

## I. Warning

To avoid fire or electrical shock, do not expose this product to rain or moisture.

To avoid short circuit, be sure the batteries contacts are securely packed and in accordance with local provision when handling the batteries.

Please place the batteries and the parts which can be swallowed mistakenly away from children.

Contact a doctor immediately when it occurs.

To avoid possible injury to eyes, do not use the flash light in a short distance from the eyes.

To avoid possible safety accident, do not use the flash light on the people who need a high degree of attention.

Please take out the batteries and stop using immediately in case of below:

- This product is dropped or shocked seriously and the inner part of the product is bared.
- If the battery leaks corrosive liquids, please take out the battery with gloves.
- The product gives off strange smell, smokes or heats.

Do not disassemble or maintain this product. Touching the internal high voltage circuit will cause electric shock.

Remove batteries during long periods of non-use.

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## II. Features

### ● LARGE LCD PANEL

Large LCD panel, you can look into and set the functions on the LCD panel clearly and directly.

### ● POWER ZOOM FUNCTION

By pushing the zoom button on the speedlite, it can make the flash covered focal length range from 24 to 105mm.

### ● GNS8 @ ISO100, 105mm

YONGNUO new large guide number manual speedlite, supporting M/Multi modes

### ● THE HIGH SENSITIVITY WIRELESS TRIGGERING SENSOR

The high sensitivity wireless triggering sensor inherits from YN560, which makes the S1 and S2 mode can be used in outdoor environment and the wireless triggering distance is as long as 15m, as well as 25m indoors.

### ● SOUND PROMPT SYSTEM

Turn on the sound prompt function, different sounds indicate working situations help you focus on shooting (Note: the sound can be closed).

### ● PROVIDES CHARGING SOCKET FOR EXTERNAL POWER PACK

YN560-II provides charging socket for external power pack, to meet your higher demand for charging recycle.

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### ● PC PORT SUPPORTED

YN560-II provides PC port, you can make the flash synchronously by connecting to the PC port.

### ● SUPER SPEED OF CHARGING RECYCLE

It only takes 3 seconds in charging after full power output. Even without new batteries, you can get the super charging speed that it only needs 4-5 seconds; In addition, you can use the external power pack to accelerate the charging speed once more.

### ● HIGHSPEED CONTINUOUS SHOOTING

Under the output level of 1/8 or below, YN560-II can support the 8FPS high-speed continuous shooting.

### ● POWER SAVING MODE

In the power saving mode, the speedlite will get automatic shutdown sooner; in the non-saving mode, it will take a longer time before automatic shutdown.

### ● THE AUTOMATIC SETTING SAVING

YN560-II can automatically save your current setting.

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## III. Quick Start

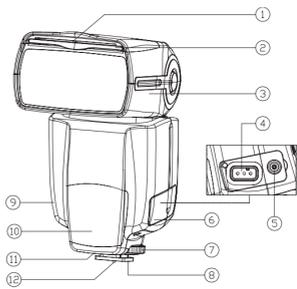
If you don't have much time to read the whole user manual, we advise you to read this section.

1. Please avoid the excessive use of the output with maximum power. It can effectively extend the service life of this product
2. You can understand the function of each button by pressing them and observing the displayed content.
3. Press the [UP], [DOWN], [LEFT] and [RIGHT] button to adjust the parameters of speedlite quickly at the current mode. For some parameters, the [OK] button in the center is needed to be pressed several times for setting.
4. Long press on [Sound prompt] button to turn on or turn off the power saving mode.
5. This product provides M/Multi/S1/S2 mode. It can be switched through [MODE] button.

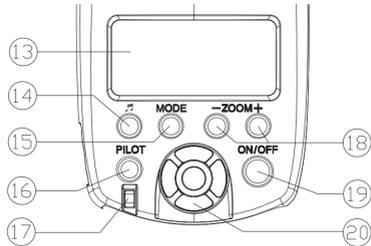
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## IV. Nomenclature

1. Reflection board
2. Wide-angle diffuser
3. Flash light's head
4. External power pack socket  
(It can be connected to the SF-18C or SF-17C external power pack)
5. PC port (for input)
6. Contact cover
7. Locking ring
8. Hot shoe stand
9. Battery chamber's cover
10. Optical control sensor
11. Sound port
12. Hot shoe pin



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13. **LCD panel:** It will display the status of function settings.

14. **The sound switch/power saving switch button:** A short press will enable or disable the sound prompt function; hold the button to turn on or turn off the power saving mode.

15. **Mode switch button:** The mode of the speedlite will be switched among the M/S1/S2/Multi in circle for each press.

16. **Charging indicator / Test button (PILOT) :** The lighting of red light shows that charging process is finished and flash can be used; the lighting of green light shows that it is in charging or a shortage of power; if you press this test button (PILOT), the flash will give a test flash.

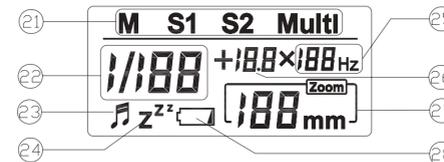
17. **Power save indicator:** A long-time lighting indicates that the power saving mode is disabled; a long-time non-lighting indicates that the power saving mode has been enabled.

18. **Flash head manual motor zoom:** You can adjust the zoom range by setting [+ ] and [- ] key (24, 28, 35, 50, 70, 80, 105mm).

19. **Power switch:** The power of the speedlite can be turned on or turned off by holding this button for 2 seconds.

20. **Select/set button group:** Buttons of multi functions include LEFT, RIGHT, UP, DOWN and OK buttons; you can adjust output, Stroboscopic flash count, Stroboscopic flash frequency through them.

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21. MODE indicator
22. Output level indicator
23. Sound prompt
24. Sleeping indicator
25. Stroboscopic flash frequency indicator
26. Stroboscopic flash count /Output level fine indicator
27. Flash head zooming indicator
28. Power low indicator

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## V. Installation Instruction

### 1. Install Batteries

Slide the batteries chamber's cover in the direction of the arrow.

Insert the batteries according to the label inside battery chamber.

Make sure the direction of the batteries' polarity is correct.

Close the battery chamber cover in the direction of the arrow.



### 2. Mount the speedlite on your camera

Loosen the locking ring by turning it in the direction of the arrow.

Slip the speedlite hot shoe stand into the camera hot shoe stand until it stops.

Turn the locking ring in the direction of the arrow tighten.

To detach the speedlite, loosen the locking ring by turning it in the opposite direction.



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## VI. Basic Functions

### 1. Basic Operations

Operation of the buttons:

Component	Operation
[Power Switch]	The power of the speedlite can be turned on or turned off by holding this button for 2 seconds. It is suggested that the batteries shall be taken out after the power of the speedlite is turned off through this button.
[Mode Switch] button	The mode of the speedlite will be switched among the M/S1/S2/Multi in circle for each press.
[Sound Switch/Power Saving Switch]	Every press can enable or disable the sound prompt function. Hold this button for about 2 seconds can enable or disable the power saving mode.
[LEFT] [RIGHT] and [OK] button	The output level, Stroboscopic flash count, Stroboscopic flash frequency of the speedlite can be adjusted through these buttons.
[UP] and [DOWN] button	You can make a fine tuning to the output power of the speedlite.
[-] ZOOM [+] button	Please press [-] ZOOM [+] button. The head focus of the speedlite will be switched among 24 / 28 / 35 / 50 / 70 / 80 / 105mm in circle.
[PILOT] button	Press this button and the speedlite will test flashing in current output level.

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### Meaning of [Charging indicator]

Status of [Charging Indicator]	Meaning	Operation
The red light is lit	The speedlite is fully charged, and can be used.	Normal
The green light is lit	The flash light has not been fully charged	If the green light is lit for a long time, please replace the batteries.

### The meaning of [Sound Prompt]

The sound form	Meaning	Operation
Tick twice	The speedlite is started / Sound prompt is enabled/A standard flash is obtained.	Normal
Tick three times	The flash is in the charging state	Waiting for the completion of charging
Continuous and quick ticks	The power is not enough	Please replace the batteries.
Tick—a long sound	The speedlite is fully charged, and can be used.	Normal

### [Power saving indicator] (M/Multi mode)

Display mode	Meaning	Operation
A long-time lighting of the indicator	The power saving mode is closed	Hold the [Sound Switch] for a long time to start
A long-time off of the indicator	The power saving mode is started	Hold the [Sound Switch] for a long time to close

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### 2. Power-on and Power-off

The power of the speedlite can be turned on or turned off by holding this button for 2 seconds. It is suggested that the battery shall be taken out after the power of the flash light is closed through this button.

After turning on the power switch of the speedlite, the charging indicator is red, which indicates the flash is available.

If the charging is not completed within about 25 seconds, the flash will automatically shutdown. Then you need to replace with new batteries.

You may press the testing button PILOT to test whether the speedlite works normally.

After use, hold the power switch for 2 seconds to power off.

### 3. M Mode

In M mode, you can set the flash output level as you like. By [LEFT] [RIGHT], [UP] [DOWN] and [OK] in the middle, you can adjust the flash output level. The adjustment range of the flash output level is 1/128 ~ 1/1. There are 8 levels of output and each level has 4 fine tuning stalls. The [UP] [DOWN] is used to fine tune the output power in 0.3ev and 0.2ev. For shooting, what you need is to set the flash output level, adjust the camera and press the shutter. The speedlite will flash with the synchronic signal of the camera.

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### 4. S1/S2 Modes

By pressing the [Mode Switch Button], the flash will step into the S1/S2 mode. These two modes are suitable to be used as off-camera auxiliary light, so as to create a variety of lighting effects. They are suitable for manual flash environment and TTL flash environment respectively. Under these two modes, the way to adjust the output level is like that in M mode, which is to press the [LEFT] [RIGHT], [UP] [DOWN] button. When using S1/S2 mode, you can rotate the flash head to make the wireless triggering sensor face with the master light.

When the flash is in S1 mode, it will work with the first work of the master flash synchronously, with the result consistent with the use of radio slave. To use this mode correctly, the master flash should be set at manual flash and the TTL flash system with prelight function and the red-reduction function with multiple flashes should not be used.

S2 mode: It is also called "pre-flash cancel mode". This mode is similar with S1 mode, but it can neglect the pre-flash given by TTL flash. Therefore, it can support the main flash working in TTL mode. In particular, if S1 mode cannot flash correctly and synchronously with your internal flash, you can try to use S2 mode.

The following situation shall be avoided when the S1 and S2 modes are used: the red eye reduction function of the main light is used; the order mode (Nikon) or wireless mode (Canon) of the master is used; the ST-E2 is used as the flash controller.

### 5. Multi Mode

With MULTI mode, a rapid series of flashes is fired. It can be used to capture multiple images of a moving subject in single photograph.

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The speedlite will flash according to the output power, flash times and frequency you set. Use [LEFT] [RIGHT], [OK] buttons to adjust output power, flash times and frequency. The adjustment scope of output level is 1/128-1/64-1/32-1/16-1/8-1/4, you can adjust the output level by [LEFT] [RIGHT] directly. The scope of flash times is from 1 to 100 (if the flash time is set as -, it flashes according to the default setting.) and the scope of flash frequency is from 1 to 100. Adjustment method: please press [OK] button to select setting items (flash) and use the [LEFT] [RIGHT] buttons to adjust the parameters. After the setting is completed, press [OK] button to confirm the setting.

The charging speed of speedlite is slow under the situation that the electricity quantity of the battery is insufficient, which may cause the occurrence of the high-frequency flash. Please reduce the flash frequency or change new battery under this situation.

### 6. Test Flash

Whether in any mode, you can press PILOT button to test if the speedlite flashes normally.

When testing the speedlite, the speedlite will give flash at relevant output level in accordance with the chosen output power setting.

### 7. Power saving mode

YONGNUO designs the power saving mode for YN560-II. This mode is enabled or disabled by a long press of [Sound Switch]. In M/Multi mode, if the power saving mode is enabled, the speedlite keeps idle for 3 minutes and then it will step into the dormancy state in order to save power. You can press [PILOT] or [Power Switch] to awake the flash to continue operation. It will automatically shutdown after keeping idle for 15

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minutes. If you disabled the power saving mode, the power saving indicator will be on. The flash won't step into the dormancy state after being stopped. It will automatically shut down after 30 minutes.

In S1/S2 mode, if the power saving mode is enabled, the flash will automatically shut down after keeping idle for 30 minutes; if the power saving mode is disabled, the flash will automatically shut down after keeping idle for 60 minutes.

Flash mode	Power saving mode [ON]	Power saving mode [OFF]
M/Multi mode	Keeping idle for 3 minutes will enter the dormancy mode and 15 minutes will automatically shut down the machine	No dormancy, the machine will be automatically shut down after keeping idle for 30 minutes
S1/S2 mode	No dormancy, the machine will be automatically shut down after keeping idle for 30 minutes	No dormancy, the machine will be automatically shut down after keeping idle for 60 minutes

### 8. Overheating protection

If the speedlite is used too frequently, its overheating protection function will be triggered. In such case, please wait for about few minutes to cancel the protection.

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

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## VII. The Advanced Application

### 1. Multi-flash Lighting Application

Use inbuilt flash or top-mounted flash as master flash.

Place the YN560-II in different directions as slaves.

In indoor application, radio signals can be reflected by walls; therefore, the placement of the YN560-II should have more space.

Before placing of the YN560-II, test whether S1/S2 can be synchronous normally.

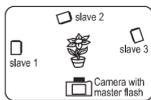
Do not place any obstacles between the master flash and the slave flash, because they may block the transmission of radio signals.

The longest distance used indoor is 25 meters and the longest distance used outdoors is 15 meters. When it is used outdoor, 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.

### 2. Buttons are effective immediately

For this product, you can get the fastest operation speed. Just press the correspondent buttons and the correspondent functions in the current state will be effective immediately, including the power switch, the test of flash output, mode switch, adjustment of output power, zooming, sound switch and etc.

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### 3. The use of external charging box

You can buy YONGNUO external charging boxes like SF-18C or SF-17C and connect it to the charging port of the speedlite. After flash, the charging box will charge the speedlite.

### 4. High-speed continuous shooting

The flash can realize the high-speed continuous shooting function. Please set the camera in the continuous shooting form and then shoot.

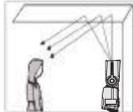
Please note: The number of photos that can be continuous shot is related with the output level. Please use the fully charged battery.

### 5. Rear-curtain Sync

You can use slow-speed shutter to produce trailing smear for the object and the flash light will flash at the moment when the shutter is going to be shut, which means the rear-curtain sync function(The rear-curtain sync function needs the camera's own support and you can refer to the camera's user manual for its setting method).

### 6. 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.

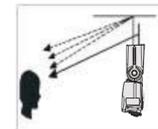


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If the wall or ceiling is too far, the bounce flash may be too weak to get enough exposure. The wall or ceiling should be even and white in order to get efficient reflection; if the reflection surface is not white, color cast may appear in photo.

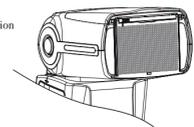
### 7. Use Reflection Board to Take Photos

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 highlighted point on the eyes of the subject and thus make the eyes charming (catch light). This function can reach optimal effect when the flasher head is up 90°.



### 8. 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 extend to 18 mm and the flash effect will be softer and more natural.



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## VIII. Specifications

Circuit design	Insulated Gate Bipolar Transistor (IGBT)
Guide No.	58 (ISO 100, 105mm)
Flash mode	M, S1, S2, Multi
Zoom range	24, 28, 35, 50, 70, 80, 105mm
Vertical rotation angle	-7-90 degrees
Horizontal rotation angle	0-270 degrees
Power supply	4×AAsize batteries (Alkaline or Ni-MH are usable)
Lighting times	100-1500 times (AA alkaline cell used)
Recycle time	approx 3s (AA alkaline cell used)
Color temperature	5600K
Flash time	1/200s-1/20000s
Flash control	8 levels of output control (1/128-1/1), 29 levels of fine tuning
External interface	hot shoe, PC port and external charging port
Wireless triggering distance	20-25m indoor, 10-15m outdoor
Additional features	The electronic flash head zooming, sound indicator, automatically saving setting, PC port, power saving mode and overheating protection
Dimensions	60×190×78mm (Extended state)
Net weight	350g
Accessories	Flash light (1), protecting bag (1), mini stand (1) and manual (1)

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

Flash Output	Flash Coverage (mm)							
	14	24	28	35	50	70	80	105
1/1	15/49.2	28/91.9	30/98.4	39/127.9	42/137.8	50/164	53/173.9	58/190.3
1/2	10.6/34.8	19.8/65	21.2/69.6	27.6/90.7	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	19.5/64	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	13.7/45.2	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	9.7/32	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	6.9/22.7	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	4.9/16	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	3.5/11.4	3.7/12.1	4.4/14.4	4.7/15.4	5.1/16.7

## IX. 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.

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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 product's zooming range is 24-105mm 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 speedlite 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.

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.

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