NANLUX
INNOVATE · ILLUMINATE

Evoke 1200
LED SPOT LIGHT

WWW.NANLUX.COM

Contents

Evoke 1200 LED Spot Light

▌Product Diagram
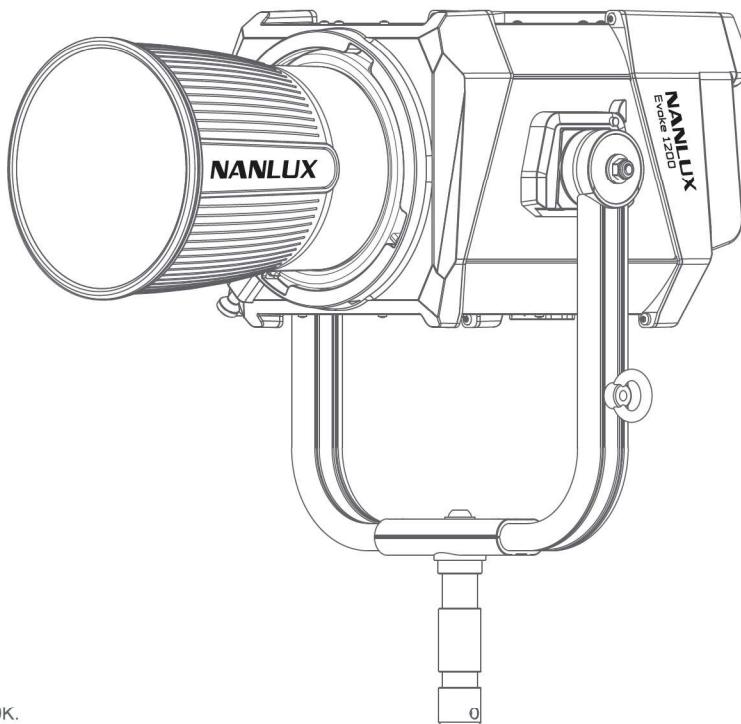
▌Technical Data

Rated power: 1200W

Input voltage/current: DC48V/25A Max
AC100-240V 50/60Hz

CRI: 96
TLCI: 97

This manual applies to the light fixtures in 5600K and 3200K.

Product Details

1. Quick Release Device
2. NL Mount
3. Lock Catch
4. Eye Bolt
5. Yoke
6. Display
7. Function Keys
8. Left Knob
9. USB Port
10. DMX IN
11. Fixture Body Handle
12. Kipp Handle
13. Right Knob
14. Wire Control Socket
15. DC IN
16. DMX OUT

17. Power Supply
Hanging Point

22. Power Supply Handle

24. Reflector

18. DC Power Output Socket

19. LED Indicator

23. COB Protective Cap

20. Power Switch

21. AC Power Input Socket

NANLUX
Evoke 1200

▌Detailed Description

1. Quick release device: For quick installation and detachment of yoke.
2. NL mount: For installation of reflector or other NL mount accessories.
3. Lock catch: To lock or release the reflector or other accessories.
4. Eye Bolt: For hanging safety rope.
5. Yoke: Mount the fixture on a stand, pan and tilt.
6. Display: To display data.
7. Functions keys: Including DAYLIGHT, EFFECT, MENU and LOCK.
8. Left knob: For adjusting brightness and other parameters.
9. USB port: For updating firmwares or connecting USB cable to external devices with maximum current of 5V/1A.
10. DMX IN: DMX signal input interface.
11. Fixture body handle: Adjust the direction of the fixture.
12. Kipp handle: Tighten or release the tilt movement of the fixture on the yoke.
13. Right knob: For selecting options.
14. Wire control socket: Wire control Interface.
15. DC IN: DC power input interface.
16. DMX OUT: DMX signal output interface.
17. Power supply hanging point: For safely hanging the power supply.
18. DC power output socket: For connecting the fixture to the power supply with DC cable.
19. LED indicator: For determining the status of power input. Being on, power supply normal; Flashing or being off, power supply abnormal or no power input.
20. Power switch: To turn on/off the fixture.
21. AC power input socket: For connecting AC power supply.

22. Power supply handle: For lifting the power supply.
23. COB protective cap: When not using the fixture, cover with the cap for protection.
    (Note: Take off the cap before using.)
24. Reflector: For concentrating light to improve central illumination.

Usage

1. Connection between the Light Fixture and Power Supply
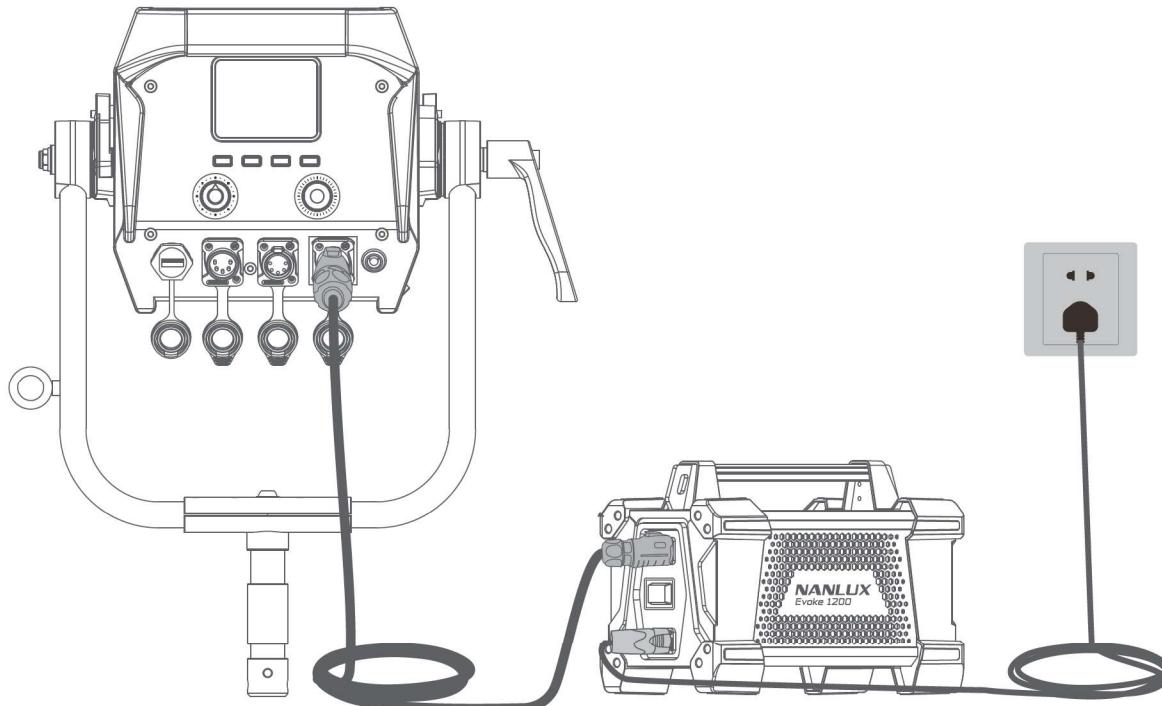
▲Note:

①When connecting the power supply, please make sure the power, voltage and frequency are consistent with the provided power supply

②Make sure to use the provided power supply and power cable. The connection between the DC plug and the DC IN power input socket on the fixture should be connected as following.

Pin1+ — Pin3 — Pin2-

Pin2- — Pin3 — Pin1+
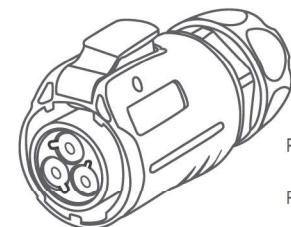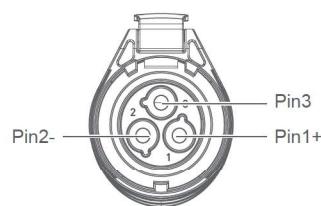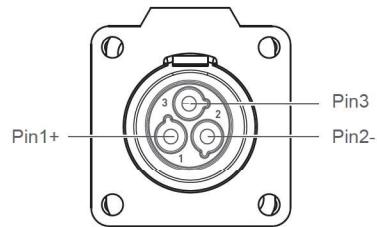
Pin1+: Connect with power supply +
Pin2-: Connect with power supply -
Pin3: Grounding wire

2. Installation and Detachment of Yoke

①Quick release yoke diagram

Quick release plate

Quick release plate mount

Quick release lever lock catch

Quick release lever
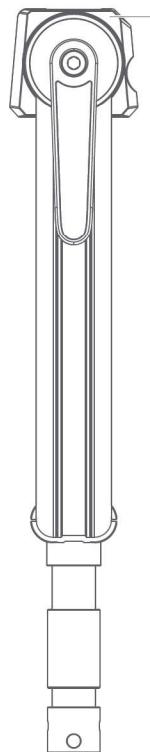
The side with kipp handle
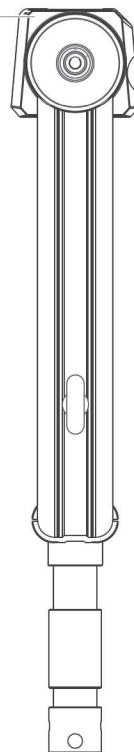
The side with damping
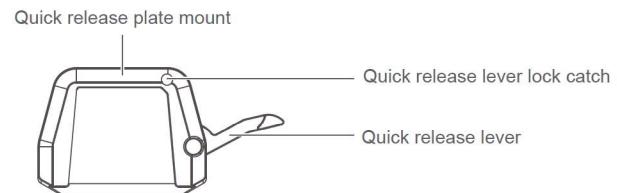
②Installation of Yoke (Method One)
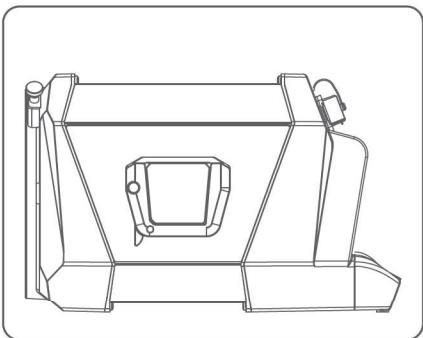
Lay the light fixture, bottom up, on flat ground.
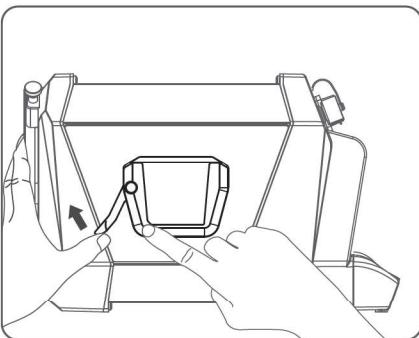
Press the quick release lever lock catch to release it.
Pull the quick release lever.
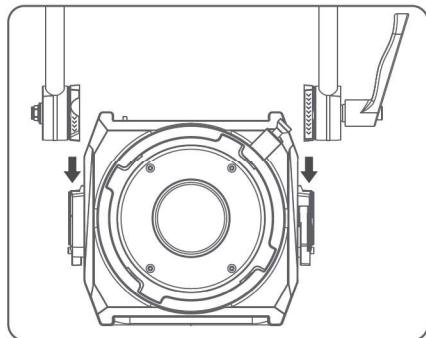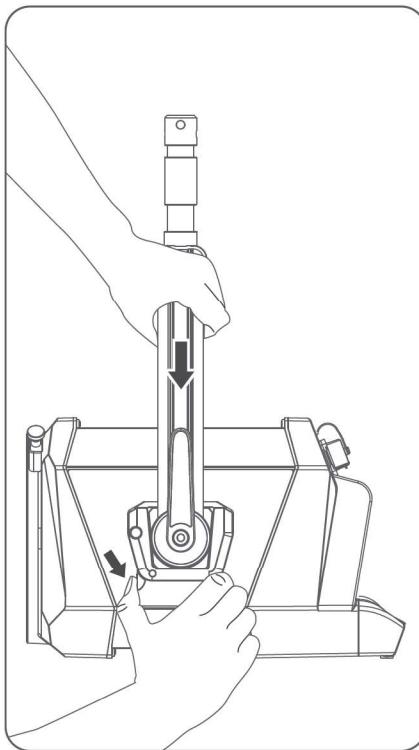
Align and insert the quick release plates to both
mounts of the light fixture.
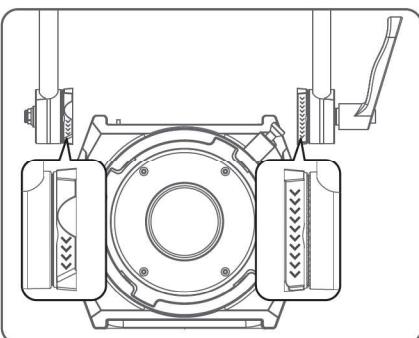
(Note: When installing the quick release plate,
       please adjust the plate to right directions,
       then insert them into the mount.)

Firmly holding the yoke in place with one hand,
pull the quick release lever with the other hand
to lock the plate.
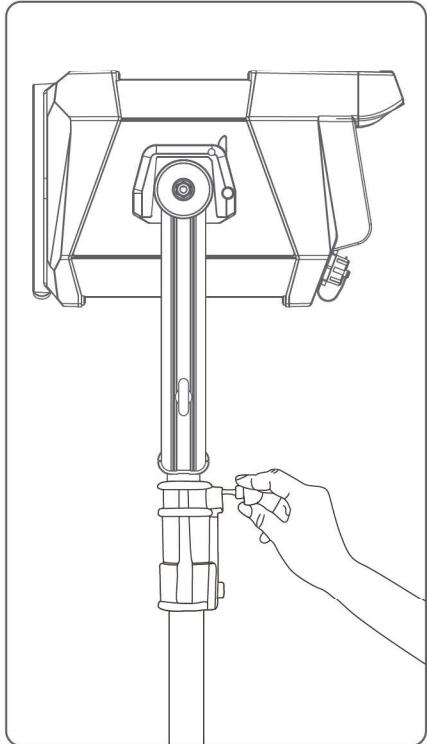
Mount the yoke on heavy-duty light stand. Secure the fixture by locking the fastening screws on the stand.
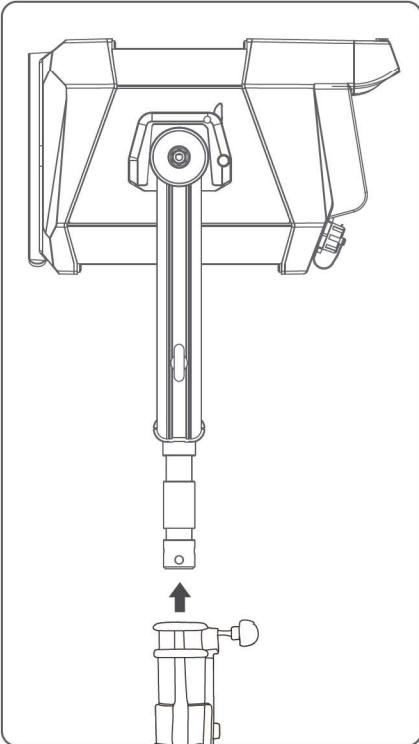
When removing the yoke, remove the fixture from the heavy-duty light stand first and lay it down on flat ground.
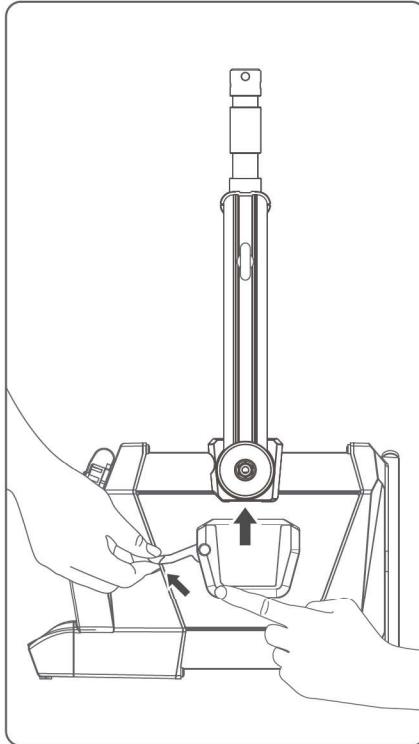
Press the quick release lever lock catch of the fixture on both sides, then release the quick release lever to remove the fixture.

③Installation of Yoke (Method Two)
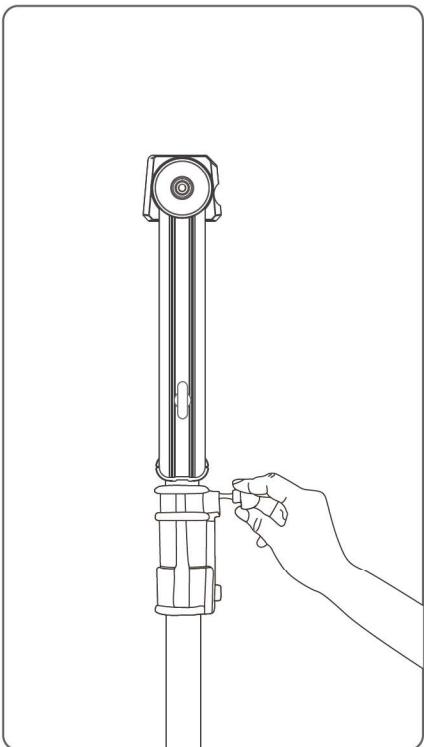
Mount the yoke on heavy-duty light stand. Secure the fixture by locking the fastening screws on the stand.
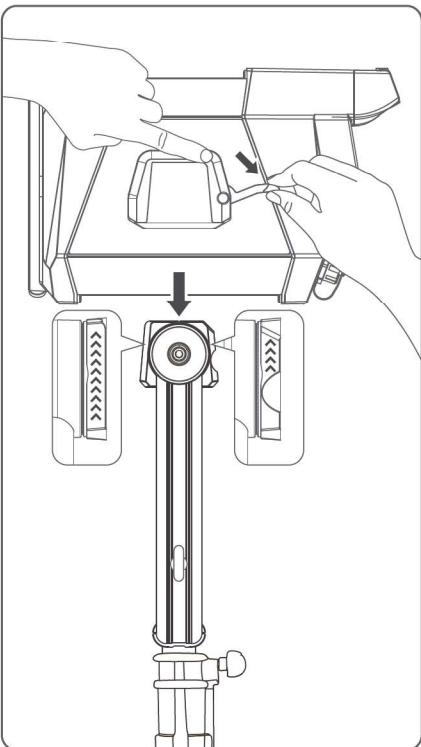
Press the quick release lever lock catch, pull the quick release lever, align and insert the quick-release plate mounts to the plates of the yoke.
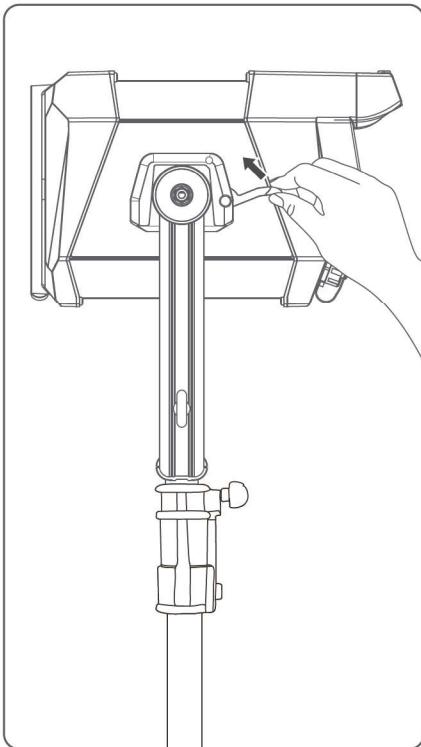
Pull quick release lever lock catch on both side of the fixture to lock the plates in place. Installation of the yoke is complete.

3. Installation and Detachment of Reflector
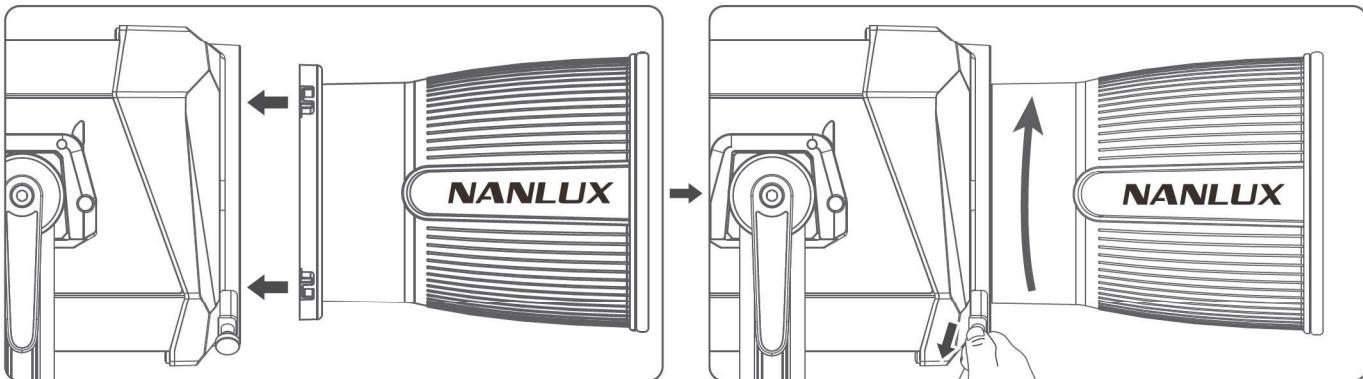
When installing the reflector, align the reflector's bayonet lock to the light's mount, rotate the reflector clockwise and fasten the reflector on the light.
(Note: if the rotation is not smooth, pull the lock catch of the mount and rotate the reflector at the same time.)
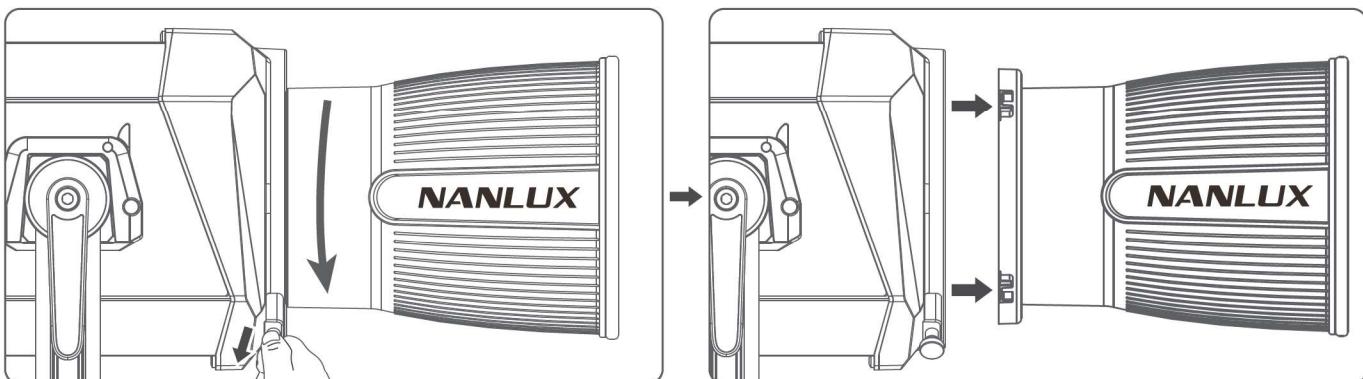
When removing the reflector, pull the lock catch of the mount, rotate the reflector anticlockwise and remove.

4. AS-CP-QR-EV Evoke Quick Release Clamp Installation
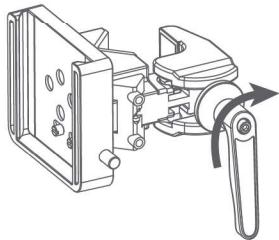
①Loosen the kipp handle to open the clamp.
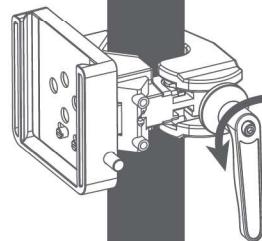
②Mount the quick release clamp on the light stand, then rotate the kipp handle to tighten the clamp.
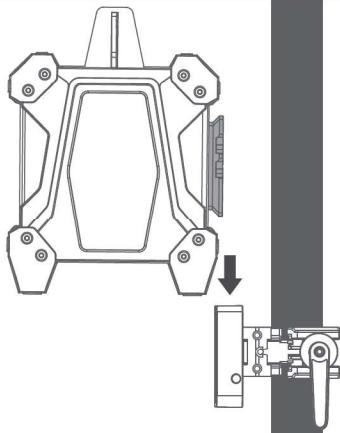
③Align the quick release plate on the power supply with the quick release mount on the clamp to mount the control unit on to the clamp.
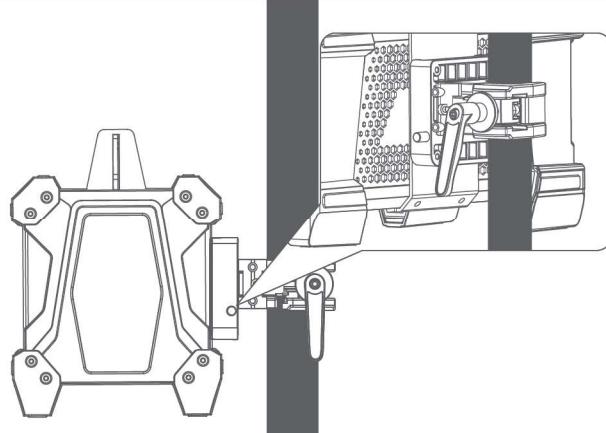
④When removing the power supply, press the lock catch on the clamp and release the power supply from the clamp.

Remote Control

. Evoke 1200 supports remote control via DMX, 2.4G, RDM and LUMENRADIO, and has built-in Bluetooth.

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

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

①ADDRESS

Press MENU key to access options.
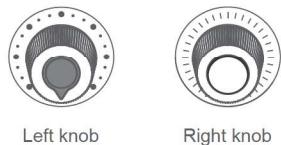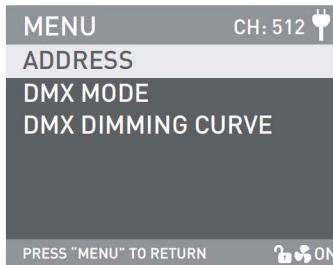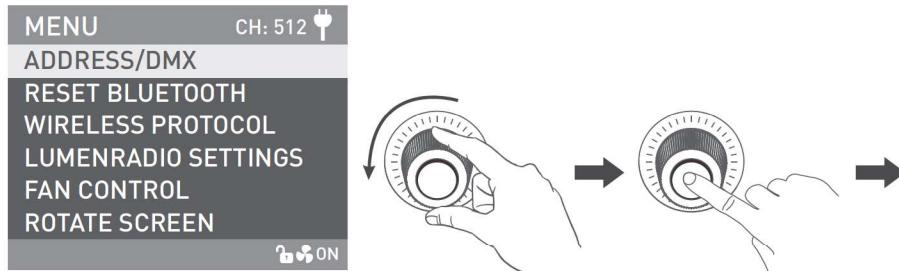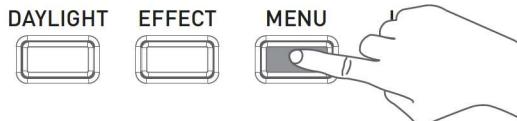
Rotate "Right knob" to ADDRESS/DMX. Press "Right knob" to enter the corresponding sencondary menu.

MENU	CH: 512 🔌
ADDRESS	
DMX MODE	
DMX DIMMING CURVE	
PRESS "MENU" TO RETURN	🔒🌀 ON

MENU	CH: 512 🔌
ADDRESS	
512	
PRESS "MENU" TO RETURN	🔒🌀 ON
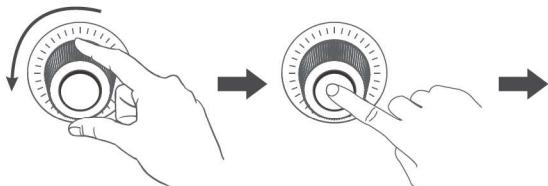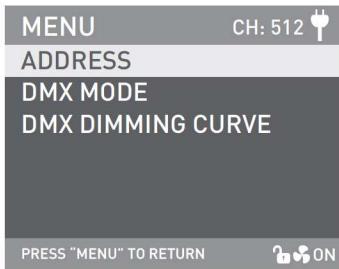
Rotate "Right knob" to ADDRESS. Press "Right knob" to enter the corresponding third menu.

MENU	CH: 512 🔌
ADDRESS	
512	
PRESS "MENU" TO RETURN	🔒🌀 ON

MENU	CH: 512 🔌
SET	
PRESS "MENU" TO RETURN	🔒🌀 ON
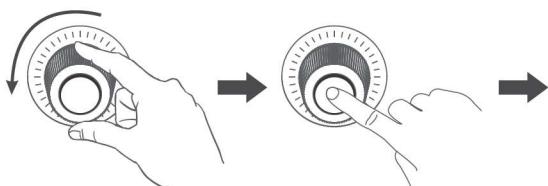
Rotate "Right knob" to select the desired ADDRESS number. Press the "Right knob" to set.

②DMX MODE

MENU	CH: 512
ADDRESS	
DMX MODE	
DMX DIMMING CURVE	
PRESS "MENU" TO RETURN	ON

MENU	CH: 512
DAYLIGHT 8bit	
DAYLIGHT 16bit	
ULTIMATE DMX 8bit	
PRESS "MENU" TO RETURN	ON
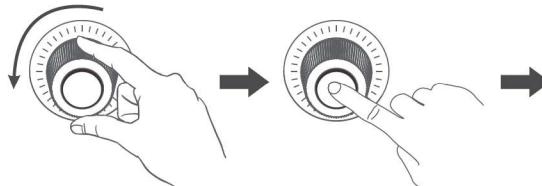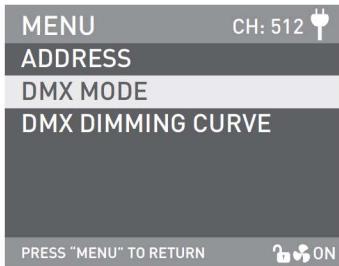
Rotate "Right knob" to DMX MODE. Press "Right knob" to enter the corresponding third menu.

MENU	CH: 512
DAYLIGHT 8bit	
DAYLIGHT 16bit	
ULTIMATE DMX 8bit	
PRESS "MENU" TO RETURN	ON

MENU	CH: 512
SET	
PRESS "MENU" TO RETURN	ON
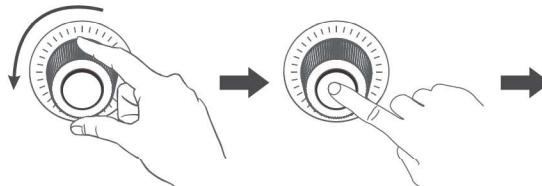
Rotate "Right knob" to select the corresponding DMX mode. Press "Right knob" to set.

③DMX DIMMING CURVE

MENU	CH: 512
ADDRESS	
DMX MODE	
DMX DIMMING CURVE	
PRESS "MENU" TO RETURN	ON

MENU	CH: 512
LINEAR	
EXPONET	
LOGARITHM	
S CURVE	
PRESS "MENU" TO RETURN	ON
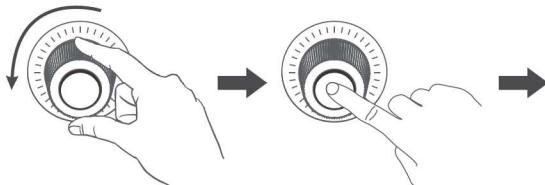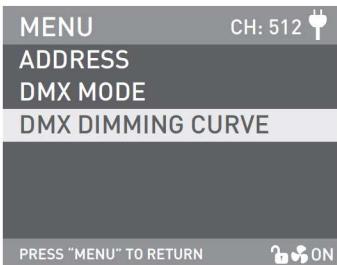
Rotate "Right knob" to DMX DIMMING CURVE. Press "Right knob" to enter the corresponding third menu.

MENU	CH: 512
LINEAR	
EXPONET	
LOGARITHM	
S CURVE	
PRESS "MENU" TO RETURN	ON

MENU	CH: 512
SET	
PRESS "MENU" TO RETURN	ON
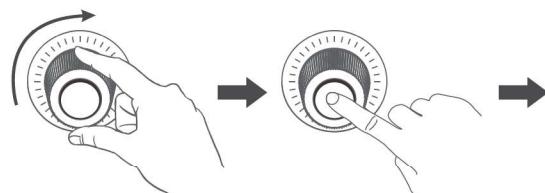
Rotate "Right knob" to select the corresponding DMX dimming curve. Press "Right knob" to set.

2. DMX Remote Control
　①Connect the light fixture and the DMX512 console using the connection cable, as below.

DMX IN
GND 1
DATA- 2
DATA+ 3
NC
NC

DMX OUT
NC
NC
1 GND
2 DATA-
3 DATA+
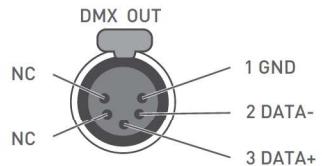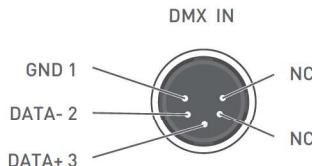
· The connection between the light fixture and DMX/RDM console, light fixture and light fixture should use five core shielded cable. Make sure its diameter is not less than 0.3mm. XLR plug/socket and the wire should be connected as pictured.

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

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

· Plug of five-core and three-core XLR plug/socket conversion.

　The fixture is supplied with five-core XLR plug. If using a three-core XLR plug, please follow the instructions below.

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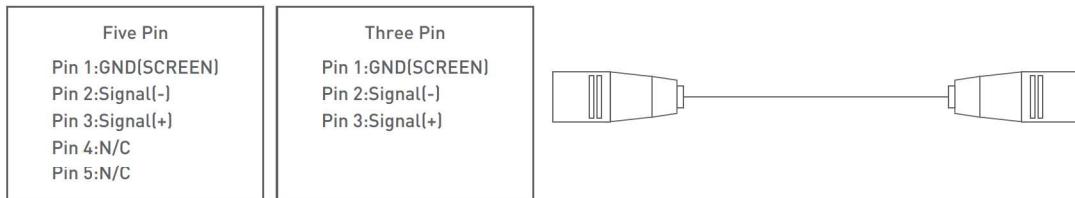
②DMX Terminator

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

5　　1
　　　2
4
120Ω
3

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

PIN 2　PIN 3

③Set the address of the fixtutre.

④Refer to the attached DMX reference guide and control the light via DMX/RDM console.

　(For specific operation methods, please refer to the DMX/RDM console operation manual.)

　Note: DMX reference guide 《Evoke 1200 DMX REFERENCE GUIDE》 please download it from www.nanlux.com.

3. 2.4G Remote Control

· Set the address of the 2.4G remote controller to be consistent with the light fixture, enabling the Evoke 1200 to be remotely controlled by 2.4G remote controller or by APP via the transmitter box.

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

②The fixture supports the 2.4G wireless protocol V1.0 and V2.0. Set fixture to V2.0 while using WS-RC-C1 or WS-RC-C2 remote controller. Set fixture to V1.0 while using other remote controllers.

MENU	CH: 512
ADDRESS/DMX	
RESET BLUETOOTH	
WIRELESS PROTOCOL	
LUMENRADIO SETTINGS	
FAN CONTROL	
ROTATE SCREEN	ON

MENU   CH: 512

2.4G WIRELESS PROTOCOL
V1.0   V2.0

PRESS "MENU" TO RETURN   ON
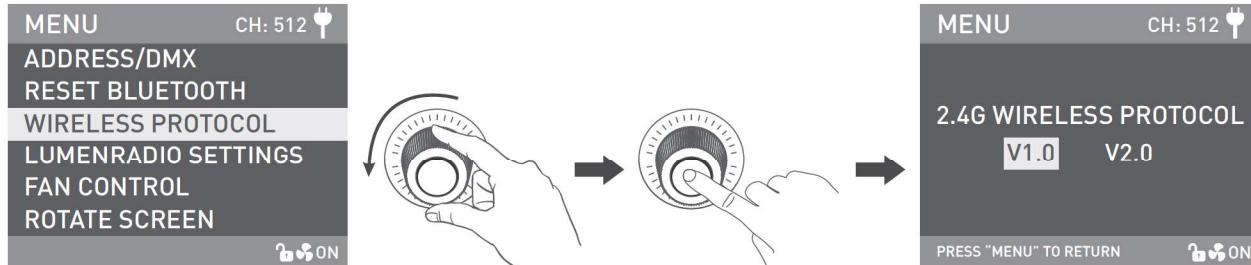
Rotate "Right knob" to WIRELESS PROTOCOL, press "Right knob" to enter the corresponding sencondary menu.

MENU   CH: 512

2.4G WIRELESS PROTOCOL
V1.0   V2.0

PRESS "MENU" TO RETURN   ON

MENU   CH: 512

SET

PRESS "MENU" TO RETURN   ON
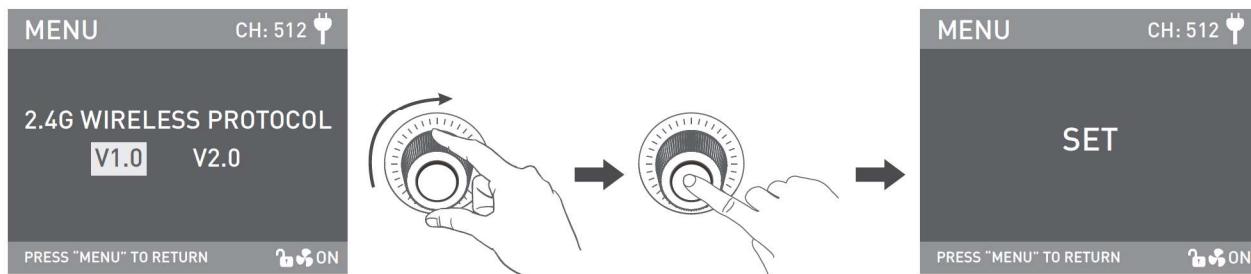
Rotate "Right knob" to select V1.0 or V2.0, press "Right knob" to set.

4. RDM Remote Control

①Connect the light fixture to the console with RDM function using a connection cable, the connection method is the same as with a DMX/RDM console.

②Control the fixture via a console with RDM function. (For specific operation methods, please refer to the RDM console operation manual.)

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

```
0008              XXXX              XXXX
                                     └─────────── Serial number

                   └──────────────────────────── 0501: Evoke 1200

 └──────────────────────────────────────────────── Manufacturer: Nanguang
```
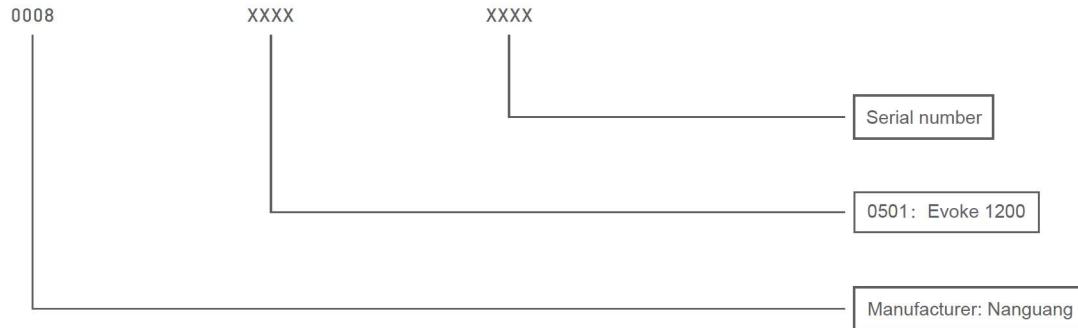
5. LUMENRADIO Remote Control

· Evoke 1200 has built-in CRMX TIMO TWO module, enabling it to receive CRMX wireless DMX signals. The Specific operation is as follows:

①RECEIVER MODE

(1) RECEIVER MODE setting

Press the MENU key to access options.

MENU	CH: 512 🔌
ADDRESS/DMX	
RESET BLUETOOTH	
WIRELESS PROTOCOL	
LUMENRADIO SETTINGS	
FAN CONTROL	
ROTATE SCREEN	
	🔒✿ON

Left knob   Right knob

DAYLIGHT   EFFECT   MENU

MENU	CH: 512 🔌
ADDRESS/DMX	
RESET BLUETOOTH	
WIRELESS PROTOCOL	
LUMENRADIO SETTINGS	
FAN CONTROL	
ROTATE SCREEN	
	🔒✿ON

MENU	CH: 512 🔌
RADIO MODE	
UNLINK	
PRESS "MENU" TO RETURN	🔒✿ON
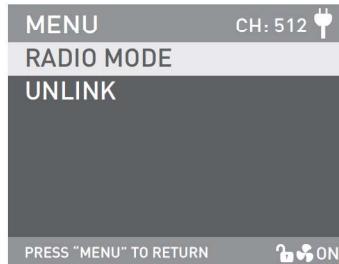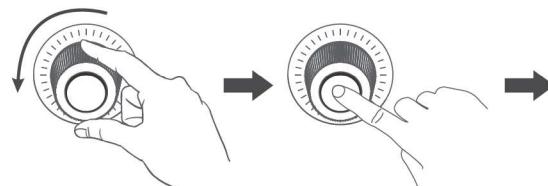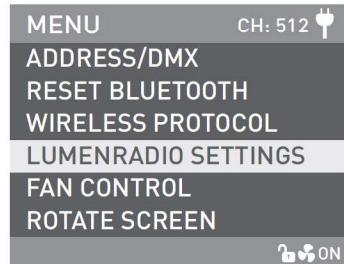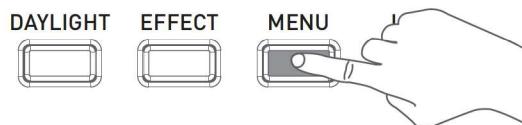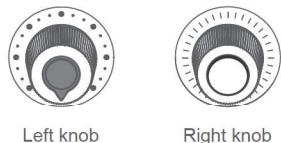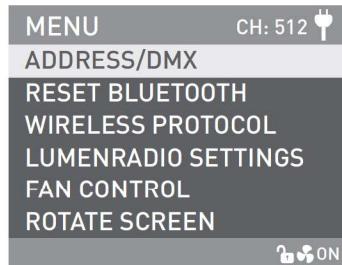
Rotate "Right knob" to LUMENRADIO SETTINGS. Press "Right knob" to enter the corresponding sencondary menu.
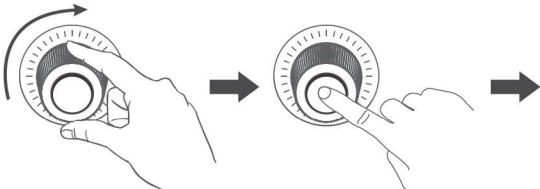
MENU	CH: 512
RADIO MODE	
UNLINK	
PRESS "MENU" TO RETURN	ON

MENU	CH: 512
RECEIVER MODE	
TRANSMITTER MODE	
PRESS "MENU" TO RETURN	ON

Rotate "Right knob" to RADIO MODE. Press "Right knob" to enter next menu.

MENU	CH: 512
RECEIVER MODE	
TRANSMITTER MODE	
PRESS "MENU" TO RETURN	ON

MENU	CH: 512
SET	
PRESS "MENU" TO RETURN	ON
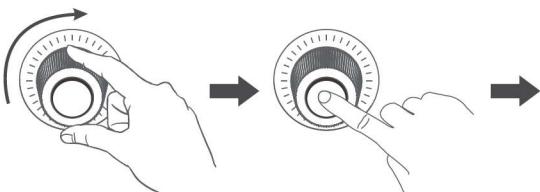
Rotate "Right knob" to select RECEIVER MODE. Press "Right knob" to set.

(2) UNLINK Setting

MENU	CH: 512
RADIO MODE	
UNLINK	
PRESS "MENU" TO RETURN	🔓♻ON

MENU	CH: 512
DO YOU WANT TO UNLINK?	
NO	YES
PRESS "MENU" TO RETURN	🔓♻ON
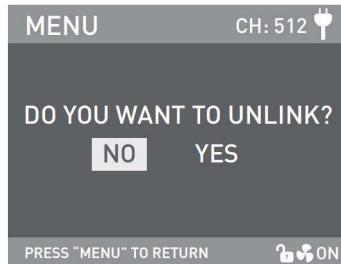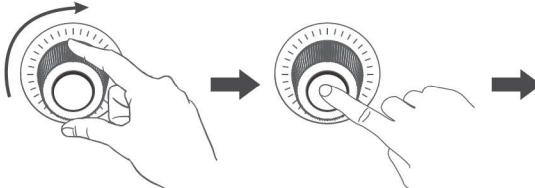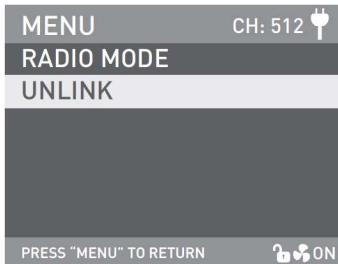
Rotate "Right knob" to UNLINK. Press "Right knob" to enter next menu.

MENU	CH: 512
DO YOU WANT TO UNLINK?	
NO	YES
PRESS "MENU" TO RETURN	🔓♻ON

MENU	CH: 512
SET	
PRESS "MENU" TO RETURN	🔓♻ON
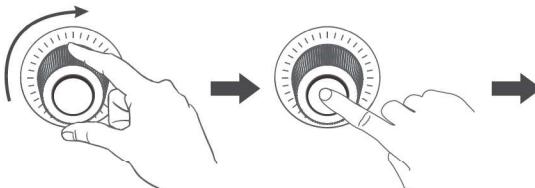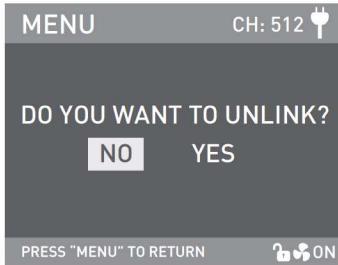
Rotate "Right knob" to select "YES". Press "Right knob" to set.

(3) Please refer to P24 of the manual or CRMX wireless DMX transmitter manual to connect the fixture or CRMX wireless DMX transmitter set to
TRANSMITTER MODE with the fixture set to RECEIVER MODE, the fixture can receive CRMX wireless DMX signals for remote control.

Note: · CRMX wireless DMX transmitter is sold separately.
         · In RECEIVER MODE, the LUMENRADIO SETTINGS should be set to UNLINK to allow it to be reconnected to new fixtures or transmitters.

②TRANSMITTER MODE

(1) Set the RADIO MODE to TRANSMITTER MODE and connect with the DMX/RDM console.
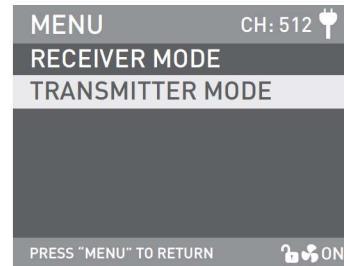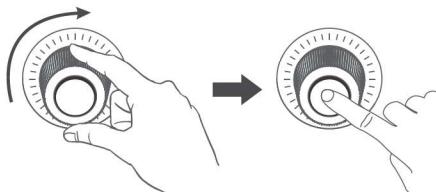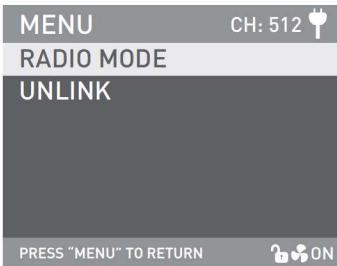
MENU	CH: 512
RADIO MODE	
UNLINK	
PRESS "MENU" TO RETURN	ON

MENU	CH: 512
RECEIVER MODE	
TRANSMITTER MODE	
PRESS "MENU" TO RETURN	ON

Rotate "Right knob" to RADIO MODE. Press "Right knob" to enter next menu.

MENU	CH: 512
RECEIVER MODE	
TRANSMITTER MODE	
PRESS "MENU" TO RETURN	ON

MENU	CH: 512
ATTENTION: WHEN USING TRANSMITTER MODE, THE CONTROLLING RANGE OF NANLINK BLUETOOTH AND 2.4G WILL BE SHORTEN.	
PRESS "MENU" TO RETURN	ON
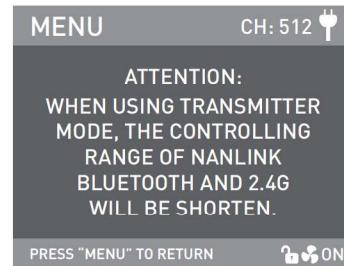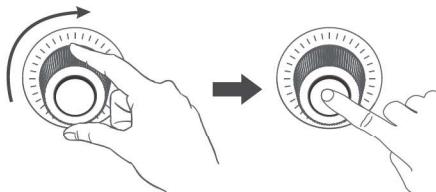
Rotate "Right knob" to select TRANSMITTER MODE. Press "Right knob" to set.

(2) The fixture can set the RF OUTPUT POWER when in TRANSMITTER MODE. The setting methods is as follows:

MENU	CH: 512
RADIO MODE	
RF OUTPUT POWER	
LINK	
PRESS "MENU" TO RETURN	ON

MENU	CH: 512
20dBm	
16dBm	
11dBm	
5dBm	
PRESS "MENU" TO RETURN	ON
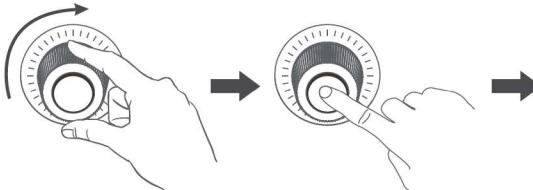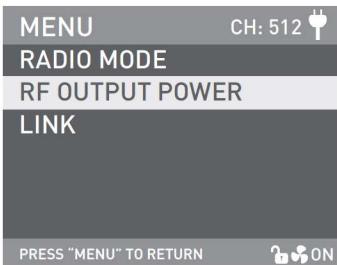
Rotate "Right knob" to OUTPUT POWER. Press "Right knob" to enter the next menu.

MENU	CH: 512
20dBm	
16dBm	
11dBm	
5dBm	
PRESS "MENU" TO RETURN	ON

MENU	CH: 512
SET	
PRESS "MENU" TO RETURN	ON
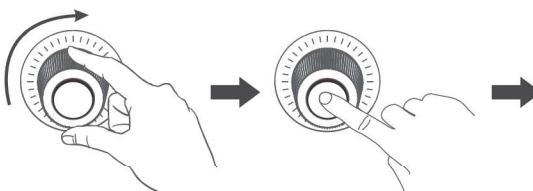
Rotate "Right knob" to select the desired RF OUTPUT POWER. Press "Right knob" to set.

(3) Set other fixtures that need to receive CRMX wireless DMX signals to RECEIVER MODE and set to UNLINK. (For setting method, please refer to P19.)

(4) Connect the fixture set in TRANSMITTER MODE with the fixture set in RECEIVER MODE.

When in TRANSMITTER MODE, the signal from the DMX/RDM console or DMX-based APP will be sent to the fixtures set to RECEIVER MODE.

The fixtures set to RECEIVER MODE should be set as follows:

MENU	CH: 512
RADIO MODE	
RF OUTPUT POWER	
LINK	
PRESS "MENU" TO RETURN	ON

MENU	CH: 512
LINK	
UNLINK	
PRESS "MENU" TO RETURN	ON
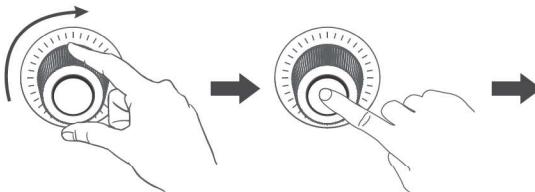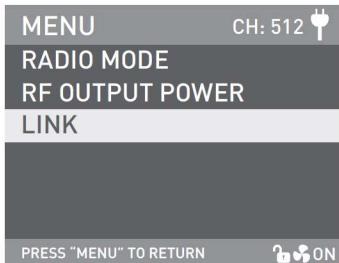
Rotate "Right knob" to LINK. Press "Right knob" to enter the next menu.

MENU	CH: 512
LINK	
UNLINK	
PRESS "MENU" TO RETURN	ON

MENU	CH: 512
LINKING...	
PRESS "MENU" TO RETURN	ON
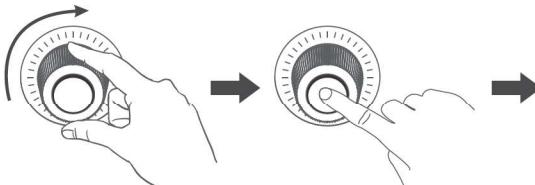
Rotate "Right knob" to select LINK. Press "Right knob" to set.

(5) UNLINK Setting

When the fixture needs to stop transmitting the CRMX wireless DMX signal, set the fixture to UNLINK. The setting method is the same as the UNLINK setting on P23.

▌Operating Instructions

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 supply and power the unit on. If the power indicator is on that means the power supply is normal, the screen will display "NANLUX".

Mode — DAYLIGHT   CH: 512 — Powered by power supply

— Address

Brightness — 100.0%
DIM

— Unlock/lock state
ON — Fan status
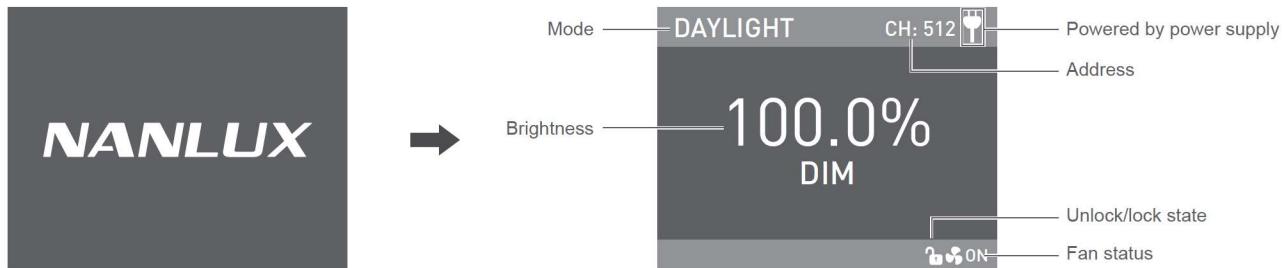
①DAYLIGHT Key: Press the DAYLIGHT key to enter the DAYLIGHT MODE, rotate the "Left knob", clockwise to increase brightness while counterclockwise to reduce the brightness.The screen shows the percentage of brightness, DIM range: 0.0-100.0%.

DAYLIGHT   CH: 512

0.0%
⋮
100.0%

100.0%
DIM

ON

DAYLIGHT   CH: 512

0.0%
DIM

ON
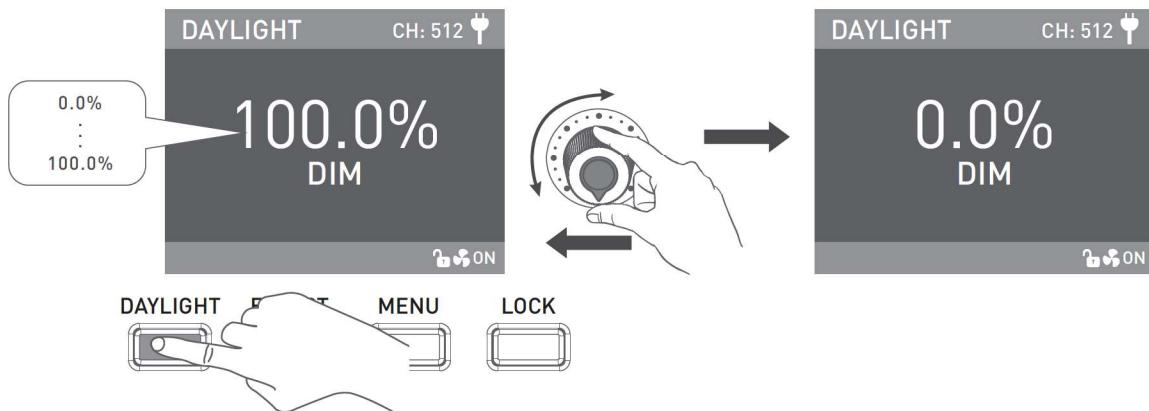
DAYLIGHT   MENU   LOCK

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

2. EFFECT Key: Press the EFFECT key to enter EFFECT MODE.

EFFECT MODE   CH: 512

EFFECT: INT LOOP

DIM: 0.0% - 100.0%
DECAY: 8s

ON

DAYLIGHT   EFFECT   LOCK

Left knob   Right knob
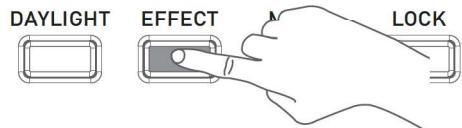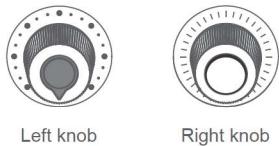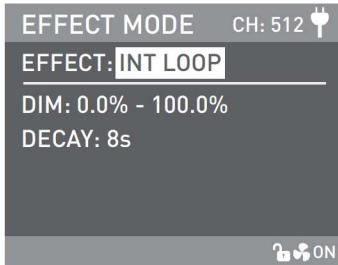
· Evoke 1200 has built-in effects including: INT LOOP, FLASH, PULSE, STORM AUTO, STORM MANUAL, TV, PAPARAZZI, CANDLE/FIRE, BAD BULB, FIREWORK, EXPLOSION AUTO, EXPLOSION MANUAL and WELDING.

EFFECT MODE   CH: 512

EFFECT: INT LOOP

DIM: 0.0% - 100.0%
DECAY: 8s

ON

INT LOOP
:
WELDING

EFFECT MODE   CH: 512

EFFECT: WELDING

DIM: 0.0% - 100.0%
SPEED: 50
PAUSE: OFF

ON
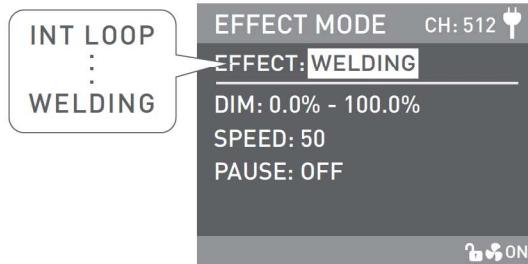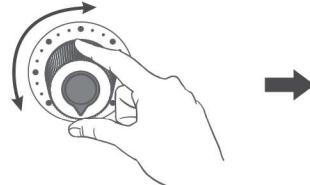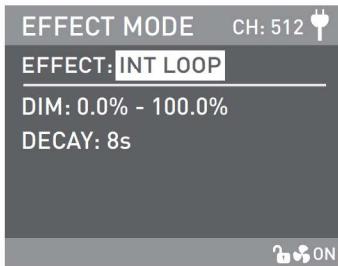
Rotate "Right knob" to select the desired special effect. Press "Right knob" to set.

①INT LOOP

For INT LOOP settings, rotate "Right knob" to select DIM and SPEED (Range: 2S-30S), then rotate "Left knob" to set the corresponding parameters.
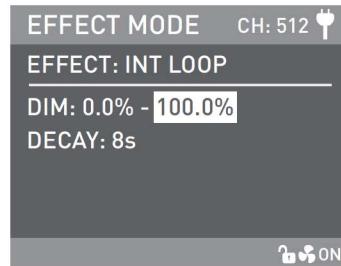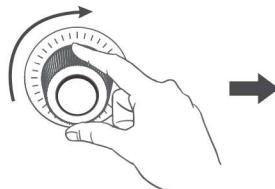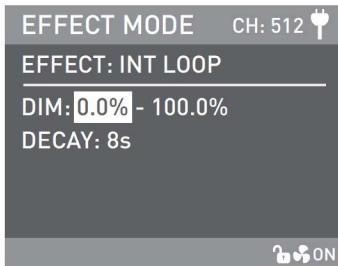
EFFECT MODE	CH: 512
EFFECT: INT LOOP	
DIM: 0.0% - 100.0%	
DECAY: 8s	
	ON

EFFECT MODE	CH: 512
EFFECT: INT LOOP	
DIM: 0.0% - 100.0%	
DECAY: 8s	
	ON

Rotate "Right knob" to select DIM and SPEED.

EFFECT MODE	CH: 512
EFFECT: INT LOOP	
DIM: 0.0% - 100.0%	
DECAY: 8s	
	ON

EFFECT MODE	CH: 512
EFFECT: INT LOOP	
DIM: 0.0% - 99.9%	
DECAY: 8s	
	ON
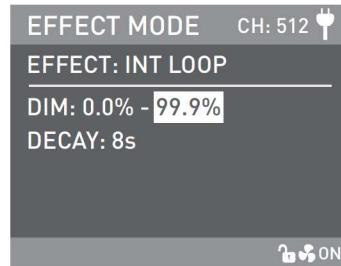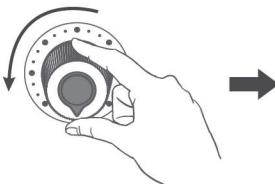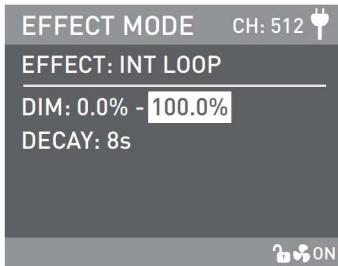
Rotate "Left knob" to set the corresponding parameters.

②FLASH

For FLASH settings, rotate "Right knob" to select DIM, INTERVALS (Range: 0.1s-10.0s) and FLASH RATIO (Range: 0% -100%), then rotate "Left knob" to set the corresponding parameters.

EFFECT MODE	CH: 512
EFFECT: FLASH	
DIM: 100.0%	
INTERVALS: 1.0s	
FLASH RATIO: 50%	
	ON

EFFECT MODE	CH: 512
EFFECT: FLASH	
DIM: 100.0%	
INTERVALS: 1.0s	
FLASH RATIO: 50%	
	ON
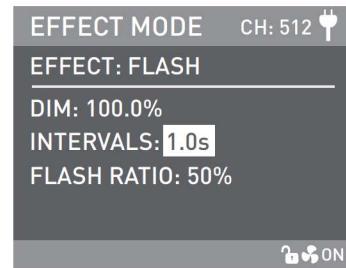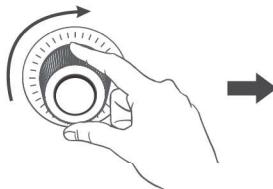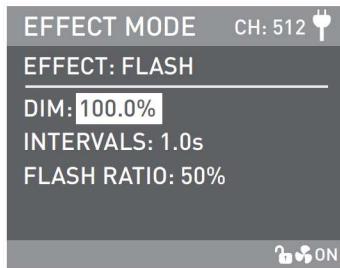
Rotate "Right knob" to select DIM, INTERVALS and FLASH RATIO.

EFFECT MODE	CH: 512
EFFECT: FLASH	
DIM: 100.0%	
INTERVALS: 1.0s	
FLASH RATIO: 50%	
	ON

EFFECT MODE	CH: 512
EFFECT: FLASH	
DIM: 100.0%	
INTERVALS: 1.1s	
FLASH RATIO: 50%	
	ON

Rotate "Left knob" to set the corresponding parameters.