GEEKOTO

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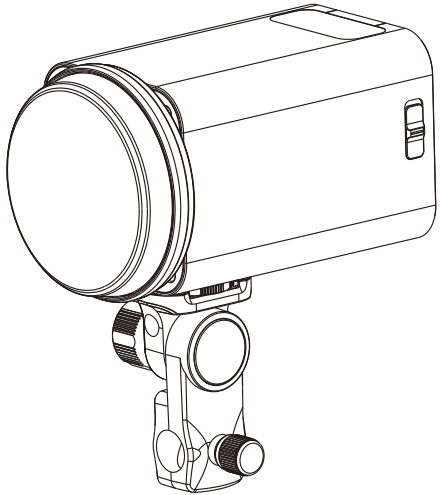
NLX

New Lighting Experience



User's manual

CONTENTS

Preface

Before using this product, please read this manual carefully to ensure that you can use it safely. Please keep this manual for future reference.

Safety Notice

▲ Please keep it dry.

▲ Do not disassemble the product privately. If the product fails, the company or authorized maintenance personnel must inspect and repair it.

▲ Keep children away from this product.

▲ It is forbidden to disassemble, hit, squeeze or throw into fire. If severe swelling occurs, do not continue to use it. Do not place it in a high temperature environment exceeding 50 degrees.

▲ Do not flash the flash head directly to human eyes (especially the eyes of babies), otherwise, it may cause visual impairment in a short time.

▲ Do not use the flashlight near chemicals flammable gases or other special substances. These substances may be sensitive to the instant strong light emitted by the flashlight under special circumstances and may cause fire or electromagnetic interference. In these situations, please pay attention to the relevant warning signs.

▲ This product is not waterproof, please pay attention to waterproofing in rainy and humid environments.

▲ If any malfunction occurs, turn off the power of the flash immediately.

Features

The NLX-140 / NLX-280 flash is a wireless TTL flash. It uses the built-in Jiebao 2.4G wireless G system. With our G series trigger, it can remotely control the TTL/M/Multi mode to trigger the NLX-140 / NLX-280 flash; at the same time, it can also follow the Jiebao Treasure TTL top light, TTL outside shooting light, and TTL studio light are used in combination with the TTL master-slave function. Using the NLX-140 / NLX-280 flash, you will get a simpler shooting experience. In the case of complex light changes, you can automatically obtain accurate flash exposure, making shooting easy.

Product characteristics are particularly manifested in the following aspects:

01. Fully compatible with wireless TTL system: adopts built-in Jiebao 2.4G wireless G system, which can support Canon E-TTL, Nikon i-TTL and other TTL automatic flash systems; it can be used as a slave unit of wireless multi-light flash system, making shooting simple and fast.

02. Powerful, compact and portable: The flash power is up to 140/280W, which is very convenient to carry.

03. High-quality AV display: intuitive display and easier operation.

04. Built-in 2.4G wireless transmission: 50 meters long distance, unlimited creativity.

05. Studio light quality: power up to 140/280Ws.

06. Professional power supply: use international brand batteries, large-capacity power box (14.4V/2900mAh), 0.01-2.1s recycling, more than 500 flashes in full light.

07. Wireless control: Built-in Jebao 2.4G wireless G system can realize TTL control, and external can use Jebao G1 remote control, which can wirelessly control the power of the flashlight, etc., and trigger the flash simultaneously; at the same time, there is a 2.5mm synchronization Jack, can realize a variety of synchronous triggering methods.

08. Precise dimming: large power adjustment range (1/1-1/128), 22-level precise fine-tuning, and light effect control more freely.

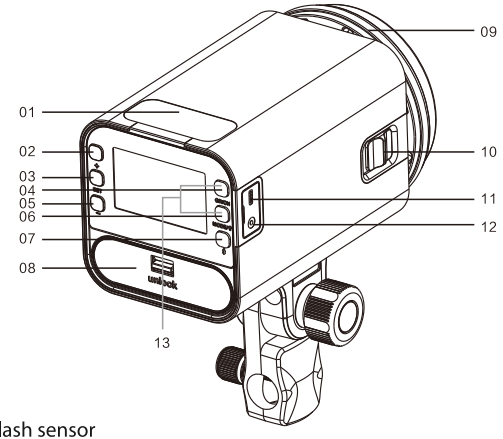
09. The color temperature is constant: the color temperature is kept within the range of 5600±200K throughout the process.

10. Advanced functions: support 1/8000 second high-speed synchronization, high-speed strobe, high-speed remote control synchronization trigger, etc.

11. LED modeling lamp: brightness can be adjusted (10%-100%), color temperature can be adjusted (5600K-3300K).

Part Name

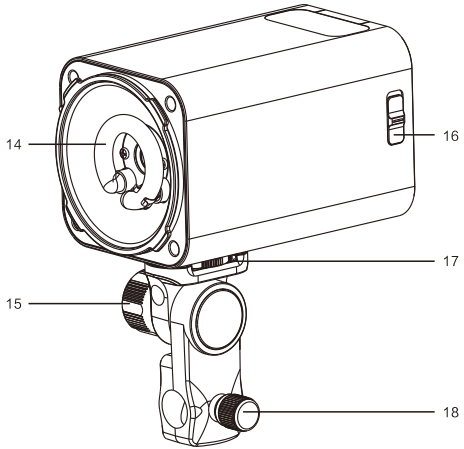
Body



01: Flash sensor
02: + key
03: Confirmation key / setting key / custom key (long press)
04: Group key (short press) / channel key (long press)
05: - Key
06: Mode/modeling light (long press)
07: Indicator/Trial flashing key
08: Battery
09: Diffuser
10: Diffuser safety bolt
11: USB socket
12: 2.5mm sync jack
13: Restore factory settings

Part Name

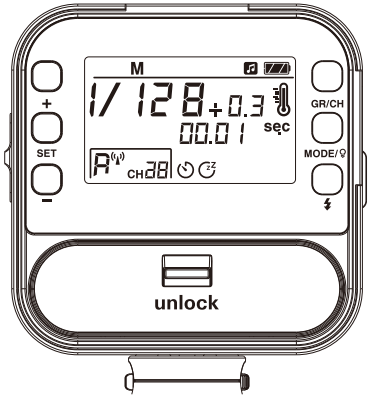
Body



14: Lamp
15: Angle adjustment knob
16: Power switch key
17: Bracket rotation knob
18: Fixing and locking knob of

Part Name

Operation



[+] **key**, short press/long press: setting item parameter +

[-] **Key**, short press/long press: setting item parameter-

[SET] key, short press: select setting item Long press: enter or exit custom functions

[+] + [-] **key**, press and hold both buttons at the same time, switch between G system and X system

[GR/CH] key, short press: group switch A/B/C/D Long press: the channel value flashes, enter the channel setting mode, press the +/- key to change the channel

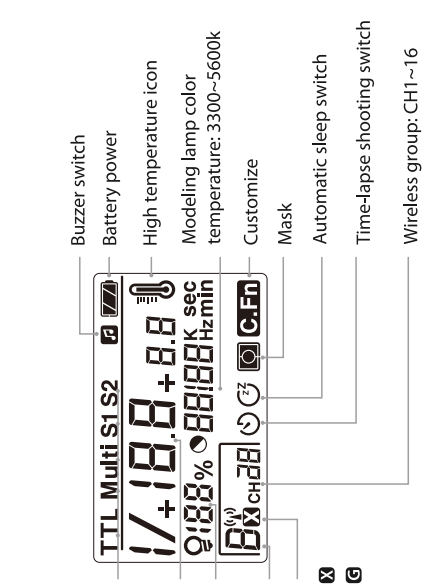
[MODE] key, short press: mode switch TTL/M/Multi/S1/S2 long press: modeling light switch

[TEST] key, short press: test flash

[GR/CH] + [MODE] key, press the two buttons at the same time to restore the factory settings

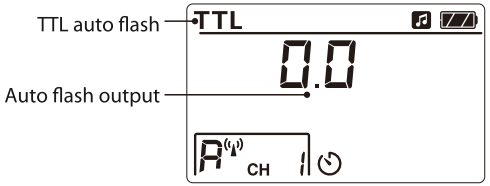
Part Name

Display

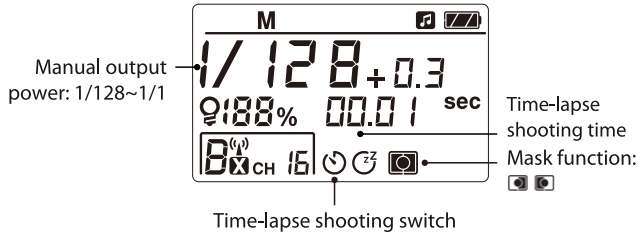


Part Name

TTL auto flash

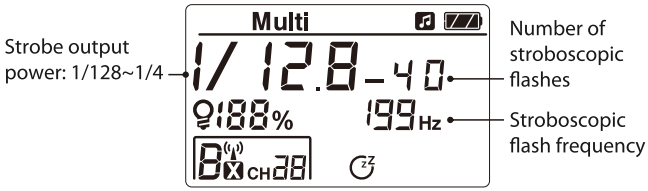


M manual flash

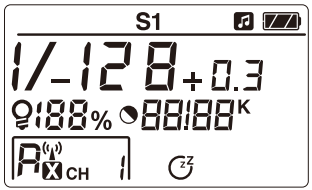


Part Name

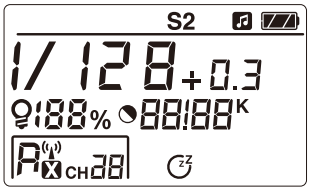
Multi stroboscopic flash



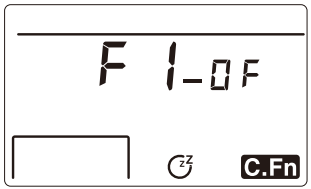
S1 slave mode



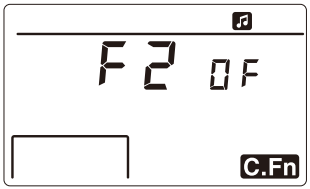
S2 slave mode



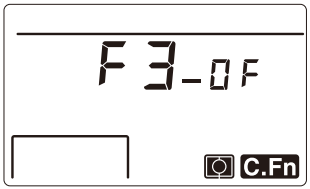
Custom mode



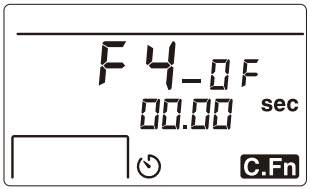
Sleep mode setting:
0--OF
1--30Min
2--60Min



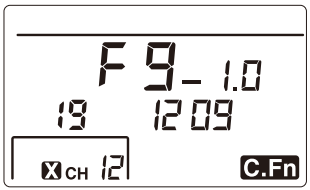
Buzzer settings:
0--OF
1--ON



Mask setting (M):
0--OF
1--First trigger
2--The second trigger



Time-lapse shooting setting (M):
0--OF
>0--ON
0.01-30.00 seconds



Version Information

Battery

Characteristic

1. This product uses internationally famous brand lithium batteries, supports repeated charge and discharge 500 times, and has a long service life;

2. Safe and reliable, the built-in circuit has overcharge protection, over-discharge protection, overcurrent protection, and short circuit protection;

3. It only takes about 4 hours to use the standard battery charger.

Precautions

1. Avoid short circuit between positive and negative poles;

2. The battery has no waterproof function, do not soak the battery in fog or water;

3. Placed in a place out of reach of children;

4. Do not leave the battery to charge for more than 24 hours;

5. The battery should be stored in a cool, dry and ventilated place;

6. Do not put the battery close to or in the fire;

7. After the battery is scrapped, please dispose of it according to local regulations;

8. If you don't use it for a long time, please charge it to 60% before placing it;

9. If the battery is not used for more than 3 months, please charge the battery.

Battery level indicator

Correctly install the lithium battery on the flash to power the flash. Please check the battery icon on the flash screen when using it, you can grasp the power status at any time.

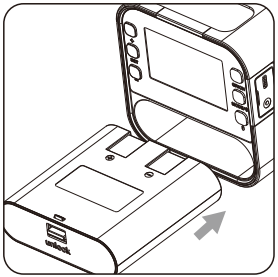
AV screen battery symbol display	Significance
3 grids	Fully charged
2 grids	CLP
1 grid	Low power
Unqualified	The battery is low, please charge it in time
Flicker free	The battery is about to run out. The flash is not supported in this state, and it will automatically shut down after 1 minute. Note: Please charge as soon as possible (within 10 days) in this state before using or placing it.

Basic operation

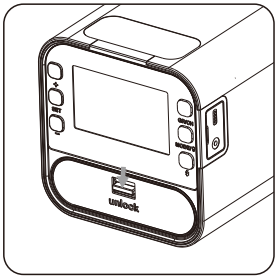
Power management

The power switch controls the opening and closing of the product, please turn off the power when not in use for a long time. This product is designed with power automatic sleep function, the flash will automatically sleep when there is no operation for a long time (30/60 minutes).

Lithium battery installation method



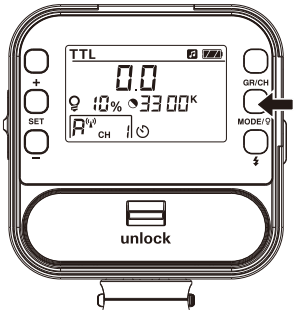
Insert the battery
Insert the battery in the direction indicated by the arrow



Remove the battery
Press the button in the direction shown by the arrow, and the battery will pop out automatically.

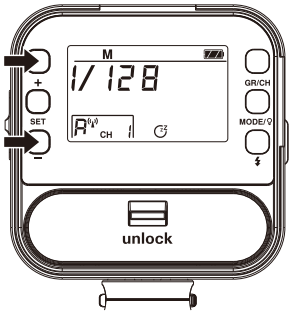
Modeling lights

The brightness and color temperature of the modeling lamp of the NLX-140 / NLX-280 flash are adjustable. The brightness can be adjusted between 10%-100%; the color temperature can be adjusted between 5600K-3300K, 5600K is white light, and 3300K is yellow light.



- Long press the (**MODE/**) button, the screen displays( )
- **The brightness Dimming**
  Short press the (**SET**) button, ( ) flashes on the screen, and then press the + and-keys to adjust the brightness of the LED modeling lamp.
- **Color temperature adjustment**
  Short press the (**SET**) button, on the screen ( ) Flashes, and then press the + and-keys to adjust the color temperature of the LED modeling lamp.

Wireless system switching



- **System switch**
  Long press the + and-keys at the same time to switch between the G system and the X system.
  G system:
  X system:

TTL auto flash mode

The flash has five modes: TTL auto flash, M manual flash, Multi stroboscopic flash, S1 and S2. In TTL mode, the camera's metering system will detect the flash lighting reflected from the subject, thereby automatically adjusting the flash output to achieve a balanced exposure of the subject and background.
Short press the (**MODE/**) mode selection button, five flash modes will appear on the LCD screen in sequence.

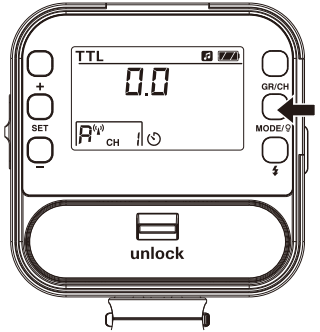
TTL mode:

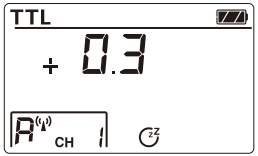
By short pressing the (**MODE/**) mode selection button, set the flash to (**TTL**), you can make the flash enter TTL mode.

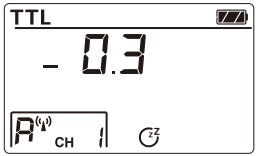
Exposure compensation:

The flash can adjust the flash exposure compensation in increments of 1/3 steps between ±3 steps. This function is very useful when the TTL system needs to be fine-tuned due to environmental requirements.

Set flash exposure compensation:



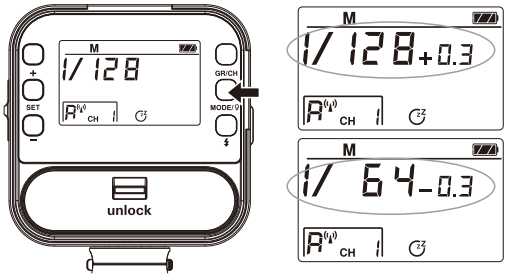




- Press (+), "+0.3" indicates 1/3 level, and "+0.7" indicates 2/3 level.
- Press (-), "-0.3" indicates 1/3 level, and "-0.7" indicates 2/3 level.
- To cancel the flash exposure compensation, set the flash exposure compensation amount to "+0".

M Manual Flash

By short pressing the (**MODE/**) mode selection button, set the flash to (M), you can make the flash enter Enter M manual mode. You can set the flash output from 1/128 power to 1/1 full power in 1/3 steps. To obtain the correct flash exposure, use a hand-held flash meter to determine the required flash output.



- Short press the (**MODE/**) mode selection button, and (**M**) is displayed on the screen.
- Press the (+) (**-**) key to set the flash output power.

Show flash output

When changing the flash output during shooting, the table below will clearly show how the aperture value is changed. Such as 1/2-0.3 ⟶ 1/2+0.3. You can see how the aperture value changes when you increase or decrease the flash output. For example, when the flash output is reduced to 1/2, 1/2-0.3, or 1/2-0.7, and then increased to greater than 1/2, 1/2+0.3, 1/2+0.7, it will display 1/1.

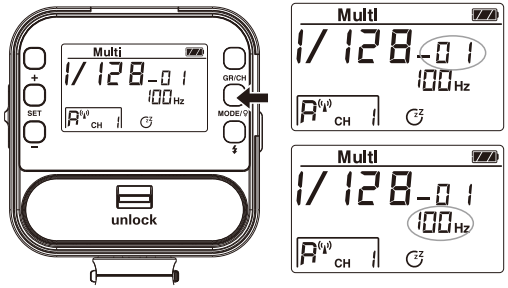
Reduce the flash output index ⟶

1/1	1/1 0.3	1/1−0.7	1/2	1/2−0.3	1/2−0.7	1/4	·····
	1/2+0.7	1/2+0.3		1/4+0.7	1/4+0.3		·····

⟵ Increase flash output index

Multi Stroboscopic Flash Mode

Using stroboscopic flash, a series of rapid flashes can be emitted. It can take multiple images of moving objects on one photo. You can set the flash frequency (the number of flashes per second, expressed in Hz), the number of flashes, and the flash output.



- Short press (**MODE/**) mode selection button, the screen displays (Multi)
- Set the flash frequency and number of flashes

  Press the (SET) button shortly to flash the number of flashes (-01) on the screen, press (+) (**-**) to set the number.

  Short press the (SET) button and the flash frequency value (100Hz) flashes on the screen, press (+) (**-**) to set the number.

Calculate the shutter speed

During the stroboscopic flash, the shutter should remain open until the flash stops. Use the formula below to calculate the shutter speed, and then set it with the camera.

Number of flashes / flash frequency = shutter speed

For example, if the number of flashes is 10 and the flash frequency is 5 Hz, the shutter speed is at least 2 seconds.

> ⚠ To prevent the flash head from overheating and damage, please do not perform continuous stroboscopic flash shooting more than 10 times. After firing 10 times, let the flash cool for at least 15 minutes. If you try to perform continuous stroboscopic flash shooting more than 10 times, the flash may stop automatically to prevent the flash head from overheating. If this happens, let the flash cool down for at least 15 minutes.

Multi Stroboscopic Flash Mode

- It is more effective to use stroboscopic flashing on a highly reflective subject in front of a dark background.
- It is recommended to use a tripod and remote control switch.
- Stroboscopic flash cannot be set when the flash output is 1/1 and 1/2.
- "buLb" can also be used when stroboscopic flashing.
- If the number of flashes is displayed as --, the flash will continue to fire until the shutter or the battery runs out. As shown in the table below, the number of flashes will be limited.

Relation table between flash power and flash times

Flash Power	1/128	1/64	1/32	1/16	1/8	1/4
Number of Flashesr	1–40	1–20	1–12	1–8	1–4	1–2

High-Speed Synchronization

With high-speed sync (FP flash), you can use the flash simultaneously at all shutter speeds. Highly synchronized flash is particularly convenient when using aperture priority to fill flash portraits.

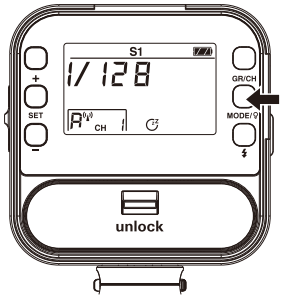
- With high-speed sync, the higher the shutter speed, the smaller the effective flash range.
- In high-speed sync mode, stroboscopic flash cannot be set.

High-speed sync settings

For Canon version, high-speed synchronization needs to be set on the high-speed flash trigger.

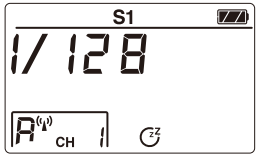
For the Nikon version, high-speed synchronization needs to be set in the camera.

S1 Flash Mode

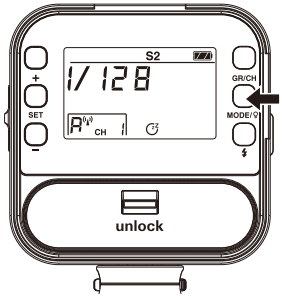


S1 light control unit settings

Short press the (**MODE/**) mode selection button, (**S1**) is displayed on the screen, the light can be used as a secondary light to create a variety of lighting effects, suitable for manual flash environment. It will trigger the flash synchronously with the first flash of the main flash, and the effect is the same as using a wireless flash trigger.

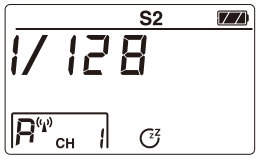


S2 Flash Mode



S2 light control unit settings

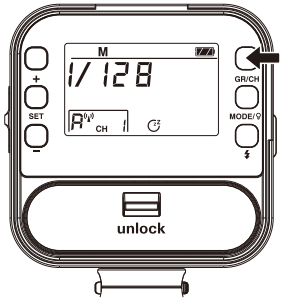
Short press the (**MODE/**) mode selection button, (**S2**) is displayed on the screen, and the flash can be used as a secondary light, suitable for TTL flash environment. It has an anti-pre-flash function, using a camera with a one-time pre-flash function can use light control to achieve synchronized shooting. It will trigger the flash synchronously with the second flash of the main flash, that is, 2 light-controlled flashes.



Group Setting / Channel Setting

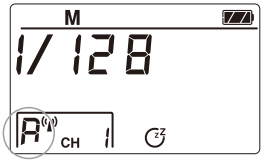
NLX-140 / NLX-280 uses the Jebao 2.4G wireless G system, which can be perfectly combined with other models of our factory.

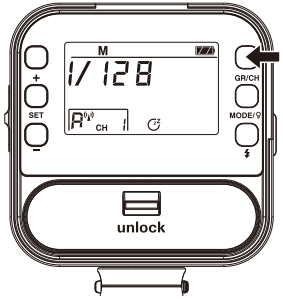
As a slave unit, it is compatible with Canon/Nikon/Sony/Fuji TTL system and automatically switches according to the master control unit. No need to set it manually. One or more NLX-140 / NLX-280-TTLs can be shared in the same place at the same time by using Jiebao G1 flash trigger, seamless integration, impeccable!



Set up distribution group

Short press the (GR/CH) button to switch the group, switch among A, B, C, D

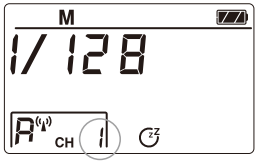




Set up communication channel

Long press the (**GR/CH**) button, (CH) on the screen

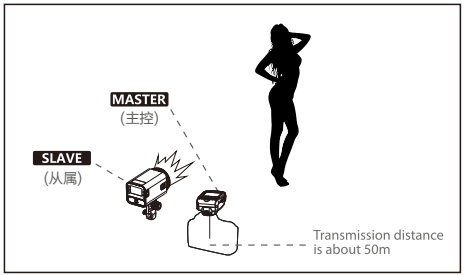
The number flashes, and then press the (+) (-) key to set the channel (**1-16**).



Wireless Flash Photography

Positioning and operating range (example of wireless flash photography)

- Use a slave unit for automatic flash shooting

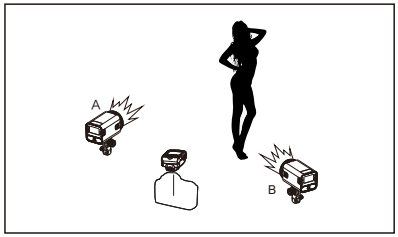


- Use the included bracket to position the slave unit.
- Please perform a test flash and trial shooting before you start shooting.
- Affected by the location of the slave unit, surrounding environment, weather conditions, etc., the transmission distance may be shorter.
- There is a lot of wireless signal interference. If it leaks, please change the channel to avoid interference.

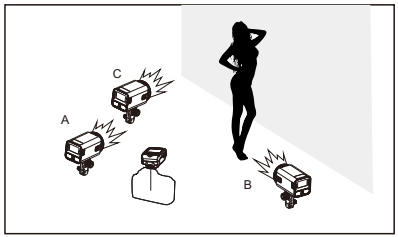
Wireless Flash Shooting

Wireless multiple flash shooting

You can divide the slave unit into two or three groups and perform TTL auto flash shooting while changing the flash ratio (magnification). In addition, you can set and shoot with different flash modes for each firing group (up to 4 groups).



● Auto flash shooting with two slave groups.



● Auto flash shooting with three slave groups.

When the NLX-140 / NLX-280 is used with the Jebao G1 transmitter, the following functions of the flash can be controlled by G1:

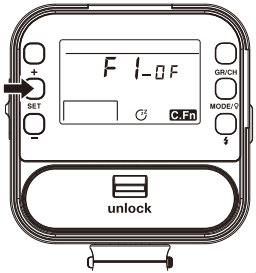
- Flash mode: TTL, M, Multi
- Synchronous flash: front curtain, rear curtain, high-speed sync
- Power size control

C.Fn: Set Custom Function

Please refer to the native application bar in the chart.

Custom function	Function	Setting Symbol	Settings and Instructions
F1	Sleep mode	OF	Shut mown
		30 min	No action
		60 min	Automatic sleep
F2	Buzzer	ON	Start up
		OFF	Shut down
F3	Mask	OF	Mask function off
		01	The mask function is turned on: 2 triggers are 1 cycle, Trigger the first flash.
		02	The mask function is turned on: 2 triggers are 1 cycle, Trigger the second flash.
F4	Time-lapse flash	OF, 0.01~30s	Can be used as a rear curtain to trigger the flash
F9	Version information		

1. Long press the (**SET**) button for 2 seconds to enter the C.Fn menu.
2. Select the custom function symbol.
Press (+) (-) to set the custom function symbol.
3. Change the settings.
Press the (**SET**) button to switch the custom function.
4. Exit the C.Fn menu.
Long press the (**SET**) button to exit.



Specifications

Model	NLX-140
Wireless slave unit mode	*Radio mode (compatible with Canon & Nikon & Sony & Fujifilm)
Flash mode	Radio slave mode TTL/ M/Multi
Guide number (1/1 gear)	53 (m ISO 100, @35mm)
POWER	140W
Gear 8 levels	1/128 ~ 1/1
Stroboscopic flashing available	Number of times: 40 times; frequency: 199
Flash Exposure Compensation (FEC)	Can be adjusted in increments of 1/3 steps between ±3 steps
Synchronization mode	High-speed synchronization (up to 1/8000 second), front curtain synchronization, rear curtain synchronization.
Delayed flash	Delay flashing 0.01~30 seconds
Mask	√
Buzzer	√
Model modeling light (LED)	√ (how many watts)
Light control flash	S1/S2
Display flash duration	√
• Wireless flash (radio 2.4G transmission)	
Wireless function	Slave unit, off
Controllable slave unit group	4 groups: A, B, C, D
Transmission distance	50m
Channel	1~16
• Power supply	
Power supply	Power Lithium battery: 14.4V/2900mAh
Number of flashes at full power	500 times
Recycle time	About 0.01-2.1 seconds
Battery level indicator	√
Energy saving	The flash will automatically sleep after 30 minutes of unattended operation (adjustable).
Synchronous trigger mode	2.5mm sync line, wireless control socket
Color temperature	5600 ± 200k

Specifications

Model	NLX-280
Wireless slave unit mode	*Radio mode (compatible with Canon & Nikon & Sony & Fujifilm)
Flash mode	Radio slave mode TTL/ M/Multi
Guide number (1/1 gear)	62 (m ISO 100, @35mm)
POWER	280W
Gear 8 levels	1/128 ~ 1/1
Stroboscopic flashing available	Number of times: 40 times; frequency: 199
Flash Exposure Compensation (FEC)	Can be adjusted in increments of 1/3 steps between ±3 steps
Synchronization mode	High-speed synchronization (up to 1/8000 second), front curtain synchronization, rear curtain synchronization.
Delayed flash	Delay flashing 0.01~30 seconds
Mask	√
Buzzer	√
Model modeling light (LED)	√ (how many watts)
Light control flash	S1/S2
Display flash duration	√
• Wireless flash (radio 2.4G transmission)	
Wireless function	Slave unit, off
Controllable slave unit group	4 groups: A, B, C, D
Transmission distance	50m
Channel	1~16
• Power supply	
Power supply	Power Lithium battery: 14.4V/2900mAh
Number of flashes at full power	500 times
Recycle time	About 0.01-2.3 seconds
Battery level indicator	√
Energy saving	The flash will automatically sleep after 30 minutes of unattended operation (adjustable).
Synchronous trigger mode	2.5mm sync line, wireless control socket
Color temperature	5600 ± 200k