USER MANUAL

NANLUX

INNOVATE · ILLUMINATE

Dyno 650C/1200C

RGBWW LED SOFT PANEL LIGHT

WWW.NANLUX.COM

Contents

Product Diagram 01

Technical Data 01

Product Details 02

Detailed Description 04

Usage

1. Connection between Dyno 650C and Power Supply 05
2. Connection between two Dyno 650C and Power Supply 06
3. Connection between Dyno 1200C and Power Supply 07
4. Dyno Super Clamp Installation 08
5. Diffuser Installation 09
6. Barndoor Installation 10
7. Hanging Options 11

Remote Control

1. ADDRESS/DMX 12
2. DMX Remote Control 17
3. WIRELESS CONTROL 19
4. RDM Contro 30

Operating Instructions

1. Screen Interface Display Instructions 31
2. CCT Key 31
3. HSI Key 33
4. XY/RGBW Key 34
5. GEL Key 36
6. EFFECT Key 37
7. PRESET Key 59
8. MENU Key
   - ①CCT LIGHTING MODE 64
   - ②ADDRESS/DMX 65
   - ③LUMENRADIO SETTINGS 65
   - ④FAN CONTROL 65
   - ⑤ROTATE SCREEN 66
   - ⑥SCREEN BRIGHTNESS 67
   - ⑦BUTTON BACKLIGHT 68
   - ⑧LANGUAGE 69
   - ⑨RESET ALL SETTINGS 70
   - ⑩VERSION 70
9. LOCK Key 71
10. Fan Exception Indication 71

Safety Precautions 71

Notice 71

Product Includes 72

General Fault Detection and Diagnosis 73

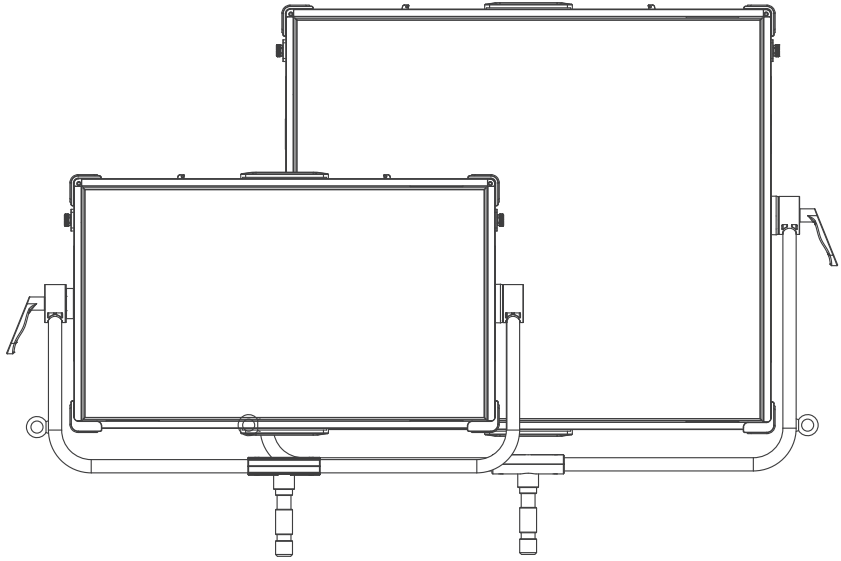
Dyno 650C/1200C RGBWW LED Soft Panel Light

Product Diagram

Technical Data

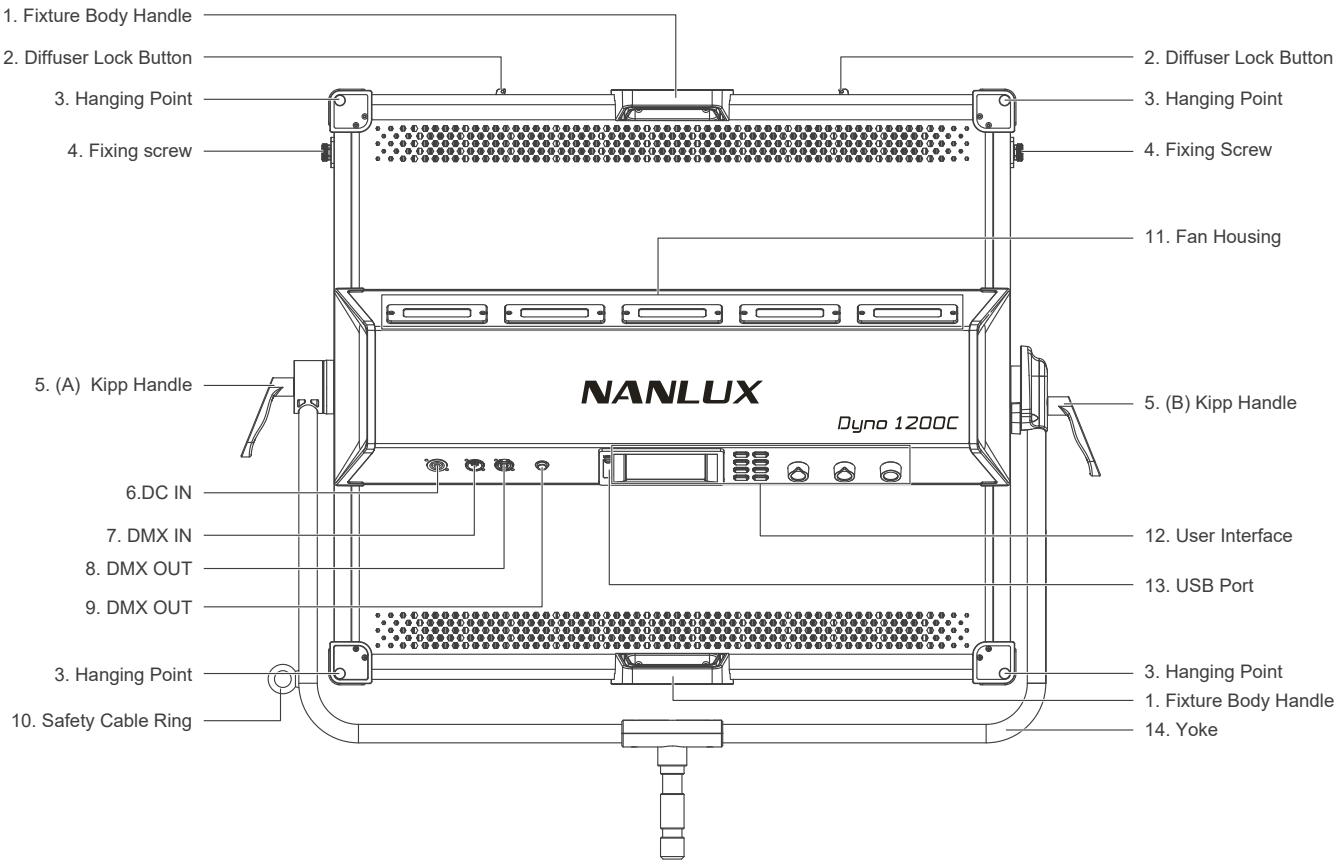
Model No: Dyno 650C
Rated power: 650W
Input voltage/current: DC48V/14.6A Max
AC100-240V 50/60Hz
CCT: 2700K-20000K
CRI: Average 95
TLCI: Average 95

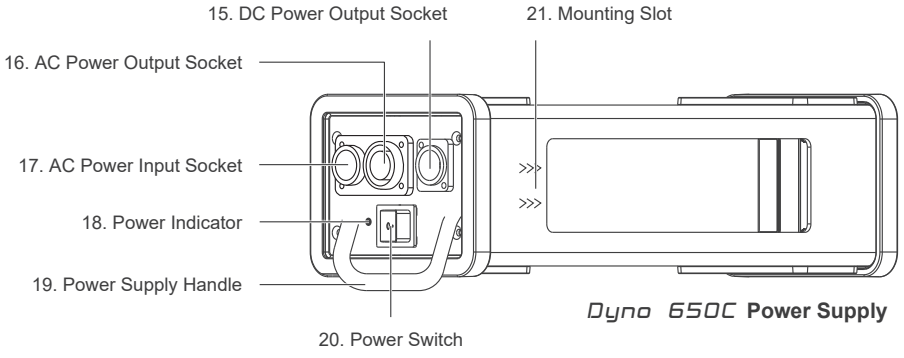
Model No: Dyno 1200C
Rated power: 1200W
Input voltage/current: DC48V/29.2A Max
AC100-240V 50/60Hz
CCT: 2700K-20000K
CRI: Average 95
TLCI: Average 95



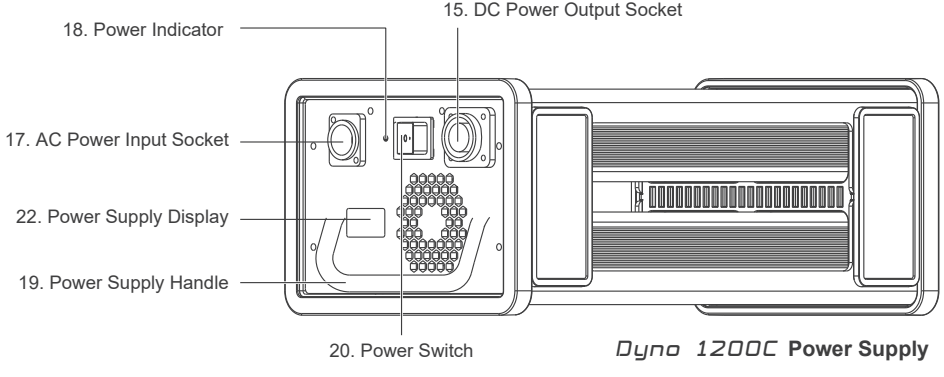
Dyno 650C Dyno 1200C

Product Details





Dyno 650C **Power Supply**



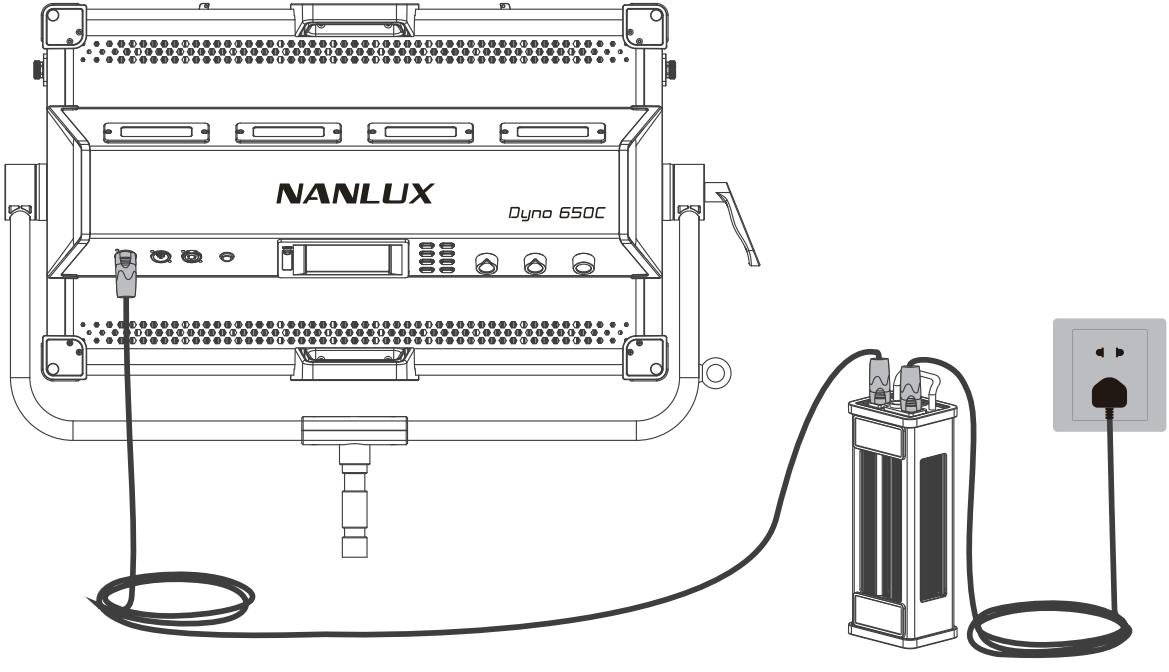
Dyno 1200C **Power Supply**

Detailed Description

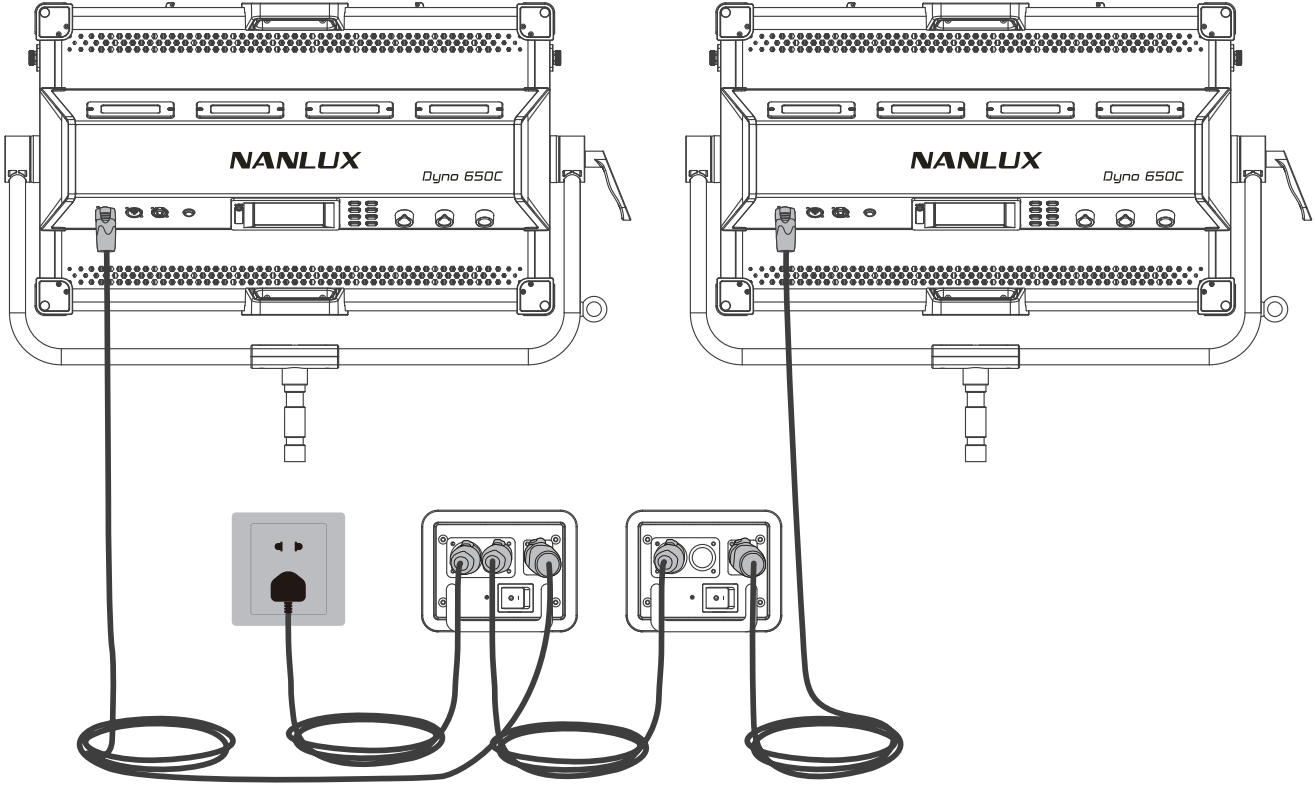
1. Fixture body handle: Adjust the direction of the fixture.
2. Diffuser lock button: Release or secure the diffuser to the fixture.
3. Hanging point: Mount fixture in hanging configuration.
4. Fixing screw: Lock and fix the diffuser.
5. Kipp handle: Tighten or release the tilt movement of the fixture on the yoke.
   (Dyno 1200C has a Kipp handle on each side of the yoke. Dyno 650C just has a single Kipp handle on the left side.)
6. DC IN: DC power input interface.
7. DMX IN: DMX signal input interface.
8. DMX OUT: DMX signal output interface.
9. CONTROL: Wired Remote port.
10. Safety cable ring: Attach safety rope to secure the diffuser.
11. Fan housing: Installing or removing the fan.
12. User interface: Display and control functions, operations and data.
13. USB port: Install firmware updates.
14. Yoke: Mount the fixture on a stand, pan and tilt.
15. DC power output socket: Connect the DC power cable.
16. AC power output socket: For connecting to one more power suppplier of the Dyno 650C or other fixture of maximum current 15A.
    (Note: The Dyno 1200C do not have this socket due to power limitation.)
17. AC power input socket: For connecting the AC power cable to supply power the adapter.
18. Power indicator: Check the status of the power input. Indicator always on: normal power supply; Indicator flashing or off: abnormal power supply or no power input.
19. Power supply handle: For lift the power supply.
20. Power switch: Turn fixture on/off.
21. Mounting slot: Fix the power supply to the Dyno super clamp.
22. Power supply display: Voltage and fan status of Dyno 1200C power supply.

Usage

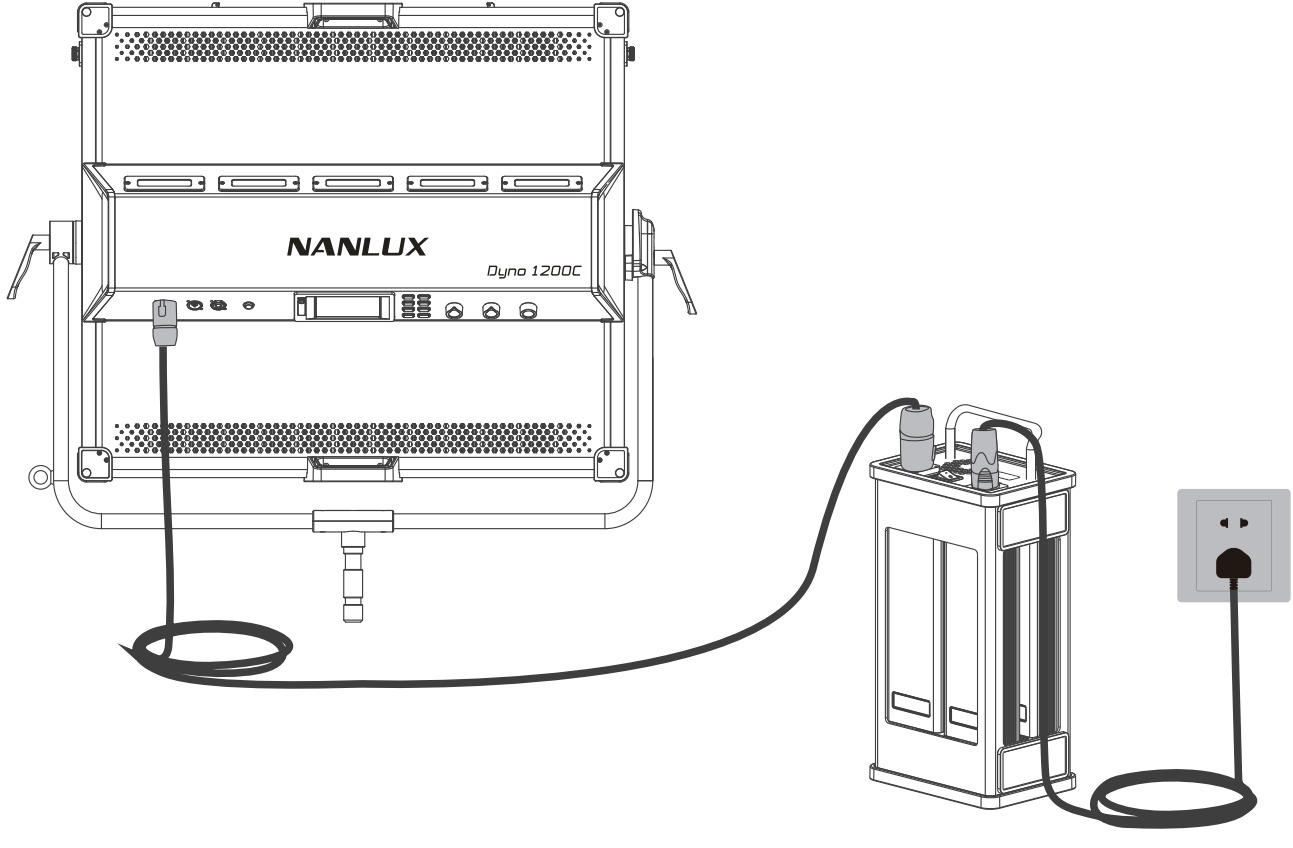
1. Connection between Dyno 650C and Power Supply.



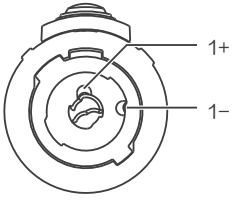
2. Connection between two Dyno 650C and Power Supply.

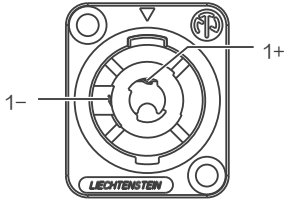


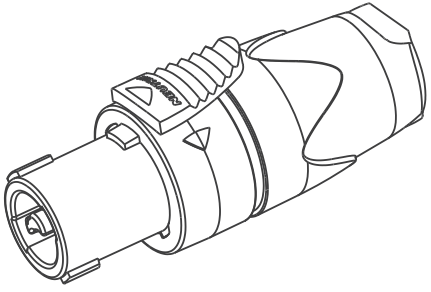
3. Connection between Dyno 1200C and Power Supply.



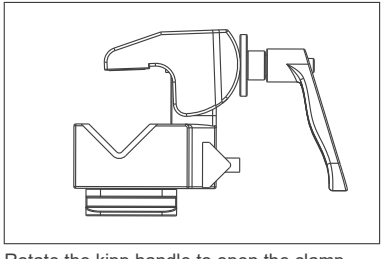
NOTE: ① When connecting the power supply, please make sure the power, voltage and frequency are consistent with the provided power supply.
② Make sure to use the provided power supply and power cable. The connecion between the DC power cable and DC IN socket on the fixture shoud be connected as following.



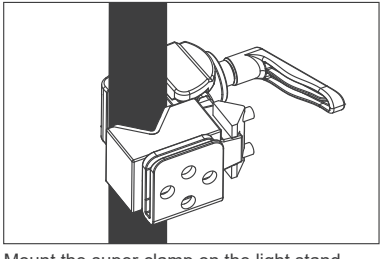




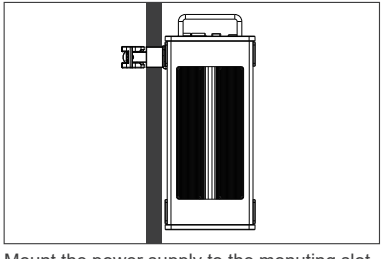
4. AS-SCH-DN Dyno Super Clamp Installation



Rotate the kipp handle to open the clamp.

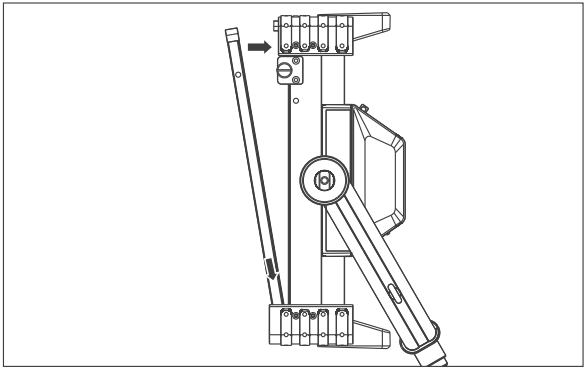


Mount the super clamp on the light stand, then rotate the kipp handle to secure the clamp on the stand.

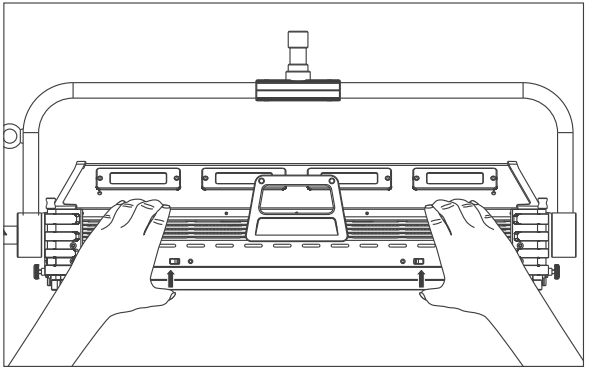


Mount the power supply to the monuting slot.

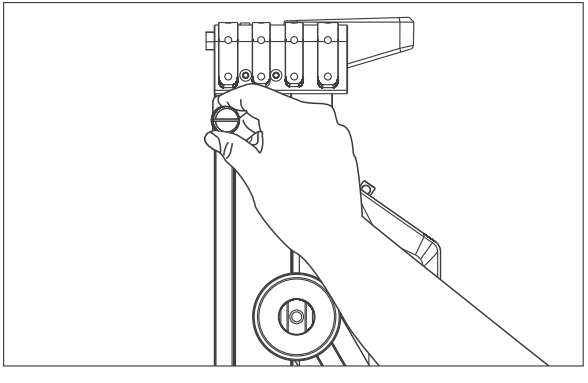
5. Diffuser Installation



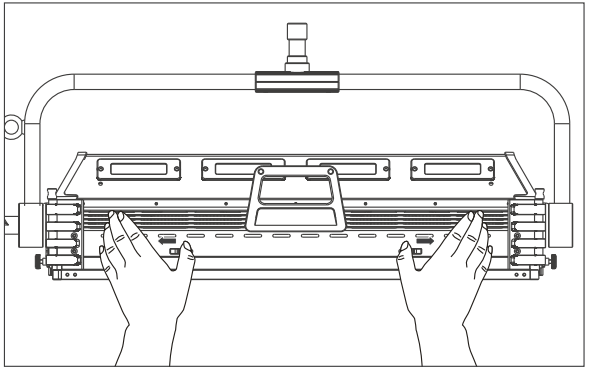
Align the diffuser with the slot on the front of the fixture.



Insert the diffuser into the slots along the lower edge of the fixture and push the upper part of the diffuser into place.



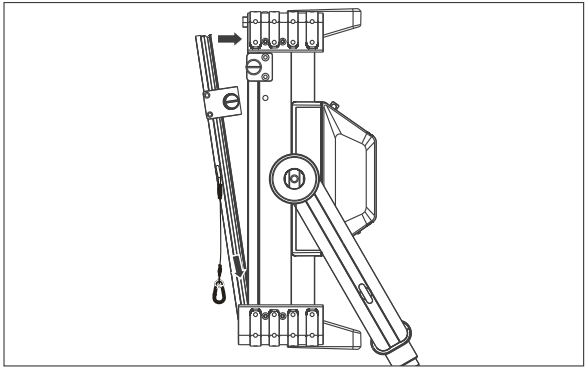
Use the screws on both sides and secure the diffsuer in place. Loosen the fastening screws on both sides before removing the diffuser.



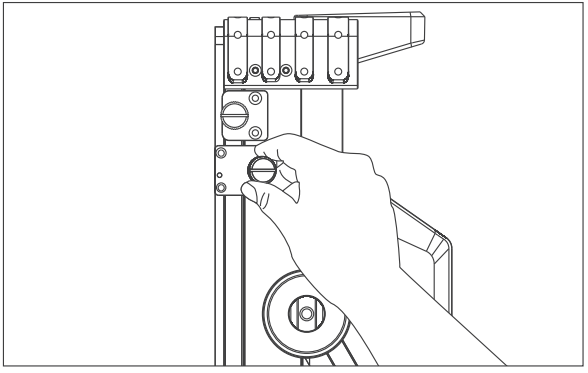
Toggle the lock catch according to the direction indicated by the lock on the fixture, the diffuser will pop up to allow removal from the fixture.

6. Barndoor Installation

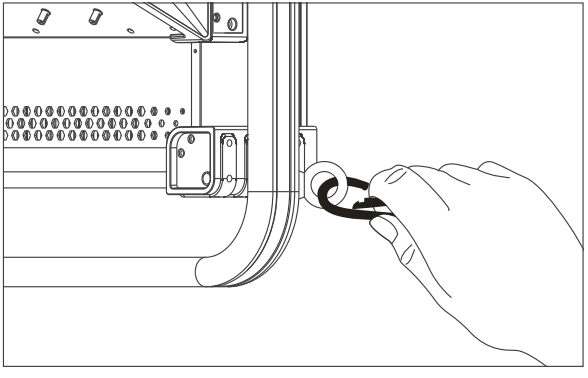
NOTE: Barndoor is sold separatly.



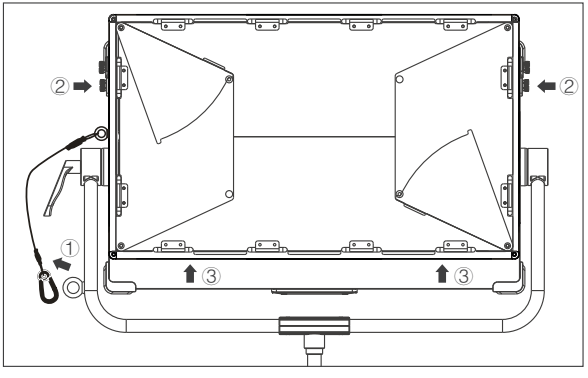
Align the barndoor with the slot on the front of the fixture.



Rotate the screws on both sides then attach the barndoor to the light fixture.

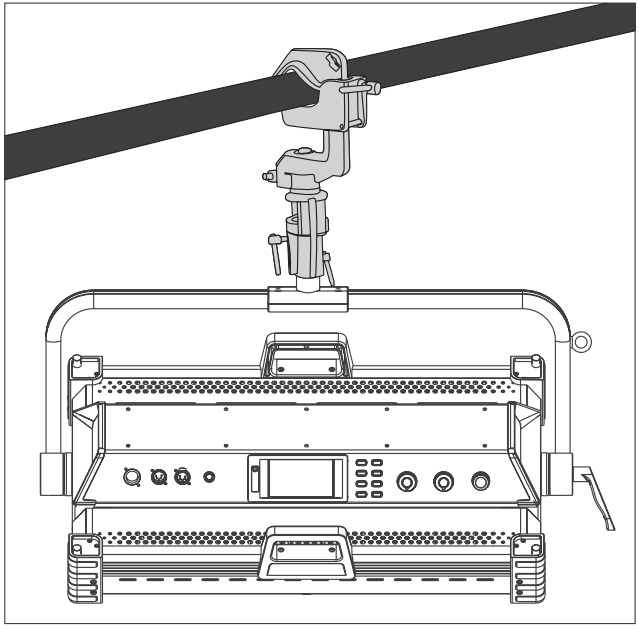


Attach the safety rope on the safety cable ring on the fixture.

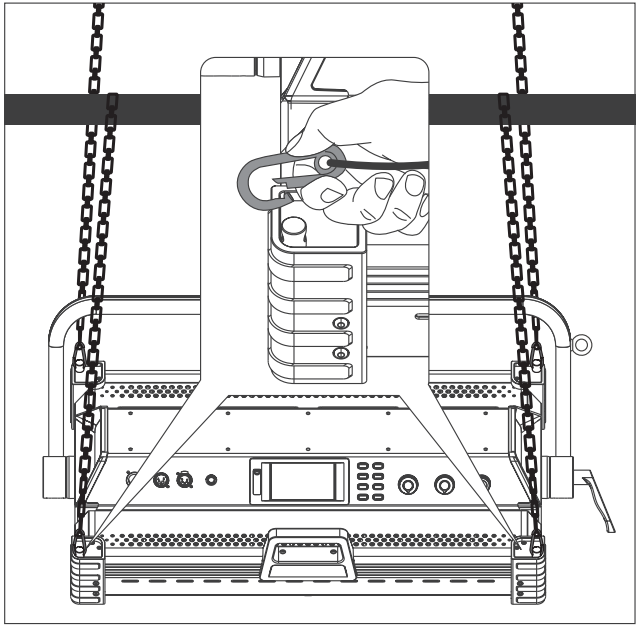


When removing the barndoor, first remove the safety rope, then loosen the screws on both sides and remove the barndoor from the fixture.

7. Hanging Options



Using the yoke.



Using the rigging points.

· NOTE: Always ensure that all rigging points are secureley attached when hanging fixtures.

Remote Control

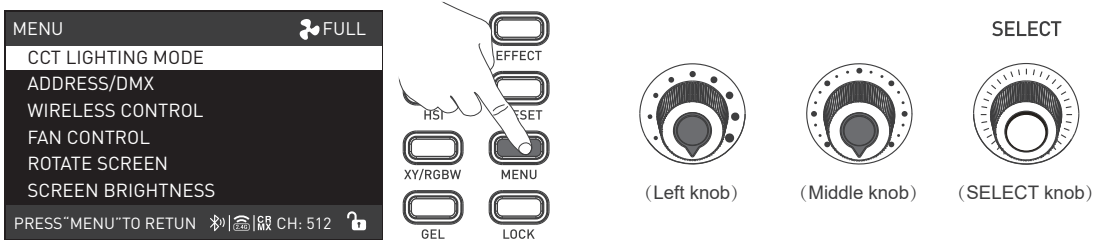
· Dyno 650C/Dyno 1200C supports remote control via DMX/RDM, 2.4G and LumenRadio, and includes a built-in Bluetooth module as well.

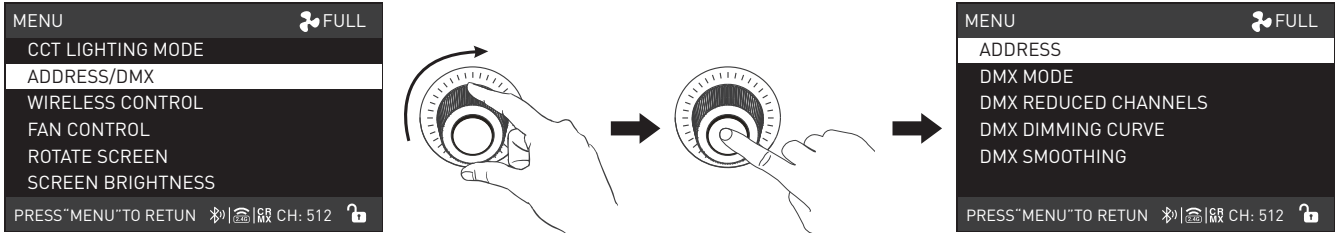
▲The ADDRESS needs to be set before operating the remote control via DMX/RDM, 2.4G and LumenRadio.

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

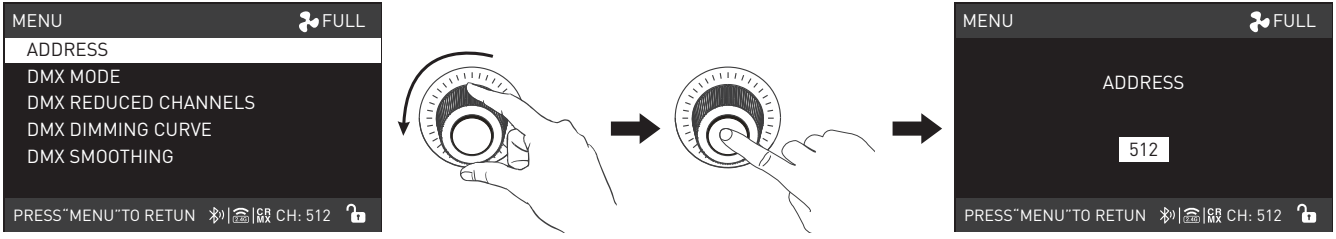
① ADDRESS

Press MENU button to access options.

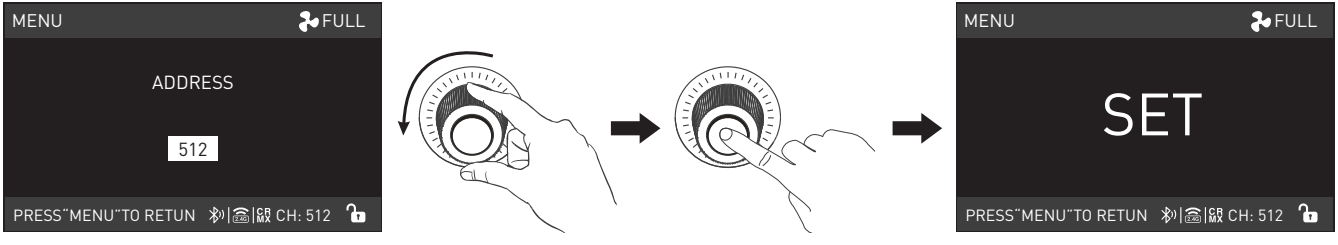




Rotate "SELECT knob" to ADDRESS/DMX, press "SELECT knob" to enter the correspoding secondary menu.



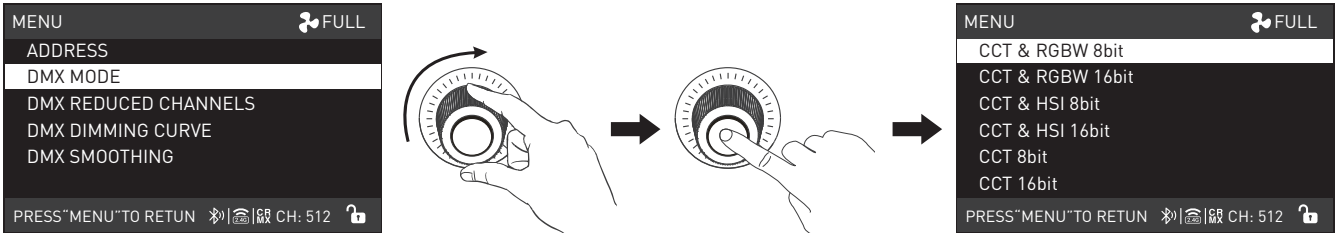
Rotate "SELECT knob" to ADDRESS, press "SELECT knob" to enter correspoding tertiary menu.



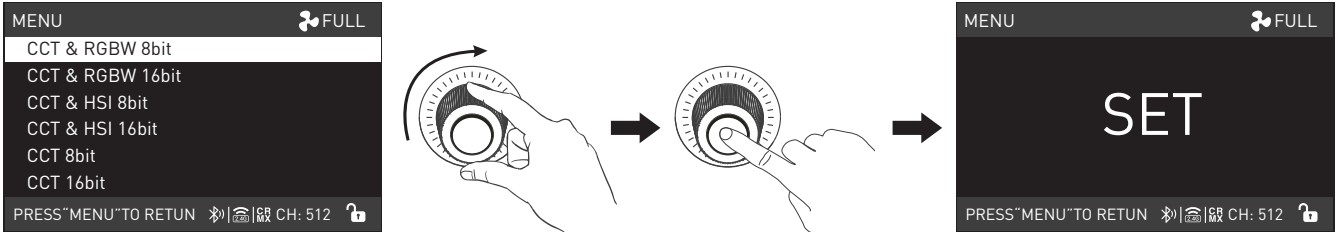
Rotate "SELECT knob" to select the desired ADDRESS number and press the "SELECT knob" to set.

NOTE: Dyno 650C/Dyno 1200C has 22 channels, for multiple lights remote control via DMX/RDM, 2.4G and LumenRadio, the address of the first light should be set to 001, the second one to 023, the third one to 045, and so on.

② DMX MODE

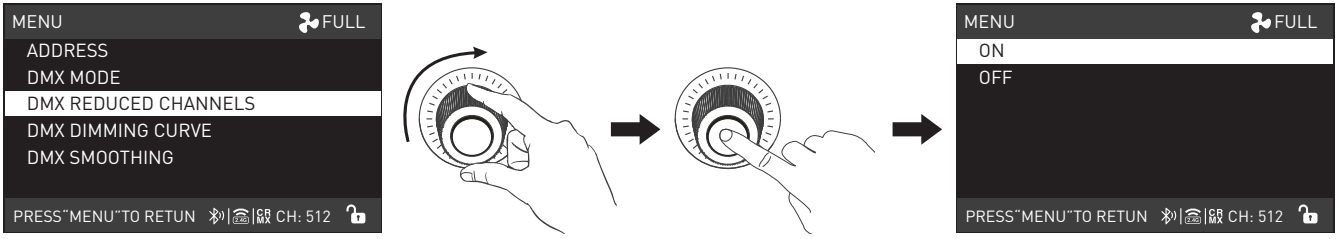


Rotate "SELECT knob" to DMX MODE and press "SELECT knob" to enter the correspoding tertiary menu.

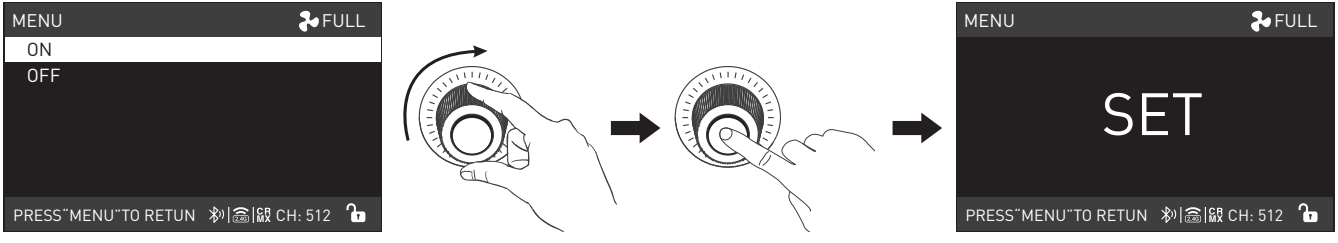


Rotate "SELECT knob" to select the correspoding DMX mode and press "SELECT knob" to set.

③ DMX REDUCED CHANNELS

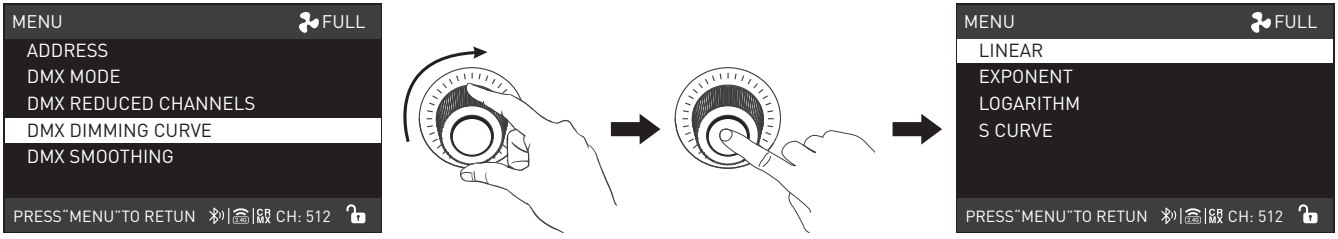


Rotate "SELECT knob" to DMX REDUCED CHANNELS, and press "SELECT knob" to enter the correspoding tertiary menu.

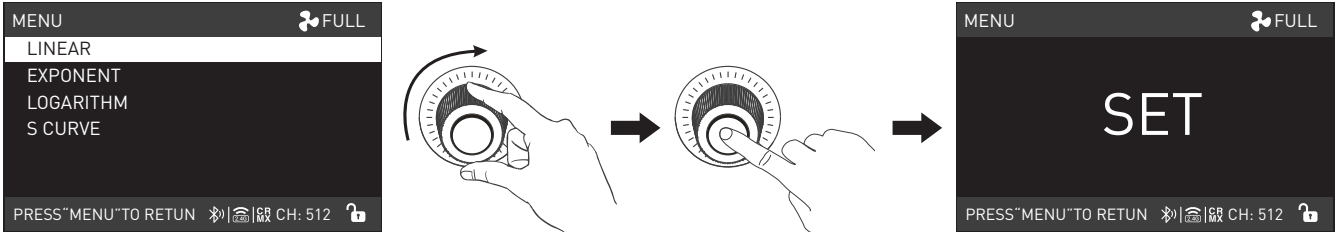


Rotate "SELECT knob" to select ON or OFF and press "SELECT knob" to set.

④ DMX DIMMING CURVE

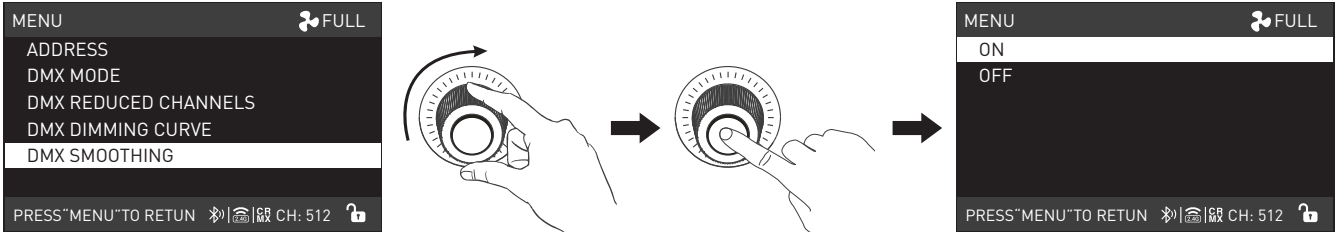


Rotate "SELECT knob" to DMX DIMMING CURVE and press "SELECT knob" to enter the correspoding tertiary menu.

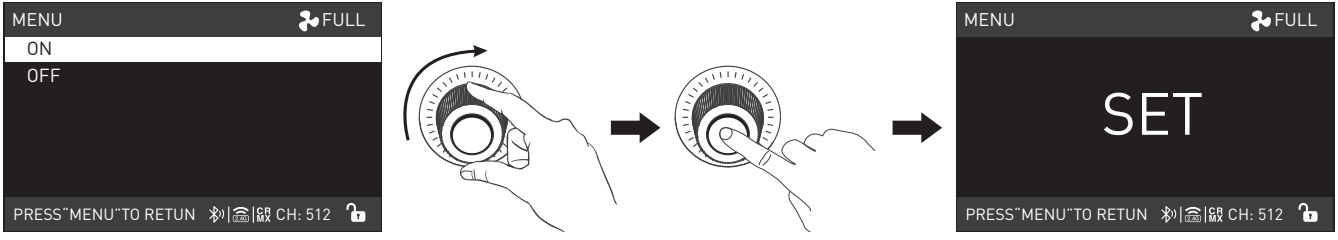


Rotate "SELECT knob" to select LINEAR, EXPONENT, LOGARITHM or S CURVE, and press "SELECT knob" to set.

⑤ DMX SMOOTHING



Rotate "SELECT knob" to DMX SMOOTHING and press "SELECT knob" to enter the corresponding tertiary menu.



Rotate "SELECT knob" to select ON or OFF and press "SELECT knob" to set.

2. DMX Remote Control

① Connect the light fixture and the DMX512 console by connection cable and the method is as below.



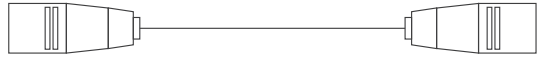
· The connection between the light fixture and DMX512 console, light fixture and light fixture should use five core shielded cable and make sure its diameter is not less than 0.3mm. XLR plug/socket and the wire should be connected as the picture aboved.

· Pin1, Pin2, Pin3 for connecting DMX singal, Pin4, Pin5 is connectionless.

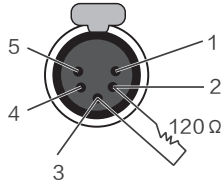
▲NOTE: When connect with socket, make sure the internal pin not be in contact with the inner case.The fixture can match the DMX512 (1990) control signal.

· Plug of five-core and three-core XLR plug/socket conversion.
The fixture comes with five-core XLR plug. If you use the three-core XLR plug, kindly follow below instruction.

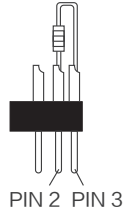
Five Pin	Three Pin
Pin 1: GND(SCREEN) Pin 2: Signal(-) Pin 3: Signal(+) Pin 4: N/C Pin 5: N/C	Pin 1: GND(SCREEN) Pin 2: Signal(-) Pin 3: Signal(+)



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.



③ Set the address of the fixtutre.

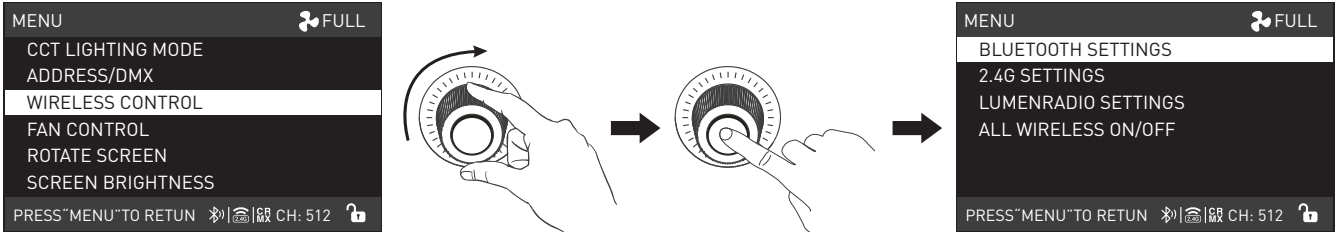
④ Refer to the attached DMX channel list and control the light via DMX512 console.
(For specific operation methods, please refer to the DMX512 console operation manual.)

Note: DMX channel list 《Dyno 650C/Dyno 1200C DMX REFERENCE GUIDE》 please download it from www.nanlux.com.

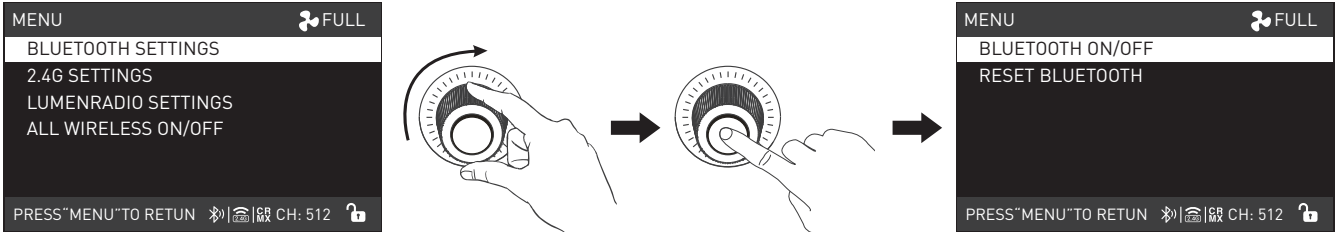
3.WIRELESS CONTROL

① BLUETOOTH SETTINGS

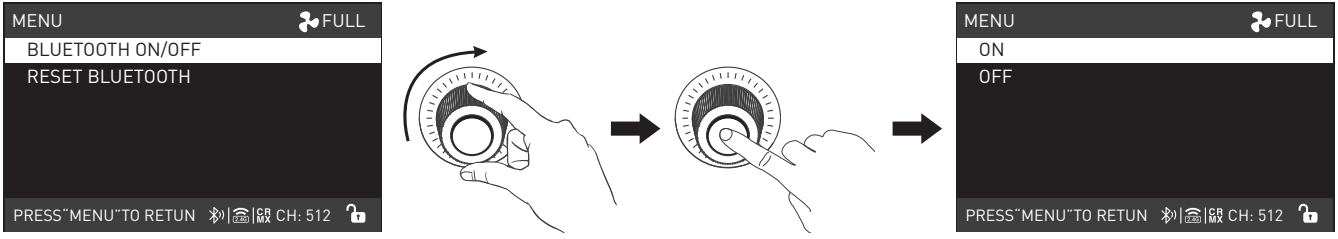
Dyno 650C/Dyno 1200C has built-in Bluetooth module, so it can be controlled via Bluetooth connection.



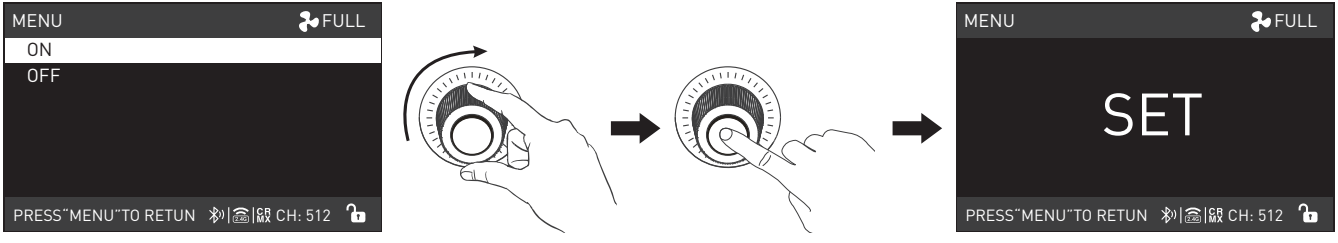
Rotate "SELECT knob" to WIRELESS CONTROL, and press "SELECT knob" to enter the corresponding secondary menu.



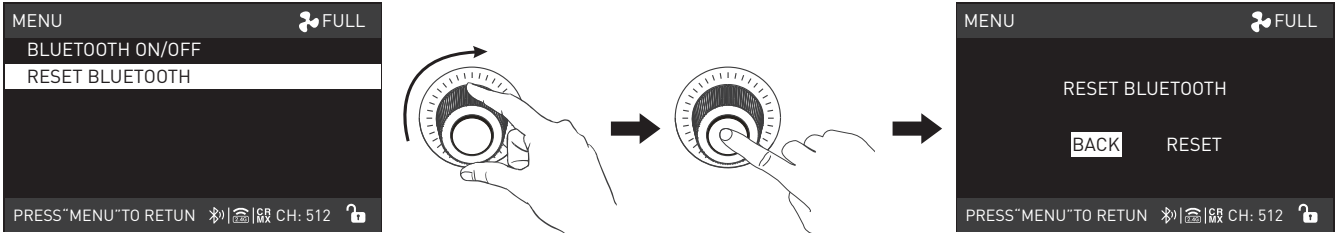
Rotate "SELECT knob" to BLUETOOTH SETTINGS, and press "SELECT knob" to enter the corresponding tertiary menu.



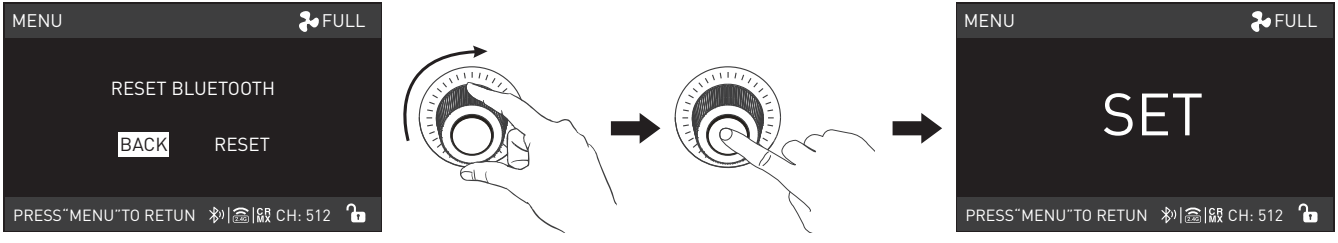
Rotate "SELECT knob" to BLUETOOTH ON/OFF, and press "SELECT knob" to enter the corresponding next level menu.



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



Rotate "SELECT knob" to RESET BLUETOOTH, and press "SELECT knob" to enter the corresponding next level menu.



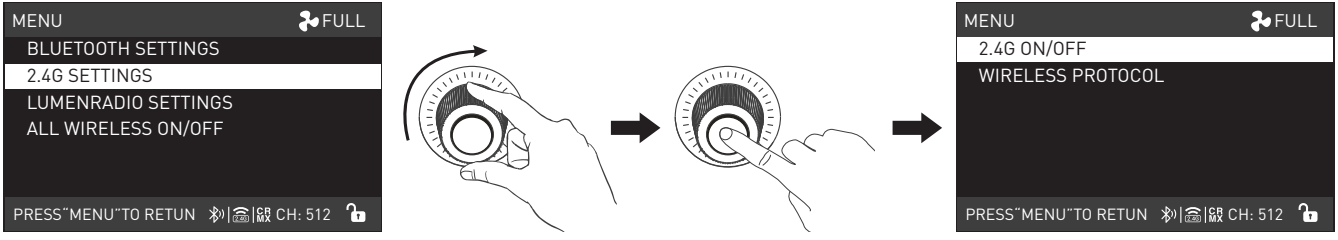
Rotate "SELECT knob" to select RESET, and press "SELECT knob" to set.

② 2.4G SETTINGS

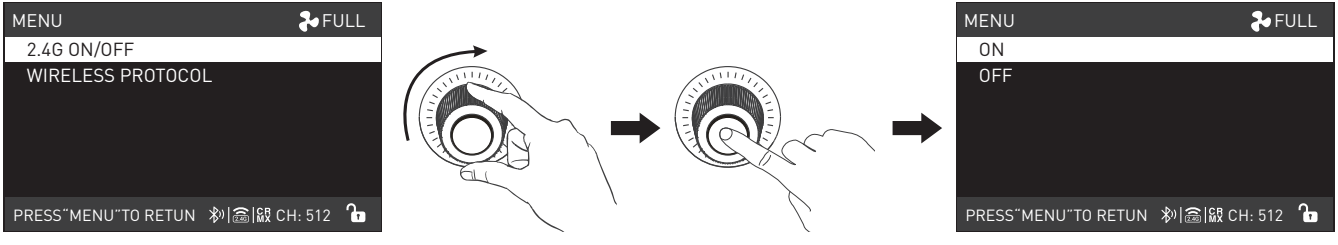
Dyno 650C/Dyno 1200C can be remotely controlled by 2.4G remote controller or NANLINK transmitter box.

Note: (1) 2.4G remote controller and NANLINK transmitter box are sold separately.

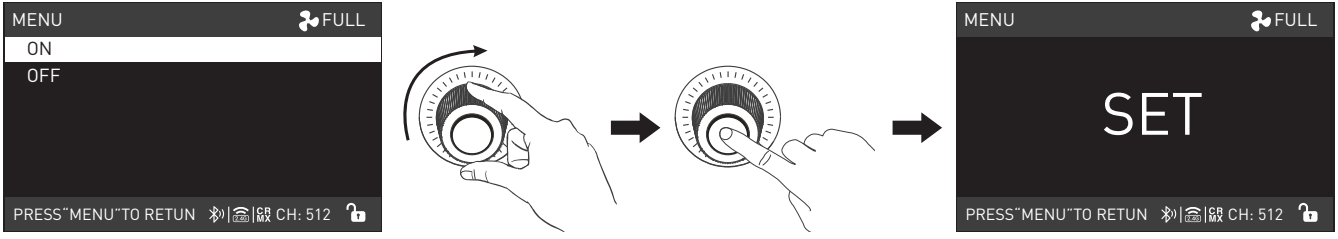
(2) The fixture supports the 2.4G wireless protocol V1.0 and V2.0. The fixture should be set in V2.0 while using WS-RC-C2 remote controller, set in V1.0 while using other remote controllers.



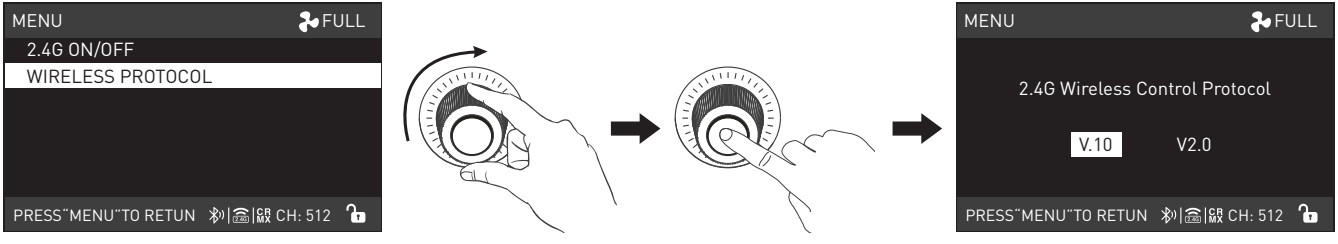
Rotate "SELECT knob" to 2.4G SETTINGS, and press "SELECT knob" to enter the corresponding tertiary menu.



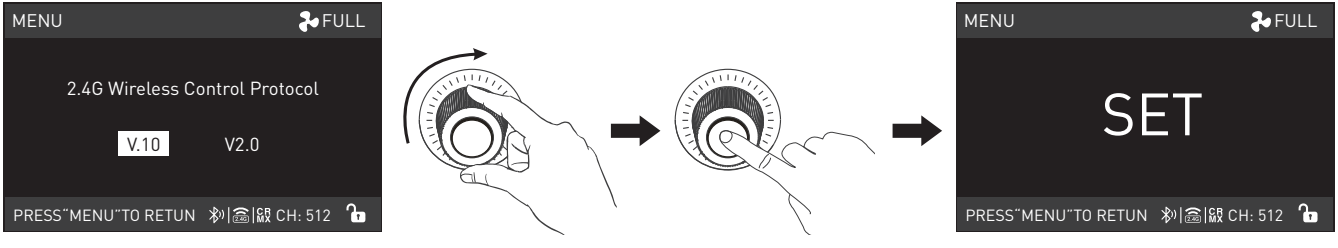
Rotate "SELECT knob" to 2.4G ON/OFF, and press "SELECT knob" to enter the corresponding next level menu.



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



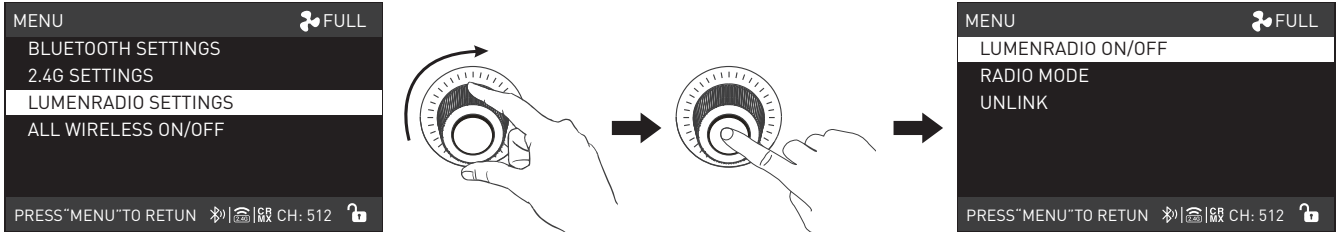
Rotate "SELECT knob" to WIRELESS PROTOCOL, and press "SELECT knob" to enter the corresponding next level menu.



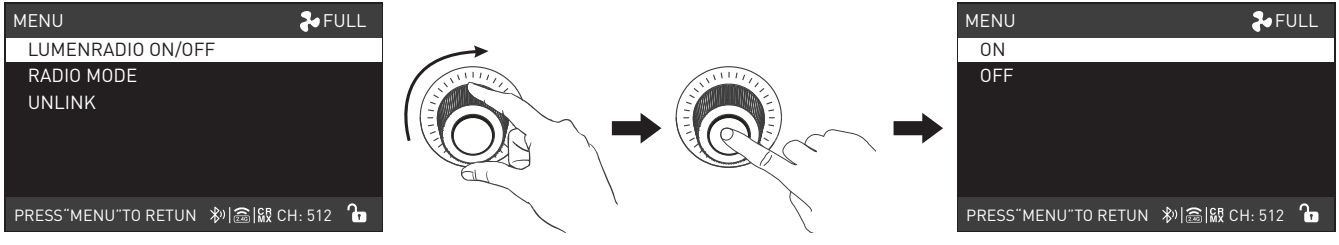
Rotate "SELECT knob" to select V1.0 or V2.0, and press "SELECT knob" to set.

③ LUMENRADIO SETTINGS

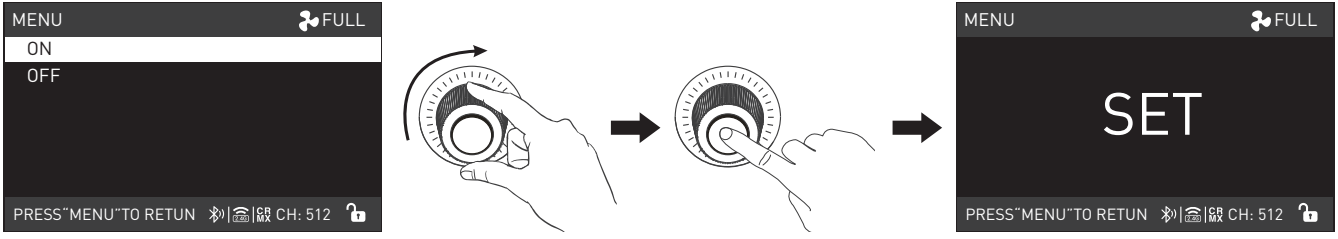
Dyno 650C/Dyno 1200C has built-in CRMX TIMOTWO module, enabling it to receive and transmit CRMX wireless DMX signals. The specific operations are as below:



Rotate "SELECT knob" to LUMENRADIO SETTINGS, and press "SELECT knob" to enter the corresponding tertiary menu.

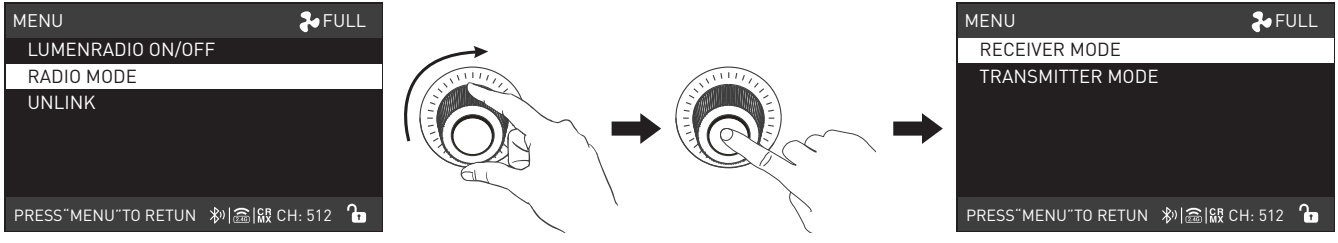


Rotate "SELECT knob" to LUMENRADIO ON/OFF, and press "SELECT knob" to enter the corresponding next level menu.

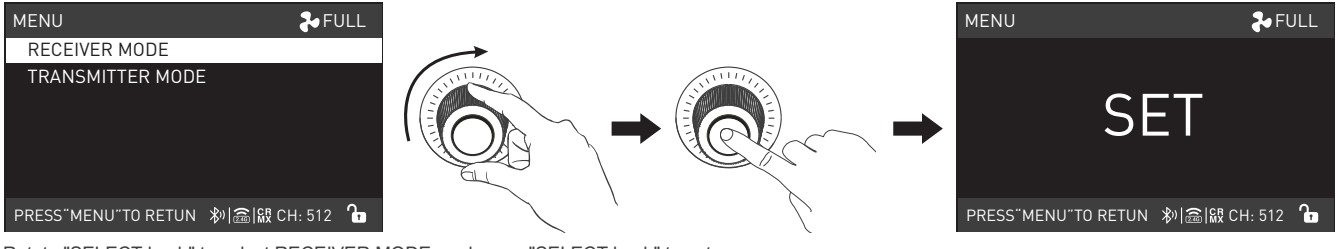


Rotate "SELECT knob" to select ON or OFF, and press "SELECT knob" to set.
CRMX wireless DMX signals can be received and transmitted when the LUMENRADIO is on.

(1) RECEIVER MODE (RATIO MODE Setting)

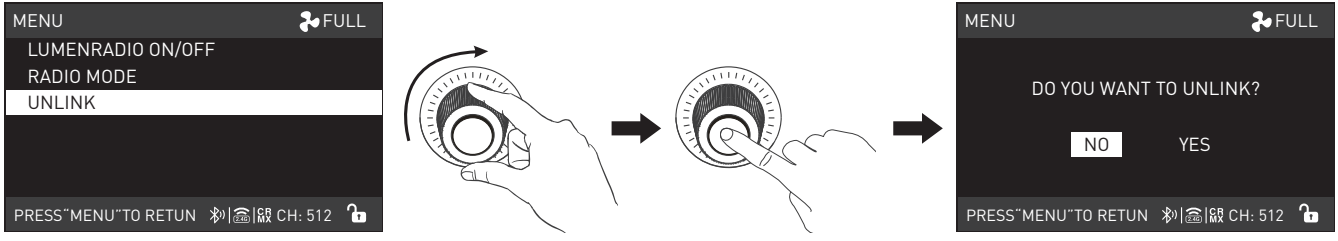


Rotate "SELECT knob" to RADIO MODE, and press "SELECT knob" to enter the next level menu.

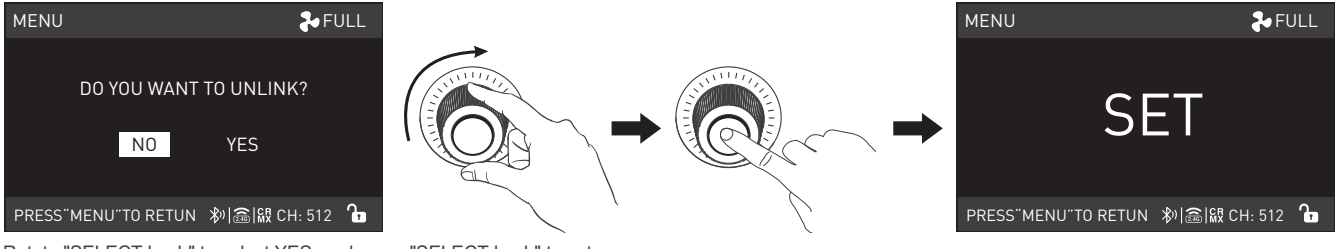


Rotate "SELECT knob" to select RECEIVER MODE, and press "SELECT knob" to set.

UNLINK Setting



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



Rotate "SELECT knob" to select YES, and press "SELECT knob" to set.

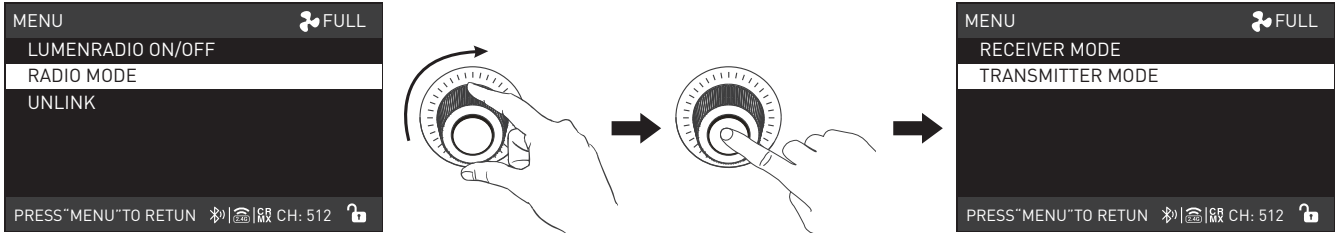
Please refer to P28 of this manual or CRMX wireless DMX transmitter manual, to connect the fixture set in TRANSMITTER MODE or CRMX wireless DMX transmitter with the fixture set in RECEIVER MODE, the fixture will be able to receive CRMX wireless DMX signals for remote control.

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

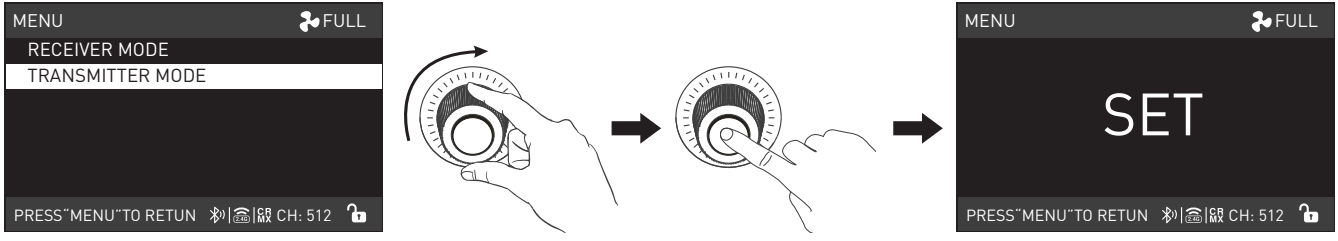
(2) In RECEIVER MODE, the LUMENRADIO SETTINGS should be set to UNLINK to allow it to be reconnected to the new fixtures or transmitters.

(2) TRANSMITTER MODE

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

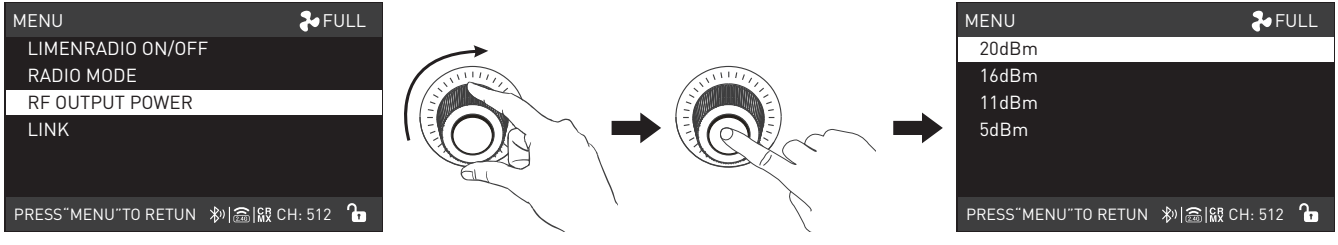


Rotate "SELECT knob" to RADIO MODE, and press "SELECT knob" to enter the next level menu.

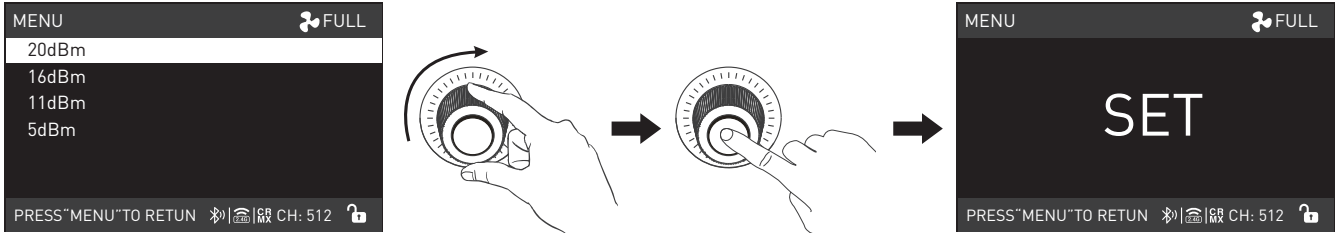


Rotate "SELECT knob" to select TRANSMITTER MODE and press "SELECT knob" to set.

The RF OUTPUT POWER can be set when the fixture is in TRANSMITTER MODE, the setting method is as below:



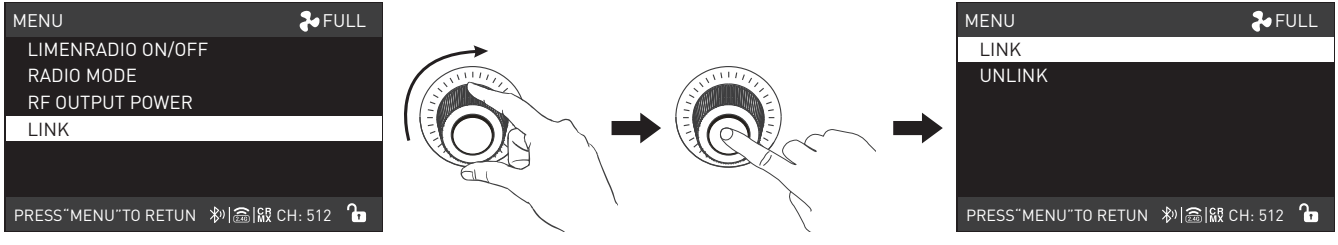
Rotate "SELECT knob" to RF OUTPUT POWER, and press "SELECT knob" to enter the next level menu.



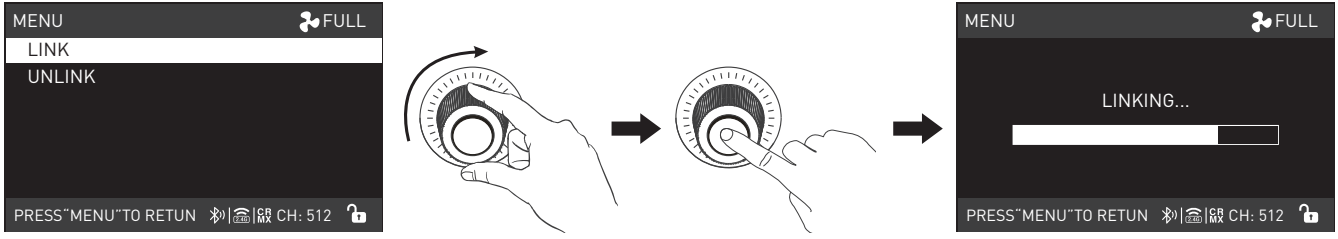
Rotate "SELECT knob" to select 20dBm, 16dBm, 11dBm or 5dBm, and press "SELECT knob" to set.

(3) Set other fixtures that need to receive CRMX wireless DMX signals to RECEIVER MODE and set to UNLINK. (For setting method, please refer to P25.)
Note: The controlling range of Nanlink Bluetooth and 2.4G remote control will be shortened when set to TRANSMITTER MODE.

(4) Connect 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 "SELECT knob" to LINK, and press "SELECT knob" to enter the next level menu.

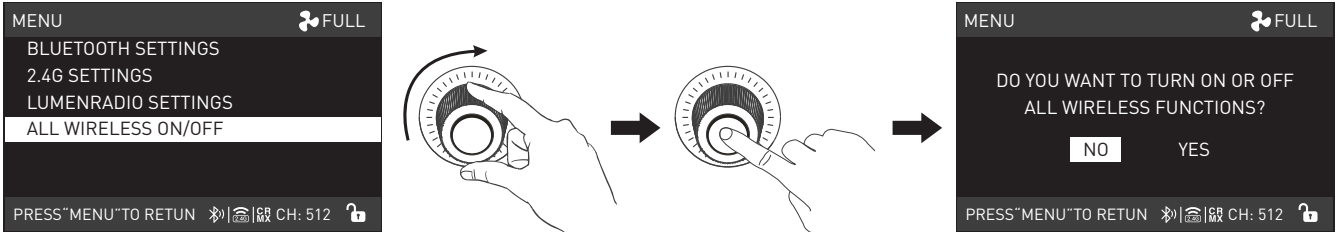


Rotate "SELECT knob" to select LINK, and press "SELECT knob" to set.

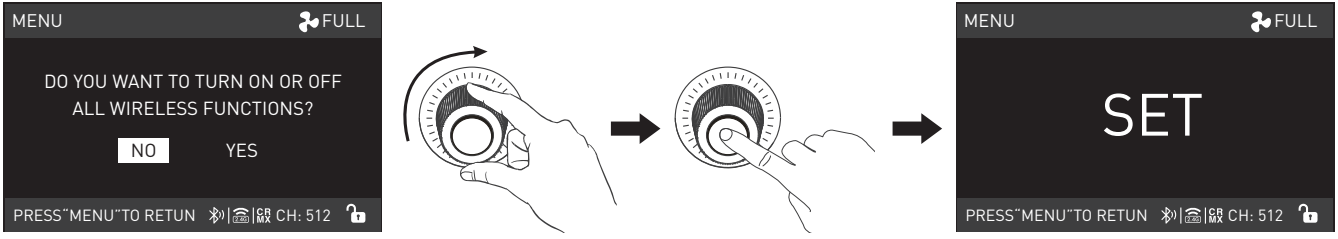
(5) UNLINK Setting

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 in P26.

④ ALL WIRELESS ON/OFF



Rotate "SELECT knob" to ALL WIRELESS ON/OFF, and press "SELECT knob" to the corresponding tertiary menu.

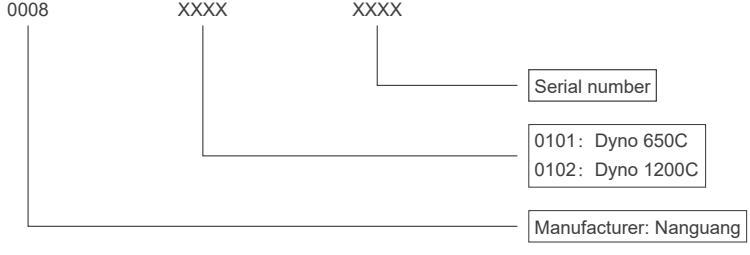


Rotate "SELECT knob" to select ON or OFF, and press "SELECT knob" to set.
When all wirelss functions are set to be on, both the Bluetooth, 2.4G and LumenRadio settings will be in the ON state.

4. RDM Control

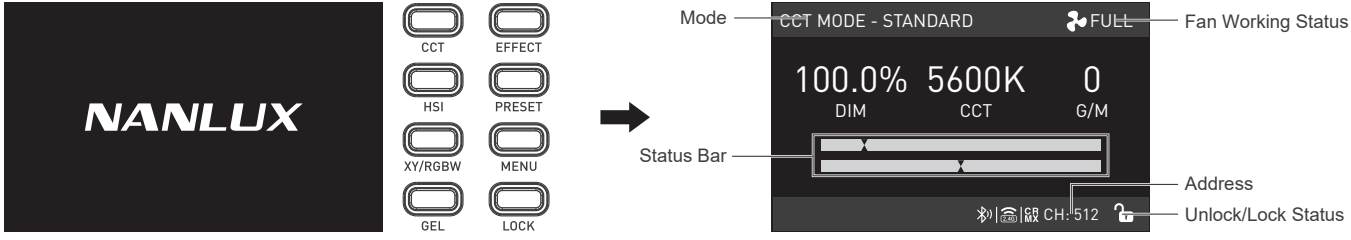
① Connect the fixture to the console with RDM function, the connecting method is the same as that of DMX 512 console.
② Set the address code of the RDM console to be the same as the fixture.
③ Control the fixture via a console with RDM function. (For specific operation instruction, please refer to the RDM console operation manual.)

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

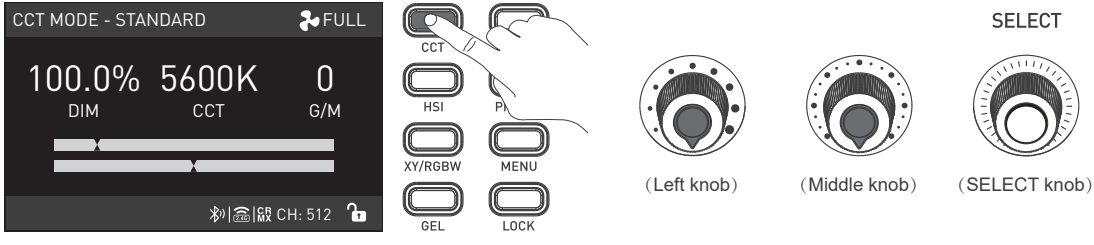


Operating Instructions

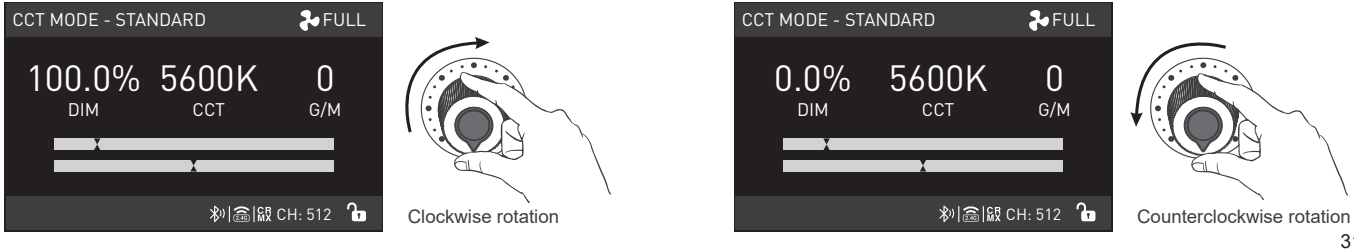
1. Make sure the power switch on the fxture is in the off positon, then connect the fixture to the adapter with power cable. When turned on, the screen will first display“NANLUX", that means the power is active.



2. CCT Key: Press the CCT key to enter the operation interface of the CCT mode. CCT mode has two modes: Standard mode and Boost mode. (See the menu instruction for detail of switching two modes.)

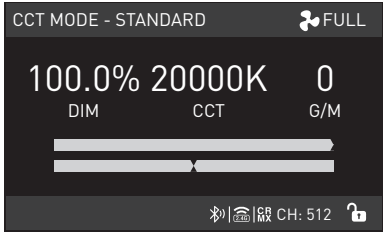


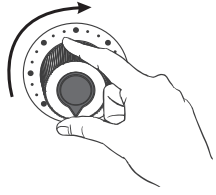
① Brightness setting, rotate “DIM knob”, clockwise to increase brightness while counterclockwise to reduce brightness, brightness shows the percentage of brightness on the display, the brightness range is from 0.0%-100.0%.



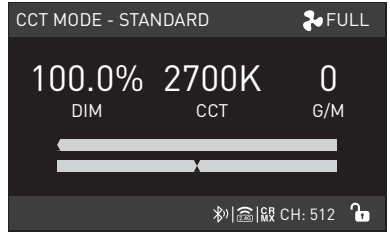
Note: In other modes, the brightness adjustment range is the same as in CCT mode. When the fixture function is unlock, in any mode, press the “DIM knob”, the light is off, the brightness percentage on the display is 0.0% , press again, the fixture restores the previous status, press continuously to switch brightness betweeen on and off.

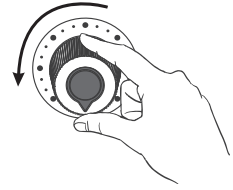
② CCT setting, rotate“middle knob', clockwise to increase the value of CCT while counterclockwise to reduce the value of CCT, the screen displays the value of CCT and the corresponding CCT status bar.





Clockwise rotation



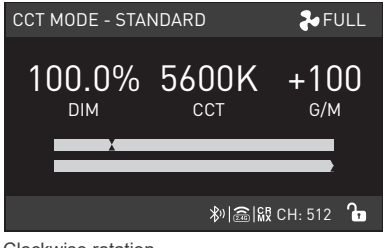


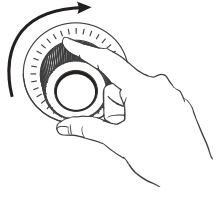
Counterclockwise rotation

Notes: (1) In standard mode, the CCT adjustment range is 2700K-20000K, press“middle knob” to quickly adjust the color temperature in sequence: 2700K, 3200K, 4300K, 5600K, 6500K, 7500K, 8500K, 10000K, 12000K, 14000K, 16000K, 18000K, 20000K, press continuously to adjust circularly.

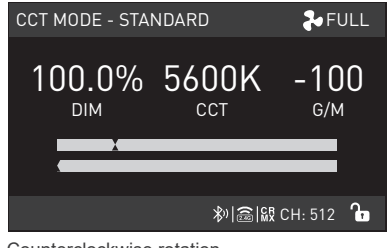
(2) In boost mode, the CCT adjustment range is 2700K-7500K, press “middle knob” to quickly adjust the color temperature in sequence: 2700K, 3200K, 4300K, 5600K, 6500K, 7500K, press continuously to adjust circularly.

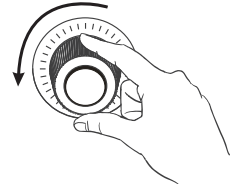
③ G/M setting, rotate "SELECT knob" , clockwise to increase the value of G/M while counterclockwise to reduce the value of G/M, the screen displays the value of G/M and the corresponding G/M status bar. The G/M range is from -100 to +100.





Clockwise rotation



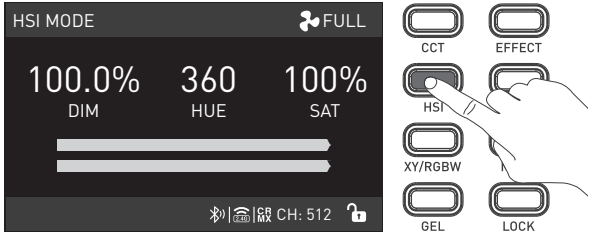


Counterclockwise rotation

Notes: (1) In other modes, G/M adjustment range is the same as in CCT mode.

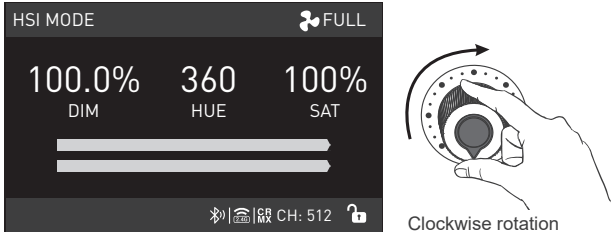
(2) In CCT mode, press "SELECT knob" to reset its G/M value to 0.

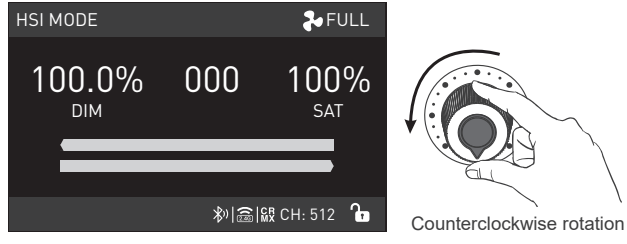
3. HSI Key: Press HSI Key to enter the operation interface of HSI mode.





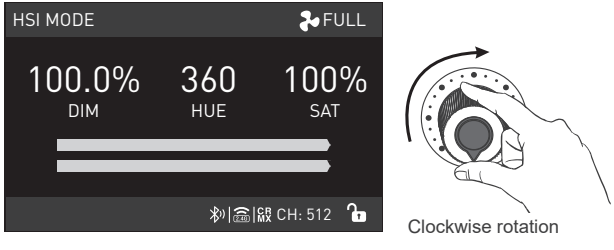
① HSI setting, rotate “middle knob”, clockwise to increase the value of HSI while counterclockwise to reduce the value of HSI, the screen displays the value of HSI and the corresponding HSI status bar. The HSI range is from 000---360, continously rotate to adjust circularly.

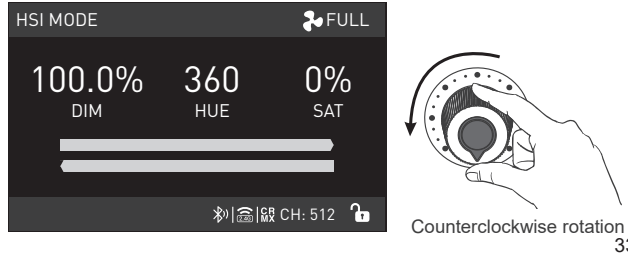




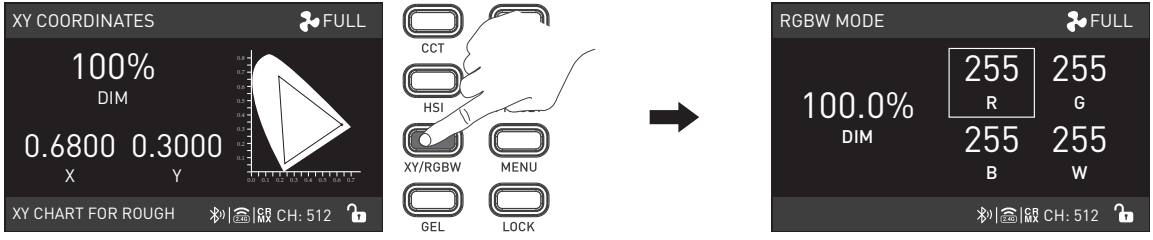
Note: (1) In other modes, the HSI range is the same as in HSI mode.
(2) In HSI mode, rotate “middle knob” to quickly and circularly adjust HSI: 060, 120, 180, 240, 300, 360.

② SAT setting, rotate SELECT, clockwise to increase the value of SAT while counterclockwise to reduce the value of SAT, the screen displays the value of SAT and the corresponding SAT status bar. The SAT adjustment range is 0%--100%. Note: In other modes, the SAT range is the same as in HSI mode.

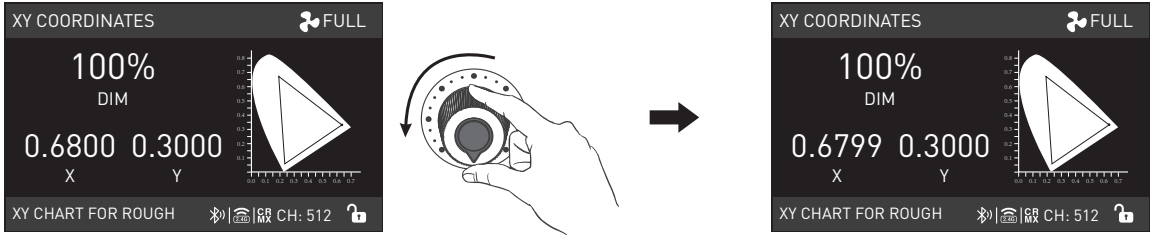




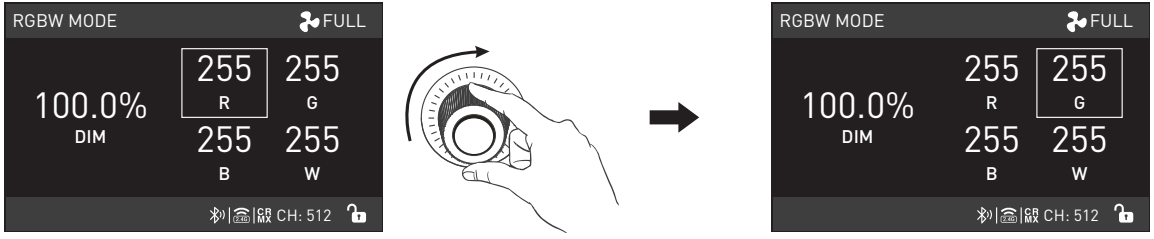
4. XY / RGBW Key: Press XY/RGBW key to defaultly enter the operation interface of XY mode. Press again to switch to the operation interface of RGBW mode.



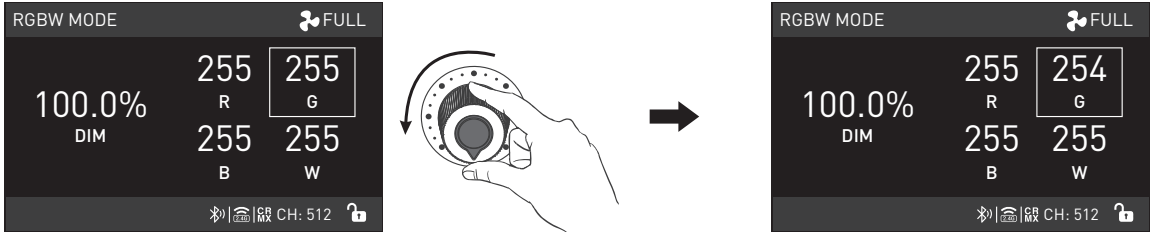
① In XY mode, rotate “ Middle knob” to adjust the value of X coordinate while rotate "SELECT knob" to adjust the value of Y coordinate. The fixture can output the lights of the corresponding color in CIE1931 chromaticity coordinate diagram by adjusting the values of XY coordinates.



② In RGBW mode, rotate "SELECT knob" to select R, G, B or W, then rotate “middle knob” to adjust the numerical proportion of R, G, B, W to color mixing.
The adjustment range of R, G, B, W is from 0-255.

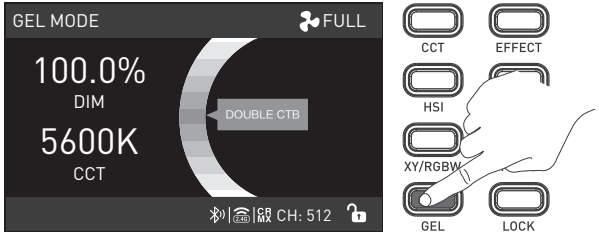


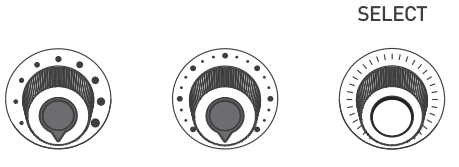
Rotate "SELECT knob" to select R, G, B or W.



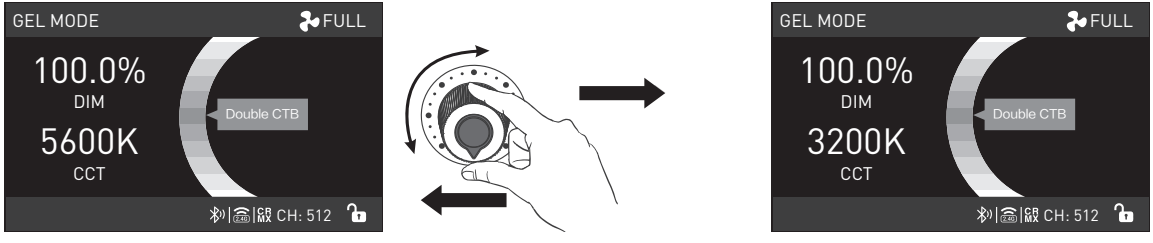
Rotate “middle knob” to adjust the numerical proportion of R, G, B, W to color mixing.

5. GEL Key: Press the GEL key to enter the operation interface of GEL mode.



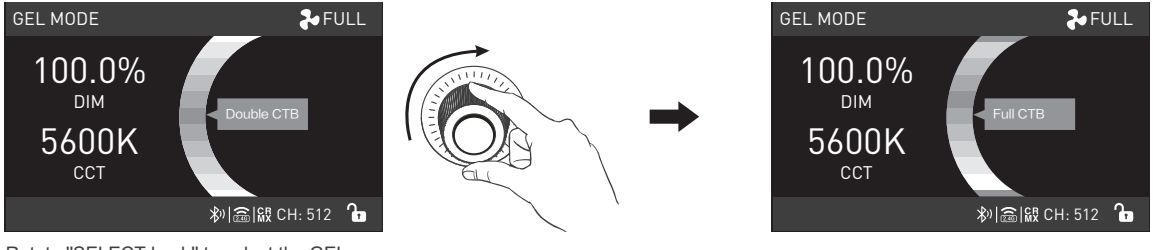


① CCT Setting: Rotate or press “middle knob” to select the value of CCT as 3200K or 5600K.



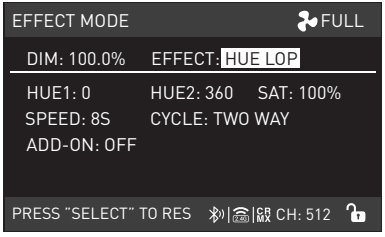
Rotate or press “middle knob” to select the value of CCT as 3200K or 5600K.

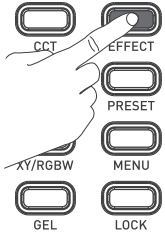
② GEL Setting: Rotate "SELECT knob" to select the GEL.

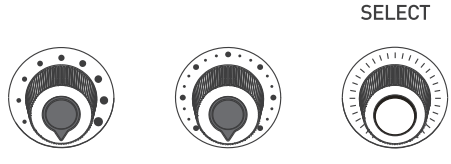


Rotate "SELECT knob" to select the GEL.

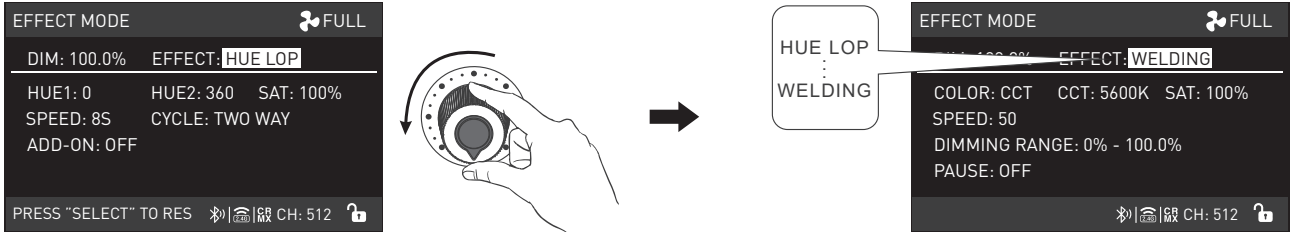
6. EFFECT Key: Press EFFECT key to enter the operation interface of EFFECT MODE.







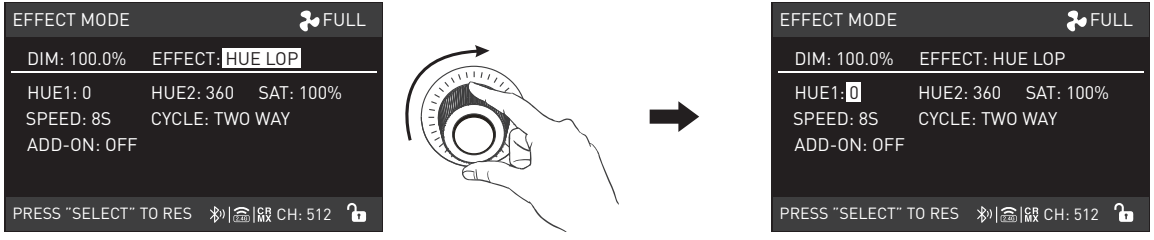
· Dyno 650C and Dyno 1200C has built-in special effects: HUE LOOP, CCT LOOP, INT LOOP, FLASH, PULSE, STORM, POLICE CAR, TV, PAPARAZZI, CANDLE/FIRE, DISCO, BAD BULB, FIREWORK, EXPLOSION, WELDING.



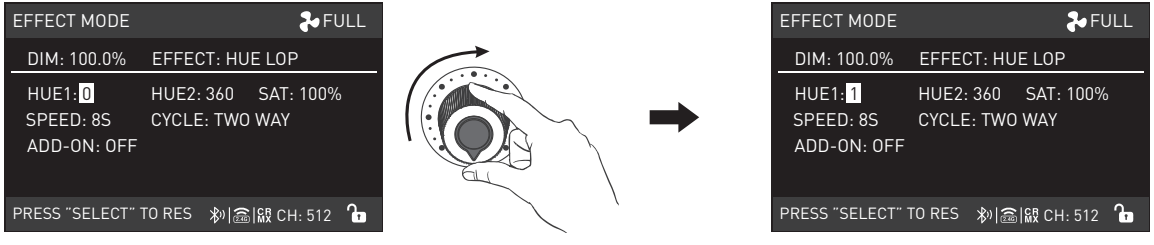
Rotate “middle knob” to select the desired special effect and the special effects can be adjusted circularly.

① HUE LOOP

HUE LOOP setting: Rotate "SELECT knob" to select HUE1, HUE2, SAT, SPEED (Range: 2S-30S), CYCLE, ADD-ON, then rotate “middle knob” to sset the parameters of the corresponding options.

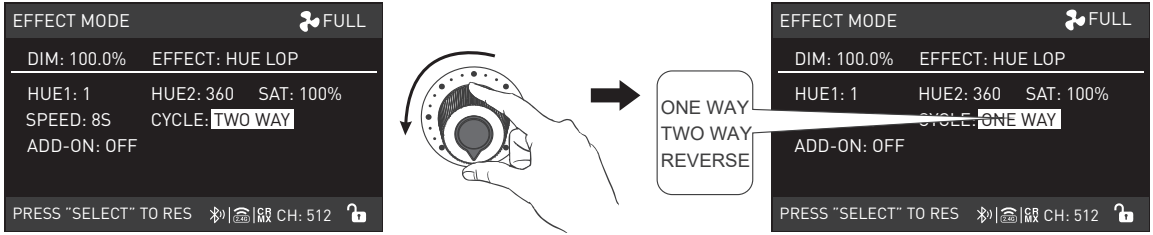


Rotate "SELECT knob" to select HUE1, HUE2, SAT, SPEED, CYCLE, ADD-ON.



Rotate “middle knob” to set the parameters of the corresponding options.

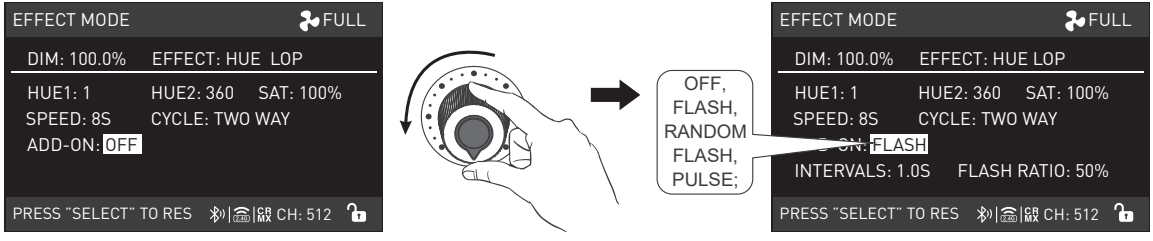
· HUE LOOP EFFECT has three cycle modes: ONE WAY, TWO WAY and REVERSE. Rotate “middle knob” to select CYCLE mode.



Rotate “middle knob” to select CYCLE mode.

Note: (1) When the CYCLE mode is ONE WAY or TWO WAY, press "SELECT knob" to restart from HUE1.
(2) When the CYCLE mode is REVERSE, press "SELECT knob" to restart from HUE2.

· HUE LOOP has four ADD-ON: OFF, FLASH, RANDOM FLASH, PULSE. Rotate “middle knob” to select ADD-ON.

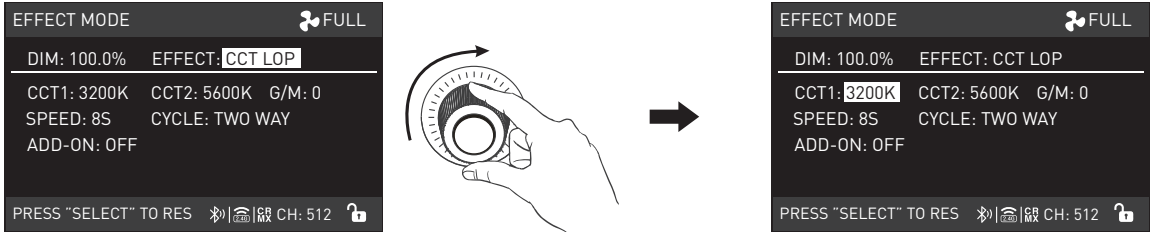


Rotate “middle knob” to select CYCLE mode.

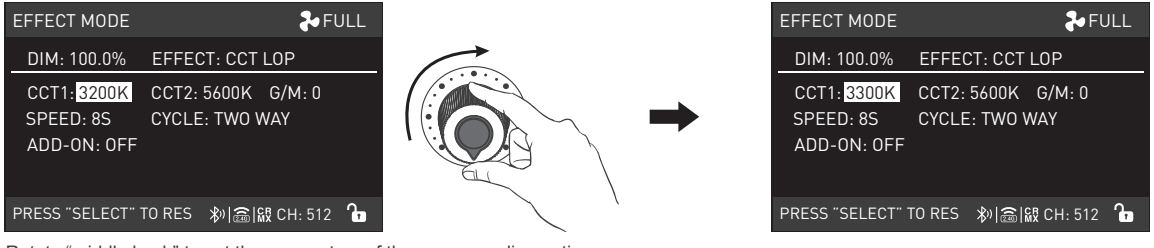
Note:
(1) When the ADD- ON is OFF, it means it only has HUE LOOP effect without any ADD-ON effect.
(2) When the ADD-ON is FLASH, it means HUE LOOP effect superimposes FLASH effect. Adjusting the value of INTERVALS and FLASH RATIO to set up FLASH effect. The INTERVALS range is from 0.1S to 10S while the FLASH RATIO range is from 0%--100%.
(3) When the ADD-ON is RANDOM FLASH, it means HUE LOOP effect superimposes FLASH effect. The FLASH effect is RANDOM FLASH and speed adjustable. The SPEED range is from 1-100.
(4) When the ADD-ON is PULSE, it means HUE LOOP effect superimposes PULSE effect. Adjusting the PULSE/MINS to set up PULSE effect. The PULSE/MIN range is from 1-240.

② CCT LOOP

CCT LOOP setting: Rotate "SELECT knob" to select CCT1 (Range: 2700K-7500K), CCT2 (Range: 2700K-7500K), G/M, SPEED (Range: 2S-30S), CYCLE, ADD-ON, then rotate “middle knob” to set the parameters of the corresponding options.



Rotate “SELECT” knob to select CCT1, CCT2, G/M, SPEED, CYCLE, ADD-ON.



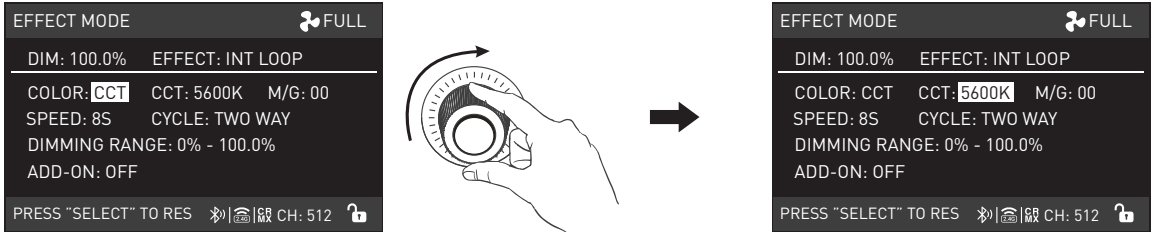
Rotate “middle knob” to set the parameters of the corresponding options.

Notes: (1) In CCT LOOP effect, the type, setting and range of CYCLE and ADD-ON are the same as in HUE LOOP effect.
(2) When the CYCLE mode is ONE WAY or TWO WAY, press “SELECT” knob to restart from CCT1.
(3) When the CYCLE mode is REVERSE, press “SELECT” knob to restart from CCT2.
(4) When setting CCT1, CCT2, press “middle knob” to quickly adjust the color temperature in sequence: 2700K, 3200K, 4300K, 5600K, 6500K, 7500K.

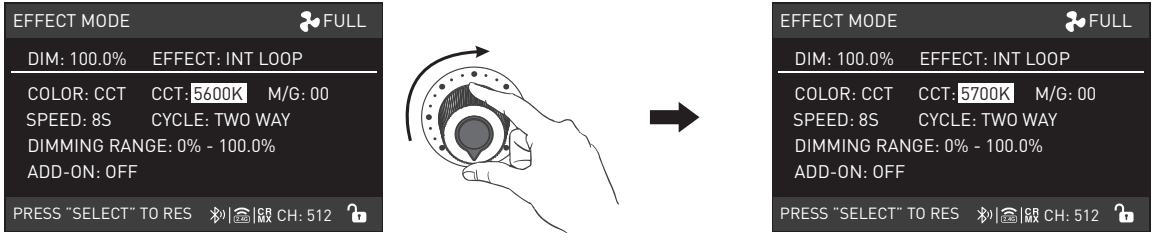
③ INT LOOP

INT LOOP setting: Rotate "SELECT knob" to select color. COLOR: CCT and HSI.

· When the COLOR is CCT, rotate "SELECT knob" to select CCT, G/M, SPEED (Range: 2S-30S), CYCLE, DIMMING RANGE, ADD-ON, then rotate “middle knob” to set the parameters of the corresponding options.



Rotate "SELECT knob" to select CCT, G/M, SPEED, CYCLE, DIMMING RANGE, ADD-ON.



Rotate “middle knob” to set the parameters of the corresponding options.

· When COLOR is HSI, rotate "SELECT knob" to select HSI, SAT, SPEED (Range: 2S-30S), CYCLE, DIMMING RANGE, ADD-ON, then rotate “middle knob” to set the parameters of the corresponding options. (Same operation as CCT)

· INT LOOP has three CYCLE modes: ONE WAY, TWO WAY and REVERSE; and has four ADD-ON: OFF, FLASH, RANDOM FLASH, PULSE.

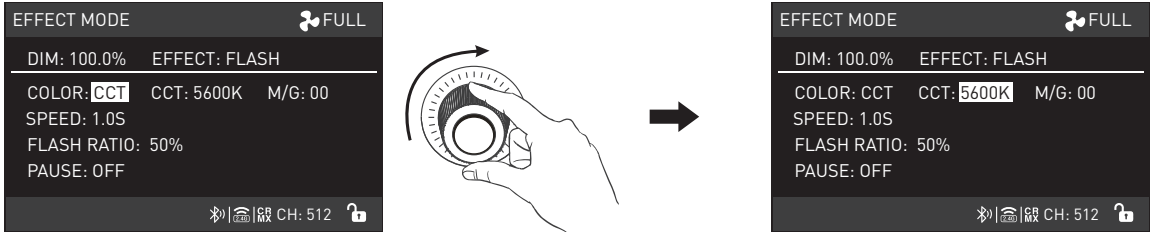
Note: (1) The operation of CYCLE mode and ADD-ON are same as the opreation of HUE LOOP effect.

(2) In INT LOOP, press "SELECT knob" to restart loop.

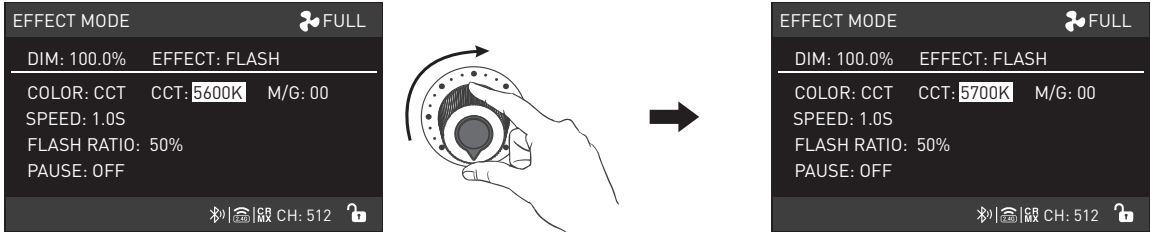
④ FLASH

FLASH setting: Rotate "SELECT knob" to select COLOR. COLOR: CCT and HSI.

· When COLOR is CCT, rotate "SELECT knob" to select CCT, G/M, INTERVALS (Range: 0.1S-10S), FLASH RATIO (Range: 0%-100%), PAUSE, then rotate “middle knob” to set the parameters of the corresponding options.



Rotate "SELECT knob" to select CCT, G/M, INTERVALS, FLASH RATIO, PAUSE.



Rotate “middle knob” to set the parameters of the corresponding options.

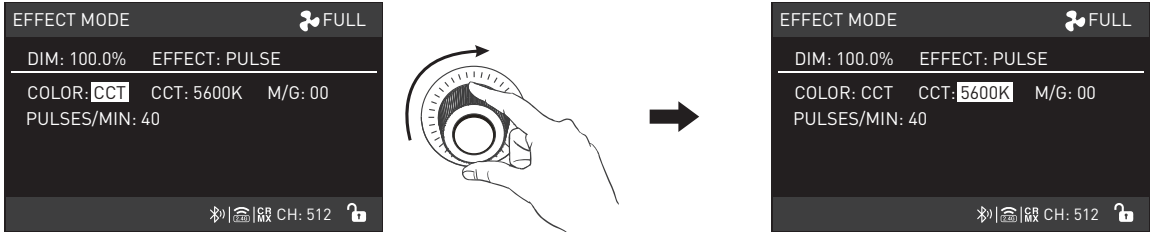
· When COLOR is HSI, rotate "SELECT knob" to select HUE, SAT, INTERVALS, FLASH RATIO, PAUSE, then rotate “middle knob” to set the parameters of the corresponding options. (Same as CCT)

Note: PAUSE has two options: ON and OFF. When PAUSE is ON, the FLASH paused.

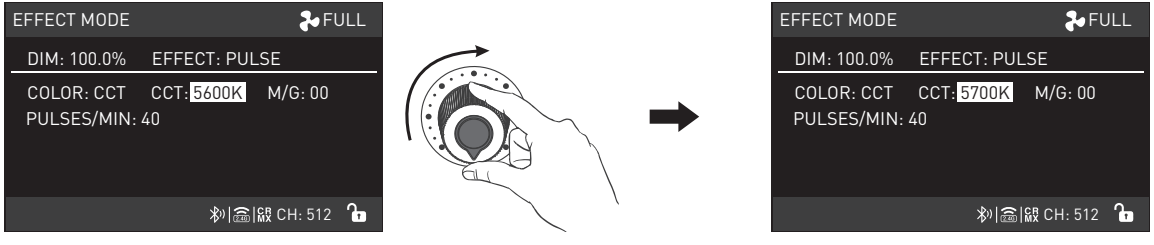
⑤ PULSE

PULSE setting: Rotate "SELECT knob" to select COLOR. COLOR: CCT and HSI.

· When COLOR is CCT, rotate "SELECT knob" to select CCT, G/M, PULSES/MIN (Range:1-240), then rotate “middle knob” to set the parameters of the corresponding options.



Rotate "SELECT knob" to select CCT, G/M, PULSES/MIN.



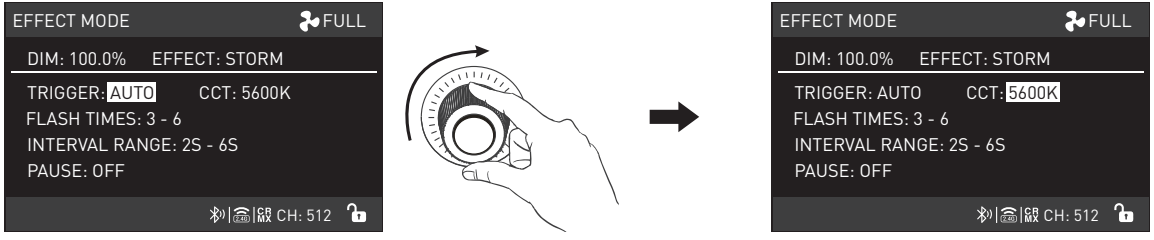
Rotate “middle knob”to set the parameters of the corresponding options.

· When the COLOR is HSI, rotate "SELECT knob" to select HUE, SAT, PULSES/MIN (Range: 1-240), then rotate “middle knob”to set the parameters of the corresponding options. (Same operation as CCT)

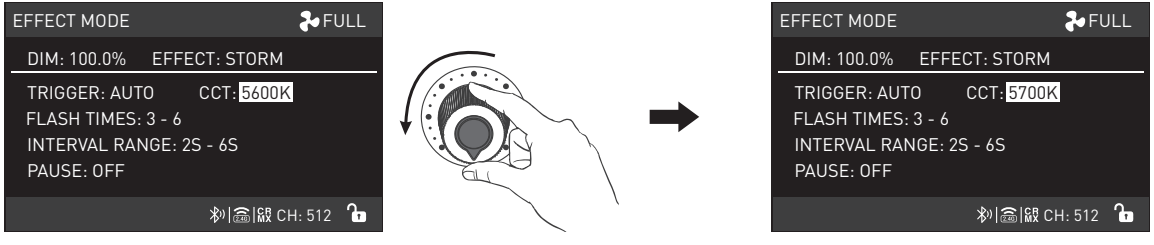
⑥ STORM

STORM setting: Rotate “SELECT” knob to select trigger. TRIGGER: AUTO and MANUAL.

· When TRIGGER is AUTO, rotate "SELECT knob" to select CCT, FLASH TIMES (Range: 1-10), INTERVAL RANGE (Range: 1S-60S), PAUSE, then rotate “middle knob” to set the parameters of the corresponding options. Note: PAUSE: ON and OFF. When PAUSE is ON, the fixture is always on.

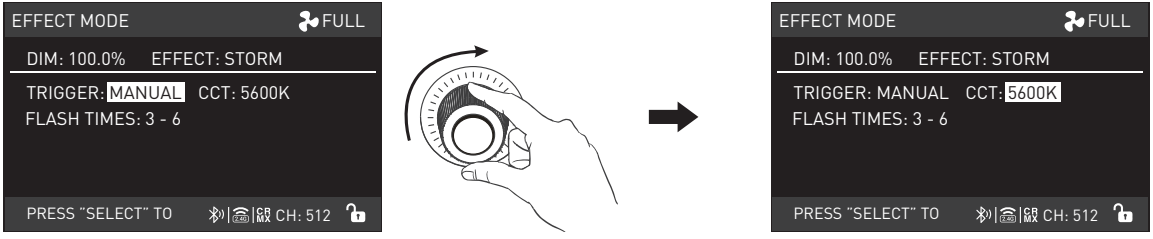


Rotate "SELECT knob" to select CCT, FLASH TIMES, INTERAVLS RANGE, PAUSE.

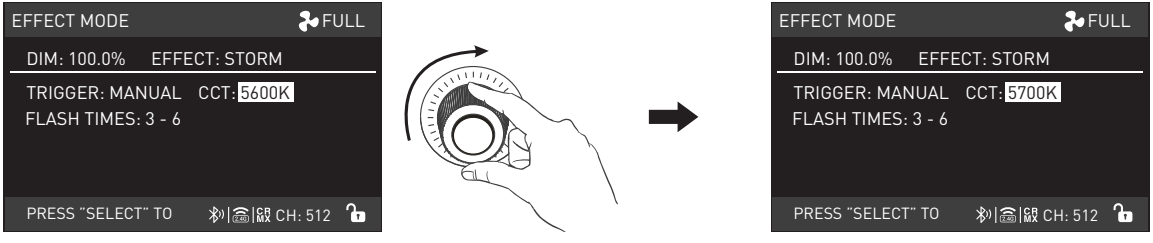


Rotate “middle knob” to set the parameters of the corresponding options.

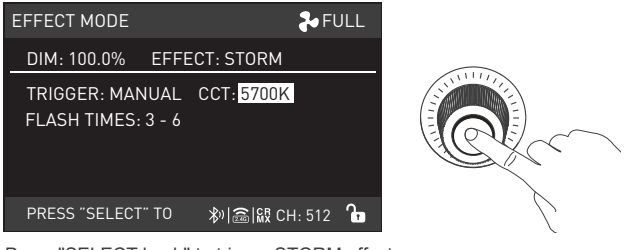
· When TRIGGER is MANUAL, Rotate "SELECT knob" to select CCT, FLASH TIMES, then rotate “middle knob” to set the parameters of the corresponding options. Press "SELECT knob" to trigger STORM effect.



Rotate "SELECT knob" to select CCT, FLASH TIMES.



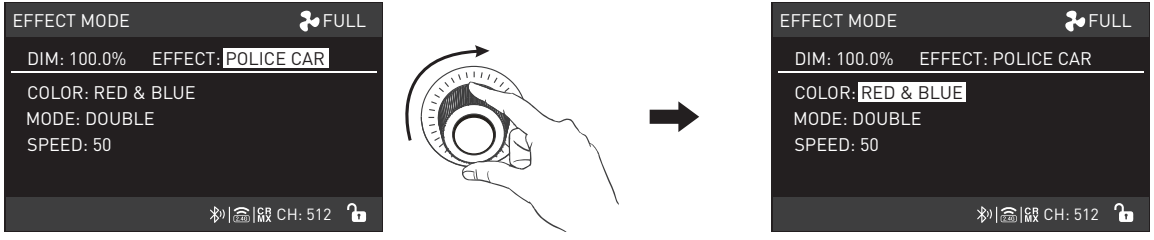
Rotate “middle knob” to set the parameters of the corresponding options.



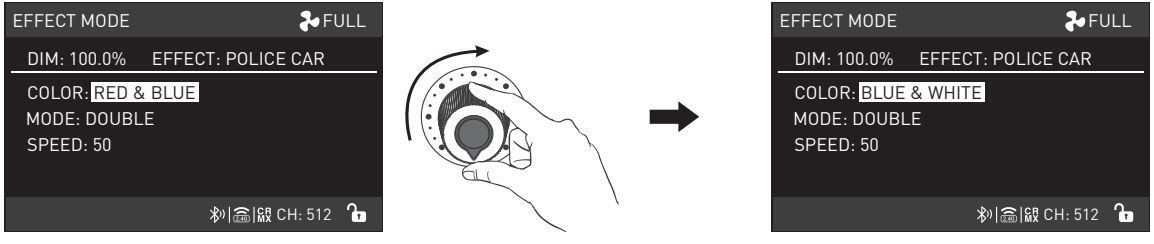
Press "SELECT knob" to trigger STORM effect.

⑦ POLICE CAR

POLICE CAR setting, Rotate "SELECT knob" to select COLOR, MODE, SPEED (Range: 1-100). COLOR: BLUE, RED&BLUE, BLUE&WHITE, RED&BLUE&WHITE, MODE: SINGLE, DOUBLE, TRIPLE, QUAD.



Rotate "SELECT knob" to select COLOR, MODE, SPEED.

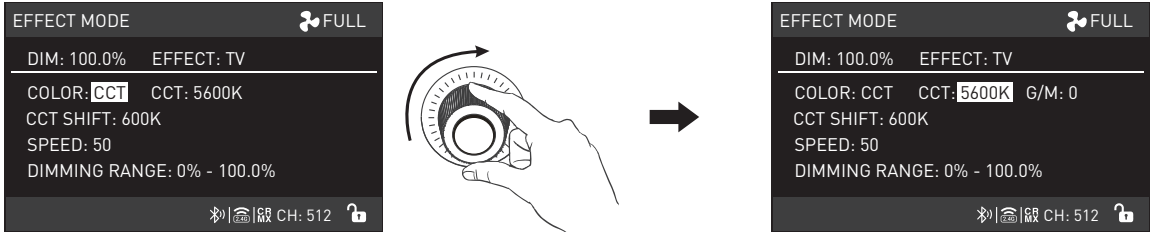


Rotate “middle knob” to set the parameters of the corresponding options.

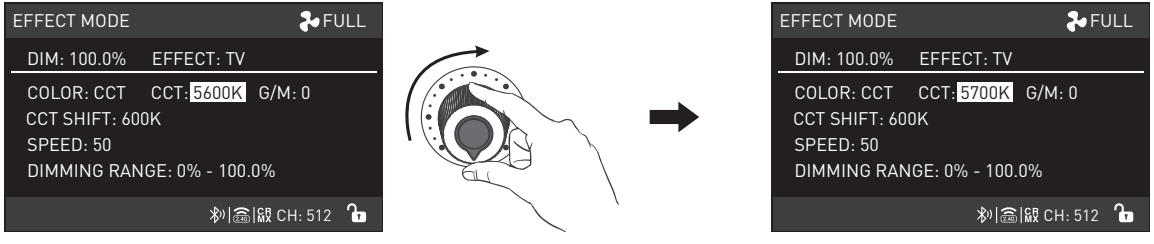
⑧ TV

TV setting, Rotate "SELECT knob" to select COLOR. COLOR: CCT and HSI.

· When COLOR is CCT, rotate "SELECT knob" to select CCT, G/M, CCT SHIFT (Range:0K-3000K), SPEED (Range: 1-100), DIMMING RANGE, then rotate “middle knob” to set the parameters of the corresponding options.



Rotate "SELECT knob" to select CCT, G/M, CCT SHIFT, SPEED, DIMMING RANGE.

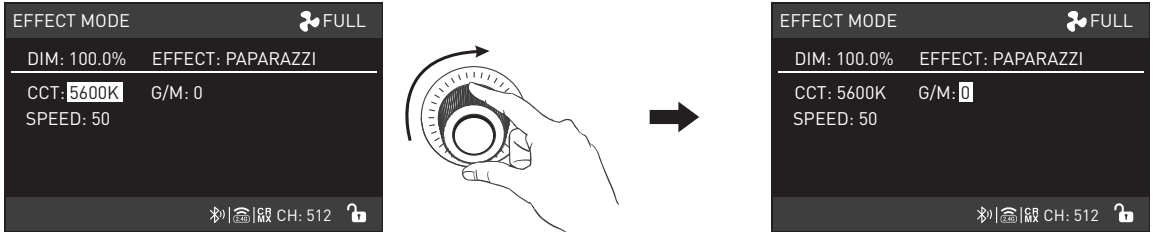


Rotate “middle knob” to set the parameters of the corresponding options.

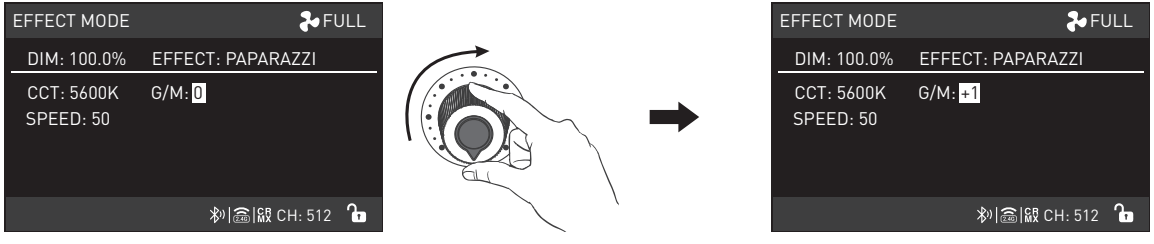
· When the COLOR is HSI, rotate "SELECT knob" to select HUE, SAT, HUE SHIFT (Range:0-180), SPEED (Range: 1-100), DIMMING RANGE, then rotate “middle knob” to set the parameters of the corresponding options. (Same operation as CCT)

⑨ PAPARAZZI

PAPARAZZI setting, Rotate "SELECT knob" to select CCT, G/M, SPEED (Range: 1-100), then rotate “middle knob” to set the parameters of the corresponding options.



Rotate "SELECT knob" to select CCT, G/M, SPEED.

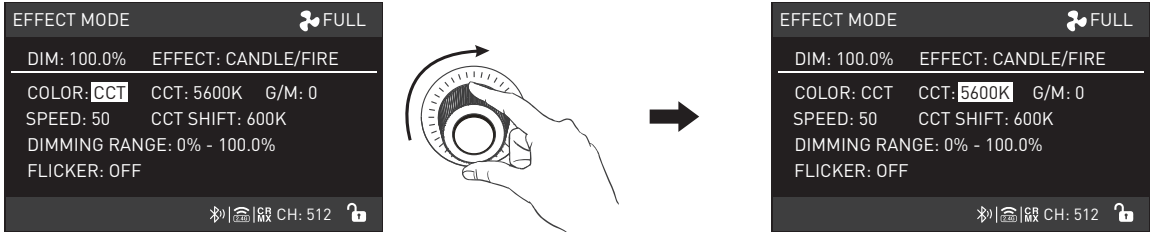


Rotate “middle knob” to set the parameters of the corresponding options.

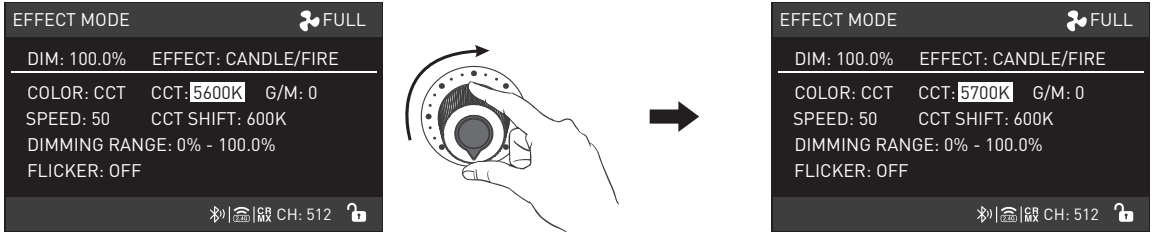
⑩ CANDLE/FIRE

CANDLE/FIRE setting, Rotate "SELECT knob" to select COLOR. COLOR: CCT and HSI.

· When COLOR is CCT, rotate "SELECT knob" to select CCT (Range:1800K-7500K), G/M, SPEED (Range: 1-100), CCT SHIFT (Range: 0K-3000K), DIMMING RANGE, FLASH, then rotate “middle knob” to set the parameters of the corresponding options.



Rotate "SELECT knob" to select CCT, G/M, SPEED, CCT SHIFT, DIMMING RANGE, FLASH.



Rotate “middle knob” to set the parameters of the corresponding options.

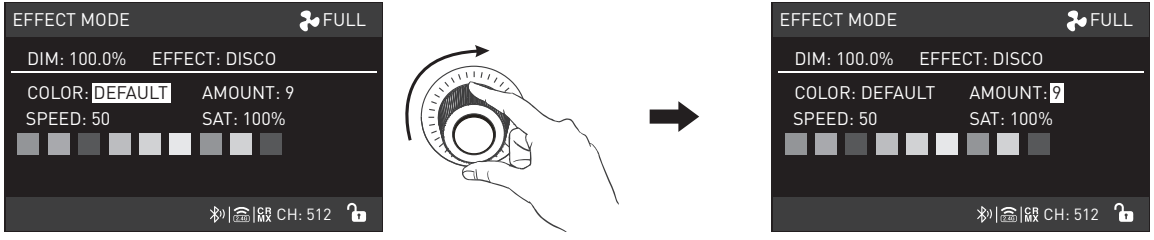
· When the COLOR is HSI, Rotate "SELECT knob" to select HUE, SAT, SPEED (Range: 1-100), HUE SHIFT (Range: 0-180), DIMMING RANGE, FLASH, then rotate “middle knob” to set the parameters of the corresponding options. (Same operation as CCT)

Note: FLASH: ON and OFF, circularly adjustable. When FLASH is ON, CANDLE/FIRE effect shows FLASH.

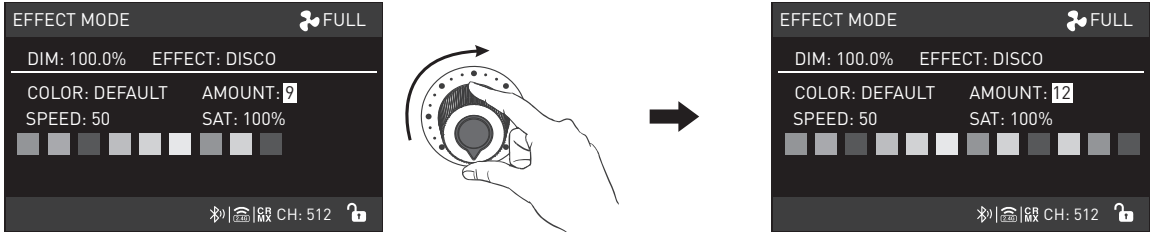
⑪ DISCO

DISCO setting, Rotate "SELECT knob" to select COLOR. COLOR: DEFAULT and MANUAL.

· When the COLOR is DEFAULT, rotate "SELECT knob" to select AMOUNT (Range: 3, 6, 9,12, 15, 18, 21, 24), SPEED (Range: 1-100), SAT, then rotate “middle knob” to set the parameters of the corresponding options.

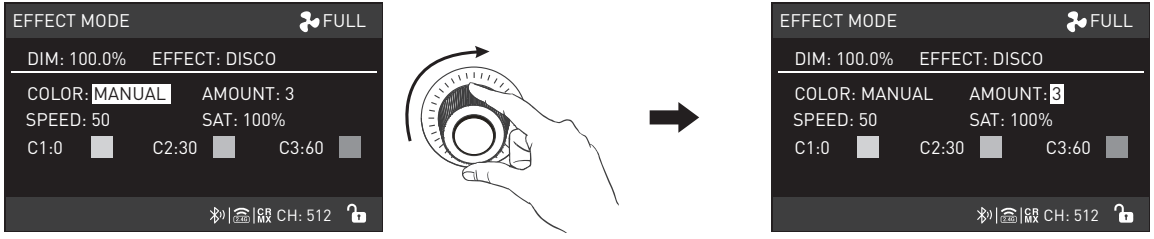


Rotate "SELECT knob" to select AMOUNT, SPEED, SAT.

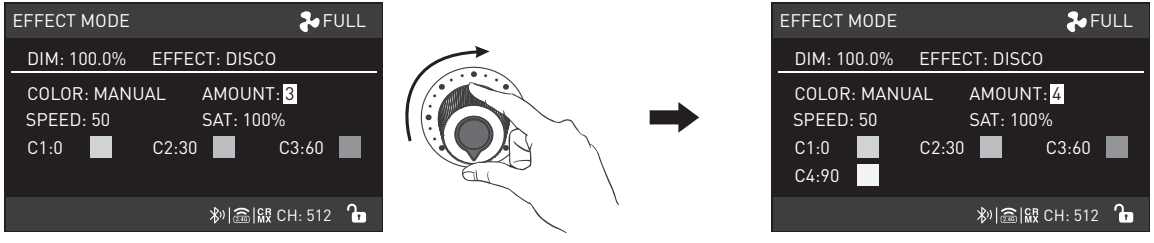


Rotate “middle knob” to set the parameters of the corresponding options.

· When the COLOR is MANUAL, rotate "SELECT knob" to select AMOUNT （Range: 1-6), SPEED (Range: 1-100), SAT. Different AMOUNT displays different HUE. For example, AMOUNT is 1, C1 is dispayed at the bottom of the screen; AMOUNT is 2,C1, C2 are dispayed at the bottom of the screen, and so on. The range of C1-C6 is 0-360, then rotate “middle knob”to set the parameters of the corresponding options.



Rotate "SELECT knob" to select AMOUNT, SPEED, SAT.

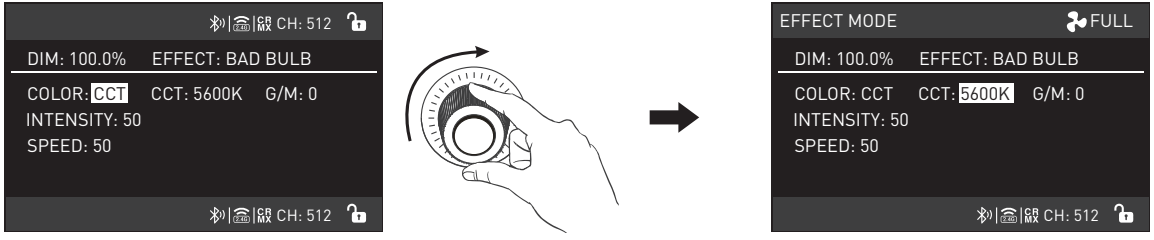


Rotate “middle knob” to set the parameters of the corresponding options.

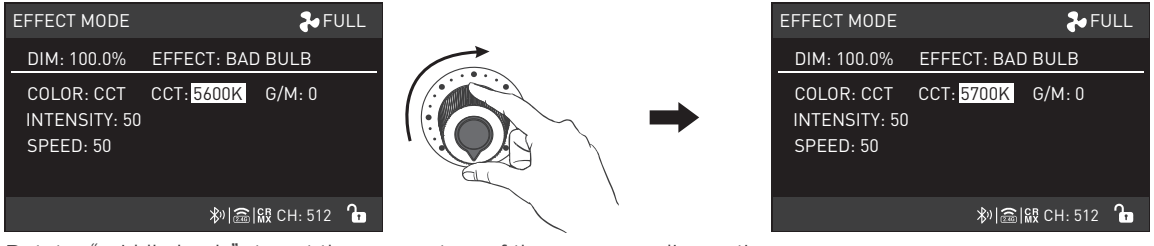
⑫ BAD BULB

BAD BULB setting: Rotate "SELECT knob" to select COLOR. COLOR: CCT and HSI.

· When the COLOR is CCT, rotate "SELECT knob" to select CCT, G/M, INTENSITY (Range:1-100), SPEED (Range:1-100), then rotate “middle knob” to set the parameters of the corresponding options.



Rotate "SELECT knob" to select CCT, G/M, INTENSITY, SPEED.



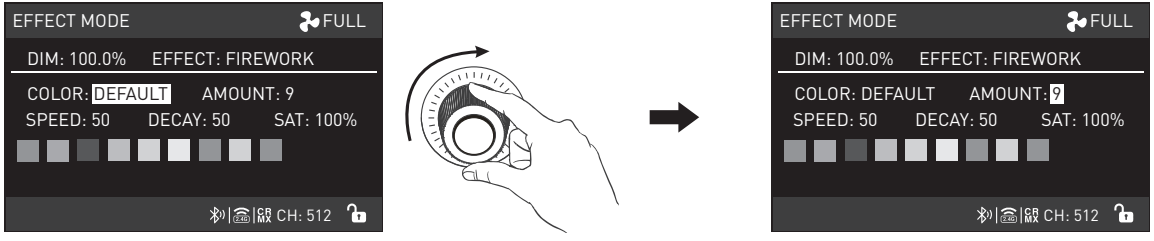
Rotate “middle knob” to set the parameters of the corresponding options.

· When the COLOR is HSI, rotate "SELECT knob" to select HUE, SAT, INTENSITY (Range:1-100), SPEED (Range: 1-100), then rotate “middle knob” to set the parameters of the corresponding options. (Same operation as CCT)

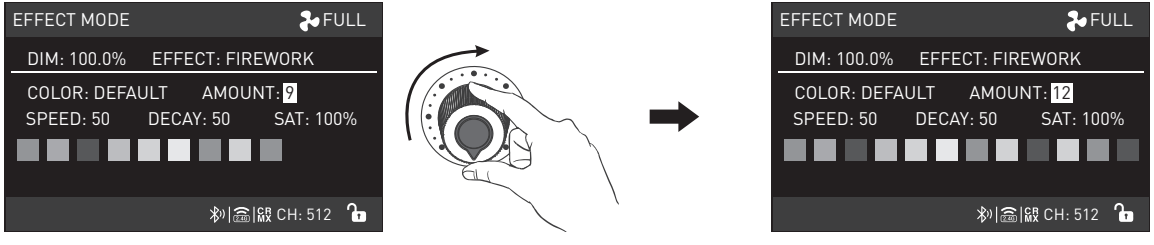
⑬ FIREWORK

FIREWORK setting: Rotate "SELECT knob" to select COLOR. COLOR: DEFAULT, MANUAL and CCT.

· When the COLOR is DEFAULT, rotate "SELECT knob" to select AMOUNT (Range: 3, 6, 9, 12, 15, 18, 21, 24), SPEED (Range: 1-100), DECAY (Range: 1-100), SAT, then rotate “middle knob” to set the parameters of the corresponding options.

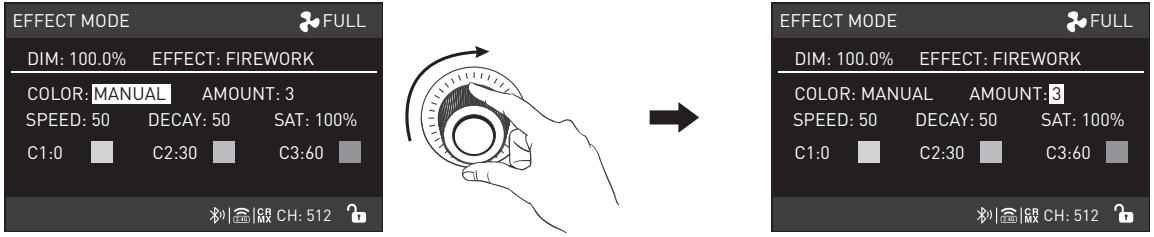


Rotate "SELECT knob" to select AMOUNT, SPEED, DECAY, SAT.

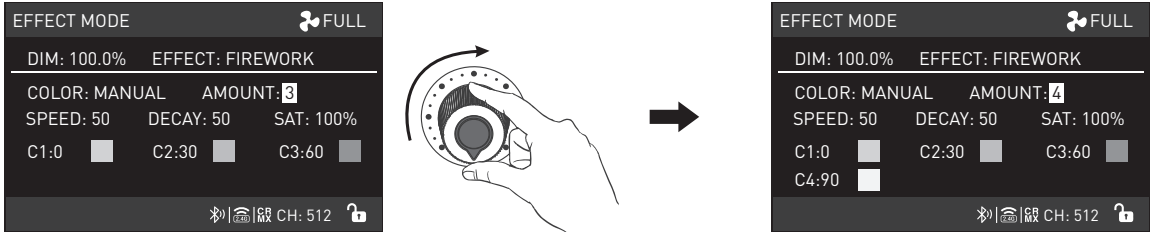


Rotate “middle knob” to set the parameters of the corresponding options.

· When the COLOR is MANUAL, rotate "SELECT knob" to select AMOUNT （Range: 1-6), SPEED (Range: 1-100), SAT. Different AMOUNT displays different HUE. For example, AMOUNT is 1, C1 is dispayed at the bottom of the screen; AMOUNT is 2,C1, C2 are dispayed at the bottom of the screen, and so on. The range of C1-C6 is 0-360, then rotate “middle knob”to set the parameters of the corresponding options.

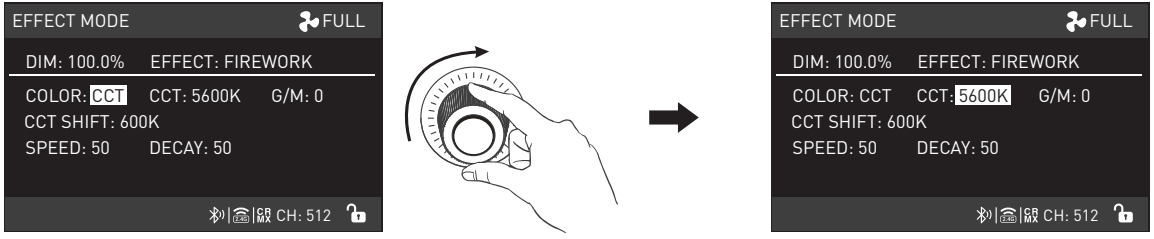


Rotate "SELECT knob" to select AMOUNT, SPEED, SAT.

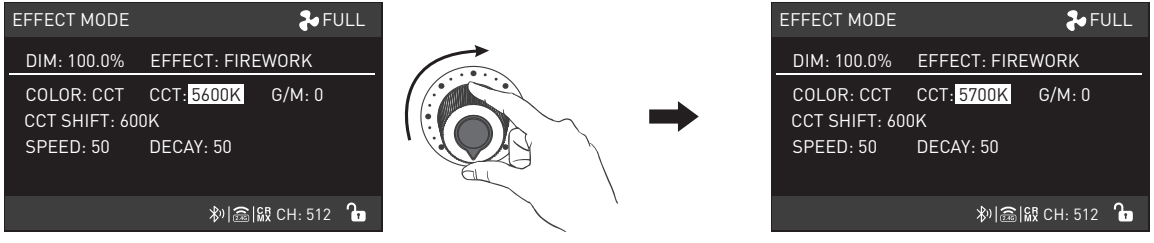


Rotate “middle knob” to set the parameters of the corresponding options.

· When the COLOR is CCT, rotate "SELECT knob" to select CCT, G/M, CCT SHIFT (0-3000K), SPEED (Range: 1-100), DECAY (Range: 1-100), then rotate “middle knob”to set the parameters of the corresponding options.



Rotate "SELECT knob" to select CCT, G/M, CCT SHIFT, SPEED, DECAY.

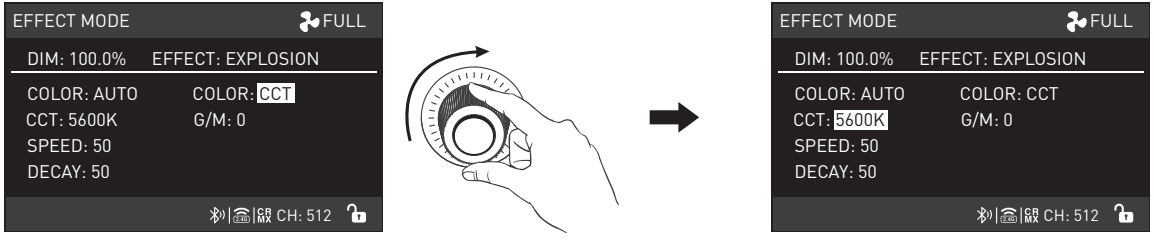


Rotate “middle knob” to set the parameters of the corresponding options.

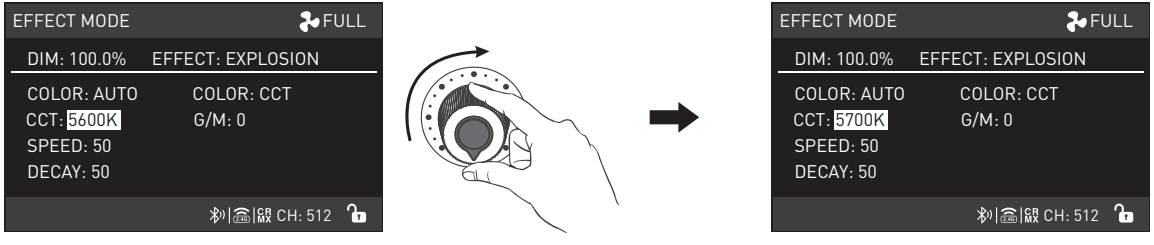
⑭ EXPLOSION

EXPLOSION setting: Rotate "SELECT knob" to select TRIGGER, COLOR. TRIGGER: AUTO and MANUAL, COLOR: CCT and HSI.

· When the TRIGGER is AUTO and the COLOR is CCT, rotate "SELECT knob" to select CCT, G/M, SPEED (Range: 1-100), DECAY (Range: 1-100), then rotate “middle knob” to set the parameters of the corresponding options.



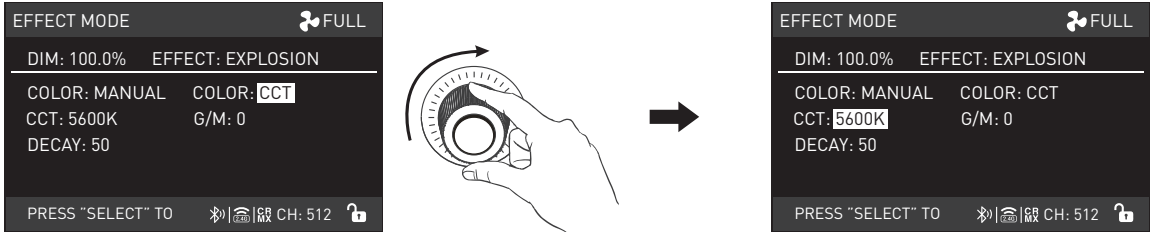
Rotate "SELECT knob" to select CCT, G/M, SPEED, DECAY.



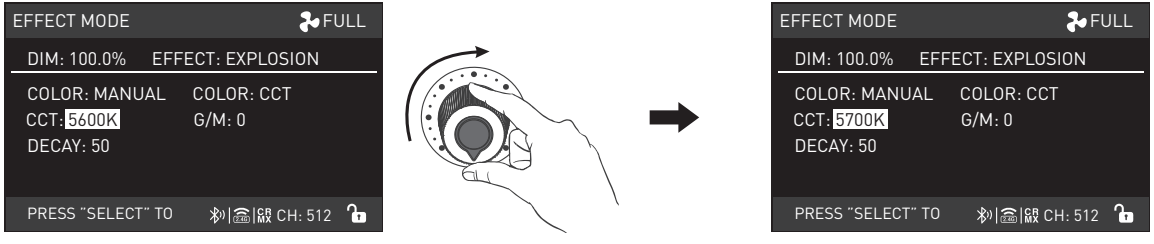
Rotate “middle knob” to set the parameters of the corresponding options.

· When the TRIGGER is AUTO and the COLOR is HSI, rotate "SELECT knob" to select HUE, SAT, SPEED (Range: 1-100), DECAY (Range: 1-100), then rotate “middle knob” to set the parameters of the corresponding options. (Same operation as CCT)

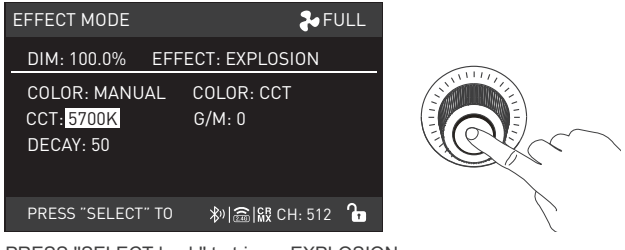
· When the TRIGGER is MANUAL and the COLOR is CCT, rotate "SELECT knob" to select CCT, G/M, DECAY (Range: 1-100), then rotate “middle knob” to set the parameters of the corresponding options. Press "SELECT knob" to trigger EXPLOSION.



Rotate "SELECT knob" to select CCT, G/M, DECAY.



Rotate “middle knob” to set the parameters of the corresponding options.



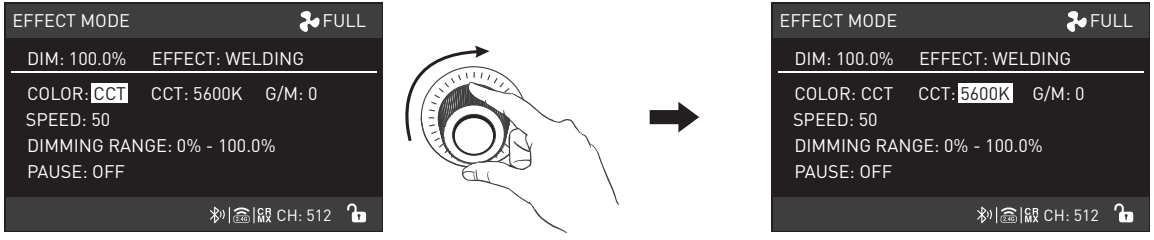
PRESS "SELECT knob" to trigger EXPLOSION.

· When the TRIGGER is MANUAL and the COLOR is HSI, rotate "SELECT knob" to select HUE, SAT, DECAY (Range: 1-100), then rotate “middle knob” to set the parameters of the corresponding options. Press "SELECT knob" to trigger EXPLOSION. (Same operation as CCT)

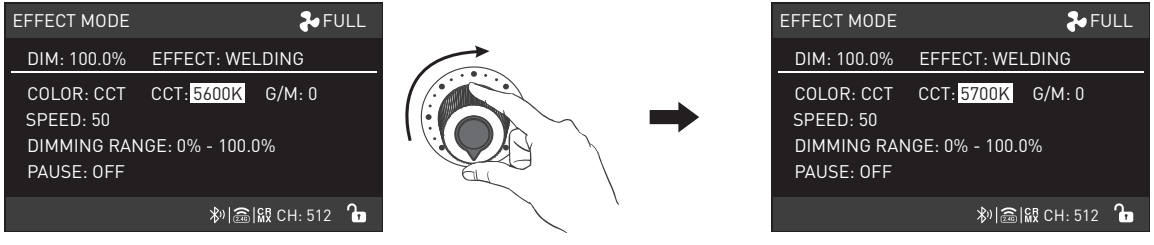
⑮ WELDING

WELDING setting, Rotate "SELECT knob" to select COLOR. COLOR: CCT and HSI.

· When the COLOR is CCT, rotate "SELECT knob" to select CCT, G/M, SPEED (Range: 1-100), DIMMING RANGE, PAUSE, then rotate “middle knob” to set the parameters of the corresponding options.



Rotate "SELECT knob" to select CCT, G/M, SPEED, DIMMING, PAUSE.

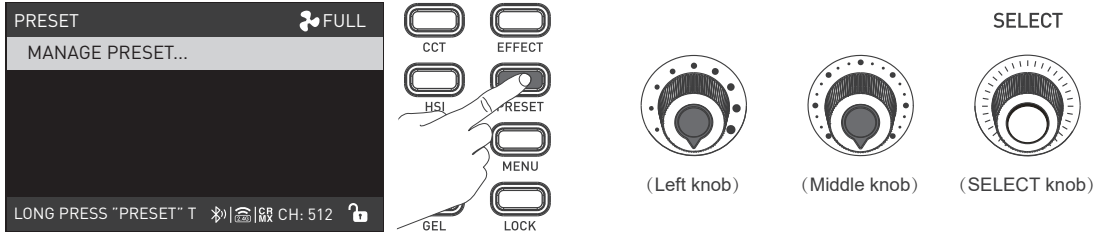


Rotate “middle knob” to set the parameters of the corresponding options.

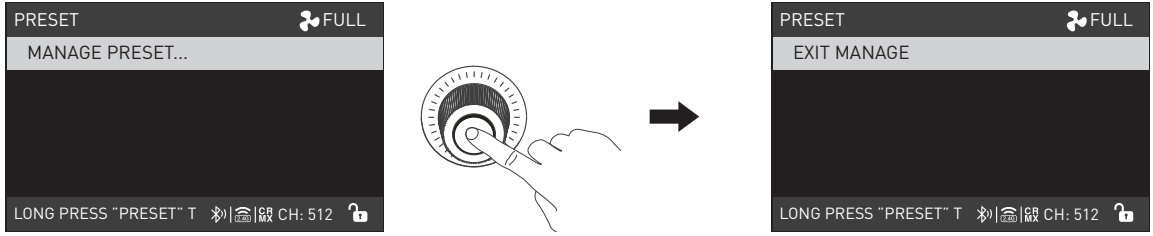
· When the COLOR is HSI, rotate "SELECT knob" to select HUE, SAT, SPEED (Range: 1-100), DIMMING RANGE, PAUSE, then rotate “middle knob” to set the parameters of the corresponding options. (Same operation as CCT)
Note: PAUSE: ON and OFF. When PAUSE is ON, WELDING effect PAUSE.

· Lighting effects and additional function maybe added with future firmware updates, for details please check from www.nanlux.com.

7. PRESET Key: Press PRESET key to enter the operation interface of PRESET.

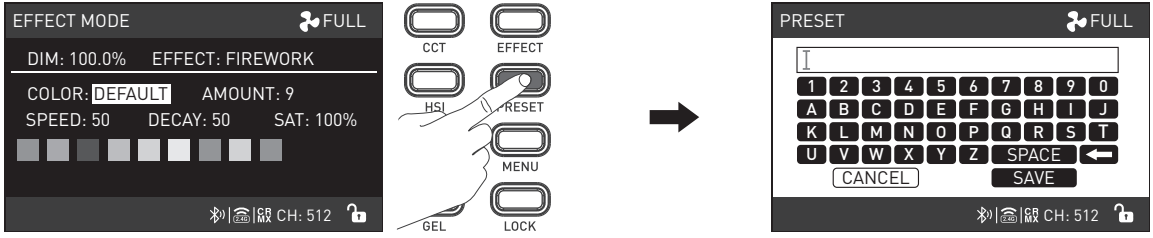


· Switch MANAGE PRESET or EXIT MANAGE.

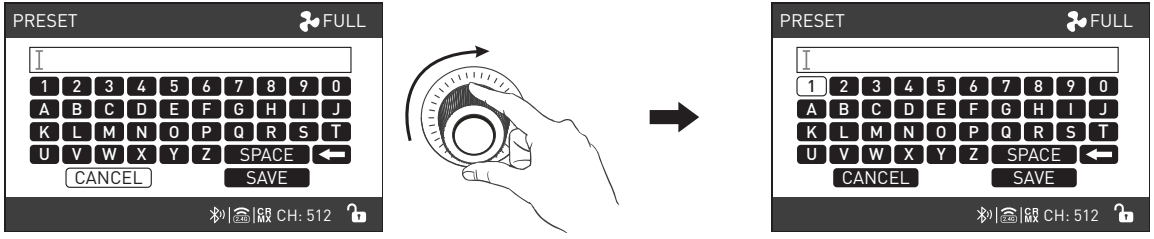


Press "SELECT knob" to Switch MANAGE PRESET or EXIT MANAGE.

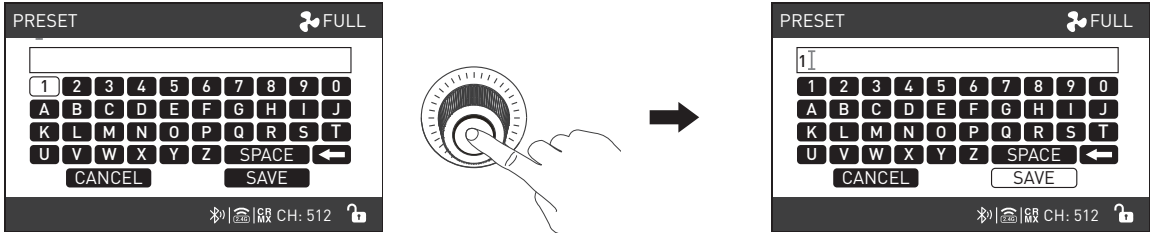
① Save current lighting setting: When the lighting is set, long press PRESET key to enter the name interface of MANAGE PRESET, rename and save current lighting setting.



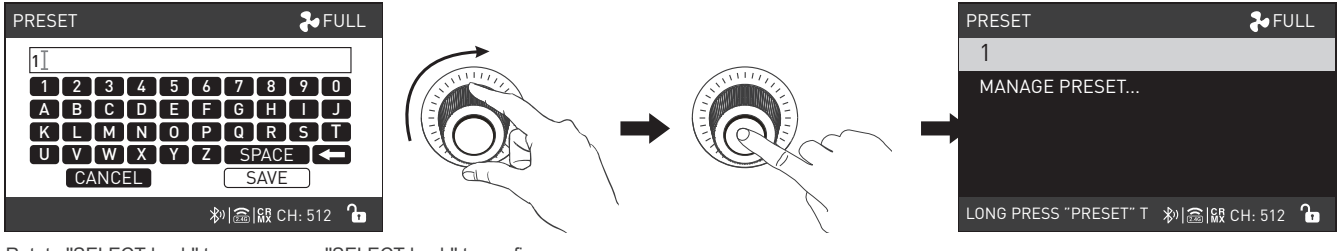
Long press PRESET key to enter the name interface of MANAGE PRESET.



Rotate "SELECT knob" to select the number or letter according to demands.

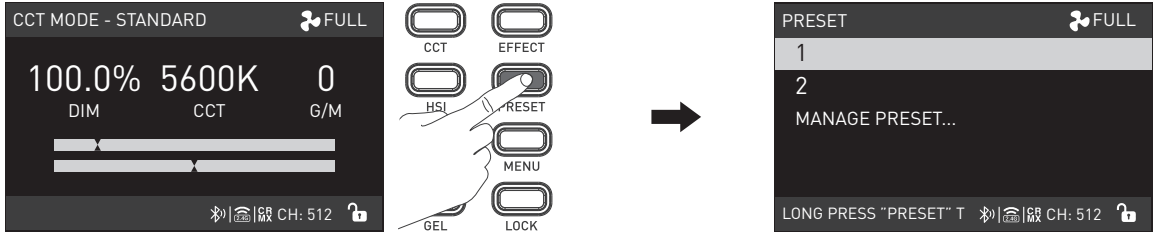


Press "SELECT knob" to confirm.

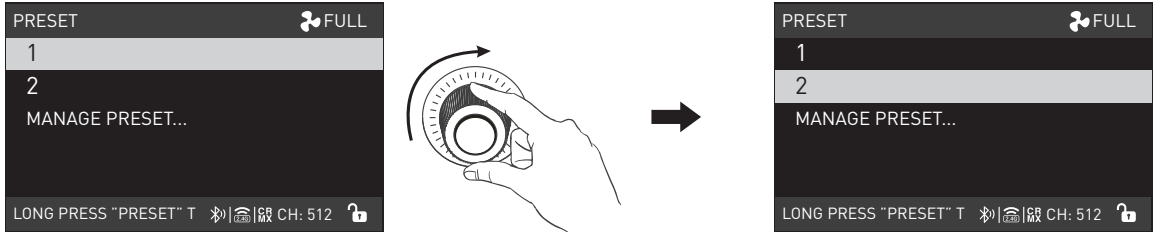


Rotate "SELECT knob" to save, press "SELECT knob" to confirm.

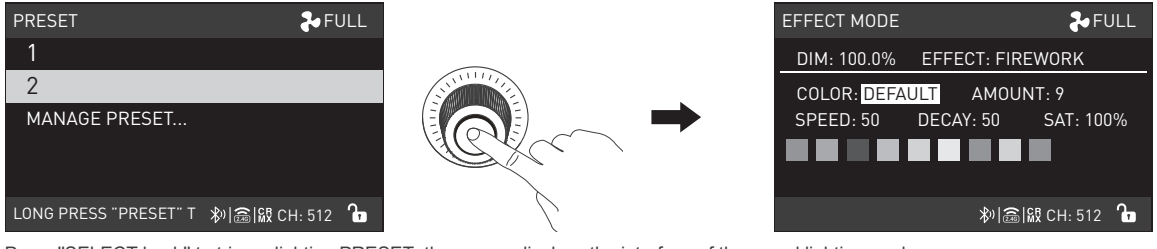
② TRIGGER PRESET LIGHTING: Press PRESET key to enter the interface of PRESET, rotate "SELECT knob" to select preset lighting, press "SELECT knob" to trigger preset lighting, the screen displays the interface of the saved lighting mode.



Press PRESET key to enter the interface of PRESET.

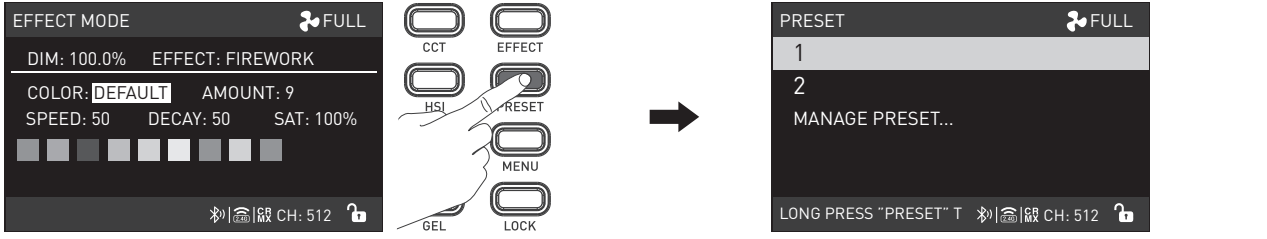


Rotate "SELECT knob" to select lighting PRESET.

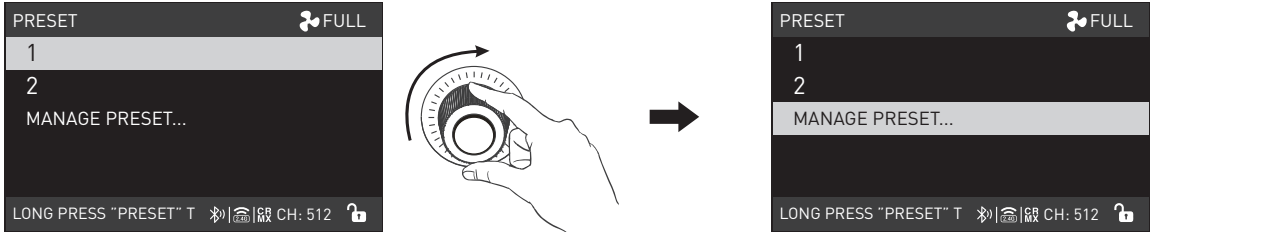


Press "SELECT knob" to trigger lighting PRESET, the screen displays the interface of the saved lighting mode.

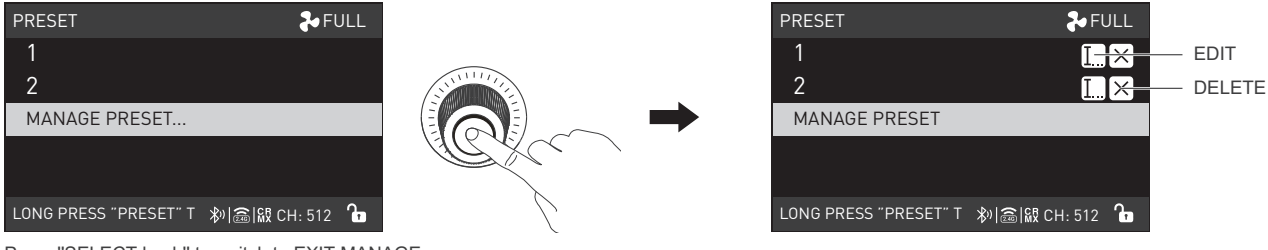
③ Rename or delete saved preset lighting: Press PRESET key to enter the interface of PRESET, rotate "SELECT knob" to select MANAGE PRESET, press “SELECT knob" to switch to EXIT MANAGE, then rotate "SELECT knob" to select rename or delete saved preset lighting.



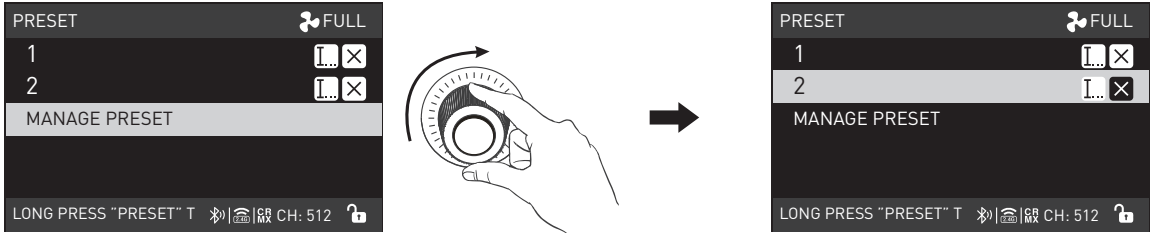
Press PRESET key to enter the interface of PRESET.



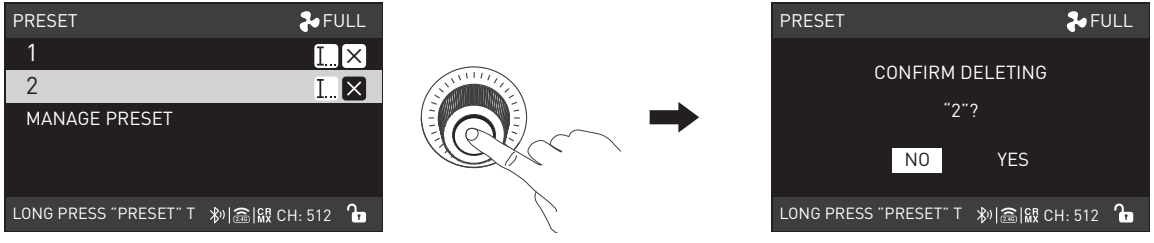
Rotate "SELECT knob" to select MANAGE PRESET.



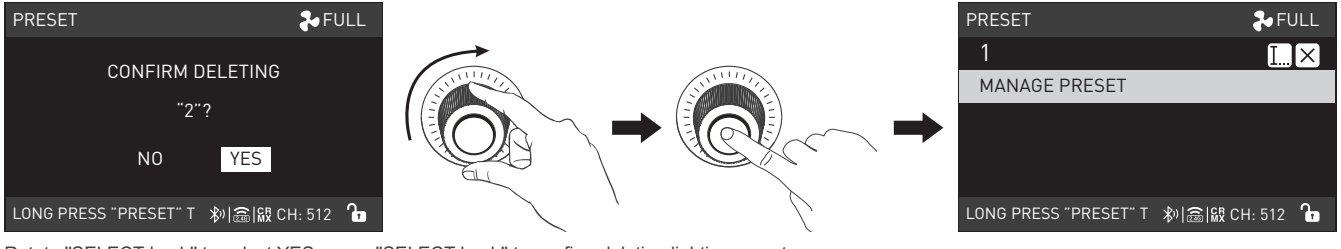
Press "SELECT knob" to switch to EXIT MANAGE.



Rotate "SELECT knob" to select rename or delete lighting PRESET.

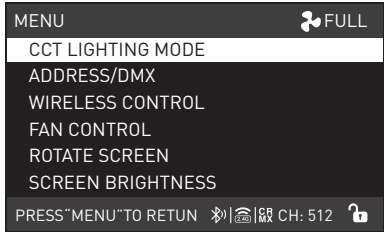


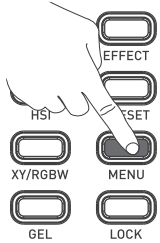
Press "SELECT knob" to delete the lighting preset.

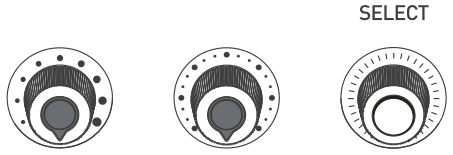


Rotate "SELECT knob" to select YES, press "SELECT knob" to confirm deleting lighting preset.

8. MENU Key: Press MENU key to enter interface.

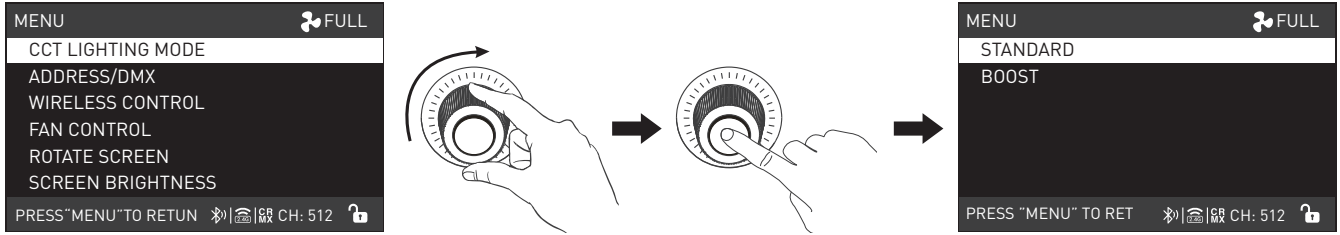




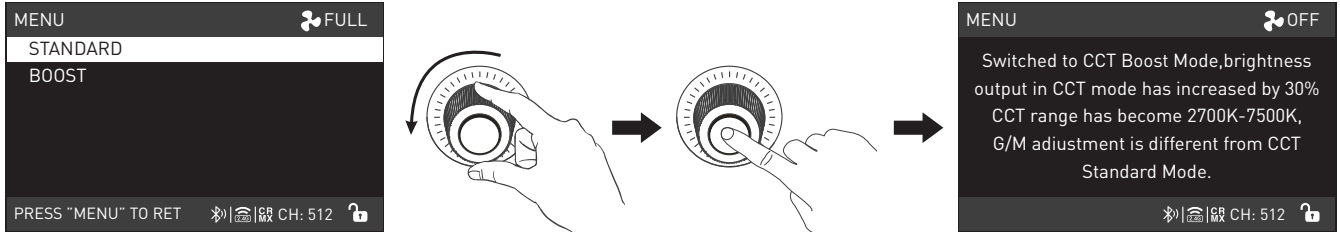


· Rotate "SELECT knob" to select desired option, press "SELECT knob" to enter the corresponding secondary menu, rotate "SELECT knob" again to select option, press "SELECT knob" to set. Press MENU key to return to the previous menu.

① CCT LIGHTING MODE



Rotate "SELECT knob" to CCT LIGHTING MODE, press "SELECT knob" to enter the corresponding secondary menu.



Rotate "SELECT knob" to select STANDARD or BOOST, and press "SELECT knob" to set.

Notes: (1) In STANDARD mode, brightness output in CCT mode is standard, CCT range will be 2700K-20000K, G/M adjustment is different from BOOST mode.
(2) In BOOST mode, brightness output in CCT mode will increase by 30%, CCT range will be 2700K-7500K, G/M adjustment is different from STANDARD mode.

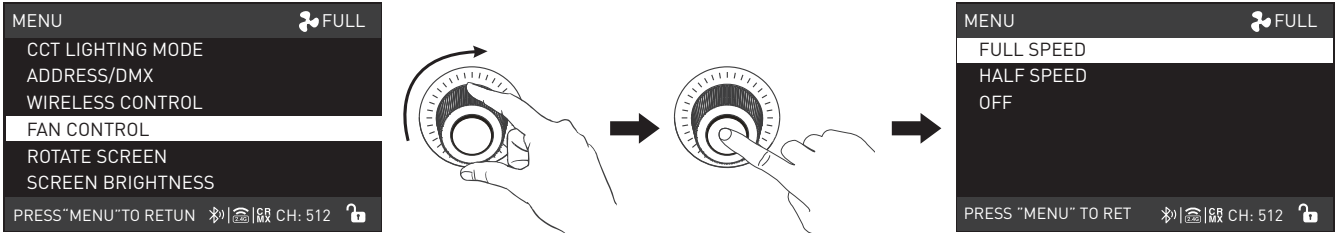
② ADDRESS/DMX

For more opreation details please refer to P12.

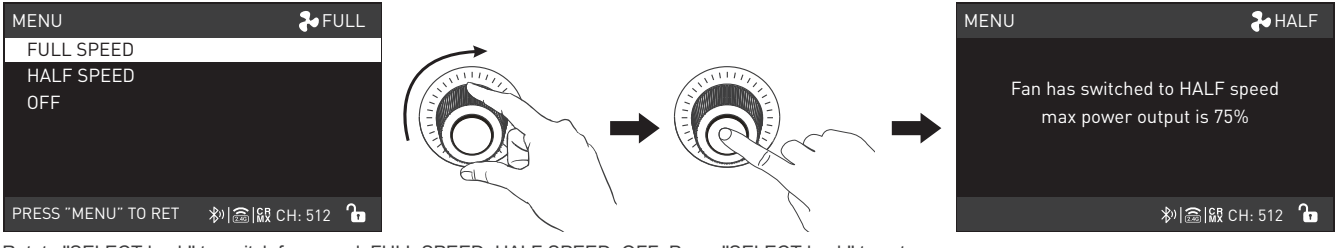
③ LUMENRADIO SETTINGS

For more opreation details please refer to P24.

④ FAN CONTROL



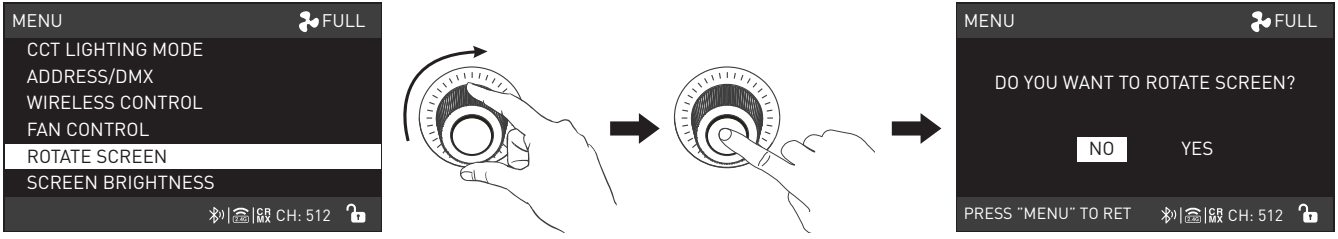
Rotate "SELECT knob" to FAN CONTROL, press "SELECT knob" to enter the corresponding secondary menu.



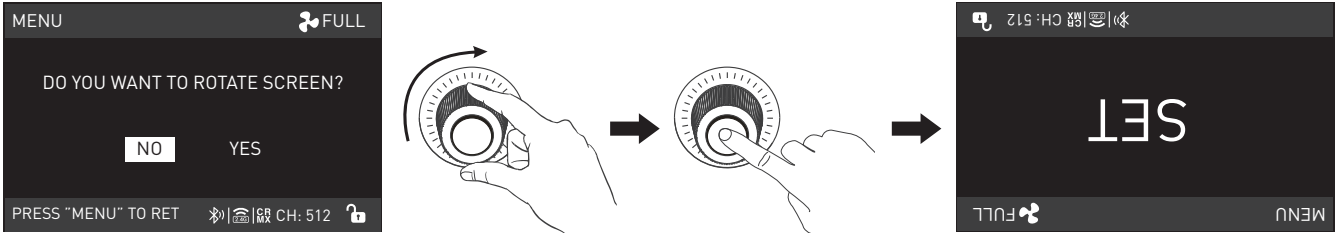
Rotate "SELECT knob" to switch fan speed: FULL SPEED, HALF SPEED, OFF. Press "SELECT knob" to set.

Note: (1) When the fan is in FULL SPEED, the maximum output is 100%.
(2) When the fan is HALF SPEED, maximum output is 75%.
(3) When the fan is OFF, maximum output is 45%.

⑤ ROTATE SCREEN

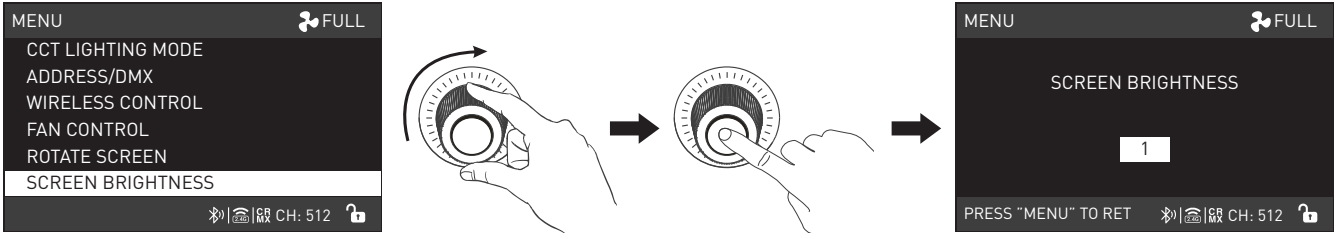


Rotate '"SELECT knob" to ROTATE SCREEN, press "SELECT knob" to enter the corresponding secondary menu.

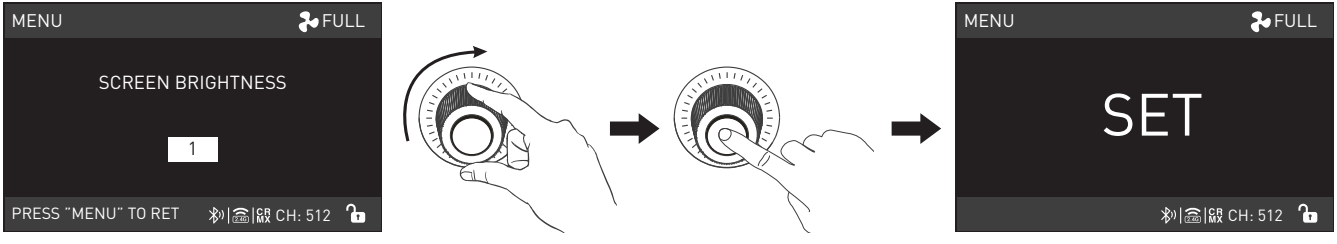


Rotate "SELECT knob" to select YES or NO, press "SELECT knob" to set.

⑥ SCREEN BRIGHTNESS

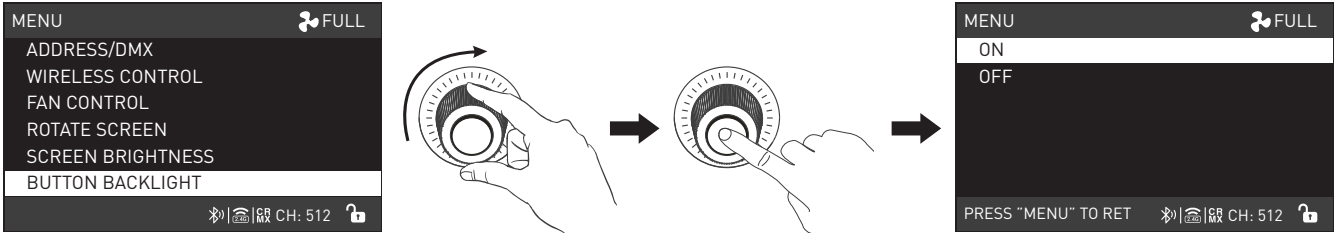


Rotate "SELECT knob" to SCREEN BRIGHTNESS , press "SELECT knob" to enter corresponding secondary menu.

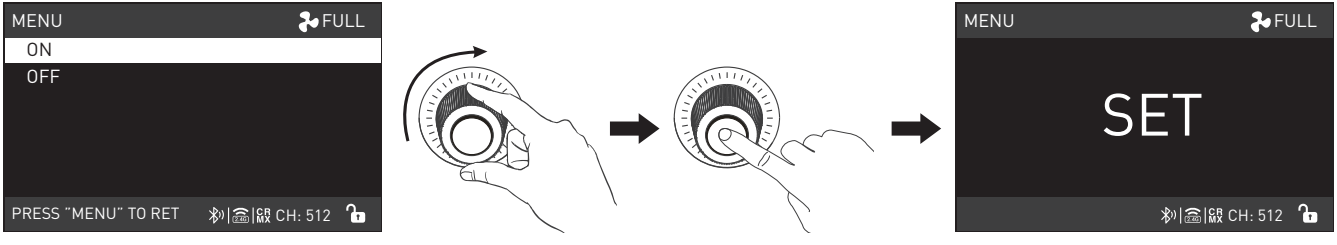


Rotate "SELECT knob" to select SCREEN BRIGHTNESS, press "SELECT knob" to set.

⑦ BUTTON BACKLIGHT

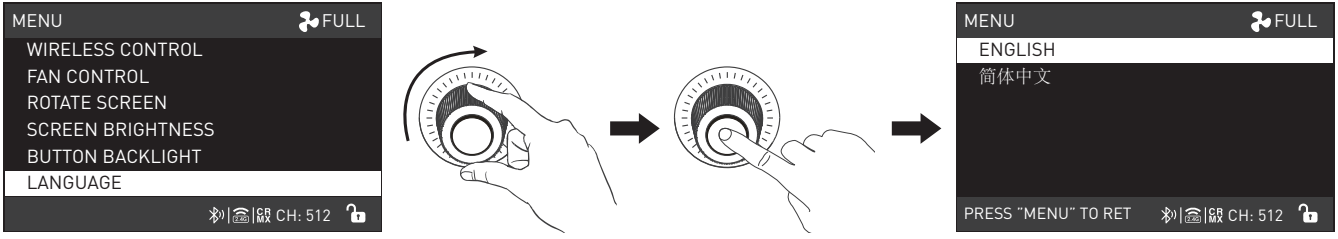


Rotate "SELECT knob" to BUTTON BACKLIGHT, press "SELECT knob" to enter the corresponding secondary menu.

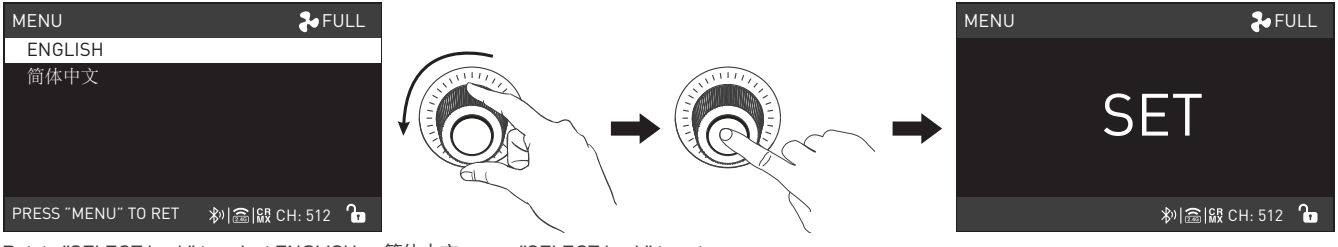


Rotate "SELECT knob" to select ON or OFF, press "SELECT knob" to set.

⑧ LANGUAGE

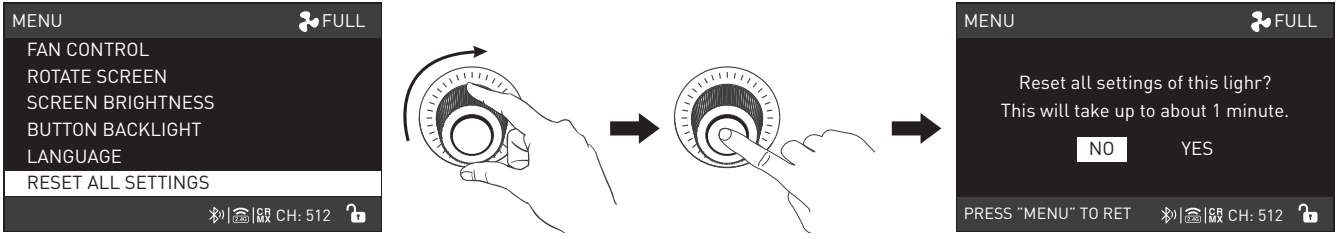


Rotate "SELECT knob" to LANGUAGE, press "SELECT knob" to enter corresponding secondary menu.

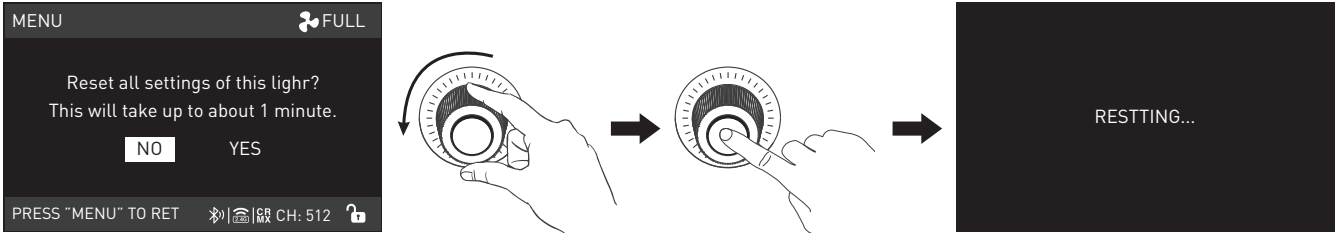


Rotate "SELECT knob" to select ENGLISH or 简体中文, press "SELECT knob" to set.

⑨ RESET ALL SETTINGS

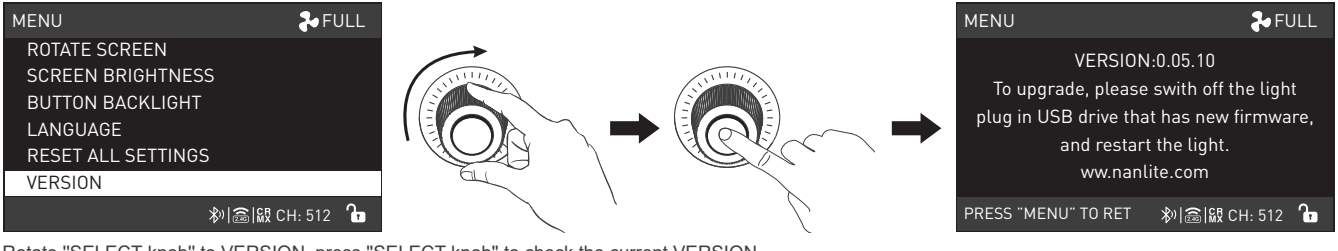


Rotate "SELECT knob" to RESET ALL SETTINGS, press "SELECT knob" to enter corresponding secondary menu.



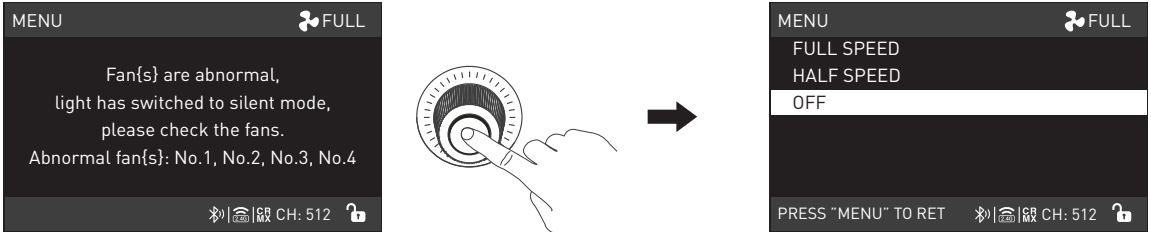
Rotate "SELECT knob" to select YES or NO, press "SELECT knob" to set.

⑩ VERSION



Rotate "SELECT knob" to VERSION, press "SELECT knob" to check the current VERSION.

9. LOCK Key: Long press LOCK key for 2s to lock function, now operation keys or adjustment knobs can not change the current function, long press LOCK key for 2s again to release lock status.
10. When the FAN works abnormally, the screen displays as below image, this time teh light has switched to OFF, press any key or knob to return.



11. Turn off the power when stop using.

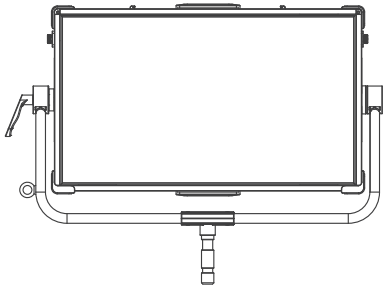
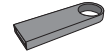
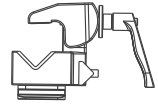
Safety Precautions

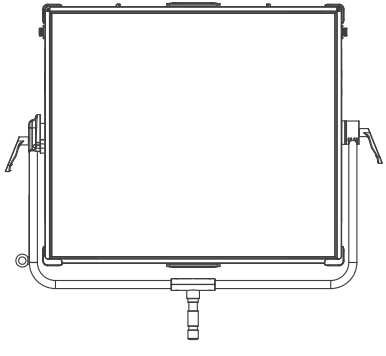
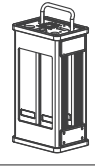
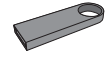
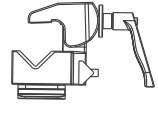
1. Please check for possible damage caused in transit after opening the package. Please do not use if damage is found. And contact with the distributor or manufacturer as soon as possible.
2. Please do not use a power cable with damaged insulation. Please do not unplug too hard or drag the power cable directly.
3. Please make sure the voltage of power supply accords with the voltage specified on the fixture before installation.
4. Please turn the fixture off when it is not in use or before cleaning.
5. Please keep the fixture safely stored and away from children.

Notice

1. Please do not look directly at the emitter when the light is on.
2. Please do not place any object on the fixture or allow liquid to flow inside the fixture.
3. Please do not place the fixture near any flammable or volatile substances like alcohol or gasoline.
4. Please do not use strong detergent for cleaning. Please wipe off the dirt by using a cloth with neutral cleanser when cleaning the fixture.
5. Please set up the fixture in a dry and well-ventilated place. Please do not use it in any humid, dusty or overheated environment. Meanwhile, please also check whether the fan and vent are unimpeded.
6. Please do not disassemble the fixture to repair at will. Qualified professionals should conduct maintenance under the condition of strictly following the operating procedures described in this manual.
7. Please do not cover the vents when using, to avoid affecting heat dissipation, and resulting in damage. Please pay attention to anti-scald when using the fixture for a long time, since the surface temperature of fixture will be high.
8. The flight case of Dyno 1200C has the lock function on the universal wheel. Please lock the universal wheel to prevent the filght case from moving.

What's in the box? Please kindly check.

Dyno 650C×1	Power Supply×1	DC Connecting Cable×1	Power Cable×1	USB Flash Drive×1
				
DMX Reference Guide×1	User Manual×1	AS-SCH-DN Dyno Super Clamp with Hook×1		
				

Dyno 1200C x 1	Power Supply×1	DC Connecting Cable×1	Power Cable×1	USB Flash Drive×1
				
DMX Reference Guide×1	User Manual×1	AS-SCH-DN Dyno Super Clamp with Hook×1		
				

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 the power supply is within the specified parameters.
The fixture can operate by manual, but DMX control is not working.	1. Please check whether the DMX original adress setting of the fixture is correct or not. 2. Please check that the XLR signal cable is connected correctly and without damage.
LCD display is on but can't operate the light.	Please check if the LCD screen display " 🔒 ", long press the " LOCK " key for 2 seconds to release the LOCK.
The inside fan will not work.	1. Please check if the fan is OFF. 2. If the screen displays "Fan Error", please contact with the supplier or manufacturer for replacement.

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.

Version: V4 2023-02-05

+86-754-85751187 +86-754-85300887
info@nanlux.com Dongli Section, Highway 324, Chenghai, Shantou City, Guangdong Province, China
Guangdong NanGuang Photo&Video Systems Co., Ltd.