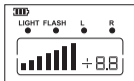


1、Part Description

1. Macro ring head
2. Power Control
3. Extension cable
4. Translucent diffuser (Four color: orange, blue, oyster white, and transparent)
5. Ring flash LED light
6. Lock
7. Adapter ring
8. Battery cover
9. Hot shoe base
10. Fixed knob
11. Hot shoe contact
12. Test button (PILOT)
13. Mode switch button (MODE)
14. LED light steady on button (LIGHT)
15. Power switch (ON/OFF)
16. Output power adjustment button (Left/Decrease)
17. Vacancy button
18. Output power adjustment button (Right/Increase)
19. LCD display screen

2、LCD Panel Description

- 1.Power level indication
- 2.Mode indication
- 3.Output power indication



3、 Main Functions

- 1.Innovative LED technology, high-quality LED light close to natural light, seven levels of luminance status, new functions of photography lights to meet higher photograph needs.
- 2.The left flash and right flash function makes objects appear more dimensional. It is applicable in the field of macroshots, scientific research, medical fields, and personal photography.
- 3.High definition LCD display screen shows more vivid and clear objects.
- 4.The ring flash can be mounted on a video camera/camcorder as photography light.
- 5.48 PCS LED makes higher luminance and lower static power consumption.

4、 Please read the following instructions and warnings before using the ring flash.

- 1.The ring flash fits specified camera or camcorders only.
- 2.To avoid short circuits or circuit damage, do not detach any part of the ring flash. If the shell cracks or the ring flash is faulty, send it to the specified agency for repairment.
- 3.Do not flash near you eye.
- 4.If the ring flash is not used for more than two weeks, take out all batteries to prevent battery leakage.
- 5.When replacing batteries, replace a full set of four batteries once.
- 6.Keep the ring flash dry as it is neither waterproof nor windproof.
- 7.Exercise caution when using the ring flash because it is a precise device and any unexpected collision or falling may cause irrecoverable damage.
- 8.Keep the ring flash in a dry and cool place and away from high temperature and direct exposure to sunlight. Do not place it in a drawer or cupboard stored with mothballs or camphor balls because these may cause damage to flash circuits.
- 9.Use wet soft cloth to clean the flash shell with fingerprints or blurs, instead of thinner, gasoline, or other chemical cleaner.

5、Installing and Removing the Flash Diffuser

1. Rotate the diffuser according to the direction indicated by the arrow to open it.
2. Connect the diffuser to the main body properly according to the indication on the diffuser.
3. Rotate the diffuser according to the direction indicated by the arrow to tighten it.

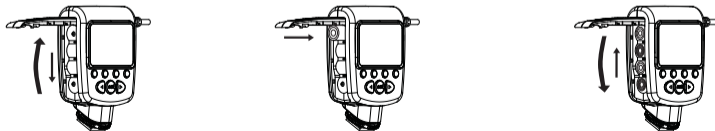
Note: There are four types of diffusers, orange, blue, oyster white, and transparent.



6、Installing the Batteries

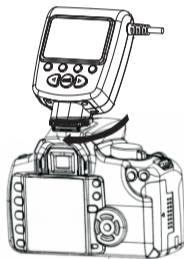
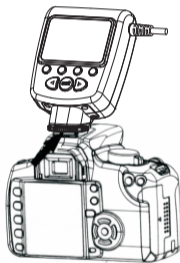
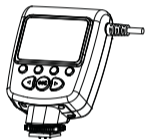
1. Slide the battery storehouse cover according to the direction indicated by the arrow to open it.
2. Install the batteries based on the indication on the battery cover and ensure that the positive and negative poles are connected correctly.
3. Slide the battery storehouse cover according to the direction indicated by the arrow to close it.

Note: Use four standard AA batteries only. Do not use batteries with shell damage to prevent short circuits.



7、Installing and Removing the Power Control

1. Install the power control to the camera and rotate the fixed knob to the highest level according to the direction indicated by the arrow.
2. Push the power control's hot shoe base fully into the camera hot shoe.
3. Rotate the fixed knob to tighten it according to the direction indicated by the arrow.
4. To remove the power control, loosen the fixed knob and pull out the power control from the camera hot shoe.



Note: If the camera's built-in flash is in pop-up state, turn off the flash and then install the power control onto the camera. When installing or removing the power control, hold the flash power control bottom to prevent damage to hot shoe bases of the camera and power control.

8、Fit Devices

With the new hot shoe base technology, different ring flashes can fit different cameras:

- 1.RF-550D Fits most of Nikon 、 Canon、 Panasonic、 Olympus Brand DSLR
- 2.RF-550E Fits most of SONY Brand DSLR



9、Installing the Ring Flash on the Camera lens

The accessories include 49 mm, 52 mm, 55 mm, 58 mm, 62 mm, 67 mm, 72 mm, 77 mm adapter rings.

- 1.Choose and install adapter rings according to the diameter of camera lenses.

Note: Excessive installation force may make it hard to remove the adapter ring from the camera lens.

- 2.Press the ring flash lock, move it to the lens, and release the lock.

Note: Shake the ring flash to prevent it from breaking due to incomplete locking.

10、Basic Function

Buttons operation

Button Name	Operation
Power switch (ON/OFF)	Long press this button 1 to 5 seconds to turn on or turn off the ring flash power.
Mode switch button (MODE)	Press this button to switch between the FLASH, L and R mode.
Output Power adjustment button (Right/Increase)/(Left/Decrease)	Press this button to adjust the flash output power.
LLED light steady on button (LIGHT)	Press this button to make ring flash light steady on for video shooting and special macro photography.
Test button (PILOT)	Press this button to test the flash output brightness.

Turn On and Off the Power

Long press the power switch (ON/OFF) 1 to 5 seconds to turn on or turn off the ring flash power. It is recommended to press this button to turn off the ring flash power before removing the batteries.

Press the test button (PILOT) to check whether the flash runs normally.

LIGHT Mode

Press the LED light steady on button (LIGHT) and the ring flash light steady on for video shooting and special macro photography.

FLASH Mode

Press the (mode switch button) to access the flash mode.

L and R Mode

Press the (mode switch button) to access L mode (the left half of the ring flash) and R mode (the right half of the ring flash) to make photography more vivid and dimensional.

Brightness Adjustment

Press the Output Power adjustment button (Right/Increase)/(Left/Decrease) to adjust the ring flash brightness.








LCD suspend mode and Startup Status

The backlight will be automatically off if there is no operation (button pressing or flashing) \ in 20 seconds and is automatically on if an operation is performed.

The ring flash is automatically powered off and enter power-conservation mode if no operation (button pressing or flashing) is performed in 30 minutes. In this mode, the ring flash can work only after you turn on the power. switch.

11、LCD Display Description

Power level indication

LCD display status	Power level
	70-100%
	40-70%
	10-40%
   	0-10%

Note:

- 1.When switching to LIGHT mode, the power level drops to a low level quickly due to battery features. When switching to FLASH mode, the power level rises quickly. This is a normal case.
- 2.When the power level is between 0-10%, the power level will rise quickly if you remove and reinstall the battery. This is due to battery features and is a normal case.
- 3.When the power level is between 0-10%, it is recommended to replace the batteries with four new batteries.

Mode Display

LCD display status	Mode
LIGHT ●	LED light steady-on mode
FLASH ●	full-flash mode
L ●	left-flash mode
R ●	right-flash mode

Output power control display

LCD display status	Output power
	1/64
	1/32
	1/16
	1/8
	1/4
	1/2
	1/1

12、Q&A

1. Q : What if underexposure or overexposure occurs?

A : Check the settings about flashing such as the shutter, aperture, ISO, exposure compensation, and exposure bracketing.

2. Q : What if the four corners of the photo are dark or have shadows?

A : Adjust the camera focal distance to 50cm or more.

3. Q : What if the ring flash does not work?

A :
a). Check the battery. If the battery is out of power, replace it with a new battery (NI-MH battery is recommended)
b). Check the battery polarity connection. If battery poles are connected reversely, reinstall the battery correctly.
c). Check the metal contacts of the ring flash or camera. If there is dirt on the metal contacts of the ring flash of camera, clean it with a soft fiber cloth and install a new ring flash.

4. Q : What if the ring flash state is abnormal?

A : Turn off the power of the ring flash and camera, install a ring flash on the camera hot shoe, and turn on the power of the ring flash and camera. If the problem still going on, replace the batteries with new batteries.

13、Technical Specifications

Flash GN:	15
Effective Distance:	5cm-1.5m
Color temperature:	3000-15000K
Exposure time:	1/100s
Power:	4xAA batteries
Weight:	Approx. 200 g