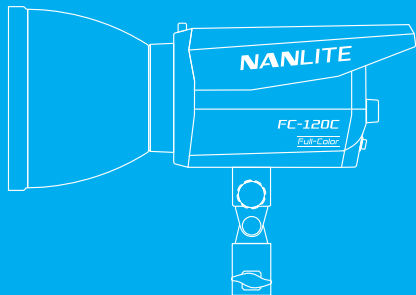


NANLITE

FC-120C LED RGBW Spot Light



USER MANUAL

■ Introduction

Thank you for purchasing Nanlite product -- FC-120C!

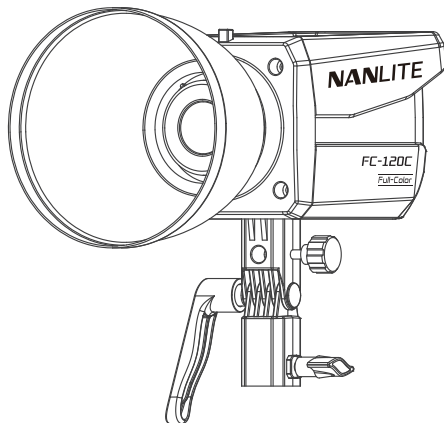
The FC-120C is a compact yet powerful RGBW full-color point source light. It features a wide color temperature range of 2700K-7500K, ± 150 adjustment for green and magenta, and 15 built-in effects. You can achieve various colors by adjusting the HSI or RGBW values. Equipped with four fan modes (smart, full speed, low speed, and off), it caters to both lighting and sound recording needs. It supports multiple control options, including on-board control, remote controller, Nanlink App, and DMX/RDM. Power can be supplied via the power adapter, by V-mount battery or PD3.1 power source. It is compatible with FM mount accessories, as well as the Bowens mount accessories via the Bowens adapter. In summary, the FC-120C combines compactness with full-color capabilities and flexible power supply options, providing great convenience for various scene requirements.

■ Notice

1. Please do not look directly at the emitter when the fixture is on.
2. Please keep for 10s after settings before turn off the fixture.
3. Please do not place any object on the fixture or allow liquid to flow inside the fixture.
4. Please do not place the fixture near any flammable or volatile substances like alcohol or gasoline.
5. Please do not use strong detergent for cleaning. Please wipe off the dirt by using a cloth with neutral cleanser when cleaning the fixture.
6. 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.
7. 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.
8. 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.

FC-120C LED RGBW Spot Light

Product Diagram



Technical Data

Rated Power: 145W

Input: DC 24V/6.25A Max

AC 100-240V 50/60Hz

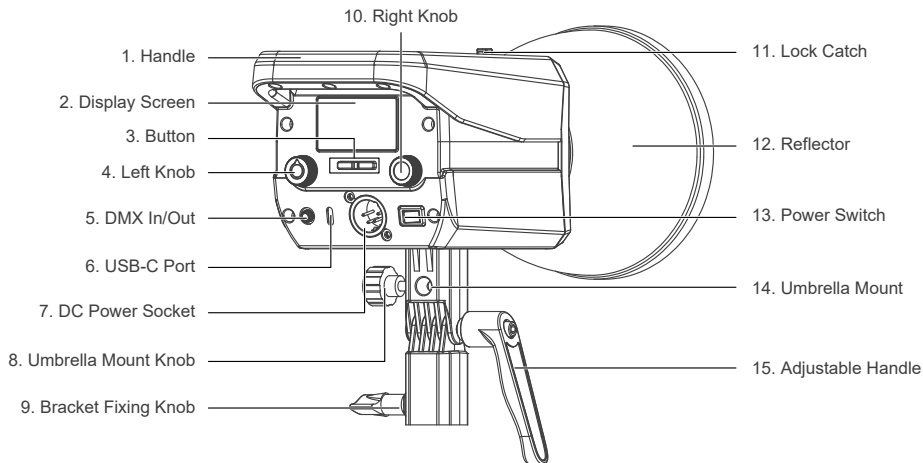
PD3.1 (15-28V) 30W Min

Color Temperature: 2700K-7500K (GM $\pm$ 150)

CRI: Average 95

TLCI: Average 94

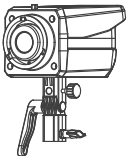
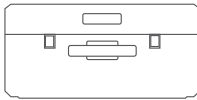
Product Details



Detailed Description

1. Handle: For lifting the fixture and adjusting the direction of light.
2. Display Screen: For displaying the settings.
3. Button: MODE button for switching the lighting modes. MENU button for switching between the lighting modes and menu.
4. Left Knob: For adjusting the parameters or switching among different selections.
5. DMX In/Out: To connect the DMX adapter cable for DMX signal input and output.
(Note: DMX adapter cable is sold separately).
6. USB-C Port: For updating the firmware and serving as a PD charger input.
7. DC Power Socket: To connect the DC connection cable to output DC power to the fixture body.
8. Umbrella Mount Knob: For locking an umbrella.
9. Bracket Fixing Knob: For securing the fixture on the light stand.
10. Right Knob: For switching options.
11. Lock Catch: For securing and detaching FM mount accessories.
12. Reflector: For gathering light to improve the central illumination.
13. Power Switch: For turning on/off the fixture.
14. Umbrella Mount: For installing an umbrella.
15. Adjustable Handle: For adjusting and fixing the direction of fixture in tilt.

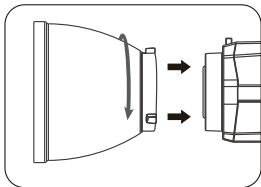
Includes

FC-120C × 1	Bowens Adapter × 1	RF-FMM-45 Reflector × 1	Carry Case × 1
			
Power Adapter × 1	AC Power Cable × 1	User Manual × 1	
			

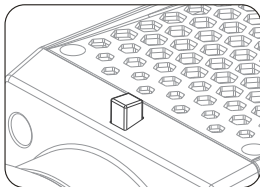
Usage

NANLITE

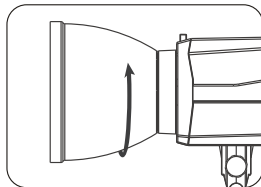
1. Installation and Detachment of Reflector



To install the reflector, align the reflector to the fixture's FM mount, rotate the reflector in the direction shown on the fixture until it clicks into place.

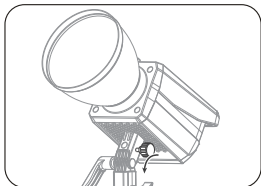


To detach the reflector, press the lock catch.

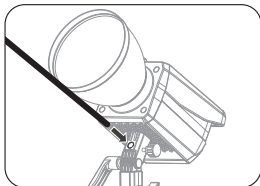


Rotate the reflector in the direction shown on the fixture.

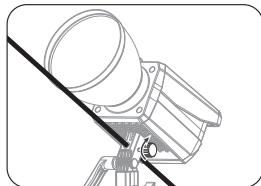
2. Installation of Umbrella



Loosen the umbrella mount knob.



Insert the umbrella into the umbrella mount.



Tighten the umbrella mount knob to lock the umbrella.

Remote Control

The FC-120C is built with DMX In/Out, enabling it to be controlled by wired DMX/RDM.

▲ The FC-120C is built with 2.4G and Bluetooth modules, enabling it to be controlled by the remote controller or NANLINK APP.

▲ Remote controller is sold separately.

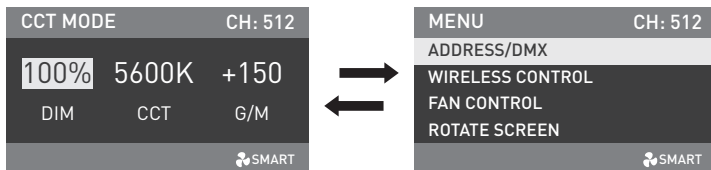
▲ The address needs to be set before operating the remote control via 2.4G or DMX/RDM.

1. 2.4G Control

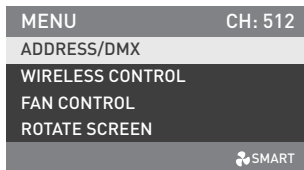
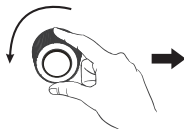
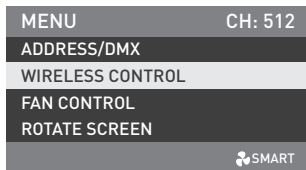
The wireless protocol needs to be set before operating the remote control via remote controller.

Please set the fixture to V2.0 while using the WS-RC-C2 remote controller, and set it to V1.0 while using other remote controllers.

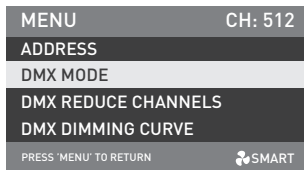
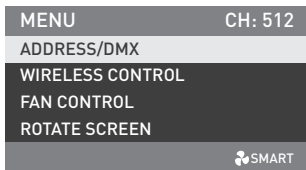
1.1 Address Setting



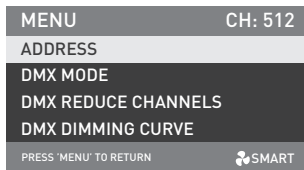
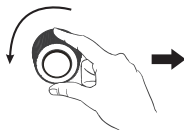
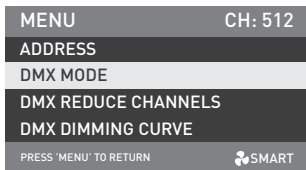
Press the MENU button to enter the menu.



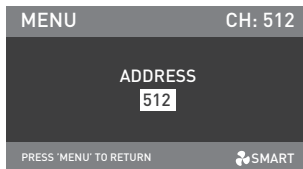
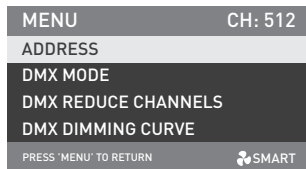
Rotate the right knob to ADDRESS/DMX.



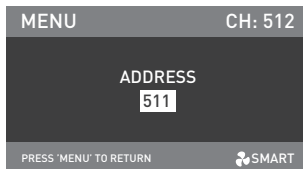
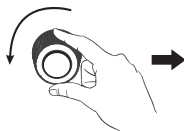
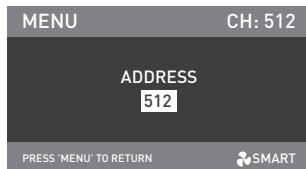
Press the right knob to enter the secondary menu.



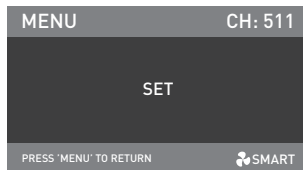
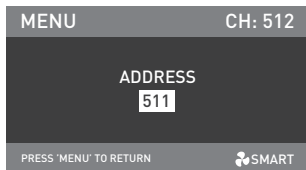
Rotate the right knob to ADDRESS.



Press the right knob to enter the tertiary menu.



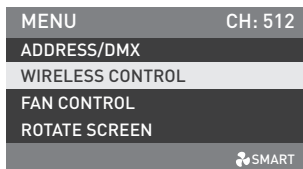
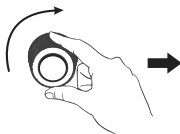
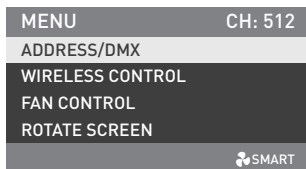
Rotate the right knob to select the address.



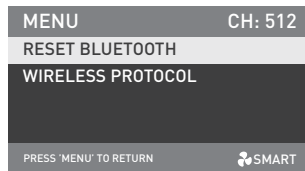
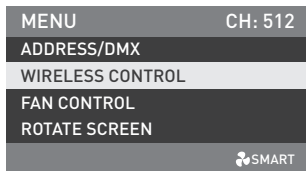
Press the right knob to set.

Note: Each FC-120C occupies 21 channels. When using DMX or RDM to control multiple FC-120C, the address for the first fixture can be set to 001, the second to 022, the third to 043, and so on.

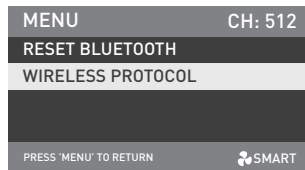
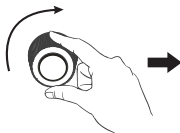
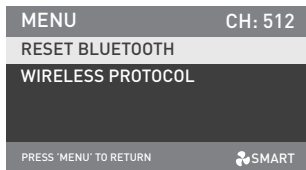
1.2 Wireless Protocol Setting



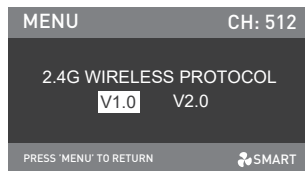
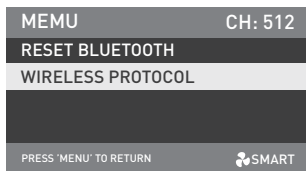
Rotate the right knob to WIRELESS CONTROL.



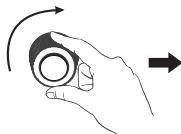
Press the right knob to enter the secondary menu.



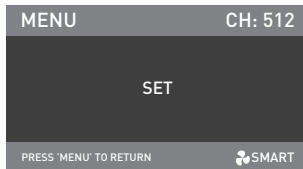
Rotate the right knob to WIRELESS PROTOCOL.



Press the right knob to enter the next menu.



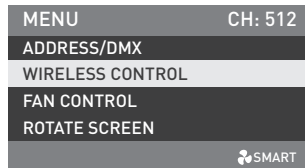
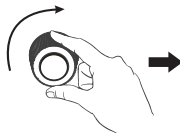
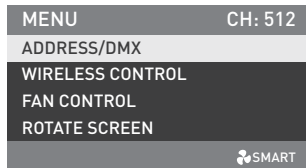
Rotate the right knob to select V1.0 or V2.0.



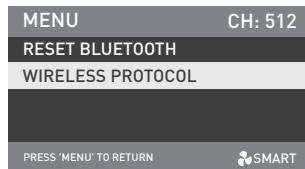
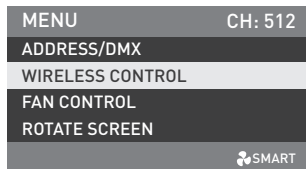
Press the right knob to set.

2. Bluetooth Control

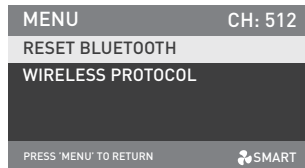
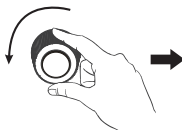
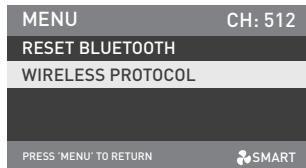
Bluetooth reset should be done on the fixture before using the NANLINK APP to control.



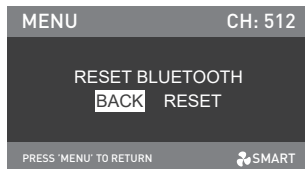
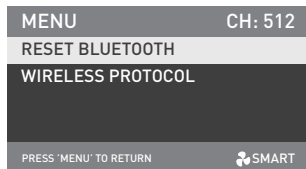
Rotate the right knob to WIRELESS CONTROL.



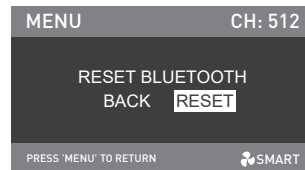
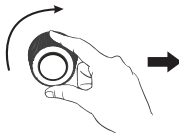
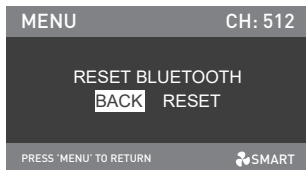
Press the right knob to enter the secondary menu.



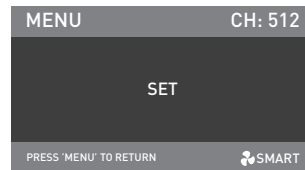
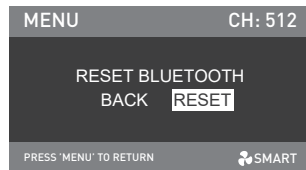
Rotate the right knob to RESET BLUETOOTH.



Press the right knob to enter the tertiary menu.



Rotate the right knob to RESET.



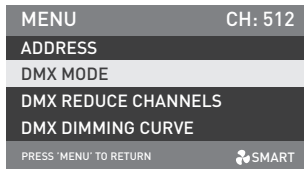
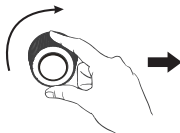
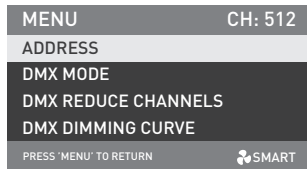
Press the right knob to set.

3. DMX Control

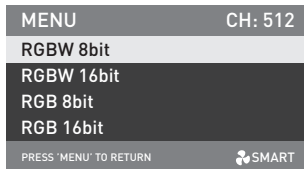
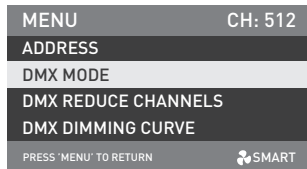
3.1 For address setting, please refer to the instructions in section 1.1.

3.2 DMX Setting

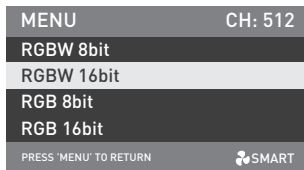
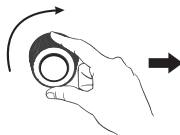
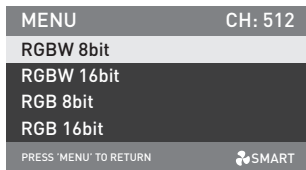
① DMX Mode



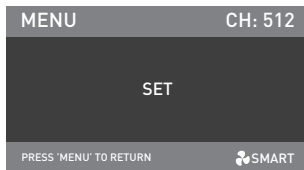
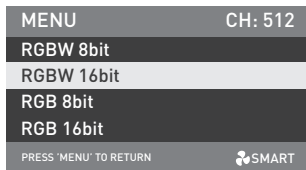
Rotate the right knob to DMX MODE.



Press the right knob to enter the tertiary menu.

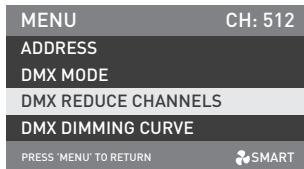
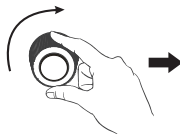
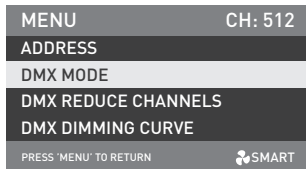


Rotate the right knob to select the desired DMX mode.

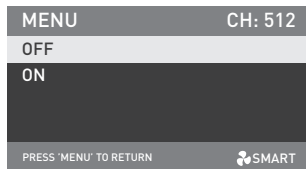
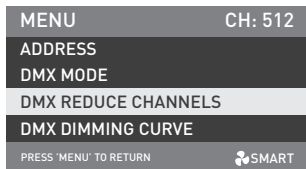


Press the right knob to set.

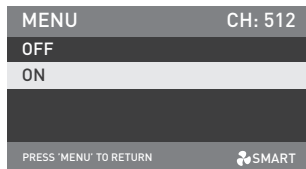
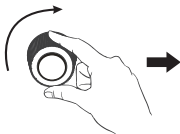
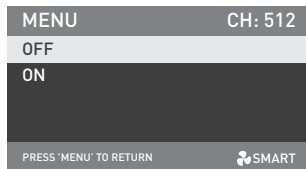
② DMX REDUCE CHANNELS



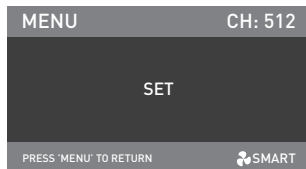
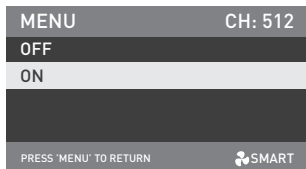
Rotate the right knob to DMX REDUCE CHANNELS.



Press the right knob to enter the tertiary menu.



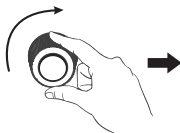
Rotate the right knob to select ON or OFF.



Press the right knob to set.

③ DMX DIMMING CURVE

MENU	CH: 512
ADDRESS	
DMX MODE	
DMX REDUCE CHANNELS	
DMX DIMMING CURVE	
PRESS 'MENU' TO RETURN	SMART



MENU	CH: 512
ADDRESS	
DMX MODE	
DMX REDUCE CHANNELS	
DMX DIMMING CURVE	
PRESS 'MENU' TO RETURN	SMART

Rotate the right knob to DMX DIMMING CURVE.

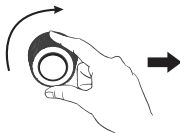
MENU	CH: 512
ADDRESS	
DMX MODE	
DMX REDUCE CHANNELS	
DMX DIMMING CURVE	
PRESS 'MENU' TO RETURN	SMART



MENU	CH: 512
LINEAR	
EXPONENT	
LOGARITHM	
S CURVE	
PRESS 'MENU' TO RETURN	SMART

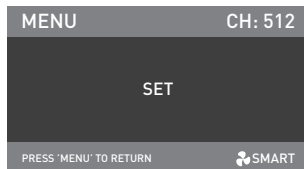
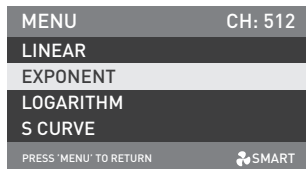
Press the right knob to enter the tertiary menu.

MENU	CH: 512
LINEAR	
EXPONENT	
LOGARITHM	
S CURVE	
PRESS 'MENU' TO RETURN	SMART



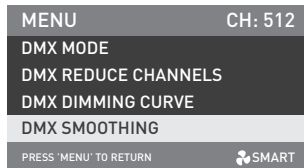
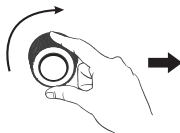
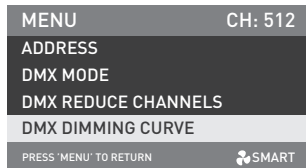
MENU	CH: 512
LINEAR	
EXPONENT	
LOGARITHM	
S CURVE	
PRESS 'MENU' TO RETURN	SMART

Rotate the right knob to select the desired dimming curve.

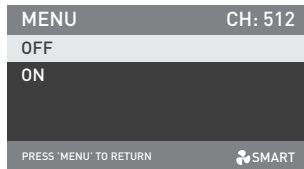
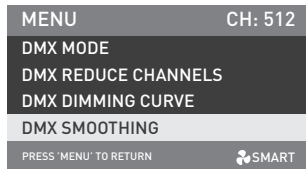


Press the right knob to set.

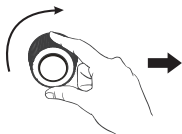
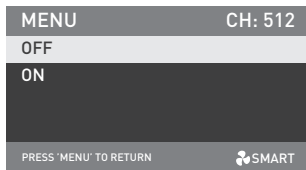
④ DMX SMOOTHING



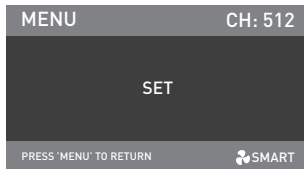
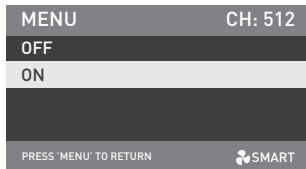
Rotate the right knob to DMX SMOOTHING.



Press the right knob to enter the tertiary menu.



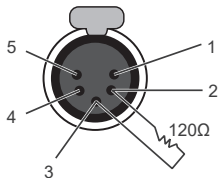
Rotate the right knob to select ON or OFF.



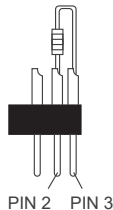
Press the right knob to set.

3.3 DMX Connection

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



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 fixture.



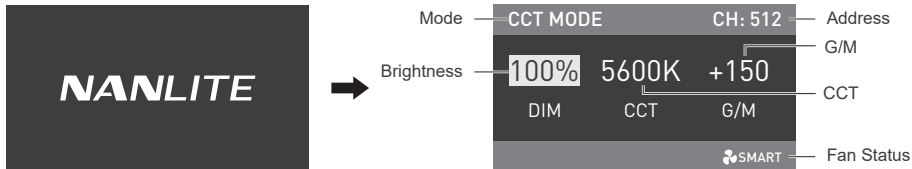
3.4 DMX Control

Refer to the DMX Charts and control the fixture via DMX/RDM console. (For detailed operation, please refer to the DMX/RDM console operation manual.)

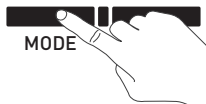
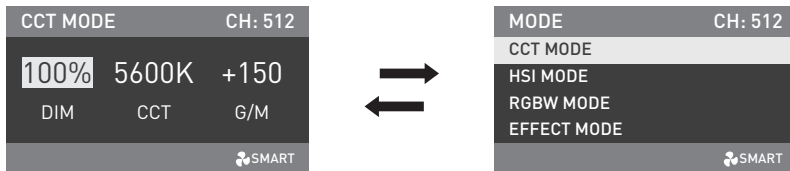
▲ Download the latest technical data from www.nanlite.com.

Operating Instructions

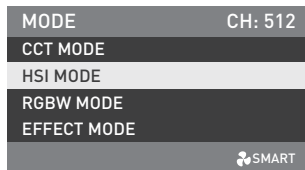
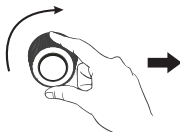
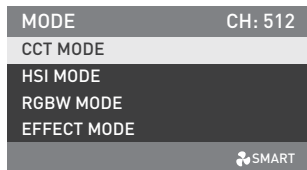
1. Make sure the fixture is off. Connect the fixture to the power outlet or battery grip, and turn on the power switch.
The screen will display "NANLITE".



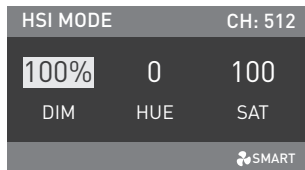
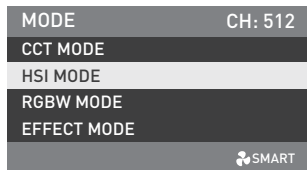
2. The FC-120C has 4 built-in lighting modes, including CCT, HSI, RGBW and EFFECT modes.



Press the MODE button on any lighting mode interface to enter the lighting mode list interface.

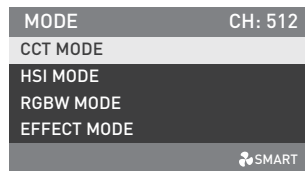
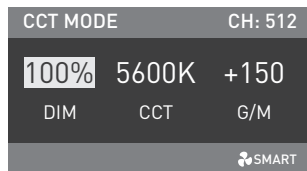


Rotate the right knob to select the desired lighting mode.

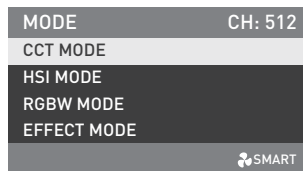
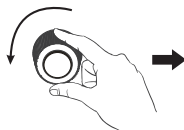
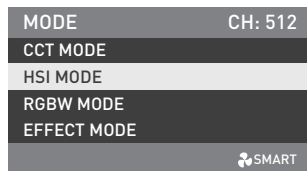


Press the right knob to enter the corresponding lighting mode interface.

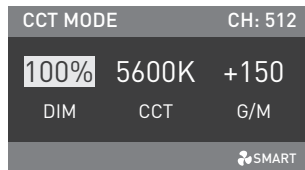
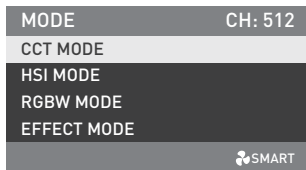
2.1 CCT Mode



Press the MODE button to enter the lighting mode list interface.

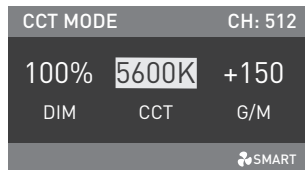
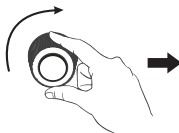
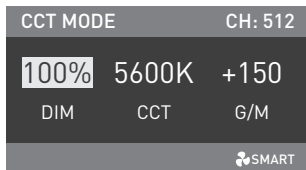


Rotate the right knob to CCT MODE.

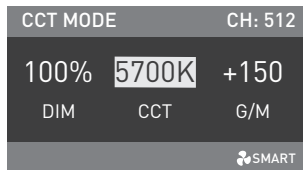
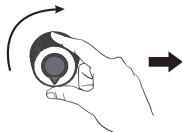
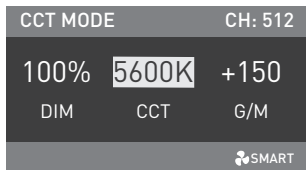


Press the right knob to enter CCT mode.

Rotate the right knob to select DIM (range: 0%-100%), CCT (range: 2700K-7500K) or G/M (range: -150 to 150), and rotate the left knob to set the corresponding parameters.



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



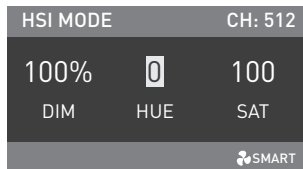
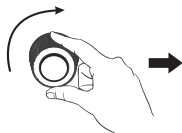
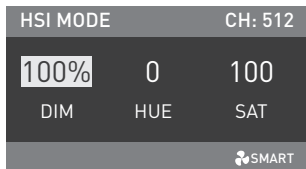
Rotate the left knob to set the corresponding parameters.

Note:

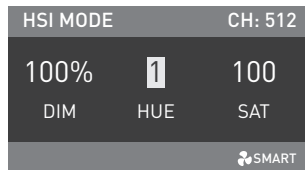
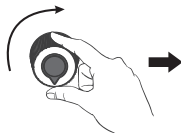
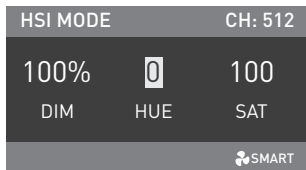
- ① In other modes, the adjusting ranges of DIM, CCT and G/M are the same as in CCT mode.
- ② In other modes, press the left knob to set the DIM to 0%, press again to restore the brightness, and press continuously to switch between on and off.

2.2 HSI Mode

Rotate the right knob to select DIM (range: 0%-100%), HUE (range: 0-360) or SAT (range: 0-100), and rotate the left knob to set the corresponding parameters.



Rotate the right knob to select DIM, HUE or SAT.

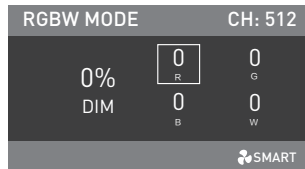
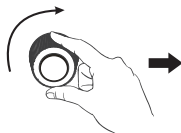
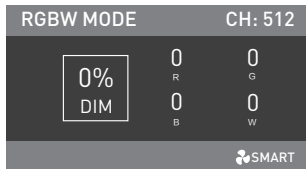


Rotate the left knob to set the corresponding parameters.

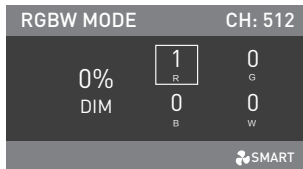
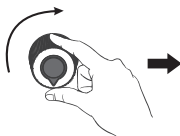
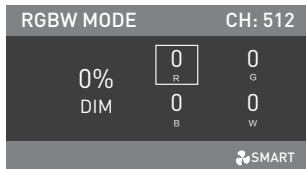
Note: In other modes, the adjusting ranges of HUE and SAT are the same as in HSI mode.

2.3 RGBW Mode

Rotate the right knob to select DIM, Red (range: 0-255), Green (range: 0-255), Blue (range: 0-255) or White (range: 0-255), and rotate the left knob to set the corresponding parameters.



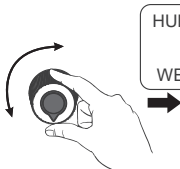
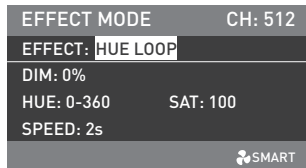
Rotate the right knob to select DIM, Red, Green, Blue or White.



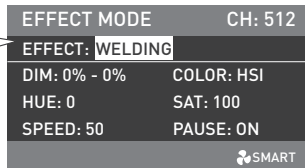
Rotate the left knob to set the corresponding parameters.

2.4 EFFECT Mode

FC-120C has 15 built-in effects, including HUE Loop, CCT Loop, INT Loop, Flash, Pulse, Storm (Storm Auto and Storm Manual), Police Car, TV, Paparazzi, Candle/Fire, Disco, Bad Bulb, Firework, Explosion (Explosion Auto and Explosion Manual) and Welding.



HUE LOOP
:
WELDING

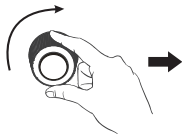


Rotate the left knob to select the desired effect, which can be selected in a loop.

① HUE LOOP

Rotate the right knob to select DIM, HUE, SAT or SPEED (range: 2s-30s), and rotate the left knob to set the corresponding parameters.

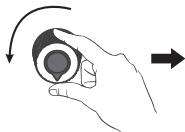
EFFECT MODE	CH: 512
EFFECT: HUE LOOP	
DIM: 100%	
HUE: 0-360	SAT: 100
SPEED: 2s	
SMART	



EFFECT MODE	CH: 512
EFFECT: HUE LOOP	
DIM: 100%	
HUE: 0-360	SAT: 100
SPEED: 2s	
SMART	

Rotate the right knob to select DIM, HUE, SAT or SPEED.

EFFECT MODE	CH: 512
EFFECT: HUE LOOP	
DIM: 100%	
HUE: 0-360	SAT: 100
SPEED: 2s	
SMART	



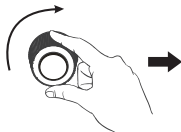
EFFECT MODE	CH: 512
EFFECT: HUE LOOP	
DIM: 99%	
HUE: 0-360	SAT: 100
SPEED: 2s	
SMART	

Rotate the left knob to set the corresponding parameters.

② CCT LOOP

Rotate the right knob to select DIM, CCT, G/M or SPEED (range: 2s-30s), and rotate the left knob to set the corresponding parameters.

EFFECT MODE	CH: 512
EFFECT: CCT LOOP	
DIM: 100%	
CCT: 3100K-5600K	G/M: 0
SPEED: 8s	
SMART	



EFFECT MODE	CH: 512
EFFECT: CCT LOOP	
DIM: 100%	
CCT: 3100K-5600K	G/M: 0
SPEED: 8s	
SMART	

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

EFFECT MODE	CH: 512
EFFECT: CCT LOOP	
DIM: 100%	
CCT: 3100K-5600K	G/M: 0
SPEED: 8s	
SMART	



EFFECT MODE	CH: 512
EFFECT: CCT LOOP	
DIM: 99%	
CCT: 3100K-5600K	G/M: 0
SPEED: 8s	
SMART	

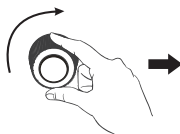
Rotate the left knob to set the corresponding parameters.

③ INT LOOP

Rotate the right knob to select DIM or COLOR (CCT or HSI).

When the COLOR is set to CCT, rotate the right knob to select CCT, G/M, or SPEED (range: 2s-30s), and rotate the left knob to set the corresponding parameters.

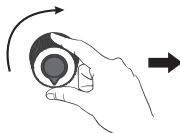
EFFECT MODE		CH: 512
EFFECT: INT LOOP		
DIM: 0% - 100%		
COLOR: CCT	CCT: 5600K	
G/M: 0	SPEED: 8s	
 SMART		



EFFECT MODE		CH: 512
EFFECT:INT LOOP		
DIM: 0% - 100%		
COLOR: CCT	CCT: 5600K	
G/M: 0	SPEED: 8s	
		 SMART

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

EFFECT MODE		CH: 512
EFFECT:INT LOOP		
DIM: 0% - 100%		
COLOR: CCT	CCT: 5600K	
G/M: 0	SPEED: 8s	
 SMART		



EFFECT MODE		CH: 512
EFFECT:INT LOOP		
DIM: 1% - 100%		
COLOR: CCT	CCT: 5600K	
G/M: 0	SPEED: 8s	
 SMART		

Rotate the left knob to set the corresponding parameters.

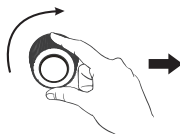
When the COLOR is set to HSI, rotate the right knob to select HUE, SAT, or SPEED (range: 2s-30s), and rotate the left knob to set the corresponding parameters. (Same operation as when COLOR is set to CCT)

④ FLASH

Rotate the right knob to select DIM or COLOR (CCT or HSI).

When the COLOR is set to CCT, rotate the right knob to select CCT, G/M or INTERVALS (range: 0.1s-10.0s), and rotate the left knob to set the corresponding parameters.

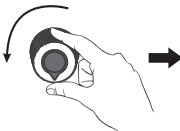
EFFECT MODE		CH: 512
EFFECT: FLASH		
DIM: 100%		
COLOR: CCT	CCT: 5600K	
G/M: 0	INTERVALS: 2.2s	
 SMART		



EFFECT MODE		CH: 512
EFFECT: FLASH		
DIM: 100%		
COLOR: CCT	CCT: 5600K	
G/M: 0	INTERVALS: 2.2s	
		

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

EFFECT MODE		CH: 512
EFFECT: FLASH		
DIM: 100%		
COLOR: CCT	CCT: 5600K	
G/M: 0	INTERVALS: 2.2s	
		



EFFECT MODE		CH: 512
EFFECT: FLASH		
DIM: 99%		
COLOR: CCT	CCT: 5600K	
G/M: 0	INTERVALS: 2.2s	
 SMART		

Rotate the left knob to set the corresponding parameters.

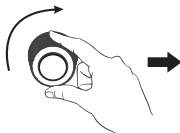
When the COLOR is set to HSI, rotate the right knob to select HUE, SAT or INTERVALS (range: 0.1s-10.0s), and rotate the left knob to set the corresponding parameters. (Same operation as when COLOR is set to CCT)

⑤ PULSE

Rotate the right knob to select DIM or COLOR (CCT or HSI).

When the COLOR is set to CCT, rotate the right knob to select CCT, G/M or PULSES/MIN (range: 1-240), and rotate the left knob to set the corresponding parameters.

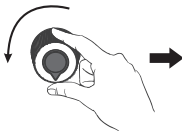
EFFECT MODE		CH: 512
EFFECT: PULSE		
DIM: 100%		
COLOR: CCT	CCT: 5600K	
G/M: 0	PULSES/MIN: 40	
 SMART		



EFFECT MODE		CH: 512
EFFECT: PULSE		
DIM: 100%		
COLOR: CCT	CCT: 5600K	
G/M: 0	PULSES/MIN: 40	
		

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

EFFECT MODE		CH: 512
EFFECT: PULSE		
DIM: 100%		
COLOR: CCT	CCT: 5600K	
G/M: 0	PULSES/MIN: 40	
 SMART		



EFFECT MODE		CH: 512
EFFECT: PULSE		
DIM: 99%		
COLOR: CCT	CCT: 5600K	
G/M: 0	PULSES/MIN: 40	
		 SMART

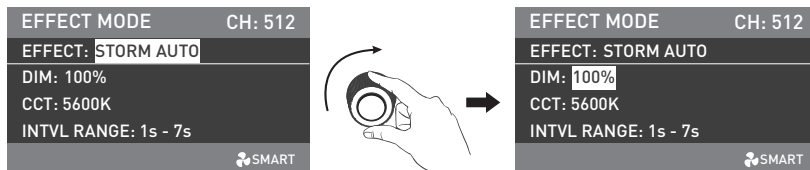
Rotate the left knob to set the corresponding parameters.

When the COLOR is set to HSI, rotate the right knob to select HUE, SAT or PULSES/MIN (range: 1-240), and rotate the left knob to set the corresponding parameters. (Same operation as when COLOR is set to CCT)

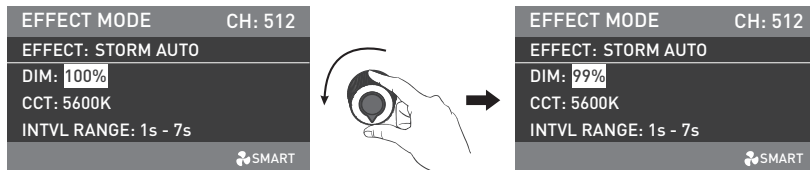
⑥ STORM (STORM AUTO and STORM MANUAL)

STORM AUTO

Rotate the right knob to select DIM, CCT or INTERVAL RANGE (range: 1s-60s) , and rotate the left knob to set the corresponding parameters.



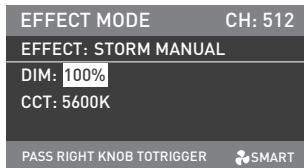
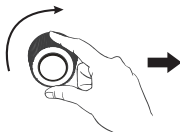
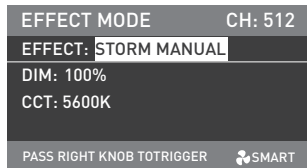
Rotate the right knob to select DIM, CCT or INTERVAL RANGE.



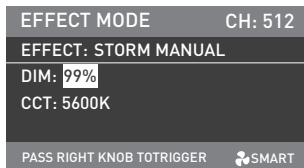
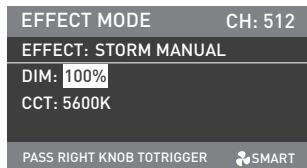
Rotate the left knob to set the corresponding parameters.

STORM MANUAL

Rotate the right knob to select DIM or CCT, rotate the left knob to set the corresponding parameters, and press the right knob to trigger the storm effect.



Rotate the right knob to select DIM or CCT.



Rotate the left knob to set the corresponding parameters.

EFFECT MODE	CH: 512
EFFECT: STORM MANUAL	
DIM: 99%	
CCT: 5600K	
PASS RIGHT KNOB TOTRIGGER 	

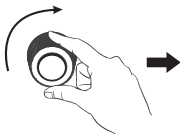


Press the right knob to trigger the storm effect.

⑦ POLICE CAR

Rotate the right knob to select DIM, COLOR (range: BLUE, RED&BLUE, BLUE&WHITE, RED&BLUE&WHITE), MODE (range: SINGLE, DOUBLE, TRIPLE, QUAD) or SPEED (range: 1-100), and rotate the left knob to set the corresponding parameters.

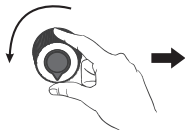
EFFECT MODE	CH: 512
EFFECT: POLICE CAR	
DIM: 100%	
COLOR: RED&BLUE&WHITE	
MODE: QUAD	SPEED:50
	



EFFECT MODE	CH: 512
EFFECT: POLICE CAR	
DIM: 100%	
COLOR: RED&BLUE&WHITE	
MODE: QUAD	SPEED:50
	

Rotate the right knob to select DIM, COLOR, MODE or SPEED.

EFFECT MODE	CH: 512
EFFECT: POLICE CAR	
DIM: 100%	
COLOR: RED&BLUE&WHITE	
MODE: QUAD	SPEED:50
SMART	



EFFECT MODE	CH: 512
EFFECT: POLICE CAR	
DIM: 99%	
COLOR: RED&BLUE&WHITE	
MODE: QUAD	SPEED:50
SMART	

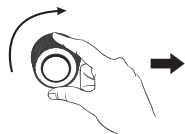
Rotate the left knob to set the corresponding parameters.

⑧ TV

Rotate the right knob to select DIM or COLOR (CCT or HSI).

When the COLOR is set to CCT, rotate the right knob to select CCT, G/M or SPEED (range: 1-100), and rotate the left knob to set the corresponding parameters.

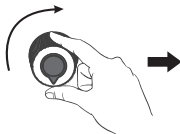
EFFECT MODE	CH: 512
EFFECT: TV	
DIM: 0% - 100%	
COLOR: CCT	CCT: 5600K
G/M: 0	SPEED:50
SMART	



EFFECT MODE	CH: 512
EFFECT: TV	
DIM: 0% - 100%	
COLOR: CCT	CCT: 5600K
G/M: 0	SPEED:50
SMART	

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

EFFECT MODE	CH: 512
EFFECT: TV	
DIM: 0% - 100%	
COLOR: CCT	CCT: 5600K
G/M: 0	SPEED:50
SMART	



EFFECT MODE	CH: 512
EFFECT: TV	
DIM: 1% - 100%	
COLOR: CCT	CCT: 5600K
G/M: 0	SPEED:50
SMART	

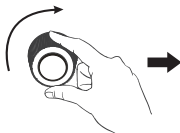
Rotate the left knob to set the corresponding parameters.

When the COLOR is set to HSI, rotate the right knob to select HUE, SAT or SPEED (range: 1-100), and rotate the left knob to set the corresponding parameters. (Same operation as when COLOR is set to CCT)

⑨ PAPARAZZI

Rotate the right knob to select DIM, CCT, G/M or SPEED (range: 1-100), and rotate the left knob to set the corresponding parameters.

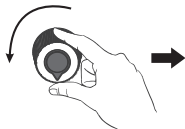
EFFECT MODE	CH: 512
EFFECT: PAPARAZZI	
DIM: 100%	
CCT: 5600K	G/M: 0
SPEED:50	
SMART	



EFFECT MODE	CH: 512
EFFECT: PAPARAZZI	
DIM: 100%	
CCT: 5600K	G/M: 0
SPEED:50	
SMART	

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

EFFECT MODE	CH: 512
EFFECT: PAPARAZZI	
DIM: 100%	
CCT: 5600K	G/M: 0
SPEED:50	
SMART	



EFFECT MODE	CH: 512
EFFECT: PAPARAZZI	
DIM: 99%	
CCT: 5600K	G/M: 0
SPEED:50	
SMART	

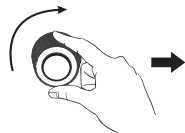
Rotate the left knob to set the corresponding parameters.

⑩ CANDLE/FIRE

Rotate the right knob to select DIM or COLOR (CCT or HSI).

When the COLOR is set to CCT, rotate the right knob to select CCT, G/M or SPEED (range: 1-100), and rotate the left knob to set the corresponding parameters.

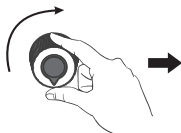
EFFECT MODE	CH: 512
EFFECT: CANDLE/FIRE	
DIM: 0% - 100%	
COLOR: CCT	CCT: 5600K
G/M: 0	SPEED:50
SMART	



EFFECT MODE	CH: 512
EFFECT: CANDLE/FIRE	
DIM: 0% - 100%	
COLOR: CCT	CCT: 5600K
G/M: 0	SPEED:50
SMART	

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

EFFECT MODE	CH: 512
EFFECT: CANDLE/FIRE	
DIM: 0% - 100%	
COLOR: CCT	CCT: 5600K
G/M: 0	SPEED:50
SMART	



EFFECT MODE	CH: 512
EFFECT: CANDLE/FIRE	
DIM: 1% - 100%	
COLOR: CCT	CCT: 5600K
G/M: 0	SPEED:50
SMART	

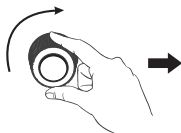
Rotate the left knob to set the corresponding parameters.

When the COLOR is set to HSI, rotate the right knob to select HUE, SAT or SPEED (range: 1-100), and rotate the left knob to set the corresponding parameters. (Same operation as when COLOR is set to CCT)

⑪ DISCO

Rotate the right knob to select DIM, AMOUNT (range: 3, 6, 9, 12, 15, 18, 21, 24), SAT or SPEED (range: 1-100) , and rotate the left knob to set the corresponding parameters.

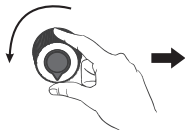
EFFECT MODE	CH: 512
EFFECT: DISCO	
DIM: 100%	
AMOUNT: 9	SAT: 100
SPEED:50	
SMART	



EFFECT MODE	CH: 512
EFFECT: DISCO	
DIM: 100%	
AMOUNT: 9	SAT: 100
SPEED:50	
SMART	

Rotate the right knob to select DIM, AMOUNT, SAT or SPEED.

EFFECT MODE	CH: 512
EFFECT: DISCO	
DIM: 100%	
AMOUNT: 9	SAT: 100
SPEED:50	
SMART	



EFFECT MODE	CH: 512
EFFECT: DISCO	
DIM: 99%	
AMOUNT: 9	SAT: 100
SPEED:50	
SMART	

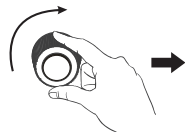
Rotate the left knob to set the corresponding parameters.

⑫ BAD BULB

Rotate the right knob to select DIM or COLOR (CCT or HSI).

When the COLOR is set to CCT, rotate the right knob to select CCT, G/M or SPEED (range: 1-100), and rotate the left knob to set the corresponding parameters.

EFFECT MODE	CH: 512
EFFECT: BAD BULB	
DIM: 100%	
COLOR: CCT	CCT: 5600K
G/M: 0	SPEED:50
SMART	



EFFECT MODE	CH: 512
EFFECT: BAD BULB	
DIM: 100%	
COLOR: CCT	CCT: 5600K
G/M: 0	SPEED:50
SMART	

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

EFFECT MODE		CH: 512
EFFECT: BAD BULB		
DIM:	100%	
COLOR: CCT	CCT: 5600K	
G/M: 0	SPEED:50	
 SMART		



EFFECT MODE		CH: 512
EFFECT: BAD BULB		
DIM: 99%		
COLOR: CCT	CCT: 5600K	
G/M: 0	SPEED:50	
 SMART		

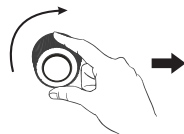
Rotate the left knob to set the corresponding parameters.

When the COLOR is set to HSI, rotate the right knob to select HUE, SAT or SPEED (range: 1-100), and rotate the left knob to set the corresponding parameters. (Same operation as when COLOR is set to CCT)

⑬ FIREWORK

Rotate the right knob to select DIM, AMOUNT (range: 3, 6, 9, 12, 15, 18, 21, 24), SAT, DECAY (range: 1-100) or SPEED (range: 1-100), and rotate the left knob to set the corresponding parameters.

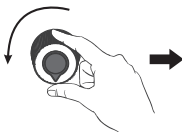
EFFECT MODE		CH: 512
EFFECT: FIREWORK		
DIM: 100%		
AMOUNT: 9	SAT: 100	
SPEED:50	SPEED:50	
 SMART		



EFFECT MODE		CH: 512
EFFECT: FIREWORK		
DIM:	100%	
AMOUNT: 9	SAT: 100	
SPEED:50	SPEED:50	
 SMART		

Rotate the right knob to select DIM, AMOUNT, SAT, DECAY or SPEED.

EFFECT MODE	CH: 512
EFFECT: FIREWORK	
DIM: 100%	
AMOUNT: 9	SAT: 100
SPEED: 50	SPEED: 50
SMART	



EFFECT MODE	CH: 512
EFFECT: FIREWORK	
DIM: 99%	
AMOUNT: 9	SAT: 100
SPEED: 50	SPEED: 50
SMART	

Rotate the left knob to set the corresponding parameters.

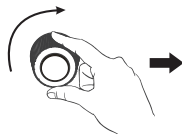
⑭EXPLOSION (EXPLOSION AUTO and EXPLOSION MANUAL)

EXPLOSION AUTO

Rotate the right knob to select DIM or COLOR (CCT or HSI).

When the COLOR is set to CCT, rotate the right knob to select CCT, G/M or SPEED (range: 1-100), and rotate the left knob to set the corresponding parameters.

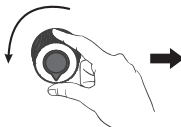
EFFECT MODE	CH: 512
EFFECT: EXPLOSION AUTO	
DIM: 100%	
COLOR: CCT	CCT: 5600K
G/M: 0	SPEED: 50
SMART	



EFFECT MODE	CH: 512
EFFECT: EXPLOSION AUTO	
DIM: 100%	
COLOR: CCT	CCT: 5600K
G/M: 0	SPEED: 50
SMART	

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

EFFECT MODE		CH: 512
EFFECT: EXPLOSION AUTO		
DIM: 100%		
COLOR: CCT	CCT: 5600K	
G/M: 0	SPEED: 50	
SMART		



EFFECT MODE		CH: 512
EFFECT: EXPLOSION AUTO		
DIM: 99%		
COLOR: CCT	CCT: 5600K	
G/M: 0	SPEED: 50	
SMART		

Rotate the left knob to set the corresponding parameters.

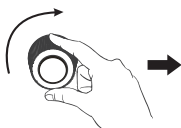
When the COLOR is set to HSI, rotate the right knob to select HUE, SAT or SPEED (range: 1-100), and rotate the left knob to set the corresponding parameters. (Same operation as when COLOR is set to CCT)

EXPLOSION MANUAL

Rotate the right knob to select DIM or COLOR (CCT or HSI).

When the COLOR is set to CCT, rotate the right knob to select CCT or G/M, and rotate the left knob to set the corresponding parameters.

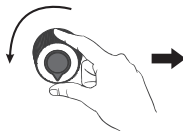
EFFECT MODE		CH: 512
EFFECT: EXPLOSION MANUAL		
DIM: 100%		
COLOR: CCT	CCT: 5600K	
G/M: 0		
PASS RIGHT KNOB TOTRIGGER SMART		



EFFECT MODE		CH: 512
EFFECT: EXPLOSION MANUAL		
DIM: 100%		
COLOR: CCT	CCT: 5600K	
G/M: 0		
PASS RIGHT KNOB TOTRIGGER SMART		

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

EFFECT MODE	CH: 512
EFFECT: EXPLOSION MANUAL	
DIM: 100%	
COLOR: CCT	CCT: 5600K
G/M: 0	
PASS RIGHT KNOB TOTRIGGER  SMART	



EFFECT MODE	CH: 512
EFFECT: EXPLOSION MANUAL	
DIM: 99%	
COLOR: CCT	CCT: 5600K
G/M: 0	
PASS RIGHT KNOB TOTRIGGER  SMART	

Rotate the left knob to set the corresponding parameters.

EFFECT MODE	CH: 512
EFFECT: EXPLOSION MANUAL	
DIM: 99%	
COLOR: CCT	CCT: 5600K
G/M: 0	
PASS RIGHT KNOB TOTRIGGER  SMART	



Press the right knob to trigger the explosion effect.

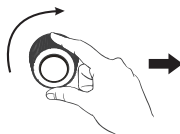
When the COLOR is set to HSI, rotate the right knob to select HUE or SAT, and rotate the left knob to set the corresponding parameters. (Same operation as when COLOR is set to CCT)

⑮ WELDING

Rotate the right knob to select DIM or COLOR (CCT or HSI).

When the COLOR is set to CCT, rotate the right knob to select CCT, G/M, SPEED (range: 1-100) or PAUSE (ON or OFF), and rotate the left knob to set the corresponding parameters.

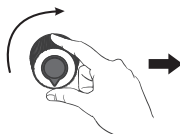
EFFECT MODE		CH: 512
EFFECT: WELDING		
DIM: 0% - 100%	COLOR: CCT	
CCT: 5600K	G/M: 0	
SPEED:50	PAUSE: ON	
 SMART		



EFFECT MODE		CH: 512
EFFECT: WELDING		
DIM: 0% - 100%	COLOR: CCT	
CCT: 5600K	G/M: 0	
SPEED:50	PAUSE: ON	
		 SMART

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

EFFECT MODE		CH: 512
EFFECT: WELDING		
DIM: 0% - 100%	COLOR: CCT	
CCT: 5600K	G/M: 0	
SPEED:50	PAUSE: ON	
		



EFFECT MODE		CH: 512
EFFECT: WELDING		
DIM: 1% - 100%	COLOR: CCT	
CCT: 5600K	G/M: 0	
SPEED:50	PAUSE: ON	
 SMART		

Rotate the left knob to set the corresponding parameters.

When the COLOR is set to HSI, rotate the right knob to select HUE, SAT, SPEED (range: 1-100) or PAUSE (ON or OFF), and rotate the left knob to set the corresponding parameters.

(Same operation as when COLOR is set to CCT)

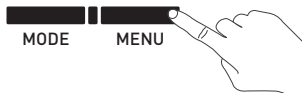
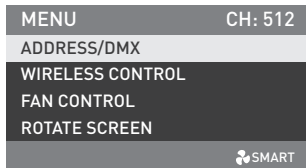
NOTE: When the PAUSE is on, the welding effect will pause.

▲ Some Effect functions may be updated with firmware upgrades.

Please refer to the latest firmware function description at www.nanlite.com.

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

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



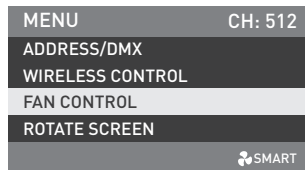
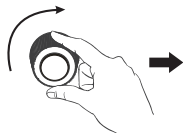
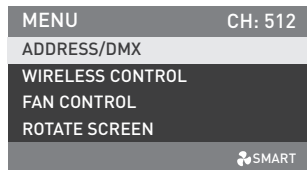
3.1 ADDRESS/DMX

For detailed operations, please refer to P7.

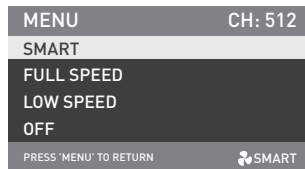
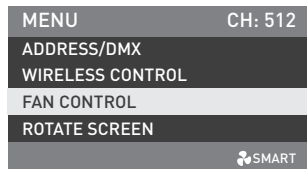
3.2 WIRELESS CONTROL

For detailed operations, please refer to P10.

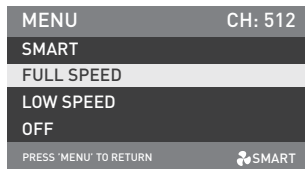
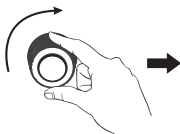
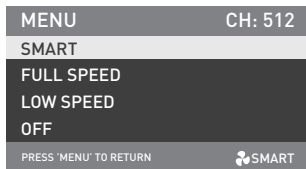
3.3 FAN CONTROL



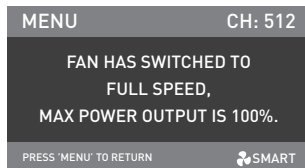
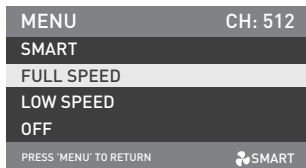
Rotate the right knob to FAN CONTROL.



Press the right knob to enter the secondary menu.



Rotate the right knob to select SMART, FULL SPEED, LOW SPEED or OFF.



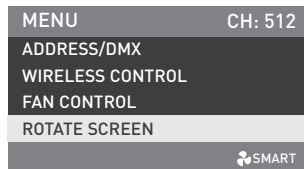
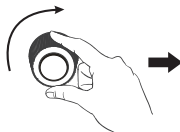
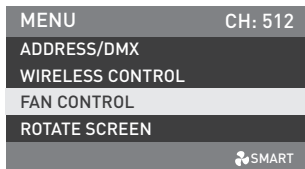
Press the right knob to set.

Note: When the fan is in SMART or FULL SPEED mode, the maximum power output of the fixture is 100%.

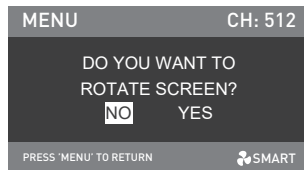
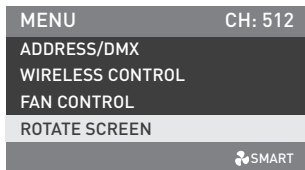
When the fan is in LOW SPEED mode, the maximum power output of the fixture is 50%.

When the fan is in OFF mode, the interior fan will stop working, and the maximum power output of the fixture is 12%.

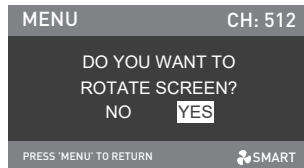
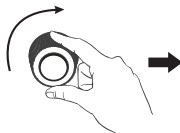
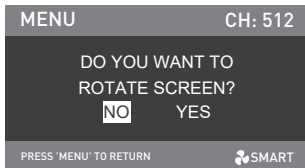
3.4 ROTATE SCREEN



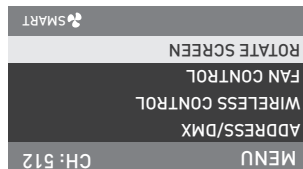
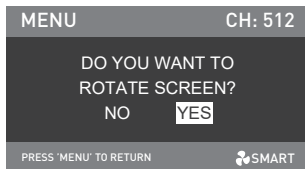
Rotate the right knob to ROTATE SCREEN.



Press the right knob to enter the secondary menu.

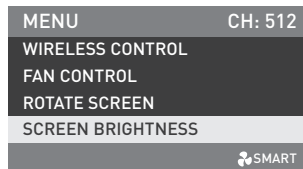
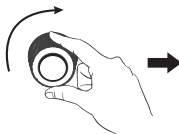
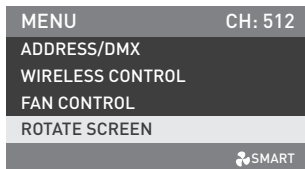


Rotate the right knob to select YES or NO.

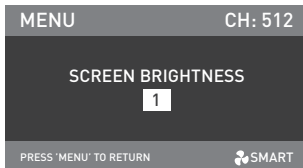
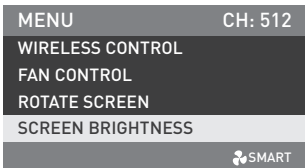


Press the right knob to set.

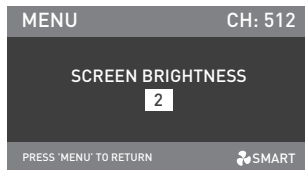
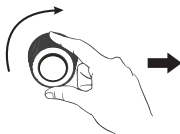
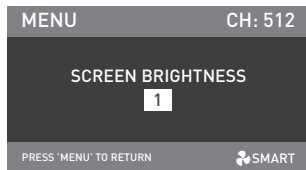
3.5 SCREEN BRIGHTNESS



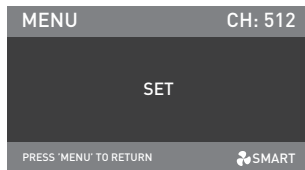
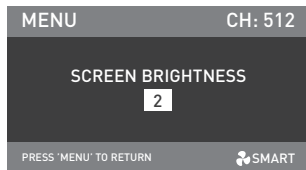
Rotate the right knob to SCREEN BRIGHTNESS.



Press the right knob to enter the secondary menu.

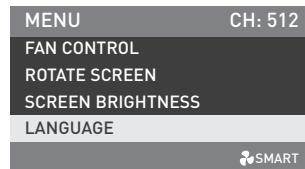
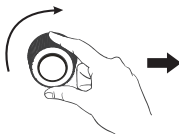
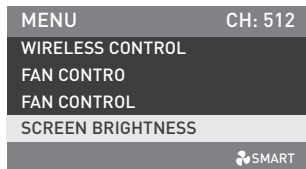


Rotate the right knob to select the screen brightness.

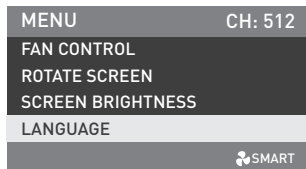


Press the right knob to set.

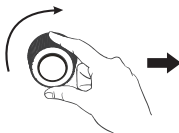
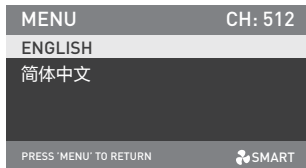
3.6 LANGUAGE



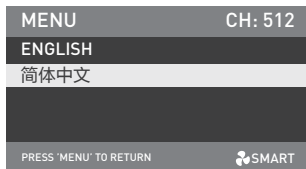
Rotate the right knob to LANGUAGE.



Press the right knob to enter the secondary menu.



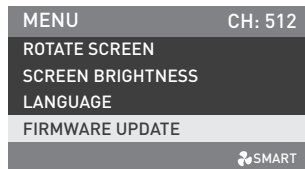
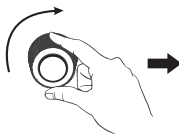
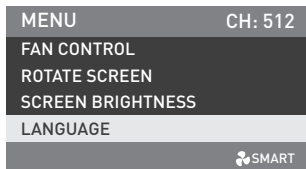
Rotate the right knob to select ENGLISH or 简体中文.



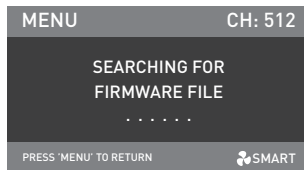
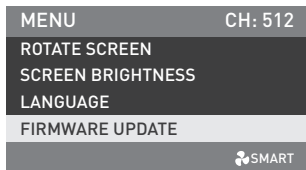
Press the right knob to set.

3.7 FIRMWARE UPDATE

Put the firmware files into the root directory of the USB drive (ensure the versions of the firmware files are the same), and insert the USB drive to the USB-C port.



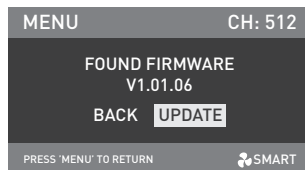
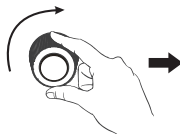
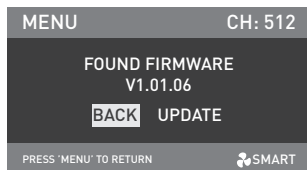
Rotate the right knob to FIRMWARE UPDATE.



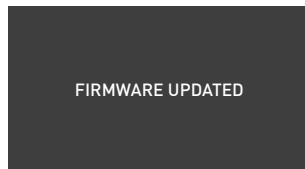
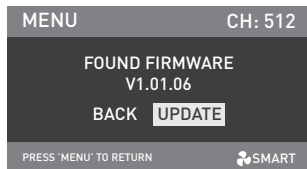
Press the right knob to enter the interface of searching for the firmware files.

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 "NO FIRMWARE FOUND", please check whether the firmware files are correct, whether the firmware file is stored in the root directory of the USB drive, or whether the USB drive format is FAT, FAT32 or exFAT.
- ④ If all the above steps are done and the firmware files still cannot be found, please format the USB drive again.
- ⑤ If the light fixture still cannot identify the USB drive, please replace the USB drive.

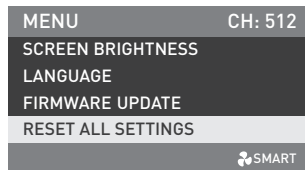
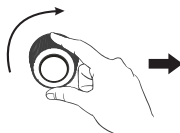
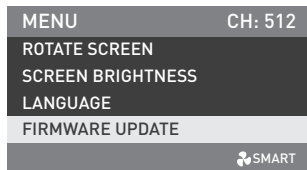


After the firmware file is found, enter the firmware update interface, and rotate the right knob to select UPDATE.

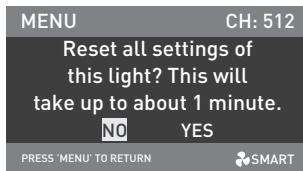
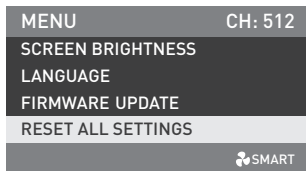


Press the right knob to confirm the update. After update, the light fixture will automatically restart.

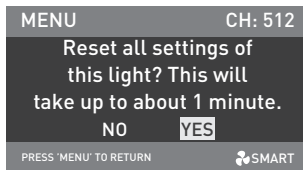
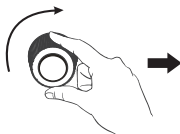
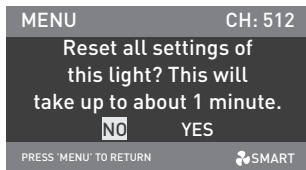
3.8 RESET ALL SETTINGS



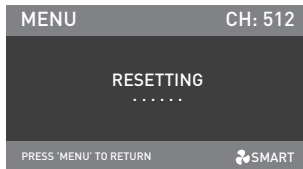
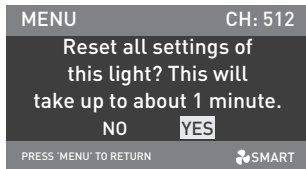
Rotate the right knob to RESET ALL SETTINGS.



Press the right knob to enter the secondary menu.

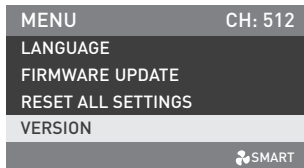
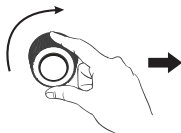
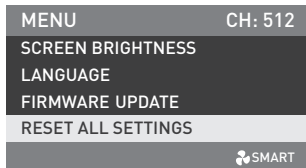


Rotate the right knob to select YES or NO.

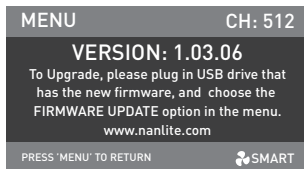
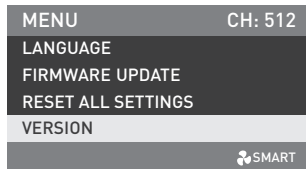


Press the right knob to set.

3.9 VERSION



Rotate the right knob to VERSION.



Press the right knob to check the current version.

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

■ General Fault Detection and Diagnosis

Fault Detection	Diagnosis
The fixture can't power up.	1. Please check whether the connection between the power adapter and the cable or fixture is loose. 2. Please check whether the voltage value of power adapter 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 adapter cable is connected correctly and without damaged.
The fan doesn't work.	1. Please check whether the fan is in OFF mode. 2. Please contact the place of purchase or manufacturer for repair if the fan is damaged.

Please scan the QR code for more details.



DMX Charts



Nanlite Website

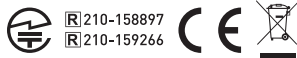


Nanlink App

This manual has been compiled based on rigorous testing for Nanlite products.
For any subsequent product changes,
the latest manual of this product can be downloaded from www.nanlite.com.

Certification

RoHS **FC** **UK**
CA



Made in China

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