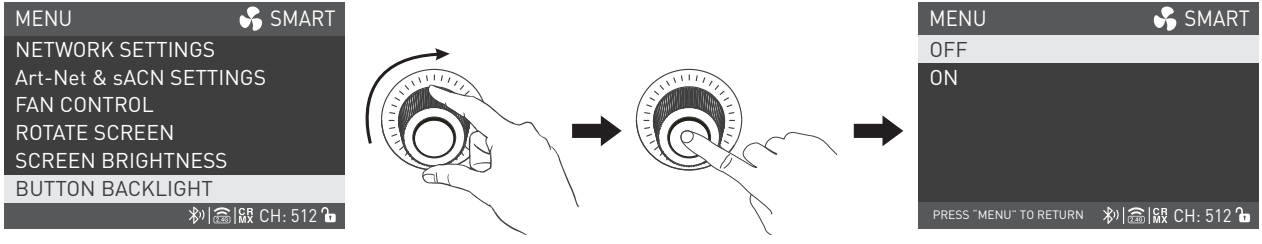


Rotate the right knob to SCREEN BRIGHTNESS, and press the right knob to enter the secondary menu.

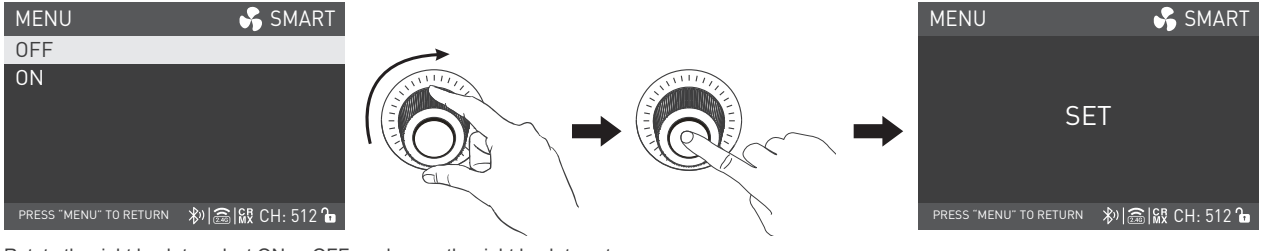


Rotate the right knob to select the screen brightness, and press the right knob to set.

4.11 BUTTON BACKLIGHT

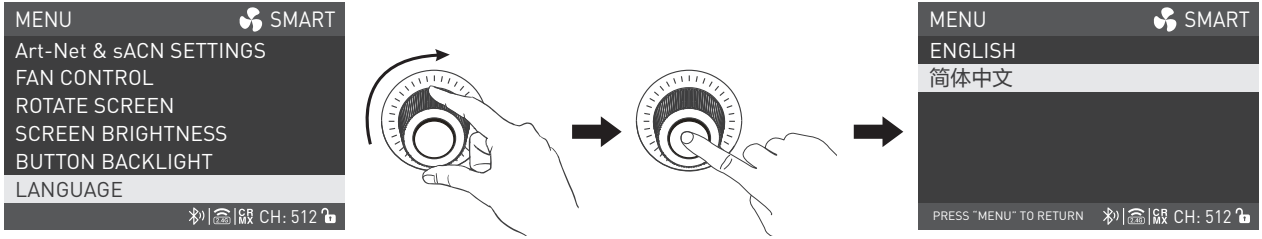


Rotate the right knob to BUTTON BACKLIGHT, and press the right knob to enter the secondary menu.

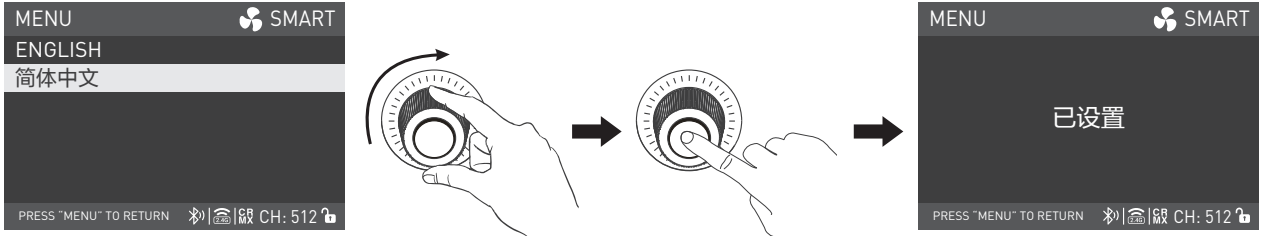


Rotate the right knob to select ON or OFF, and press the right knob to set.

4.12 LANGUAGE



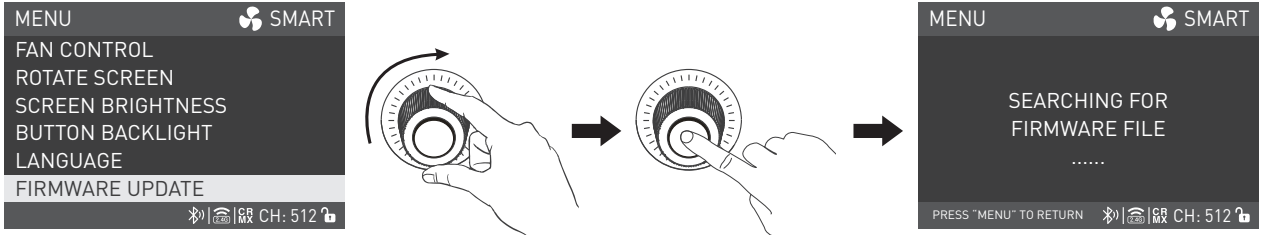
Rotate the right knob to LANGUAGE, and press the right knob to enter the secondary menu.



Rotate the right knob to select ENGLISH or 简体中文, and press the right knob to set.

4.13 FIRMWARE UPDATE

Put the three firmware files into the root directory of the USB drive (ensure the firmware versions match), and insert the USB drive to the USB port.



Rotate the right knob to FIRMWARE UPDATE, and press the right knob to enter the interface to search for the firmware files.

Note:

① Please do not rename the firmware files.

② Ensure the USB drive is formatted to FAT, FAT32 or exFAT.

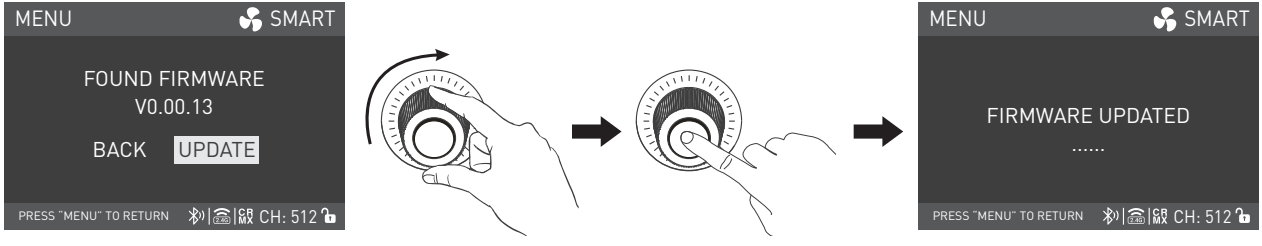
③ If prompted that "THE VERSIONS OF THE THREE FIRMWARE FILES DON'T MATCH, PLEASE CHECK THE FILES AND TRY AGAIN", please check whether the versions of the three firmware files are consistent.

④ If prompted that "MISSING PARTS OF FIRMWARE FILES, PLEASE CHECK THE FILES AND TRY AGAIN", please check whether there are three firmware files in the USB drive.

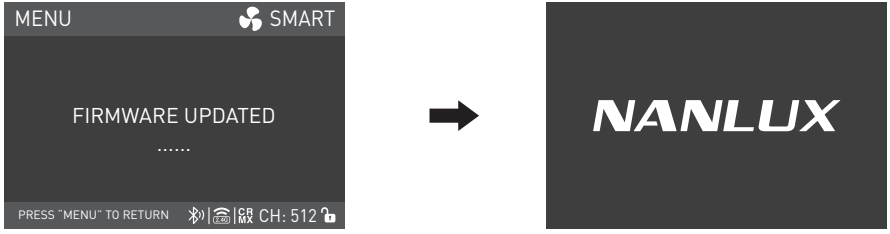
⑤ If prompted that "NO FIRMWARE FOUND", please check whether the firmware files are correct, whether the firmware files are put in the root directory of the USB drive, or whether the USB drive format is FAT, FAT32 or exFAT.

⑥ If all the above steps are done and the firmware files still cannot be found, please format the USB drive again.

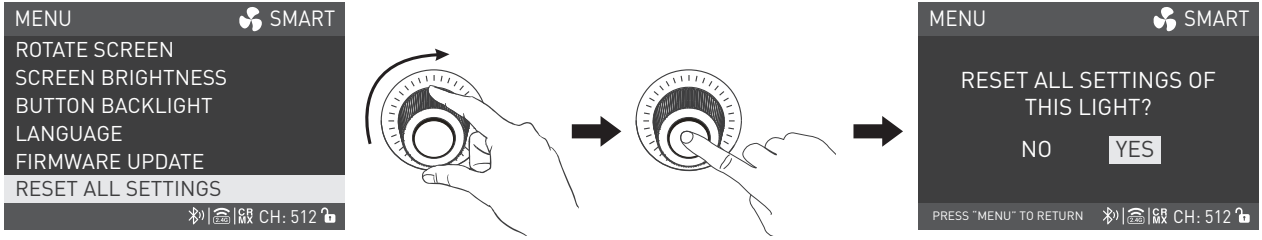
⑦ If the fixture still cannot identify the USB drive, please replace the USB drive.



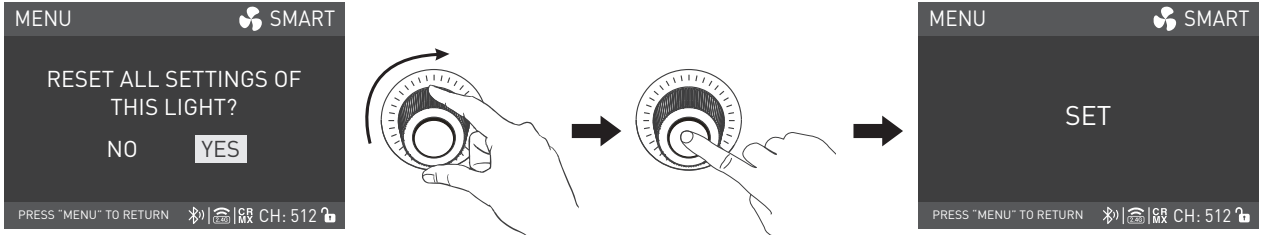
After the firmware file is found, enter the firmware update interface, rotate the right knob to select UPDATE, and press the right knob to make update.
After update, the fixture will automatically restart.



4.14 RESET ALL SETTINGS

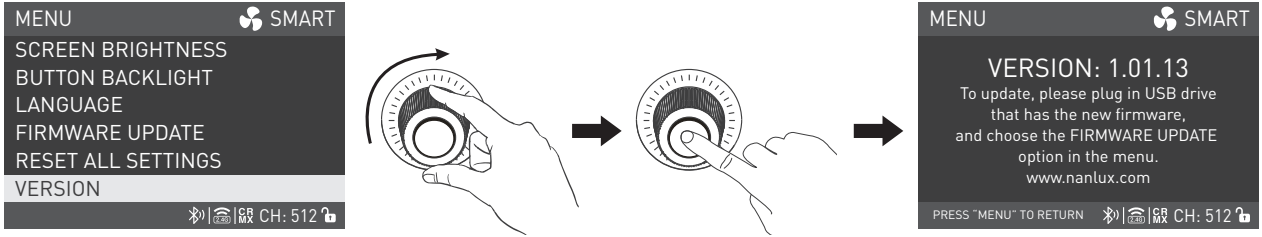


Rotate the right knob to RESET ALL SETTINGS, and press the right knob to enter the secondary menu.



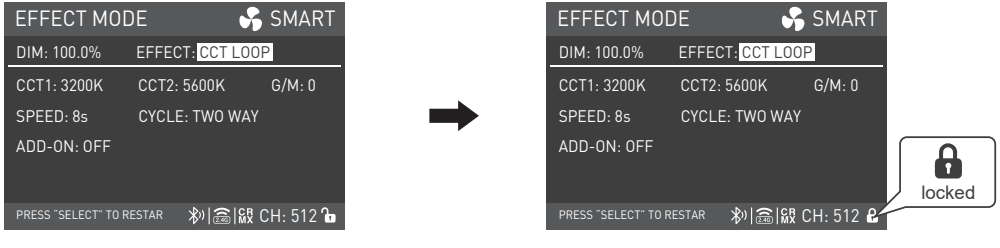
Rotate the right knob to select YES or NO, and press the right knob to set.

4.15 VERSION



Rotate the right knob to VERSION, and press the right knob to check the current version.

5. LOCK Button: Long press the LOCK button to lock the settings. At this moment, any operation or adjustment on the button and knob will not change the current setting. Long press the LOCK button again to unlock.



6. When the fixture is not in use, please turn off the power switch.

General Fault Detection and Diagnosis

Fault Detection	Diagnosis
The light won't boot up properly.	1. Please check whether the connection between power supply and cable or fixture are loose. 2. Please check whether the voltage value of power supply is within the specified range.
The fixture can be operated manually, but DMX control is not working.	1. Please check whether the DMX address setting is correct. 2. Please check whether the DMX cable is connected correctly and without damage.
The display screen is on, but the fixture cannot be operated.	Please check if the screen shows 🔒. Long press the LOCK button for 3s to unlock.
The fan doesn't work.	Please check if the fan is OFF.
The signal receiving distance of 2.4G and Bluetooth is less than 5 meters.	Please check whether the LumenRadio is in transmitter mode, if so, please set the LumenRadio to unlink, and set it in receiver mode.
The display screen is on, but the fixture doesnot shed light.	1. Please check if the fixture is installed with modifier / accessory or if they are not compatible with the fixture. 2. Please check if the modifier / accessory can't be recognized, if so, please align the electronic contacts on the modifier / accessory with those on the fixture.

Other Optional Kits

Evoke 2400B Flight Case Kit (*reflector included)
Evoke 2400B Trolley Case Kit
Evoke 2400B Carton Packaging

Please scan the QR code for more details.

DMX Reference Guide

Nanlux Website

Nanlink App

This manual has been compiled according to the rigorous testing for Nanlux products. Product designs are subject to change without prior notice. The latest version of the manual for this product is downloadable at www.nanlux.com.

Certification

IS 10322
(PART 5/SEC 1): 2012

R-41249025
www.bis.gov.in

R 210-158897
R 210-159266
R 017-200015

CCAK20Y10020T5 CCAK21Y10070T2 CCAK23Y10180T2

SELV IP55 0.5m

Made in China

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