

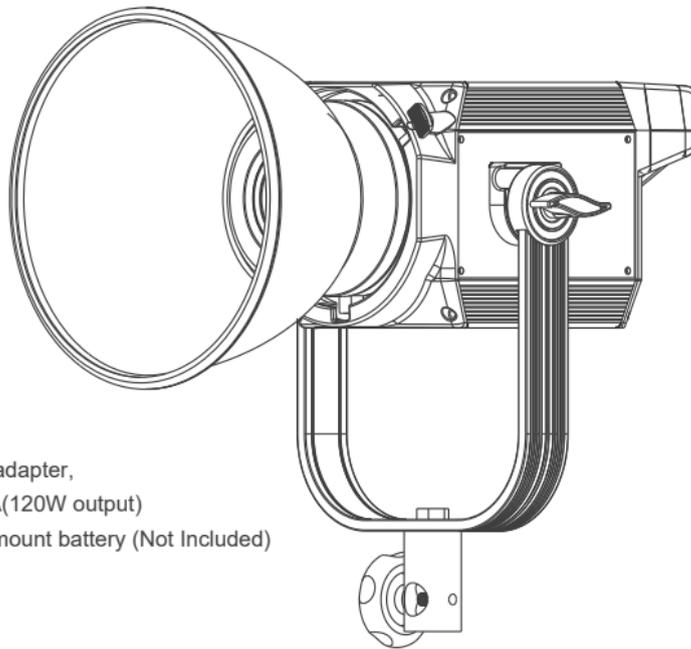
NANLITE

Forza 200
USER MANUAL

Guangdong NanGuang Photo&Video Systems Co., Ltd

Forza 200 LED Daylight Spot Light

■ Product Diagram



■ Technical Data

LED total power: 200W

Rated power: 220W

Input voltage/current: 24V/10.4A power adapter,
14.4V - 14.8 V/12A(120W output)
26V/12A Sony V-mount battery (Not Included)

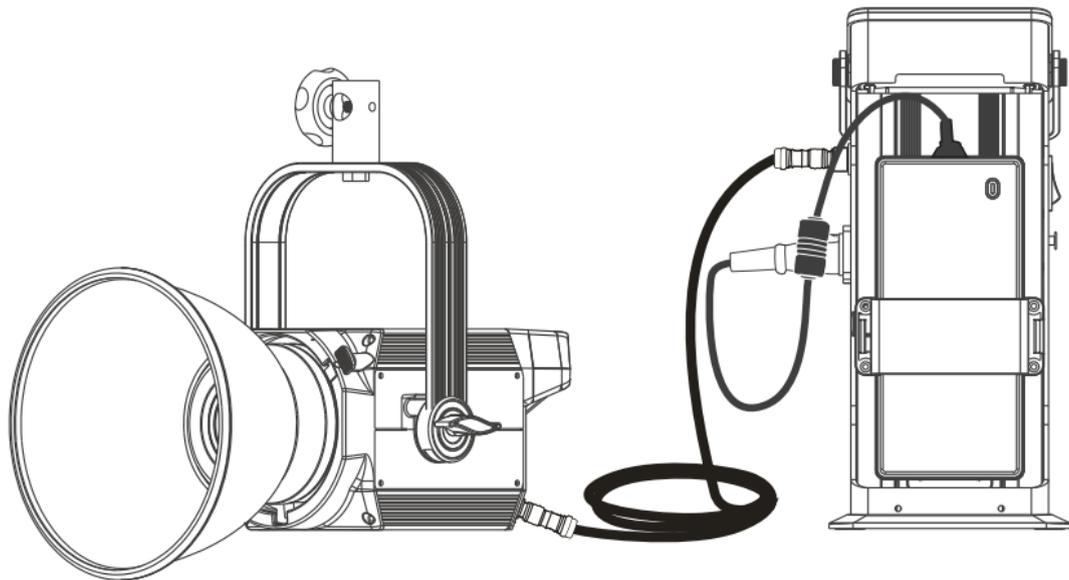
Color Temperature: 3200K/5600K

CRI: 98

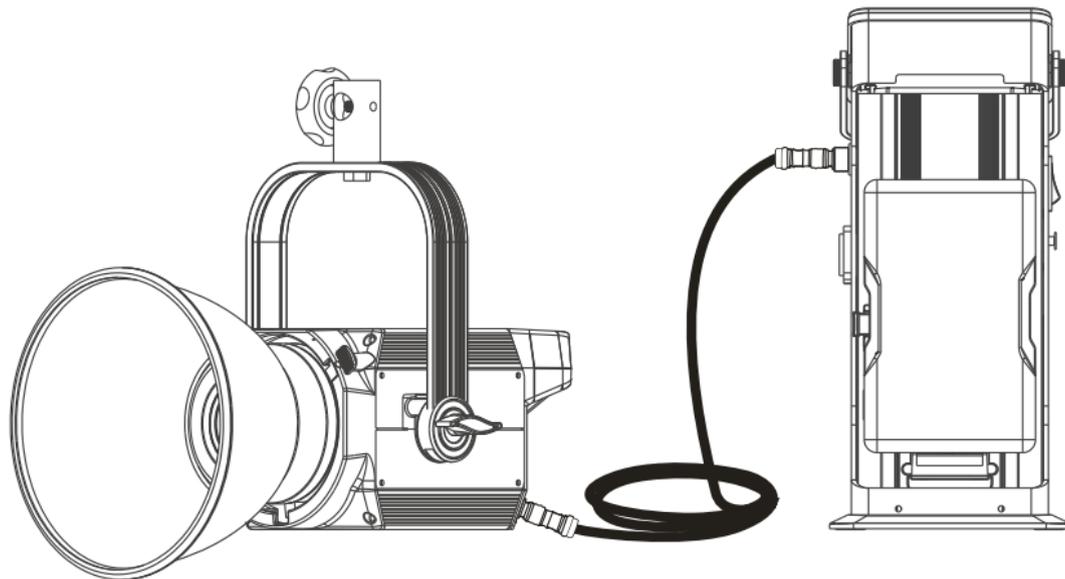
TLCI: 97

■ Connection Way of the Power

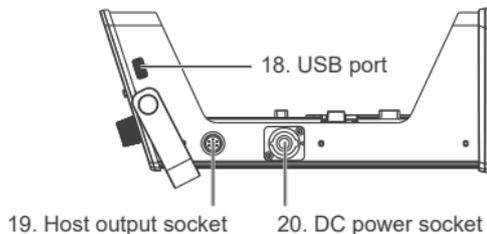
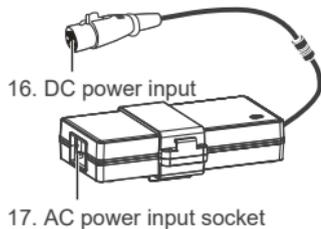
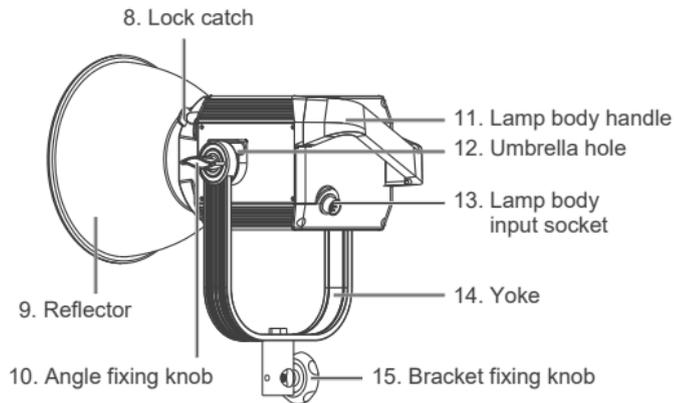
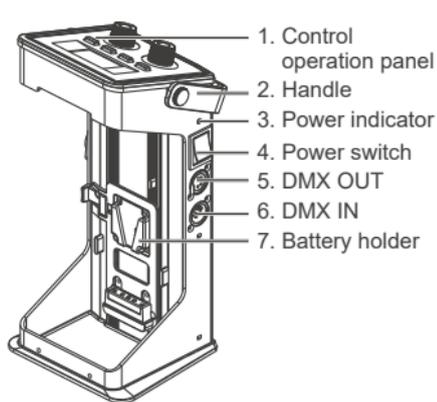
1.Connection between the light fixture and power adapter.



2.Connection between the light fixture and battery.



Product Details



Detailed description

1. Control operation panel: For displaying various function operations and data.
2. Handle: It is convenient for users to carry the host.
3. Power indicator: For determining the status of power input. Being on, power supply is normal. Flashing or being off, power supply is abnormal or no power input.
4. Power switch: For on/off the fixture.
5. DMX OUT: DMX signal output interface.
6. DMX IN: DMX signal input interface.
7. Battery holder: For installing the battery with 14.4 26V/12A Sony V-mount battery or power adapter.
8. Lock catch: For installing and disassembling reflector and other accessories with Bowens mount.
9. Reflector: For gathering light to improve central illumination.
10. Angle fixing knob: Allows for vertical adjustments and fixing of the lamp.
11. Lamp body handle: Be convenient for users to lift the lamps and adjust the direction of the light.
12. Umbrella hole: For installing/removing an umbrella.
13. Lamp body input socket: For connecting the lamp with power adapter.
14. Yoke: Designed for connecting the lamp to the light stand and adjusting the beam angle.
15. Bracket fixing knob: For connecting the spot light and camera equipment, and adjusting the horizontal illumination direction of fixture.
16. DC power input: For connecting DC power to the lamp.
17. AC power input socket: For connecting the AC power cable to supply power to the adapter.
18. USB port: For updating the firmware.
19. Host output socket: To connect a DC cable for connecting between the lamp body and the controller
20. DC power socket: DC power output.

Usage

1. Power Connection

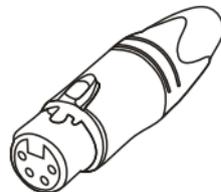
- ① When connect the power supply, please make sure the power, voltage and frequency should be consistent with the provided power supply.
- ② When use the V mount battery, please make sure turn off the fixture and then plug in or pull out the battery or DC cable. If using 14.8V battery, the output power is 120W. If using 26V battery, it allows full power output.

NOTE: (1) Make sure to use the provided power cable and power adapter.

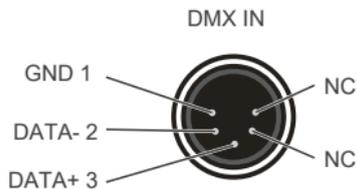
- (2) Make sure the plug of power supply and the cable to the socket of the fixture should be connected as following.



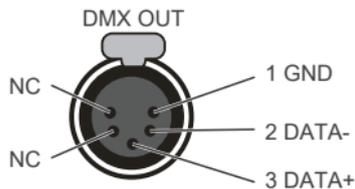
DC IN



2. Connection with the controller



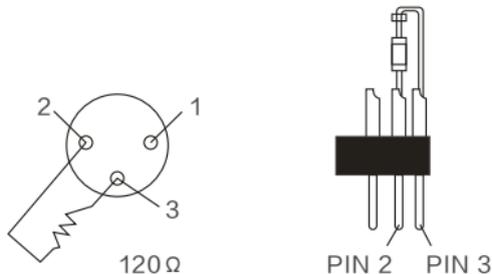
DMX IN



DMX OUT

3. DMX Circuit

In DMX mode, make sure the last light is the only light with a cable connected to the DMX output. There is a resistance about 120(OHM) between the second pin and third pin of this plug (as shown). Make sure this plug can be installed into the output interface of the last fixture, this will help avoid noise and reflection phenomenon caused by the DMX signal during the transmitting process.



4. DMX Channel Control

When using a DMX console to control the fixture, each one must be set to its own DMX address, to receive the dimmer signal and response correctly. The fixture has a total of 5 channels, set the first fixture's DMX start address to 001, 006 for the second one displays, 012 for the third one and so on.

DMX Channel Detail

The Forza 200 has a total of 5 DMX channels

Channel	Lighting Modes	Detail		DMX Value	Description	
1	Daylight Mode	DIM		000 - 255		
	Effect Mode	INT Loop	DIMH		000 - 255	
		Flash	DIM			
		Pulse				
		Storm Auto				
		Storm Manual				
		TV	DIMH		000 - 255	
		Paparazzi	DIM		000 - 255	
		Candle/Fire	DIMH		000 - 255	
		Bad Bulb	DIM		000 - 255	
		Firework				
		Explosion Auto				
		Explosion Manual				
Welding	DIMH		000 - 255			
2	Daylight Mode	Daylight Mode		0 - 17		
	Effect Mode	INT Loop		18 - 35		
		Flash		36 - 53		
		Pulse		54 - 71		
		Storm Auto		72 - 89		

Channel	Lighting Modes	Detail		DMX Value	Description
2	Effect Mode	Storm Manual		90 - 107	
		TV		108 - 125	
		Paparazzi		126 - 143	
		Candle/Fire		144 - 161	
		Bad Bulb		162 - 179	
		Firework		180 - 197	
		Explosion Auto		198 - 215	
		Explosion Manual		216 - 233	
		Welding		234 - 255	
3	Effect Mode	INT Loop	DIML	000 - 255	
		Flash	INTERVALS	000 - 255	
		Pulse	PULSES/MIN	000 - 255	
		Storm Auto	INTVLRANGEL	000 - 255	
		Storm Manual	TRIGGER	000 - 255	
		TV	DIML	000 - 255	
		Paparazzi	SPEED	000 - 255	
		Candle/Fire	DIML	000 - 255	
		Bad Bulb	INTENSITY	000 - 255	
		Firework	SPEED	000 - 255	
		Explosion Auto	SPEED	000 - 255	
		Explosion Manual	DECAY	000 - 255	
		Welding	DIML	000 - 255	

Channel	Lighting Modes	Detail		DMX Value	Description
4	Effect Mode	INT Loop	SPEED	000 - 255	
		Flash	FLASHRATIO	000 - 255	
		Storm Auto	INTVLRANGELH	000 - 255	
		TV	SPEED	000 - 255	
		Candle/Fire	SPEED	000 - 255	
		Bad Bulb	SPEED	000 - 255	
		Firework	DECAY	000 - 255	
		Explosion Auto	DECAY	000 - 255	
		Explosion Manual	TRIGGER	000 - 255	
		Welding	SPEED	000 - 255	
5	Effect Mode	Welding	PAUSE: ON	0 - 127	
			PAUSE: OFF	0 - 127	

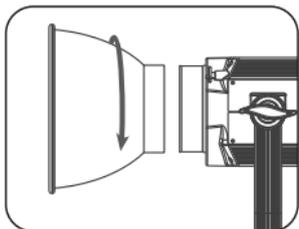
5. 2.4G and Bluetooth Remote Control

The Forza 200 has a built-in 2.4Ghz receiver, enabling it to be remotely controlled by remote controller or by APP via the 2.4G transfer device. It also has built-in bluetooth function to connet with bluetooth for more control options.

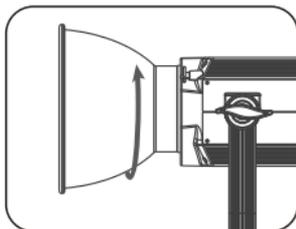
NOTE: 2.4G remote controller or 2.4G transfer device sold separately.

(See separate instructions for remote controller or 2.4G transfer device)

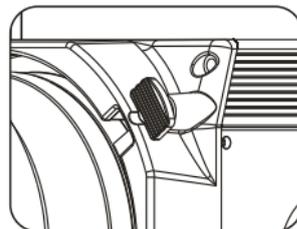
6. Installation the Reflector



When installing the reflector, ensure its mounting points align with the slots on the light fixture. When the mounting points and slots are aligned push the reflector in place and rotate it in the direction shown on the light until you hear it click into place.

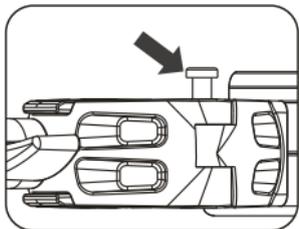


When removing the reflector, push and hold the release button and rotate until the reflector is free to be removed from the fixture.

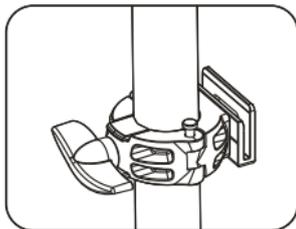


Press the release button to remove the reflector.

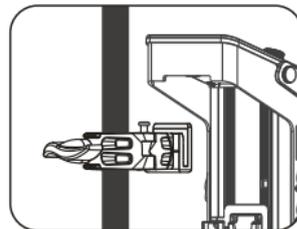
7. Light stand clamp



Push in the button to open the clamp.



Secure the clamp on to the light stand and rotate the locking knob to secure.

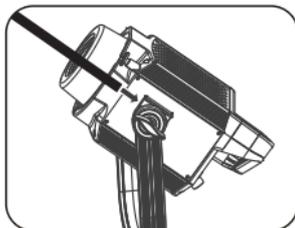


Mount the power adapter into the slots on the clamp.

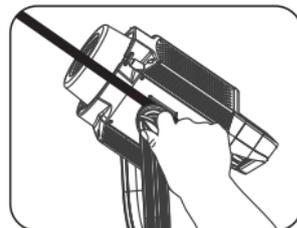
8. Installation of an Umbrella



Loosen the fixing knob.



Put the umbrella into the umbrella hole.

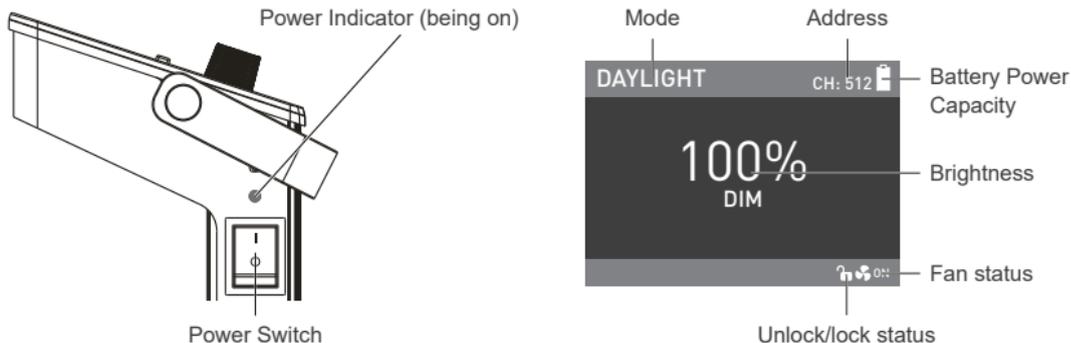


Tighten the angle fixing knob to lock the umbrella in place.

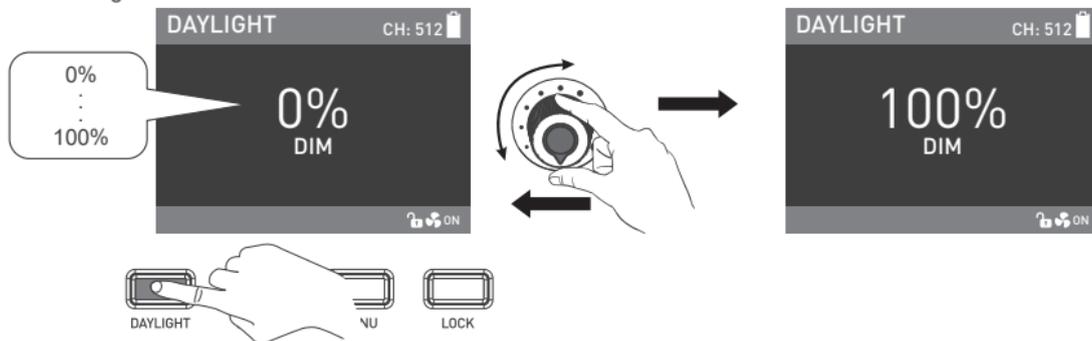
Operating Instructions

1. Connection between fixture and power adapter/battery.

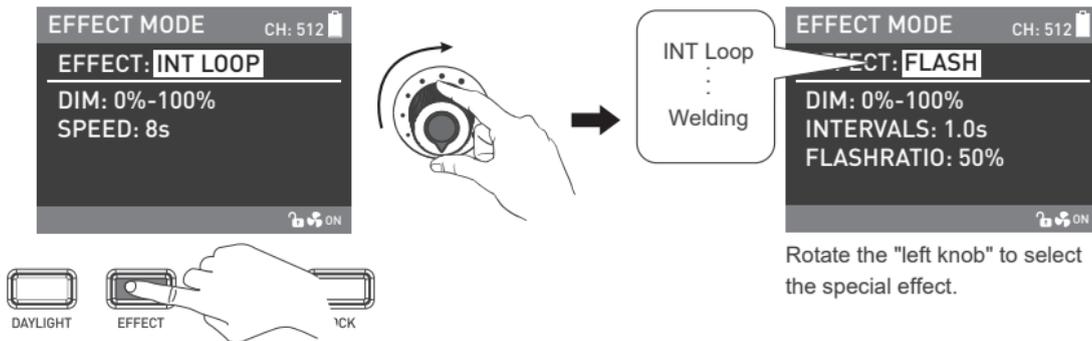
- ① First be sure that the power switch of the control unit is in the "off" position. Now it is safe to connect the power adapter or battery and power the unit on. If the power indicator is on that means the power supply is normal. The LCD screen will display all the relevant information for the fixture, from the remaining battery power in top right corner, to the effects mode status and percentage of power output.



- ② DAYLIGHT Key: Press the DAYLIGHT key to enter DAYLIGHT mode, rotate the "left knob", clockwise to increase the output while counterclockwise to reduce the output. Dim is reference to the output percentage.
DIM range: 0% --- 100%



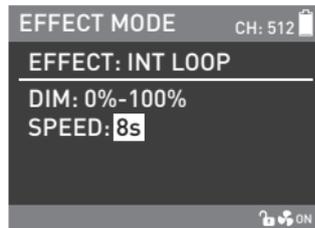
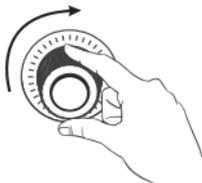
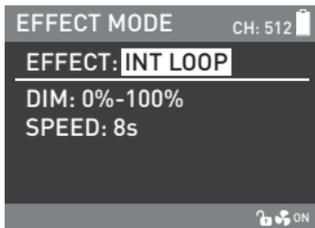
- ③ EFFECT Key: Press the EFFECT key to enter EFFECT mode, rotate the "left knob" to select the desired special effect. Forza 200 has the following built-in effects - INT Loop, Flash, Pulse, Storm Auto, Storm Manual, TV, Paparazzi, Candle/Fire, Bad Bulb, Firework, Explosion Auto, Explosion Manual and Welding.



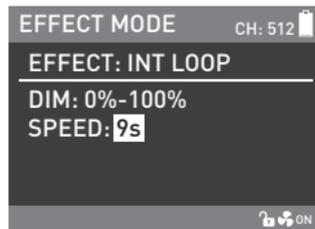
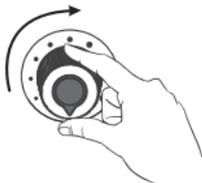
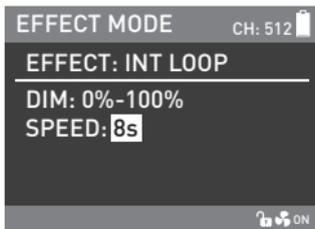
Rotate the "left knob" to select the special effect.

(1) NT LOOP

Rotate the "right knob" to select DIM 1, DIM 2 and SPEED, then rotate the "left knob" to set the speed parameters. Speed range: 2S ... 30S.



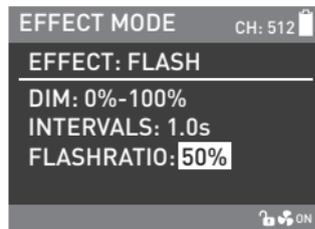
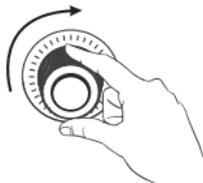
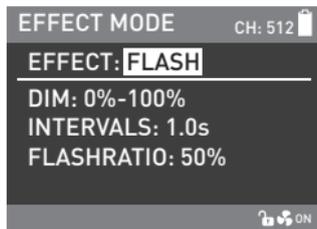
Rotate the "right knob" to select DIM 1, DIM 2 and SPEED.



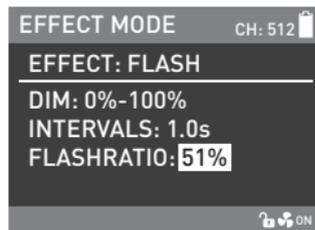
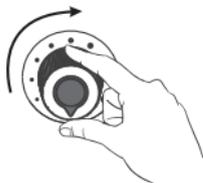
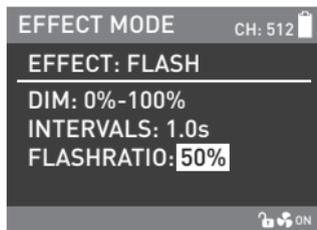
Rotate the "left knob" to set the parameters.

(2) FLASH

Rotate the "right knob" to select DIM ,INTERVALS and FLASHRATIO, then rotate the "left knob" to set the parameters. Intervals range: 0.1S ... 10S, Flashratio range: 0%...100%.



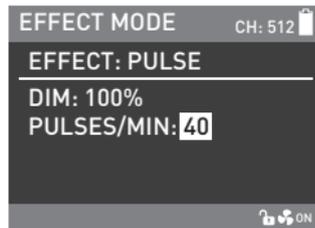
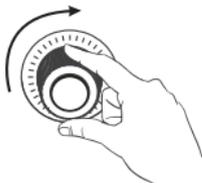
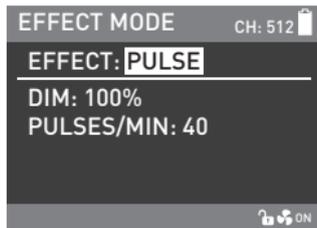
Rotate the "right knob" to select DIM ,INTERVALS and FLASHRATIO.



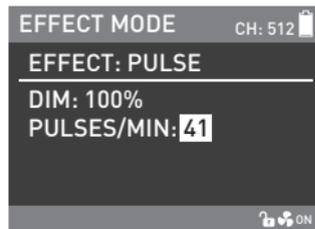
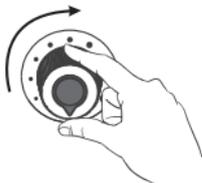
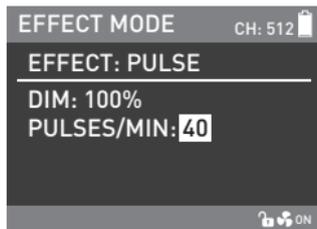
Rotate the "left knob" to set the parameters.

(3) PULSE

Rotate the "right knob" to select DIM and PULSES/MIN, then rotate the "left knob" to set the parameters.
Pulses/Min range:1...240.



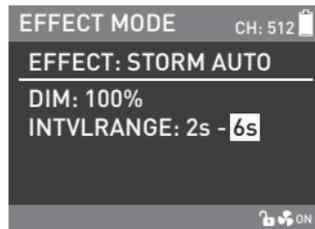
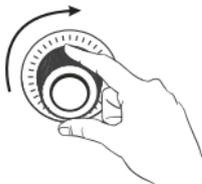
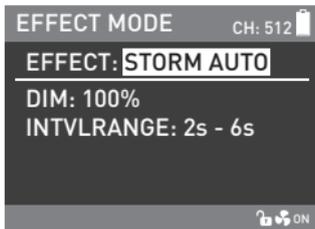
Rotate the "right knob" to select DIM and PULSES/MIN.



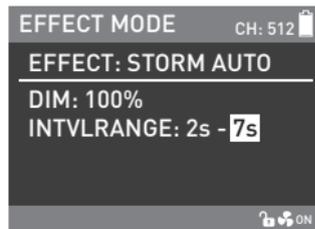
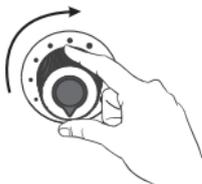
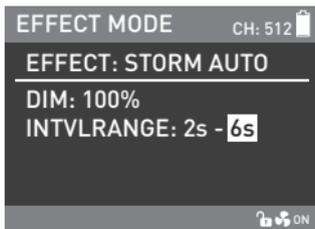
Rotate the "left knob" to set the parameters.

(4) STORM AUTO

Rotate the "right knob" to select DIM and INTVL RANGE, then rotate the "left knob" to set the parameters.
Intvlrange: 1s...60s.



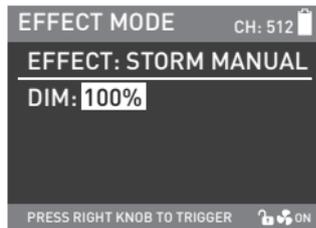
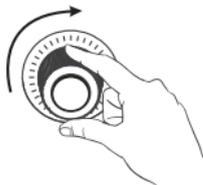
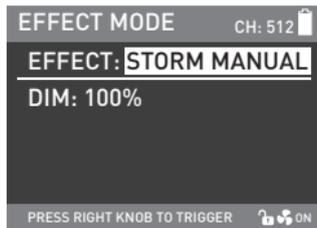
Rotate the "right knob" to select DIM and INTVL RANGE.



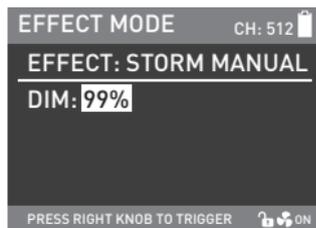
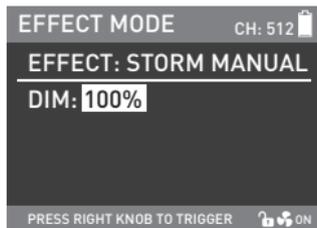
Rotate the "left knob" to set the parameters.

(5) STORM MANUAL

Rotate the "right knob" to select DIM , then rotate the "left knob" to set the parameters. Press "right knob" to trigger Storm.



Rotate the "right knob" to select DIM.



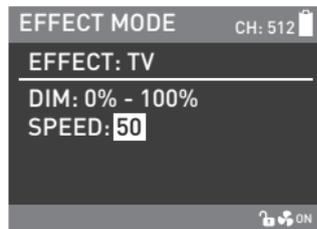
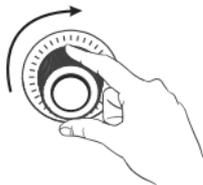
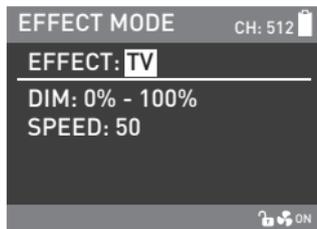
Rotate the "left knob" to set the parameters.



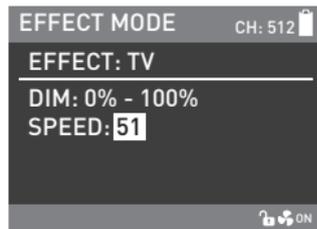
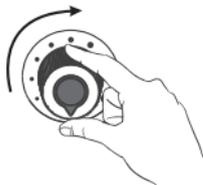
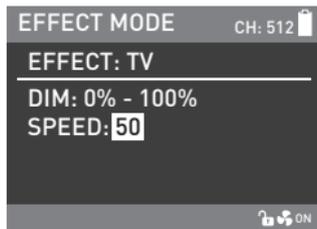
Press "right knob" to trigger Storm.

(6) TV

Rotate the "right knob" to select DIM 1, DIM 2 and SPEED, then rotate the "left knob" to set the parameters.
Speed range: 1 ... 100.



Rotate the "right knob" to select DIM 1, DIM 2 and SPEED.

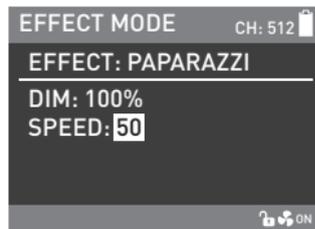
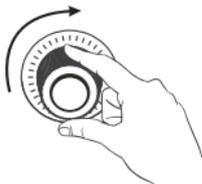
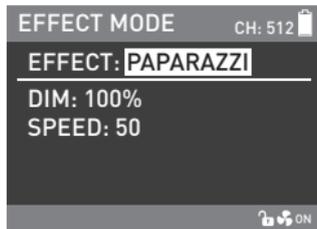


Rotate the "left knob" to set the parameters.

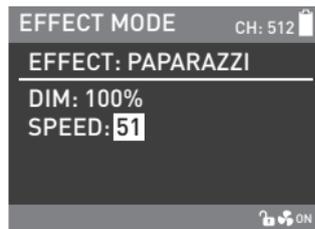
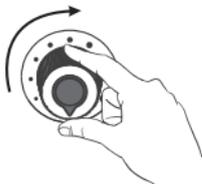
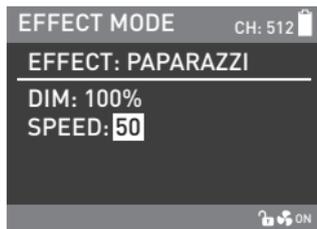
(7) PAPARAZZI

Rotate the "right knob" to select DIM and SPEED, then rotate the "left knob" to set the parameters.

Speed range: 1 ... 100.



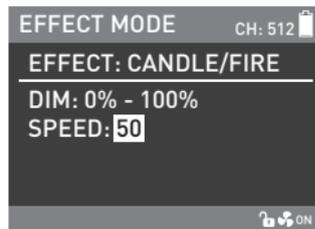
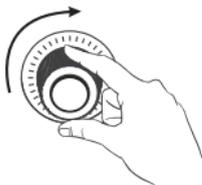
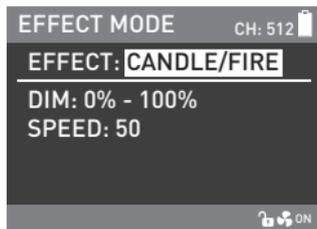
Rotate the "right knob" to select DIM and SPEED.



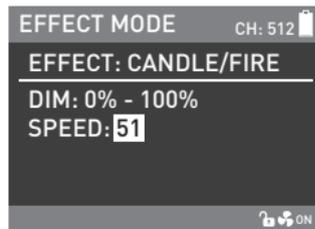
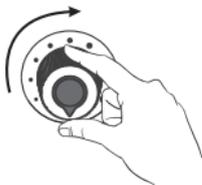
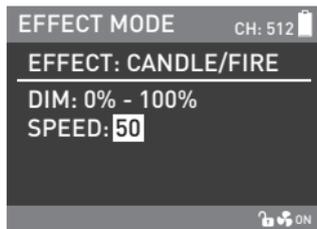
Rotate the "left knob" to set the parameters.

(8) CANDLE/FIRE

Rotate the "right knob" to select DIM 1, DIM 2 and SPEED, then rotate the "left knob" to set the parameters.
Speed range: 1 ... 100.



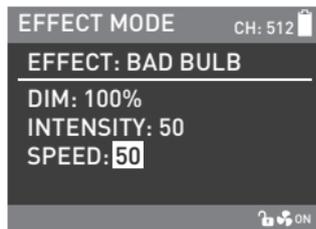
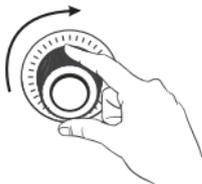
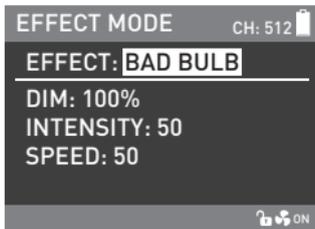
Rotate the "right knob" to select DIM 1, DIM 2 and SPEED.



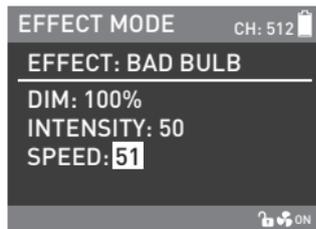
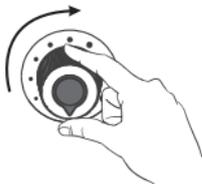
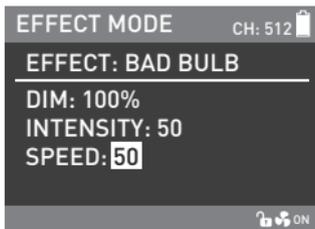
Rotate the "left knob" to set the parameters.

(9) BAD BULB

Rotate the "right knob" to select DIM ,INTENSITY and SPEED, then rotate the "left knob" to set the parameters. Intensity range: 1 ... 100, Speed range: 1...100.



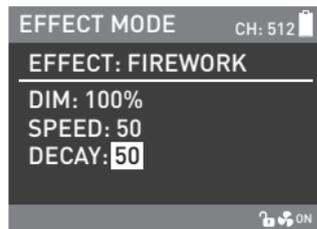
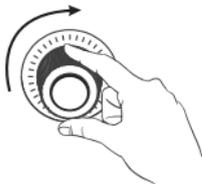
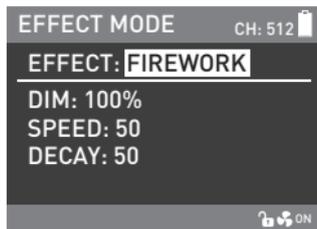
Rotate the "right knob" to select DIM ,INTENSITY and SPEED.



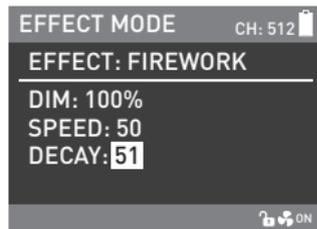
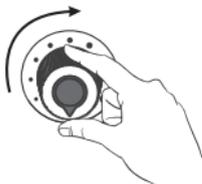
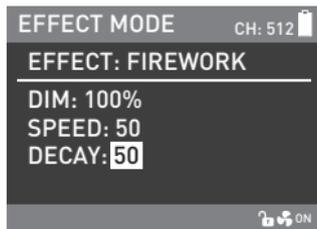
Rotate the "left knob" to set the parameters.

(10) FIREWORK

Rotate the "right knob" to select DIM ,SPEED and DECAY, then rotate the "left knob" to set the parameters.
Speed range: 1 ... 100, Decay range: 1...100.



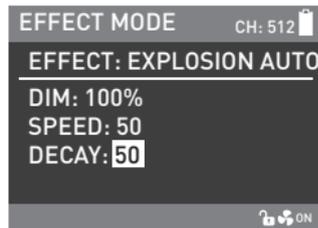
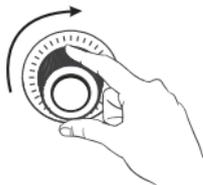
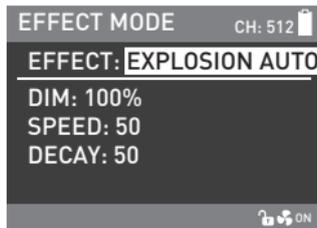
Rotate the "right knob" to select DIM ,SPEED and DECAY.



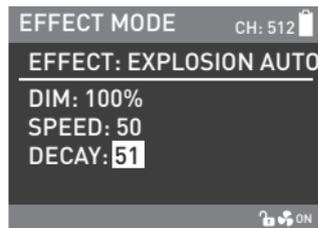
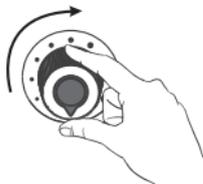
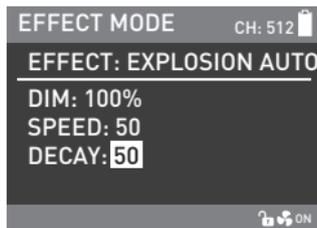
Rotate the "left knob" to set the parameters.

(11) EXPLOSION AUTO

Rotate the "right knob" to select DIM ,SPEED and DECAY, then rotate the "left knob" to set the parameters.
Speed range: 1 ... 100, Decay range: 1...100.



Rotate the "right knob" to select DIM ,SPEED and DECAY.

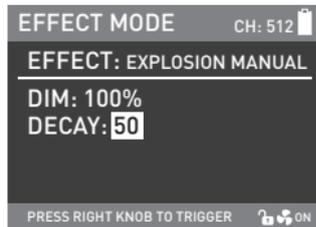
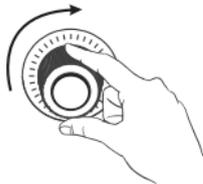
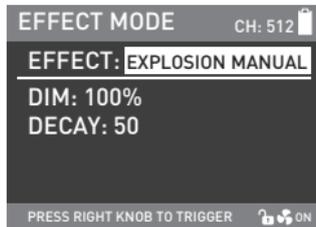


Rotate the "left knob" to set the parameters.

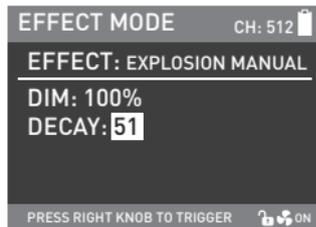
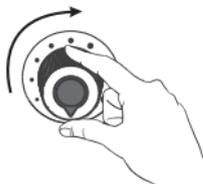
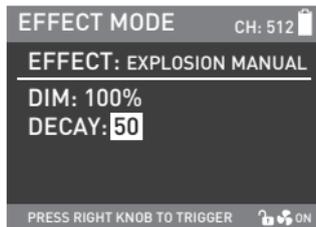
(12) EXPLOSION MANUAL

Rotate the "right knob" to select DIM and DECAY, then rotate the "left knob" to set the parameters.

Decay range: 1...100, Press "right knob" to trigger Explosion.



Rotate the "right knob" to select DIM and DECAY.



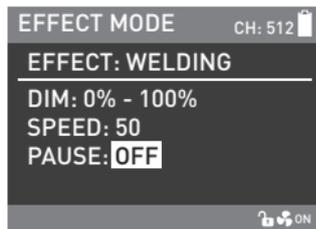
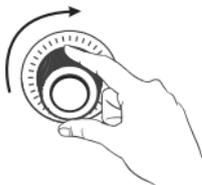
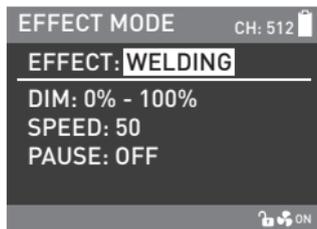
Rotate the "left knob" to set the parameters.



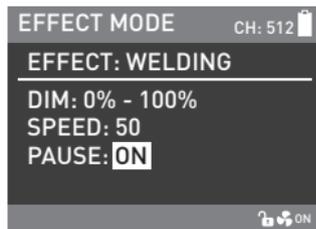
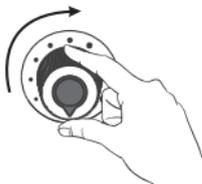
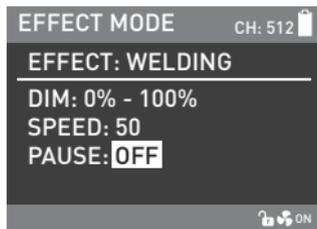
Press "right knob" to trigger Explosion.

(13) WELDING

Rotate the "right knob" to select DIM 1, DIM 2, SPEED and PAUSE, then rotate the "left knob" to set the parameters. Speed range: 1...100. When the Paush is in the "on" position, the light will go out.



Rotate the "right knob" to select DIM 1, DIM 2, SPEED and PAUSE.



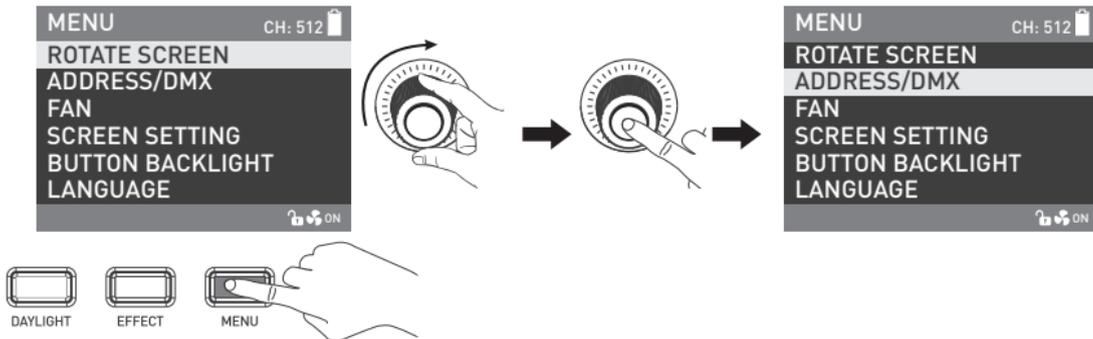
Rotate the "left knob" to set the parameters.

- Lighting effects and additional functionality maybe added with future firmware releases, for details of these please see www.nanlite.com

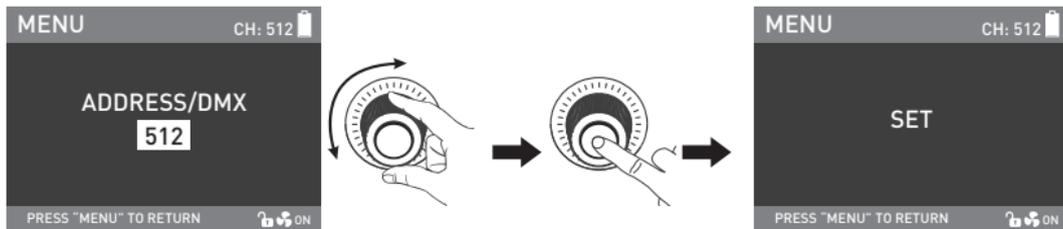
- ④ MENU Key: Press the MENU key to enter the main menu, the menu includes the following - ROTATE SCREEN, ADDRESS /DMX, FAN , SCREEN SETTING, BUTTON BACKLIGHT, LANGUAGE and VERSION.

The operation of the menu:

Rotate the "right knob" to set the option and press "right knob" in to enter the corresponding secondary option, rotate the "right knob" again to adjust and press the "right knob" in adjust. If you wish to return to the previous menu, press the MENU key.

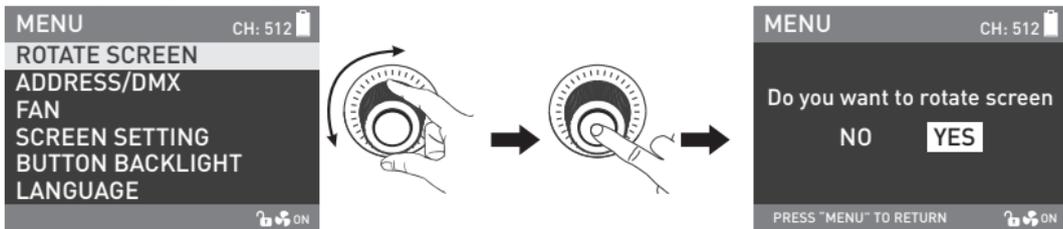


Rotate the "right knob" to set the option and press "right knob" in to enter the corresponding secondary option.

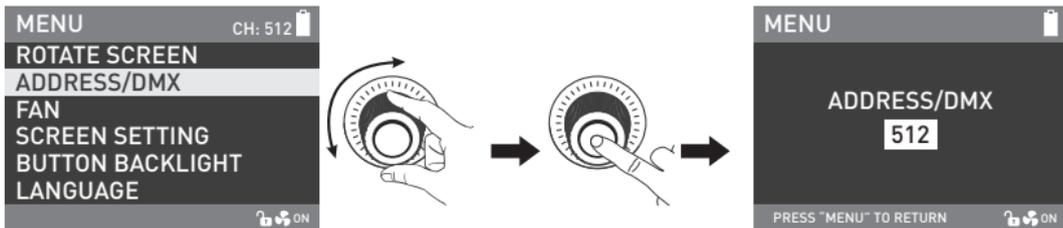


Rotate the "right knob" again to adjust and press the "right knob" in adjust.

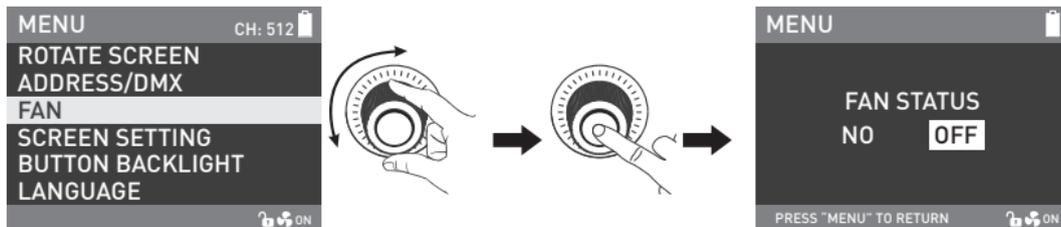
- (1) ROTATE SCREEN: Rotate the "right knob" to select the setting item, press in the "right knob" to enter the corresponding secondary option of ROTATE SCREEN.



- (2) ADDRESS/DMX: Rotate the "right knob" to select the setting item, press in "right knob" to enter the corresponding secondary option of ADDRESS/DMX.

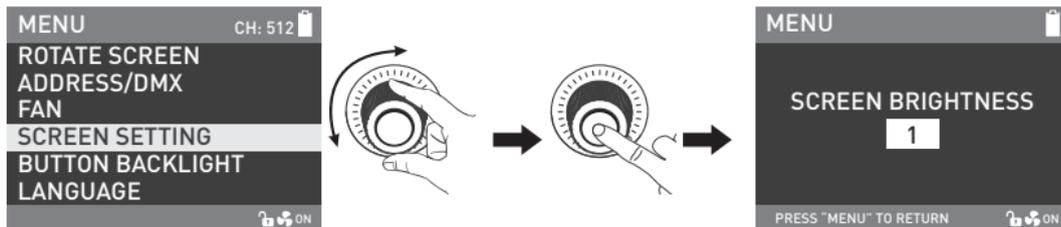


- (3) FAN: Rotate the "right knob" to select the setting item, press in "right knob" to enter the corresponding secondary option of FAN .

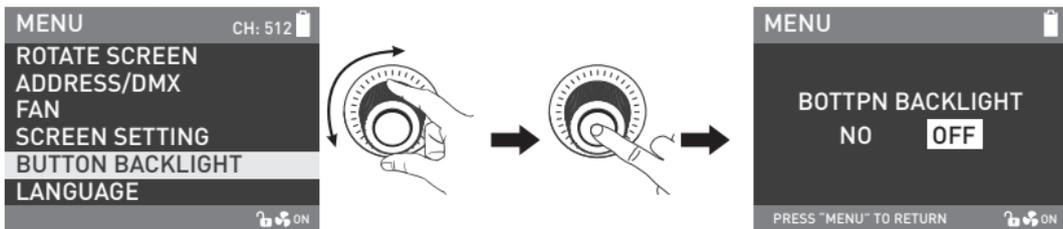


- If the fan is in the "off" position, the inside fan will stop and the output power of the fixture is 30W. If the Fan is in the "on" position, the fixture will operate at full power output.

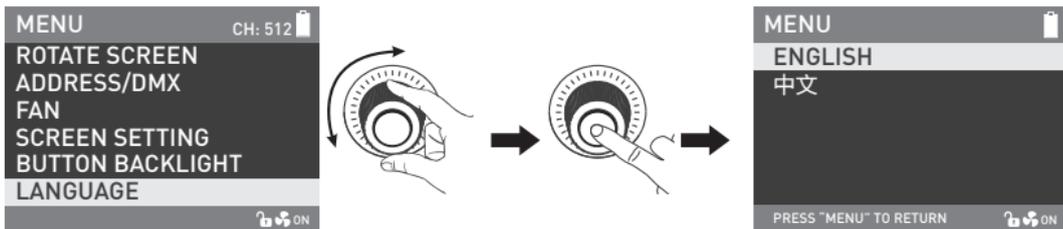
- (4) SCREEN SETTING: Rotate the "right knob" to select the setting item, press in the "right knob" to enter the corresponding secondary option of SCREEN SETTING.



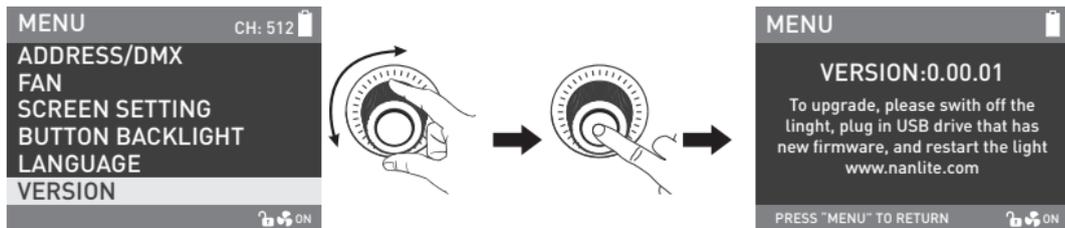
- (5) BUTTON BACKLIGHT: Rotate the "right knob" to select the setting item, press in "right knob" to enter the corresponding secondary option of BUTTON BACKLIGHT.



- (6) LANGUAGE: Rotate the "right knob" to select the setting item, press in "right knob" to enter the corresponding secondary option of LANGUAGE.



- (7) VERSION; Rotate the "right knob" to select the setting item, press in "right knob" to enter the corresponding secondary option of VERSION.



- ⑤ Lock Key: Press the "Lock Key" to lock all functions. Whilst locked the operation buttons or knobs will not change the current settings. Press the "Lock Button" again to release the Locking status.
2. When stop using the fixture, turn off the swith.

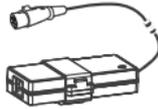
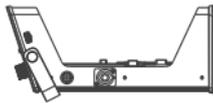
Safety Precautions

1. Please open the package to check for damage caused in transit, if damaged please do not use and contact place of purchase or manufacturer as soon as possible.
2. Do not use a power cord with damaged insulation. Do not unplug hard or drag the power cord directly.
3. Make sure that the power supply voltage used matches the voltage specified by the light before installation.
4. When not using or cleaning the light, please turn it off.
5. Keep the light safely stored and away from children.

Notice

1. When the light is on do not look directly at the emitter.
2. Do not place objects on the light emitter or allow liquid to flow inside the fixture or the emitter.
3. Do not place the fixture near flammable substances like alcohol or gasoline.
4. When cleaning the light, please wipe off debris or dirt by using a cloth with clean water or neutral cleanser.
5. The Forza 200 should be safely operated where it won't be at risk of getting wet or under extreme temperatures. Please make sure the ventilation fan is not blocked or obstructed.
6. Do not attempt to repair the Forza 200 by yourself. Attempts to self repair will void warranty, for repairs please return to place of purchase.
7. For optimal cooling of the fixture, the vents should not be covered when using, or will damage the equipment. When using the lighting for a long time, the temperature of the lighting is high, please pay attention to anti-scalding.

What's in the box? Please kindly check.

Forza 200 ×1	Power Cable 3M ×1	Reflector ×1	AC Power adapter ×1
			
Control Unit ×1	φ35 Light stand clamp ×1	Carrying bag ×1	COB protective cap ×1
			
Connecting Cable 2.5M ×1	User Manual × 1		
			

General Fault Detection and Diagnosis

Fault Detection	Diagnosis
The light won't start up.	<ol style="list-style-type: none">1. Please check the power indicator. If flashing or not on, please check whether the connection between power adapter, power cable and outlet connection is properly connected.2. Please check whether the voltage value of power adapter is within specified parameters.3. If using a battery, check if the battery is install properly, and if the voltage value of battery is within the specified parameters.
The fixture produces light, but the controls are not working.	<ol style="list-style-type: none">1. Please check to see if address code corresponds with remote or app.2. Please check and see if the XLR cable is connected properly or if the line or port is damaged.
LCD display is on but no light output.	<ol style="list-style-type: none">1. COB or main board may be damaged.2. Check connection of cable from lamp to adapter.
The inside fan can not work.	<ol style="list-style-type: none">1. Please check if the fan is in the "off" position.2. If the LCD screen displays "▲", please get in contact with place of purchase or Nanlite.
If the failure is not resolved after troubleshooting, please contact place of purchase.	

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