NANLITE

Forza 60 II

USER MANUAL

Forza 60 Ⅱ LED Spot Light

▊ Product Diagram

NANLITE
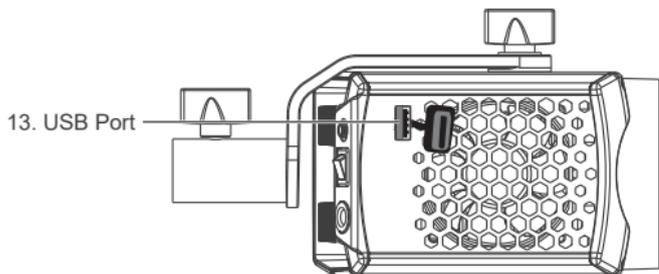
Forza 60 Ⅱ
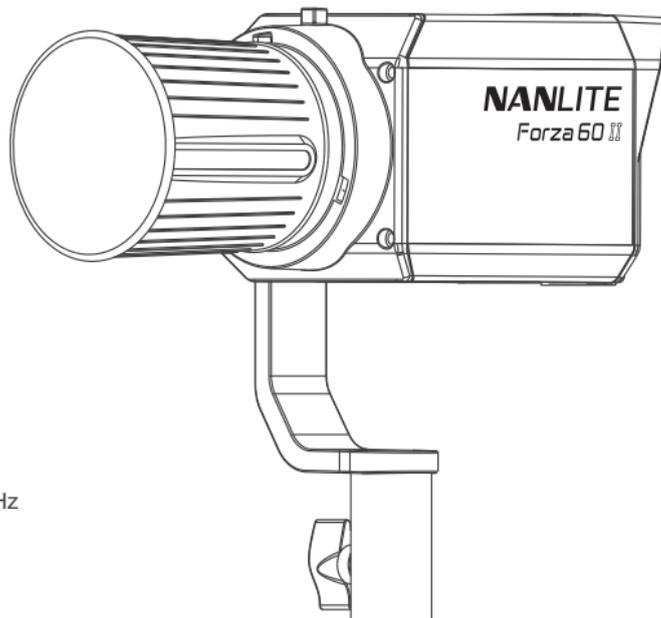
▊ Technical Data

Rated power: 72W
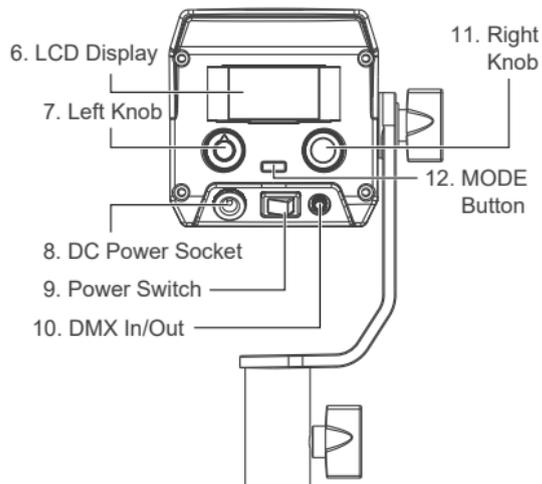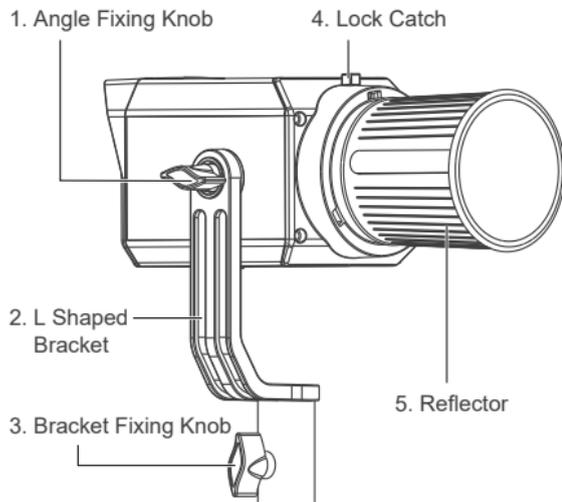
Input Voltage/Current: DC15V/6A Max

AC100-240V 50/60Hz

Color Temperature: 5600K

CRI: 95

TLCI: 98

Product Details

1. Angle Fixing Knob

4. Lock Catch

6. LCD Display

11. Right Knob

7. Left Knob

12. MODE Button

8. DC Power Socket

9. Power Switch

10. DMX In/Out

2. L Shaped Bracket

3. Bracket Fixing Knob

5. Reflector

13. USB Port

Detailed Description

1. Angle Fixing Knob: Allows for vertical adjustments and fixing of the light fixture.
2. L Shaped Bracket: Designed for connecting the light to the light stand and adjusting the direction of light.
3. Bracket Fixing Knob: For locking the light fixture and stand, and adjusting the horizontal direction of light.
4. Lock Catch: For installing and disassembling reflector and other accessories.
5. Reflector: For gathering light to improve the central illumination.
6. LCD Display: For displaying various function operations and data.
7. Left Knob: For adjusting the DIM and setting.
8. DC Power Socket: DC power input.
9. Power Switch: For switching on/off the fixture.
10. DMX In/Out: Connect to CB-DMX-3.5C-1/2 DMX adapter cable for DMX signal input and output
    (Note: CB-DMX-3.5C-1/2 DMX adapter cable is sold separately).
11. Right Knob: For selecting various functions.
12. MODE Button: For switching between daylight/special effects/menu.
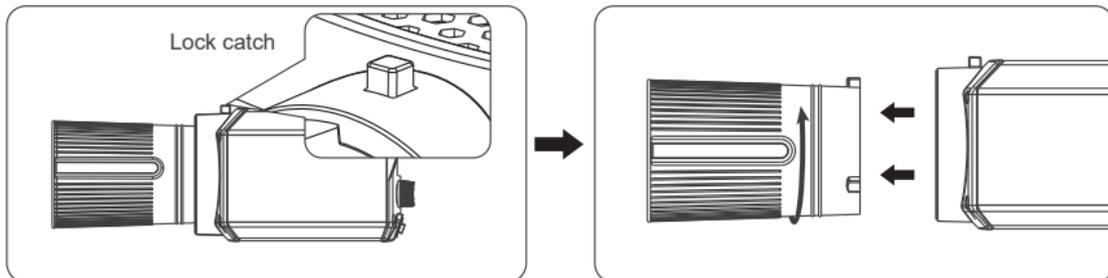13. USB Port: For updating the firmware.

▋Usage

1. Installation of the Reflector
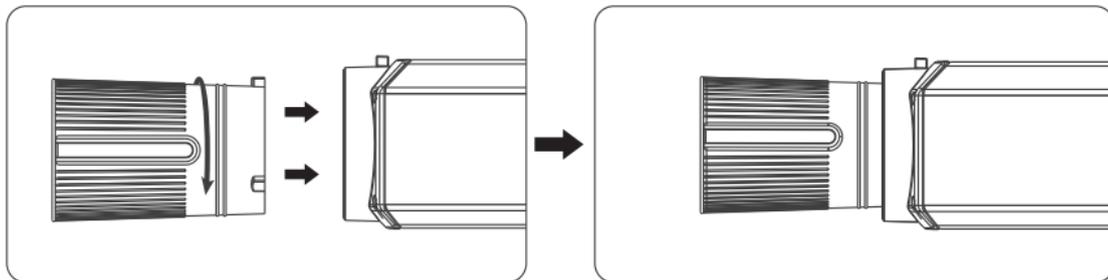
① When installing the reflector, ensure its mounting points align with the slots on the light fixture. When the mounting points and slots are aligned push the reflector in place and rotate it in the direction shown on the light until it click into place.

Note: This light is with FM mount, so please use accessories with FM mount, if the accessories with Bowens mount are needed, pls mount after installing the Bowens mount adapter.
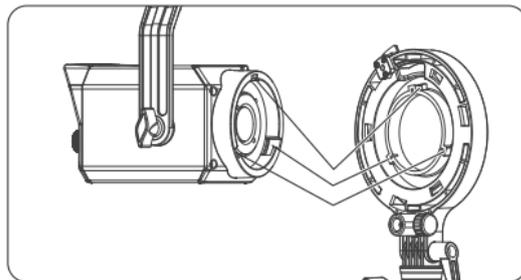

Lock catch

② When removing the reflector, push and hold the release button and rotate until the reflector is free to be removed from the fixture.
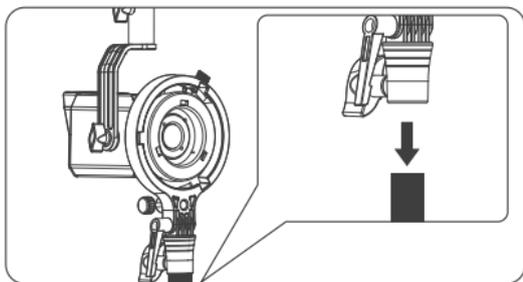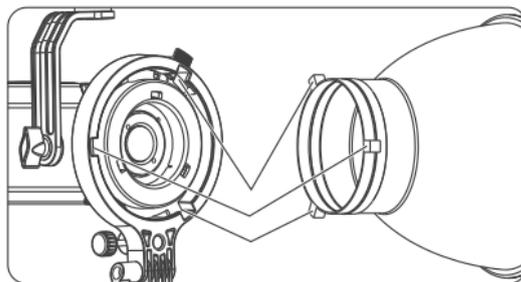
2. Installation of Bowens Mount Adapter
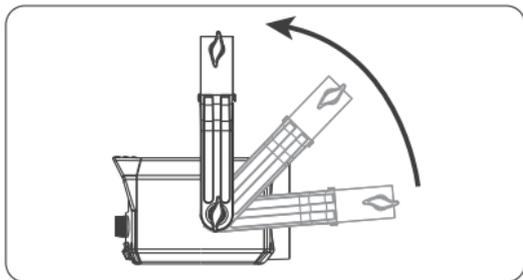
① Adjust the L shaped bracket to the top position before installation.


② When installing the adapter, ensure its mounting points align with the slots on the light fixture, rotate it according to the direction shown on the light until the adapter is put into place.


③ Mount the adapter on the light stand.

④ Ensure the Bowens mount accessories align with the slots of the Bowens mount adapter, rotate it according to the direction shown on the adapter until the accessories are put into place.
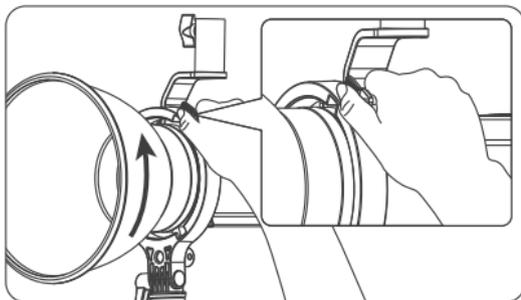
⑤ When removing the accessory, push and hold the release button and rotate according to the direction shown on the adapter until the accessory is free to be removed from the adapter.
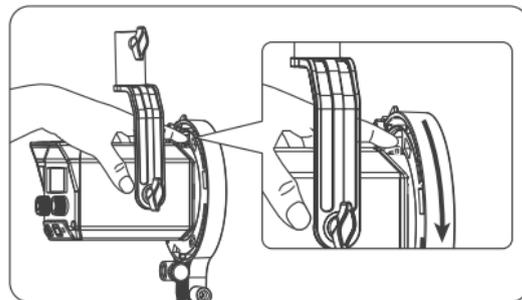
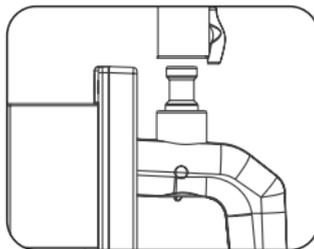⑥ When removing the adapter, push and hold the release button and rotate according to the direction shown on the light until the adapter is free to be removed from the light.
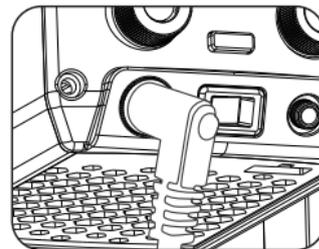
3. Installation of Battery Grip
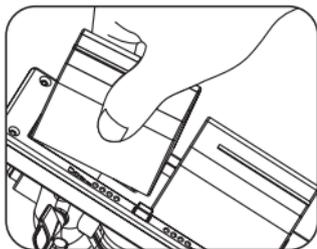
1. Slide 2*NP-F battery onto the battery holder

2. Mount the light onto the receiver on the grip and lock.

3. Ensure the light is switched off, connect DC plug into the DC power socket.

Remote Control

· Forza 60 II supports DMX/RDM control, 2.4G remote control, and there is built-in bluetooth module.
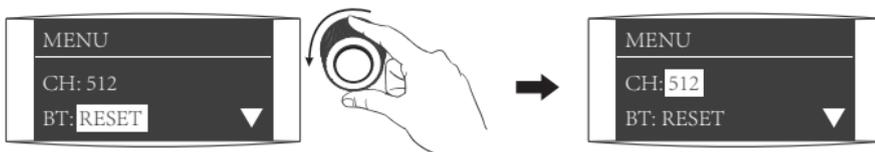▲ Address code need to be pre-set for DMX/RDM control and 2.4G remote control.

1. Channel/DMX mode setting, including CH, DMX MODE, DMX REDUCED CH, DMX DIM CURVE and DMX SMOOTHING setting.

① Channel Setting

Press the MODE button to enter the menu.
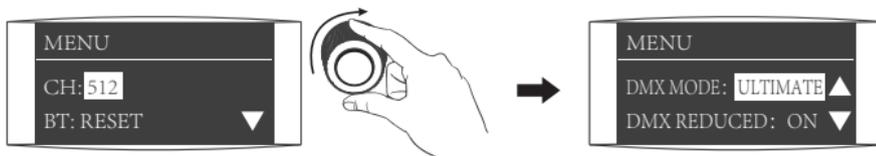

Rotate the "right knob" to CH.

Rotate the "left knob" to set the channel.

②DMX Mode Setting

Press the MODE button to enter the menu.

Rotate the right knob to DMX MODE.

Rotate the left knob to select desired DMX mode.

③DMX REDUCED CH

MENU
CH: 512
BT: RESET

MODE

Press MODE button to enter the menu.

MENU
CH: 512
BT: RESET

MENU
DMX MODE: DAYLIGHT ▲
DMX REDUCED: ON ▼
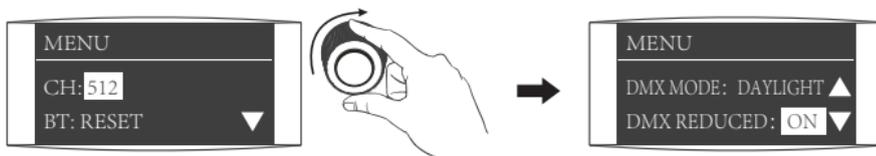
Rotate "right knob" to DMX REDUCED CH.

MENU
DMX MODE: DAYLIGHT ▲
DMX REDUCED: ON ▼

MENU
DMX MODE: DAYLIGHT ▲
DMX REDUCED: OFF ▼
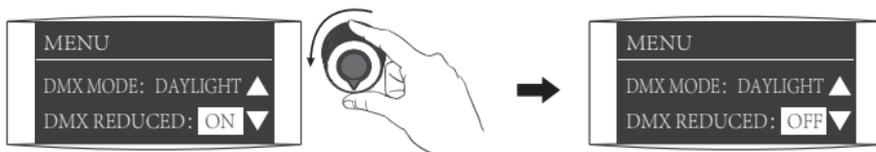
Rotate "left knob" to select ON or OFF.

④DMX DIM CURVE

Press MODE button to enter the menu.

Rotate "right knob" to DMX DIM CURVE.

Rotate "left knob" to select the desired DMX dimming curve.

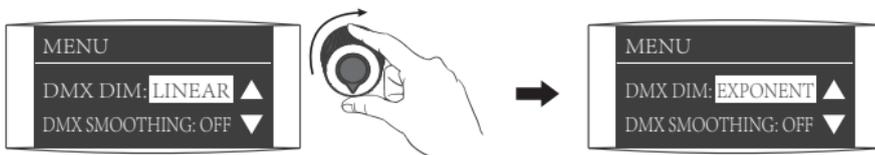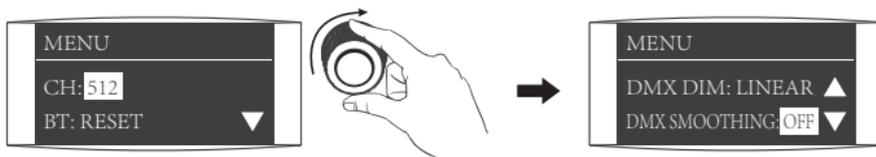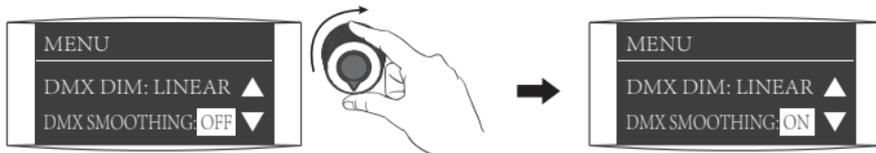⑤DMX SMOOTHING

Press MODE button to enter the menu.

Rotate "right knob" to DMX SMOOTHING.

Rotate "left knob" to select ON or OFF.

2. DMX Control

① Connection between the light and DMX/RDM console with DMX connector cable as below:

DMX IN

GND 1 — NC

DATA- 2 —

DATA+ 3 — NC

DMX OUT

NC — 1 GND

— 2 DATA-

NC — 3 DATA+

② DMX Terminator

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

5 — 1

— 2

4 —

120Ω

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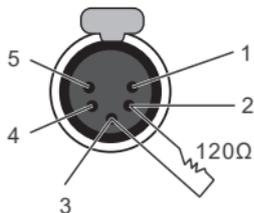
DMX Terminator Connection
Connect a 120Ω resistor across
Pin 2 and Pin 3 in an XLR plug
and insert into the DMX OUT
socket on the last unit.

PIN 2   PIN 3

③ Set the channel of the fixture.

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

(For detailed operation please refer to the DMX/RDM console operation manual.)

Note: DMX reference guide " Forza_60_II_DMX_REFERENCE_GUIDE_EN " is downloadable from www.nanlite.com.

Please scan the QR to check and download the latest DMX reference guide.

3. RDM Control

① Connect the light fixture to the console with RDM function using a connection cable.

② Control 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

0208: Forza 60 II

Manufacturer: NANGUANG

4. 2.4G and Bluetooth Remote Control

· Forza II 60 is able to be controlled by 2.4G remote controller, or by NANLINK APP via the WS-TB-1 transmitter box or via Bluetooth directly.

Note: ① 2.4G remote controller and WS-TB-1 transmitter box are sold separately.
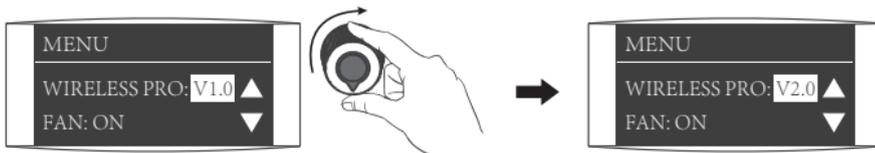
②The fixture supports the 2.4G wireless protocol V1.0 and V2.0. Set fixture to V2.0 while using WS-RC-C1 or WS-RC-C2 remote controller. Set fixture to V1.0 while using other remote controllers.

Press the MODE button to enter the menu.
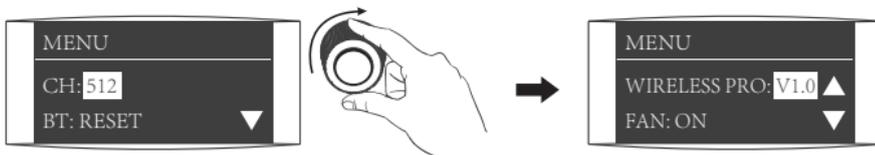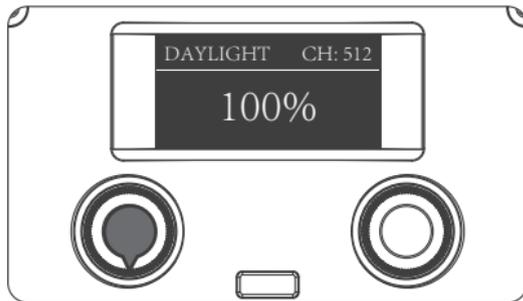
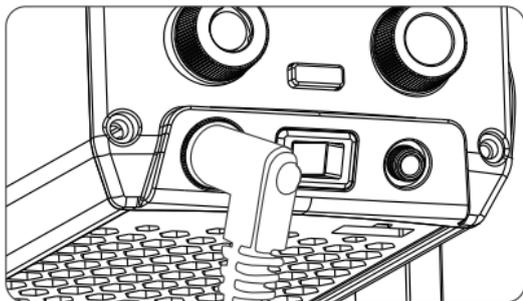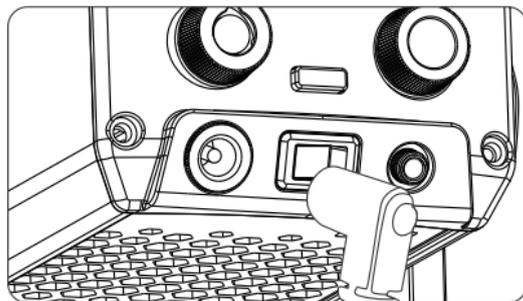

Rotate the "right knob" to WIRELESS PROTOCOL.
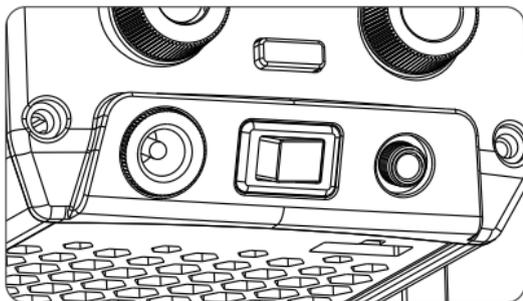

Rotate the "left knob" to select V1.0 or V2.0.

Operating Instructions

1. Connection between fixture and power adapter.
   ① First ensure that the power switch of the fixture is in the "off " position. Now turn on the light, the LCD screen will display all the relevant information for the fixture.
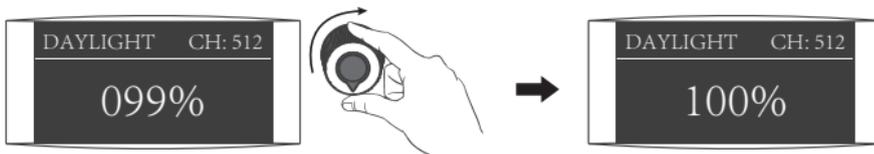

DAYLIGHT   CH: 512

100%

②Daylight Mode Setting

Press the MODE button, switch to the daylight mode, rotate the "left knob" clockwise to increase the brightness and rotate counterclockwise to decrease the brightness. The brightness percentage is displayed on the screen, and the brightness adjustment range is from 000% to 100%.

Press the MODE button, enter the daylight mode.

Rotate the "left knob" clockwise to increase the brightness.

Rotate the "right knob" counterclockwise to decrease the brightness.

Note: In daylight mode, press the "left knob" to turn off the light, and the DIM on the display screen is 000%.
Press again to restore its previous state, and press continuously to switch between on and off.
The maximum brightness is 30% when turn off the fan.

③FX setting:

There are a range of built-in effects for Forza 60 II including INT LOOP, FLASH, PULSE, STORM, TV, PAPARAZZI, CANDLE/FIRE, BAD BULB, FIREWORK, EXPLOSION and WELDING.
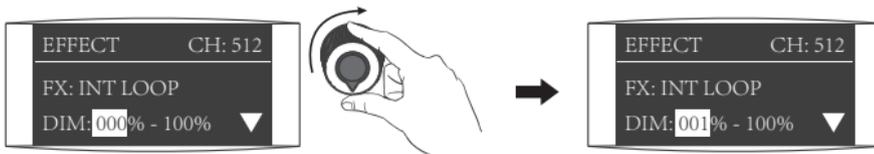

Press the MODE button to switch to the special effect interface.

(1) INT LOOP

To set the INT Loop, rotate the "right knob" to select DIM and SPD (speed range: 02s to 30s), and then rotate the "left knob" to set the corresponding parameters as required.
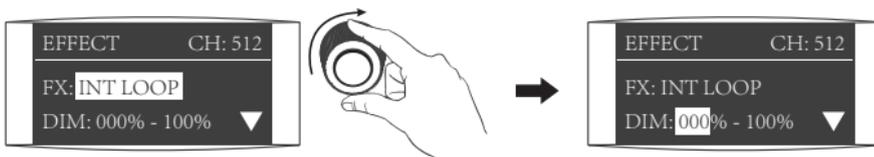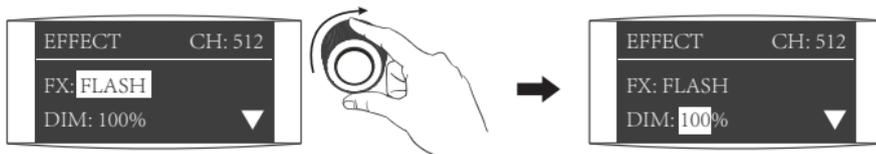

Rotate the "right knob" to select DIM and SPD.

Rotate the "left knob" to set the corresponding parameters as required.

(2) FLASH EFFECT

To set the flash effect, rotate the "right knob" to select DIM and INTVL (interval range: 0.1s to 10.0s).

Then rotate the "left knob" to set the corresponding parameters as required.
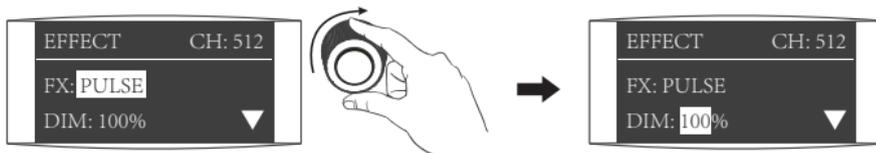

Rotate the "right knob" to select DIM and INTVL.

Rotate the "left knob" to set the corresponding parameters as required.

(3) PULSE

To set the pulse effect, roate the "right knob" to select DIM and P/MIN (P/MIN range: 001 to 240), then rotate the "left knob" to set the corresponding parameters as required.

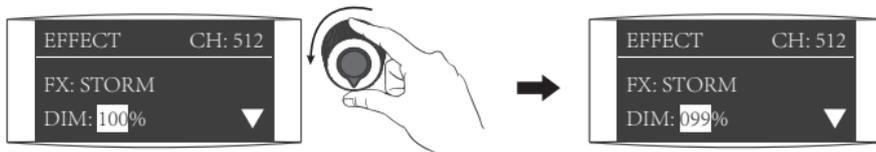Rotate the "right knob" to select DIM and P/MIN.

Rotate the "left knob" to set the corresponding parameters.

(4) STORM

    To set the storm effect, rotate the "right knob" to select DIM and INTVL (INTVL range: 01s to 60s), and then rotate the "left knob" to set parameters as required.
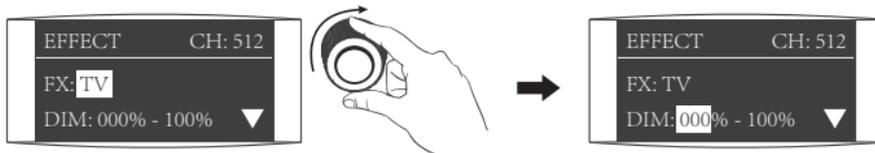

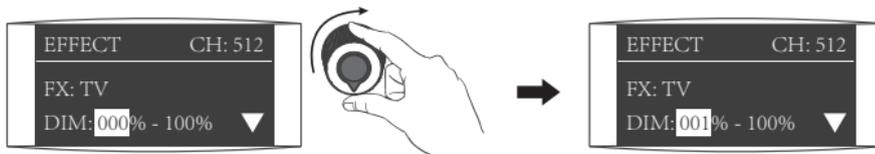Rotate the "right knob" to select DIM and INTVL.

Rotate the "left knob" to set parameters as required.

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(5) TV

   To set TV special effects, rotate the "right knob" to select DIM and SPD (speed range: 001 to 100), and then
   rotate the "left knob" to set the corresponding parameters as required.
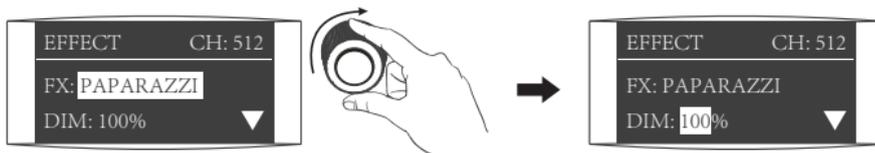

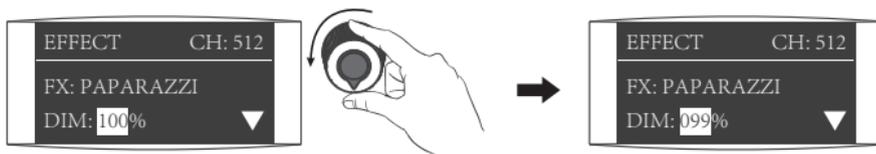Rotate the "right knob" to select DIM and SPD.

Rotate the "left knob" to set the corresponding parameters as required.

(6) PAPARAZZI

   To set paparazzi special effects, rotate the "right knob" to select DIM and SPD (speed range: 001 to 100), and
   then rotate the "left knob" to set the corresponding parameters as required.

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

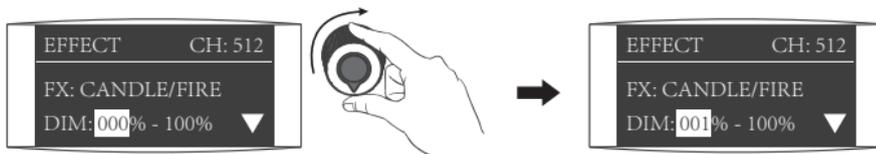Rotate the "left knob" to set the corresponding parameters as required.

(7) CANDLE / FIRE

To set the candle/fire effect, rotate the "right knob" to select DIM and SPD (speed range: 001 to 100), and then rotate the "left knob" to set the corresponding parameters as required.
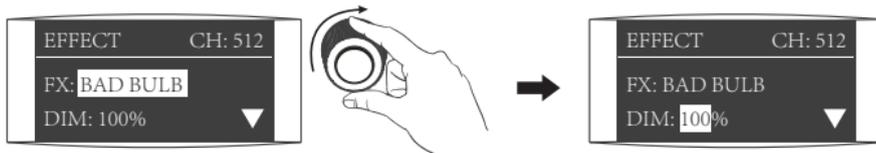

Rotate the "right knob" to select DIM and SPD.

Rotate the "left knob" to set the corresponding parameters as required.

(8) BAD BULB

To set the bad bulb effect, rotate the "right knob" to select DIM, INT (INT range: 001 to 100) and SPD (speed range: 001 to 100), and then rotate the "left knob" to set the corresponding parameters as required.

Rotate the "right knob" to select DIM, INT and SPD.

Rotate the "left knob" to set the corresponding parameters as required.

(9) FIREWORK

To set the fireworks effects, rotate the "right knob" to select DIM, SPD (speed range: 001 to 100) and DECAY (decay range: 001 to 100), and then rotate the "left knob" to set the corresponding parameters as required.

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

Rotate the "left knob" to set the corresponding parameters as required.

(10) EXPLOSION

To set the explosion effect, rotate the "right knob" to select DIM, SPD (speed range: 001 to 100) and DECAY (decay range: 001 to 100), and then rotate the "left knob" to set the corresponding parameters as required.
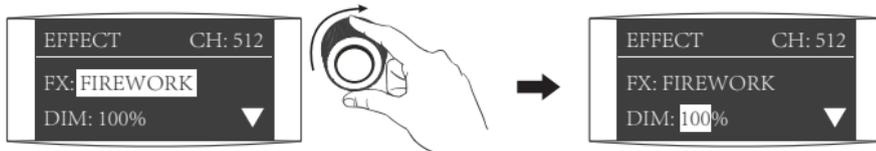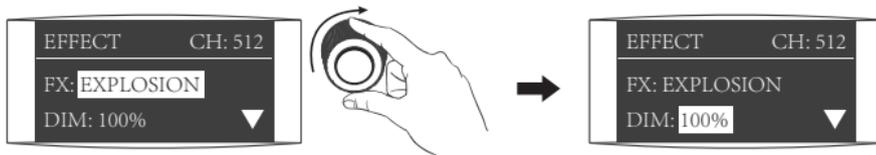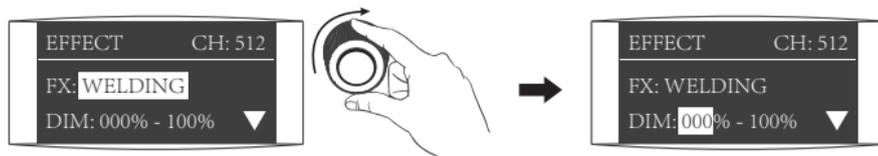

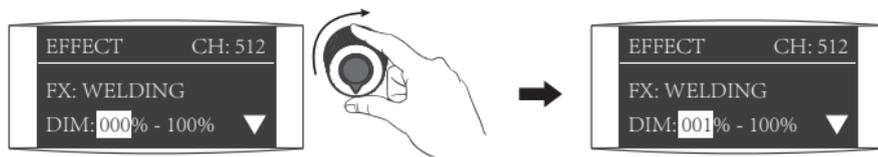Rotate the "right knob" to select DIM, SPD and decay.

Rotate the "left knob" to set the corresponding parameters as required.

(11) WELDING

To set the welding effect, rotate the "right knob" to select DIM, SPD(speed range: 001 to 100) and PAUSE (on and off), and then rotate the "left knob" to set the corresponding parameters as required. When pause is on, the light is dim.
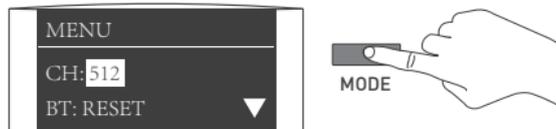

Rotate the "right knob" to select DIM, SPD and PAUSE.

Rotate the "left knob" to set the corresponding parameters as required.

· Special effects may be upgraded based on the firmware update. Please refer to the latest firmware function description for reference
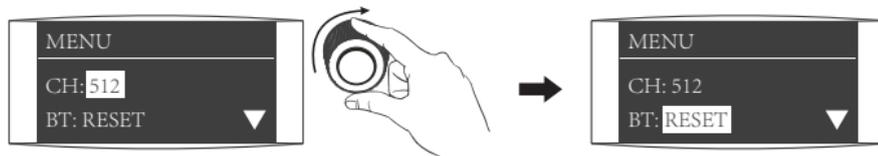
④ MENU

Press the MODE, to switch to the menu.

(1) For channel setting, please refer to P7 to set the address code.
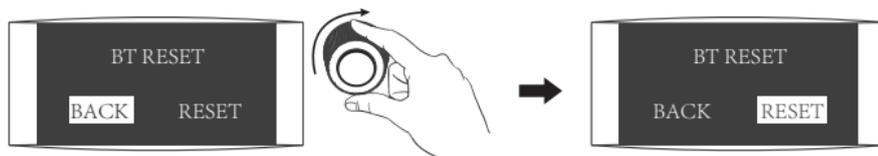
(2) Bluetooth Reset

Rotate the "right knob" to BT.

Press the "right knob" to enter the reset interface.

Rotate the "right knob" to select RESET.

Press the "right knob" to confirm the reset and it will return to the menu after Bluetooth reset.

(3) For DMX MODE setting, please refer to P8 for detailed operations.

(4) For DMX REDUCED CH setting, please refer to P9 for detailed operations.

(5) For DMX DIM CURVE setting, please refer to P10 for detailed operations.

(6) For DMX SMOOTHING setting, please refer to P11 for detailed operations.

(7) For WIRELESS PROTOCOL setting, please refer to P14 for detailed operations.

(8) Fan Setting
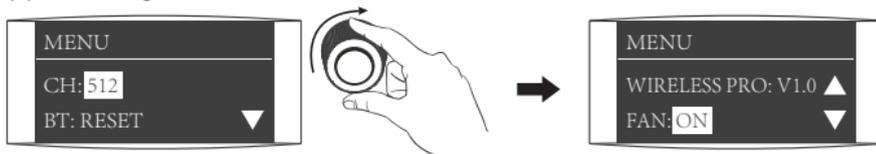
Rotate the "right knob" to FAN.

Rotate the "left knob" to select ON or OFF.

Note: The maximum output is 100% when the fan is turned on.

The maximum output is 30% when the fan is turned off.

(9) Firmware Update

Insert the USB flash drive with new firmware into the USB port of the fixture.

In the menu, rotate "right knob" to FW UPDATE.

Press the "right knob" to enter the interface of firmware update.
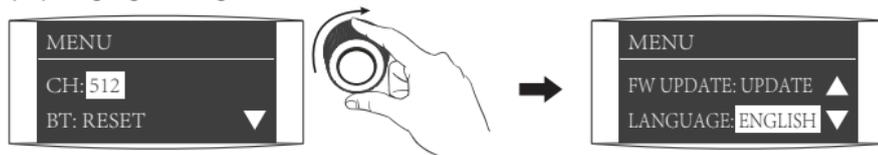

Rotate the "right knob" to select "UPDATE".

Press the "right knob" to confirm the update, and it will prompt "FIRMWARE UPDATED" after the firmware update is completed.

(10) Language Setting

Rotate the "right knob" to LANGUAGE.
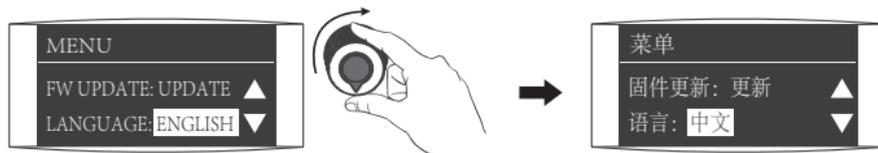
Rotate the "left knob" to select Chinese or English.

(11) Version
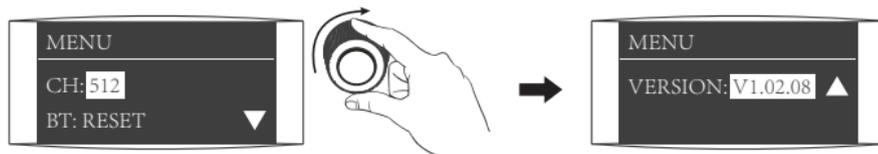
Rotate "right knob" to VERSION to check the current firmware version.

⑤ Lock or Unlock Settings: long press the "right knob" to lock the light status. The current light status cannot be changed by pressing the button or rotating the knobs. Long press the "right knob" again to unlock.

Long press the "right knob" to lock the light status.

Long press the "right knob" again to unlock.

2. When the fixture is not in use, please turn it off.

Safety Precautions

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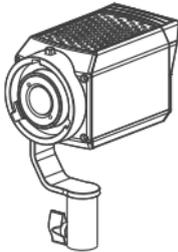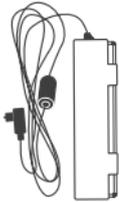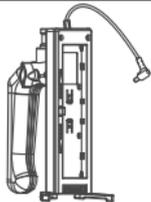2. Do not use a power cord with damaged insulation. Do not unplug hard or drag the power cord directly.
3. Make sure that the power supply voltage used matches the voltage specified by the light before installation.
4. Please turn the light off when you make cleaning or not using it.
5. Keep the light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

Notice

1. Please take down the COB protective cap before using the light.
2. Please do not look directly at the emitter when the light is on ⚠.
3. Please do not place any object on the light emitter or allow liquid to flow inside the fixture or the emitter.
4. Please wait 10 seconds to turn off the fixture after any paremeter setting in order to save it for future use.
5. Please do not place the fixure near flammable substances like alcohol or gasoline.
6. Please wipe off debris or dirty by using a cloth with clean water or neutral cleanser when cleaning the light.
7. The light should be safely operated where it won't be at risk of getting wet or under extreme temperature. Please make sure the ventilation fan is not blocked or obstructed.
8. Please do not attempt to repair the light fixture by yourself. Attempts to self repair will void warranty. Qualified professionals should make maintenance under the conditions of strictly following the operating procedures described in this manual.
9. Please ensure the vents would not be covered when using, to avoid heat dissipation, resulting in the light damaged. When using the light for a long time, the temperature of the light surface will be high, please pay attention to anti-scalding.

What's in th box? Please kindly check.

Forza 60 II ×1	Power Adapter ×1	Power Cable 3M ×1	User Manual × 1
Carrying Bag ×1	Bowens mount adapter ×1	COB Protective Cap ×1	DMX Reference Guide ×1
RF-FMM-45-S Reflector ×1	BH-FZ60 ×1		

▐ General Fault Detection and Diagnosis

Fault Detection	Diagnosis
The light won't start up.	1. Please check whether there is loose connection between the power adapter and the power cable or the power adapter and the outlet. 2. Please check whether the voltage of power adapter is within designated range. 3. Please check if the battery is installed properly when using an external battery, and if the voltage/current of battery is within designated range.
The fixture can run, but can't be controlled.	1. Please check if the address code is properly set. 2. Please check if the DMX connection cable is connected properly for DMX control solution.
OELD display is on but no light output.	COB or main board might be damaged.
The built-in fan doesn't work.	Please check if the fan is in the "off" setting.
If the above faults can not be fixed after troubleshooting, please contact distributors or manufacturer for repair.	

This manual has been compiled according to the rigorous testing of our company's products. Product designs are subject to change without prior notice.

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