

1.Warning

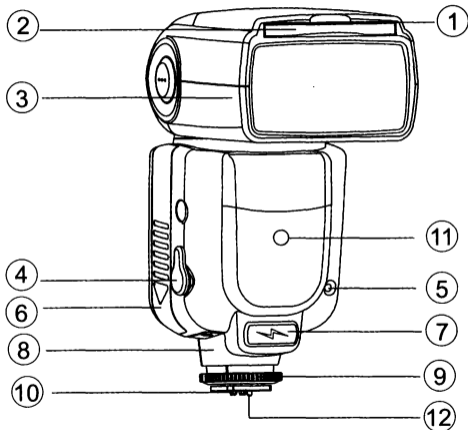
1. Do not use the unit in the presence of flammable or explosive gas.
2. When the speedlite is dropped or damaged,do not touch any exposed inner metal parts
3. Stop the speedlite and take out the battery if there's heat,smoke or smell of burning to avoid catching fire.
4. If the corrosive liquid leaked from the battery and get in your eyes,please clean your eyes with clear water and consult your doctor.
5. The speedlite should not be dabbled in water, rain, sweat or moisture, to avoid catching fire or causing electric shock.
6. Do not use the speedlite to photo the people who need concentrate on his work,or may cause accident.
7. Do not use the speedlite to photo people's eyes nearly,or may damage their retinal of their eyes.Do not use the speedlite to an infant within 1 meter.
8. It's forbidden to use activity reagent such as diluent or benzene to clean the components. Never store the components in somewhere there are camphor and benzene,or the plastic package would be damaged and catch fire or electric shock.
9. Do not leave the small accessories to somewhere the children can reach,so as to avoid the children swallow them.If it happened,please consult the doctor at once.
10. Do not attempt to disassemble or repair the components of the flash,to avoid catching fire or causing electric shock.
11. Please use the standard size(AA) or other ordinary rechargeable batteries.Make sure to place the positive and negative of the batteries correctly.
12. To prevent overheating the flash head and shorten the operating life,do not flash continuously for more than twenty times at the (1/1) largest setting.

2. Features

- High GN: 58
- Wireless trigger sensor
- Electrical socket outlet
- PC synchronous interface
- Recycle time 4 second (with 4 pcs AA alkaline cell)
- Compatible with E-TTL flash automatically
- Support Multi-flash lighting Application (s1/s2 mode)
- Power saving mode
- Accurate brightness control
- LCD display
- Metal hot shoe
- Support front curtain synchronous
- Support rear-curtain synchronous
- Temperature detection Automatically (overheating protection)
- Memory function

3. Components

1. Reflector panel
2. Wide-angle diffuser
3. Flash head
4. PC terminal(for input)
5. Wireless trigger sensor
6. Battery cover
7. External power socket
(connect SD-8A)
8. Hot Shoe
9. Locking ring
10. Hot shoe pin
11. AF Assist Lamp
12. Locking pin



Components

13. LCD display

14. Mode switch button

15. Charging indicator

16. Test button(PILOT)

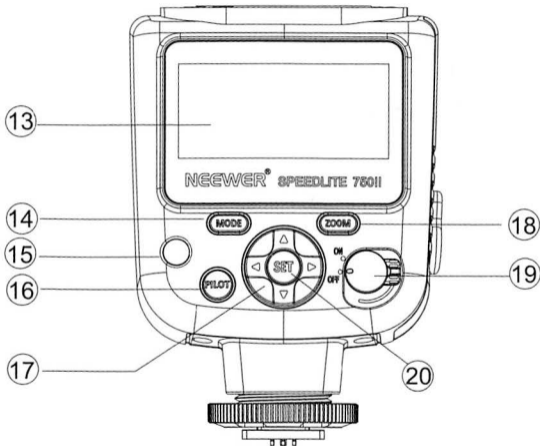
17. Adjustment button

<up、down、left、right button>

18. Zoom button

19. Power ON/OFF

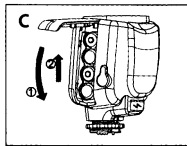
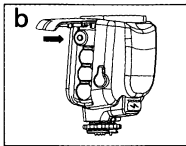
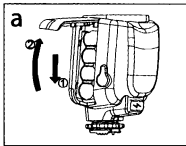
20. SET Key Setting button



4. Installation

1. Insert batteries

- Slide the battery compartment cover in the direction of the arrow to open it.
- Insert the batteries follow the direction inside the battery compartment cover, Make sure to place the positive and negative of the batteries correctly.
- Slide the battery compartment cover In the direction of the arrow to close it.



Note: Please use 4 pcs standard AA batteries. Please don't use damage batteries, so as to avoid shortcut.

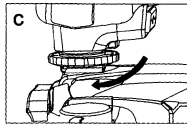
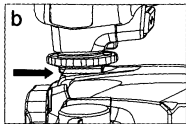
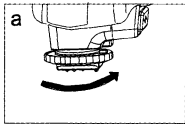
Installation

2. Install the speedlite on the camera.

a. Rotate the locking ring in the direction of the arrow to the highest point.

b. Mount the speedlight into the camera's hot shoe completely.

c. Turn the locking ring in the direction of the arrow tighten, Loosen the locking ring to the top, then remove the flashlight from camera's hot shoe, If you detach the speedlight.



5. Basic functions

Meaning of <Charging indicator>:

Status of charging indicator	Meaning	Operation
The red light is blinking	Charging	Normal
The red light is lit	The batteries are full	Normal
The red light goes off	The speedlite is locked because of the frequent flash,overheating protection.	Stop about 2 minutes, waiting for flash cooling

Basic functions

1. Basic Operations

Operation of the buttons:

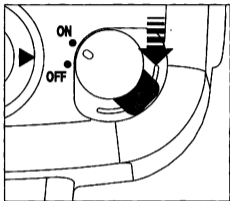
Components	Operation
<Power Switch>	Push up and down to turn on/off the speedlite.
<ZOOM> button	Press the buttons and the up and down keys to adjust the focal range of the speedlite. Press once, the focal range will be among 18/20/24/28/35/50/70/85/105/135/150/180MM
<Mode Switch Button>	Press once, the mode will change among the TTL/M/⚡/S1/S2.
<Pilot Button>	Press the buttons to test the input brightness of the speedlite.
<UP>and <DOWN> button	Press the buttons to coarse adjust the output power of the speedlite.
<LEFT>and <RIGHT> button	Press the buttons to choice the adjustment items or conduct djustment.(fine tune flash output index)

Basic functions

2. Turn on/ off the speedlite

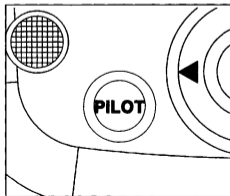
2.1 Turn on the speedlite

Push the switch down to "ON",LCD screen can display.
If the charging indicator is blinking red,it means it is in the process of charging.when the speedlite keeps long-time lighting,it can be used.



2.2 Speedlite test

- Press (PILOT), then the speedlite is flashing.

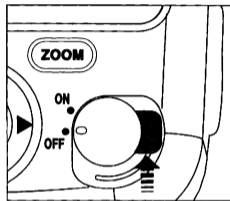


Basic functions

Turn on/ off the speedlite

2.3 Turn off the speedlite

Push the switch up to "OFF" in order to turn off the speedlite.



Basic functions

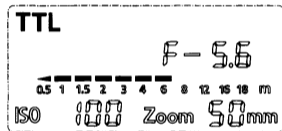
3. Memory function

The speedlite will recover the last mode and setting when it's turned on again.

4. TTL mode

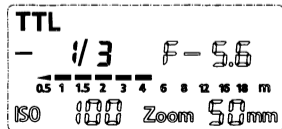
The speedlite will flash automatically via the lense of the camera.

1 The speedlite is showed as the left when it is on.



2 Decrease the exposure compensation

Press the "▼" button to decrease the EC, fine adjustment from 0, -1/3, -2/3, -1 -3, +3, -2 2/3 0 nineteengrades, press "▼" to coarse tune Exposure compensation from, -1/3 -2 2/3 0.

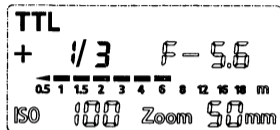


Basic functions

TTL mode

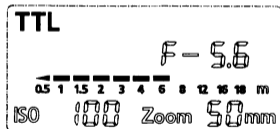
3 Increase the exposure index

Press the "▶" button to decrease the exposure index, fine adjusting from 0, 1/3, 2/3, 1.....3, -2/3.....0. nine grades



4 How to use TTL (press "▲" to fine tune the flash EC)

- Half press the shutter button for focusing
- The speedlite connects the camera and show the index of the aperture of the camera and the focal length of the lense.
- Press the shutter to photo, the speedlite will flash (TTL) automatically.

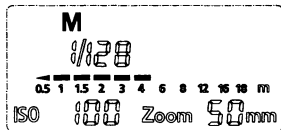


Basic functions

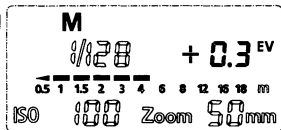
5. M mode

Under the M(Manual setting) mode,you can set the output indexes as you like.

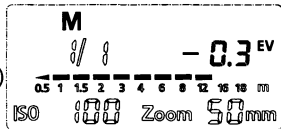
1 Press<mode> button to change to M mode
The picture is the M mode interface of the speedlite.



2 Increase the brightness of the speedlite.
Press the "▲" or "▶" button to set the brightness of the speedlite. "▲" means coarse tuning "▼" means fine tuning. The maximum brightness value of the speedlite is 1/1 (The-re're3 grades of power fine adjustment on everygear)



3 Decrease the brightness of the speedlite.
Press the "▼" or "◀" button button to set the brightness of the speedlite. "▲" means coarse tuning "▼" means fine tuning. The minimum brightness value of the speedlite is 1/1 (The-re're3 grades of power fine adjustment on everygear)



Basic functions

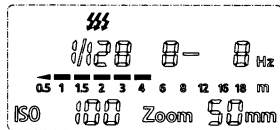
6. Strobeflash() mode

Strobeflash is a kind of model that can analyse the motion of subject.

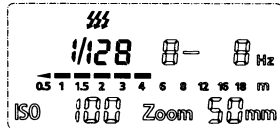
Under the strobeflash mode, the flash can photo a series of moving subjects for many photos.

You can set the flash rate. (the flash times one second, use Hz to represent it), flash times and flash input.

- 1 Press <mode> to change to the strobeflash mode.
The picture is the interface of the strobeflash.



- 2 Increase the input brightness of the flash
Press the "▲" button or "▶" button to finetune the input brightness of the flash. The maximum brightest setting of the flash is 1/4 (There're 3 grades power fine adjustment of every gear)

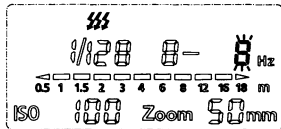
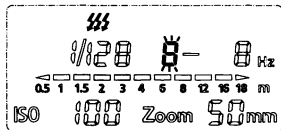
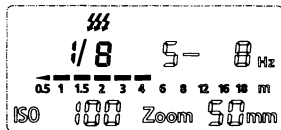


Basic functions

Strobeflash() mode

- 3 Decrease the input brightness of the flash
Press the "▼" button or "▼" Button to fineadjust the input brightness of the flash. The minimum brightness setting of the flash is 1/128.
- 4 The strobeflash setting
Press<SET>button,the "8-" is twinkle,then you can set the strobeflash time of speedlite. The times of the strobe-flash is from 1 to 90. When the number of the times is set, you can adjust flash ferquency press<SET> button again.
- 5 The setting of the strobeflash
Press the SET button,again there's "8 Hz" twinkle.Then you canuse"▲" "▼" button adjust the frequency from 1 to 100.

 - The flash parameter will be saved and quit after press set button again.
 - The flash will be saved and quit if parameter was chosen twinkle in 10 seconds

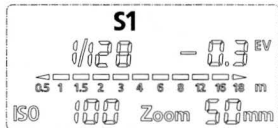


Basic functions

7. S1/S2 mode

S1/S2 mode is used as off-camera auxiliary to create various lighting effects. The S1 mode is suitable for manual flash environment, the S2 mode is suitable for TTL flash environment. Under these two modes, the adjustment of the output brightness of the speedlite is as the M mode.

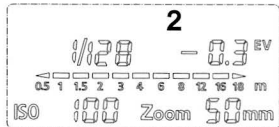
S1 When the flash is in S1 mode, it will flash with the first work of the master flash sync, the same effect as the use of radio slave. To use this mode correctly, the master flash should be set as manual flash. And the TTL flash system with preflight function and the red-reduction function with multiple flashes should not be used. S1 flash once can press "▲" "▼" to adjust the brightness of the flash.



Basic functions

S1/S2 mode

S2 S2 mode is namely "pre-flash cancel mode". It is similar to S1 mode, But it can ignored the pre-flash given by TTL flash. Therefore, it can support the main flash working in TTL mode. In particular, if S1 mode can not flash correctly and synchronically with your internal flash, you can try the S2 mode. (The function is suitable for the cameras of CANON and NIKON)
S2 preflash can through the "▲" "▼" to adjust exposure brightness

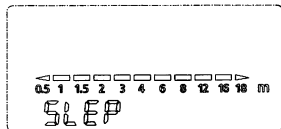


! Whenever which mode your flash, press the "▲" "▼" button for more than 2 seconds, then you can reset the parameter of the flash by fast-forward or fast-backward.

Basic functions

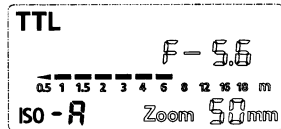
8. Sleep mode

The flash will entry sleep mode if have any operation in 30 seconds. it can be wake up through any button.



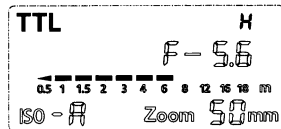
9. ISO Display

Camera ISO synchro to flash when shutter release half-press, flash screen will hint "ISO-A" when camera set "auto ISO sensitivity control" on.




10. High speed sync

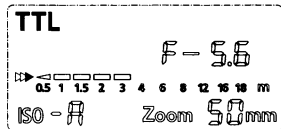
The flash LCD will hint "H" word when set camera to "auto FP" on (Pay attention: software support shutter release 1/320 sync).



Basic functions

11. Rear-curtain synchronous display

Flash LCD will hint “” when camera set to rear-curtain synchronous.



12. Manul setting the flash head zoom position

You can adjust the zoom position of the flash head whenever which mode the speedlite is. The default focal length of the speedlite is 50MM. Press the ZOOM button, the “50” is twinkle, then you can adjust when press the “▲” “▼” button, It will be saved when you press zoom button again.

Basic functions

13. Power save mode

If 30s have any operation, after inserting batteries, press ``SET`` button, and turn the flash on.

14. Overheating protection

If the flash light is used too frequently, its overheating protection function will be triggered, the charging indicator will go off, and the flash light will be locked. In such case, wait indicator to be green then cancel the protection before continuing the use.

* Please try to use the 1/4 output or lower when rapid shooting is needed to prevent the effect on the shooting.

15. PC synchronous port(for input)

By connecting to the PC synchronous, you can make the flash synchronously, Please note that this PC synchronous port only receives synchronous signal input without supporting synchronous signal output.

6. The Advanced Application

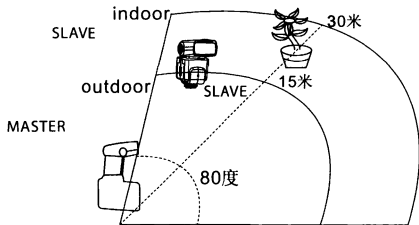
1. Multi-flash Lighting Application

Use inbuilt flash or top-mounted flash as master flash, Place speedlite in different directions.

*In indoor application, radio signals can be reflected by walls; therefore, the placement of the slave flash should have more space. Wireless triggering distance is up to 20-30M.

*which can be available in outdoor state. The Wireless triggering distance is as long as 10-15M, Please keep in mind the following tips; the wireless triggering window needs to face the master flash and the direct sunlight shall be avoided. If these demands conflict with your hoped direction of light irradiation, please try to rotate the flash head in each direction in order to meet the shooting demands.

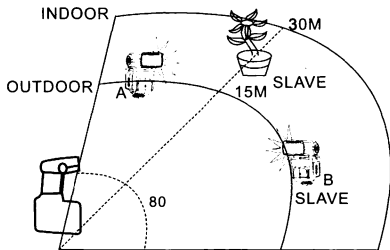
*Before placing of the slave flash, test whether S1/S2 can be synchronous normally, Do not place any obstacles between the host flash and the slave flash, because they may block the transmission of radio signals.



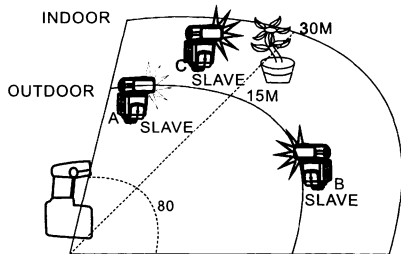
The Advanced Application

c. Multi-flash, wireless trigger

one master, two slave



One master, three or more slave



The Advanced Application

3. External charging box port

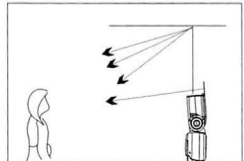
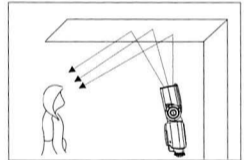
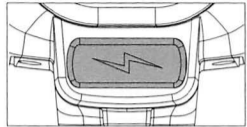
you can buy external charging boxes SD8A for NIKON and connect it to the power socket of the flash. the charging box will charge the flash.

4. Reflection Flash

Bounce flash means to take photos by making flash light head aimed at wall or ceiling and using the light reflected back from the ceiling or wall to light the desired object,so that the shade behind the object can be decreased to get more natural shooting effect. If the wall or ceiling is too far,the bounce flash may be too weak to get enough exposure.The wall or ceiling should be even and white inorder to get efficient reflection; if the reflection surface is not white,clor cast may appear in photo.

5. Use Reflection Board to Take Photos

With the reflection board flash,draw the reflection board and the wide-angle diffusion board out from the light head at the same time and then push the wide-angle diffusion board back. In such case, if this product is being used to take photos.it will produce a high lighted point on the eyes of the subject and

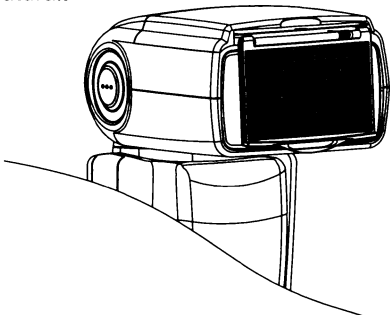


The Advanced Application

thus make the eyes charming(catch light), this function can reach optimal effect when the flash head is up 90 degree.

6. Use Wide-angle Diffuser

Pull out the wide-angle diffusion board, push back the reflection board and arrange them as per the figure; in such case, the flash scopes will extent to 18 mm and the flash effect will be softer and more natural.



7. Specifications

Circuit design	Insulated Gate Bipolar Transistor (IGBT)
Guide Number	58 meters (ISO 100, 105mm)
Flash mode	TTL, MULTI, M
Vertical rotation angle	0-90 degrees
Horizontal rotation angle	0-270 degrees
Power supply	4XAA size batteries (Alkaline or Ni-MH are usable)
Lighting times	100-1500 times (AA alkaline cell used)
Recycle time	approx. 4s
Color temperature	5600k
Flash time	1/200s--1/20000s
Flash control	8 levels of output control (1/128--1/1)
External interface	hot shoe, PC port and external charging port (Use MK-SD8A)
Wireless triggering distance	20--30m indoor, 10--15m outdoor
Additional features	FEC, AEB, Manual zoom, Auto zoom, PC port. 200x75x57mm
Dimensions	340g
Net weight	Flash light(1), protecting bag(1), mini stand(1), manual(1)
Accessories	and warranty card(1)

Guide number of different focal length range(at ISO 100, in meters / feet)

750II GN58 ISO 100 (meters / feet)

Flash output	Coverage (MM)							
	14	24	28	35	50	70	80	105
1/1	15/ 49.2	28/ 91.9	30/ 98.4	36/ 118.1	42/ 137.8	50/ 164	53/ 173.9	58/ 190.3
1/2	10.6/ 34.8	19.8/ 65	21.2/ 69.6	25.5/ 83.7	29.7/ 97.4	35.4/ 116.1	37.5/ 123	41/ 134.5
1/4	7.5/ 24.6	14/ 45.9	15/ 49.2	18/ 59.1	21/ 68.9	25/ 82	26.5/ 86.9	29/ 95.1
1/8	5.3/ 17.4	9.9/ 32.5	10.6/ 34.8	12.7/ 41.7	14.8/ 48.6	17.7/ 58.1	18.7/ 61.4	20.5/ 67.3
1/16	3.8/ 12.5	7/ 23	7.5/ 24.6	9/ 29.5	10.5/ 34.4	12.5/ 41	13.3/ 43.6	14.5/ 47.6
1/32	2.7/ 8.9	4.9/ 16.1	5.3/ 17.4	6.4/ 21	7.4/ 24.3	8.8/ 28.9	9.4/ 30.8	10.3/ 33.8
1/64	1.9/ 6.2	3.5/ 11.5	3.8/ 12.5	4.5/ 14.8	5.3/ 17.4	6.3/ 20.7	6.6/ 21.7	7.3/ 24
1/128	1.3/ 4.3	2.5/ 8.2	2.7/ 8.9	3.2/ 10.5	3.7/ 12.1	4.4/ 14.4	4.7/ 15.4	5.1/ 16.7

8. Possible problems during use and solutions

1. Please note when use the flash outdoors:For outdoor application,please avoid direct sunlight to the wireless triggering sensor and ensure normal use of the flash.
2. Precaution for outdoor use of lambency umbrella; The lambency umbrella mounted on the flash light outdoors may be blown down easily ,and the hot shoe of the flash light may be broken.Please fix the mounting rack or avoid outdoor use.
3. Photos are under exposure or over exposure?Check if the set shutter,aperture and ISO are too near the flash limit or if some settings including exposure compensation in relation to flash are proper.
4. Vignetting appears in photos or only part of the subject is illuminated?Please check the current coverage of focal length and make sure if the lens focal length exceeds the coverage range of the flash.The products's zooming range is 24-85mm of the medium format system. you can try to pull out the wide -angle diffuser to expand the flash range.
5. The flash light is abnormal?Switch off the power of flash light and camera,mount the flash light on the hot shoe of camera,and switch on the power of flash light and camera again,If the abnormality continues,replace the batteries.
6. In use process have function abnormal or part of the failure of function, can detach flash to installed the new battery then turn on again for recover normal use. For abnormal use may caused error state, under turning on status,replacement battery directly,the battery capacity lack, hot shoes too loose to happen badness contact, etc.

Possible problems during use and solutions

7. Install batteries but can not turn on?

Check the battery pack, the electricity shortage, old and new batteries or different brand battery in practice. if have these situation pls as to the right way to install batteries.

*Caution: long time no use, please featch out batteries.

The functions of this manual are based on test conditions of our company .Further notice will not be given if the design and specifications change.