

## Precaution

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

To avoid short circuit, please make sure the battery contacts are securely packed and in accordance with local provisions 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.

If the following occurs, please take out the batteries and stop using them.

- This product is dropped or shocked seriously and the inner part of this product is bared.
- Wear gloves and take the batteries out if the corrosive liquid inside the batteries leaks.
- This product gives off strange smell, heat or smoke.

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

Please take out all the batteries if this product is not used for a long time.

## Features

- **Portable Li-ion Battery Power Supply**

This speedlite works normally with just 2pcs of 18650 batteries. The number of full power flash is up to 500 times.

- **Compatible with YONGNUO 602/603 Wireless Triggering System**

This speedlite is completely compatible with YONGNUO YN720/YN685/YN560 IV/YN660/YN560 III/YN560 TX/RF605/RF603/RF602 wireless triggering signal. There is 16 channel for selection and the effective triggering distance is up to 100m.

- **Wireless Transceiver Module, Control Flash Parameters of 6 Groups**

One same YN560Li speedlite can be used as master flash or slave flash. When it's used as master flash, it supports controlling 6 individual groups, and it can remotely control the flash mode, flash output, focal length, number of stroboscopic and stroboscopic frequency of YN560Li/YN720/YN685/YN560 III/YN560 IV/YN660.

- **Ultrafast charging recycle system, Supports Real-time Display of Battery Remaining Capacity**

At full power, the charging recycle time is just approx. 2s. Real-time display of battery remaining capacity is convenient for you to learn the status of charge.

- **Firmware Upgrade**

This speedlite is equipped with USB port. To keep the best performance and compatibility of this speedlite, please download the latest firmware from the official YONGNUO website and update this speedlite.

- **GN58 @ ISO100 , 105mm**

YN560Li is a 2.4G big-index radio speedlite which supports M/Multi/-- mode.

- **Supports Electric Zoom Function**

This speedlite supports manual zoom. The flash coverage range is 24~105mm.

- **Supports S1 and S2 Avoid Pre-flash Optical Triggering Mode**

- **Support Auto-save Setting, Custom Setting (Fn.) and Power Saving Function**

- **Equipped with Sound Prompt System, indicates Flash Working Status with Different Sound**

- **Equipped with LCD Display Screen, Standard PC Sync Port**

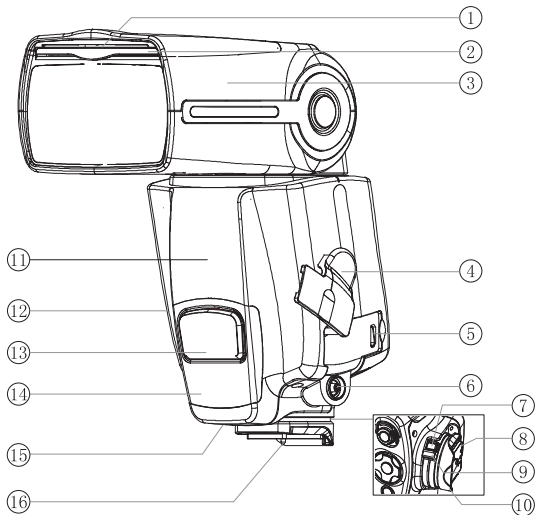
## Quick Start

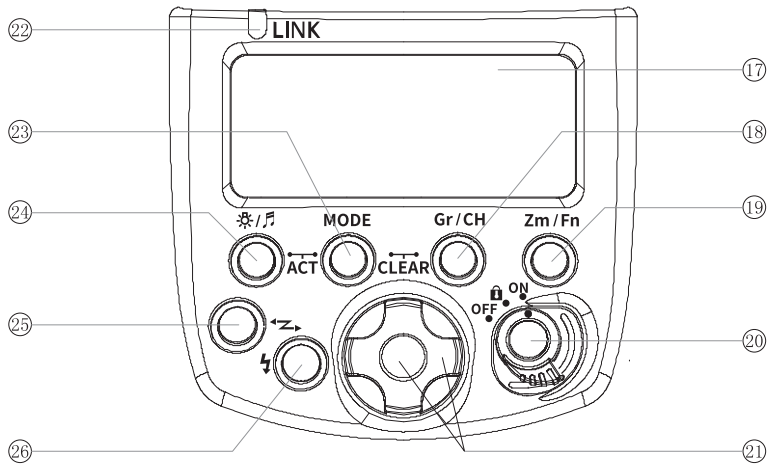
**If you don't have much time to read the whole user manual, we advise you to read this section.**

1. Please avoid the excessive use of the output with maximum power. It can effectively extend the service life of this product.
2. Press each button to view the contents on the screen and learn the function.
3. Short press [MODE] button to switch flash mode: M/Multi
4. Short press [↔] button to switch triggering mode: On camera/Wireless Master/Radio Slave/Optical Slave (S1/S2).
5. In TX state, press [⚙️] and [MODE] button to send activation demand, and press [OK] button to terminate the sending.
6. Short press [Zm/Fn] to enter into focal setting status; long press [Zm/Fn] to enter into Customs Setting Option.
7. In TX/RX triggering mode, short press [Gr/CH] button to enter into group setting status; long press [Gr/CH] to enter into channel setting status (CH1 ~ CH16) .
8. Press [UP][DOWN][RIGHT] or [LEFT] button to quick adjust flash parameters in current mode. Some parameters should be selected before setting.
9. Choose radio signal from "Custom Setting" : RF603 or RF602.
10. In off mode, press and hold [MODE] button, and set the power switch as <ON>, the speedlite will enter the firmware upgrade interface.

## Parts Description

- 1.Reflector
- 2.Wide-angle panel
- 3.Flash head
- 4.Port cover
- 5.Micro USB port
- 6.PC port (Input)
- 7.Knob-release button
- 8.Hot shoe stand
- 9.Lock button
- 10.Dust and water resistant adapter
- 11.2.4G wireless receiver module
- 12.Battery compartment
- 13.Optical trigger sensor
- 14.Off camera indicator
- 15.Sound prompt port
- 16.Hot shoe contact





**17.LCD display screen:**Display all the functions of the flash and use the setting process to facilitate your viewing and setting.

**18.[Gr/CH] button:** in TX/RX state, short press this button to enter group setting status; long press to enter channel setting status.

**19.[Zm/Fn]button:** short press this button to enter focal length setting status; long press this button to enter custom setting status.

**20.[OFF/LOCK/ON]power switch:** set this switch as OFF to turn off the power, and set as ON to turn on the power (when set as LOCK, all buttons will be locked except test button and power switch.).

**21.Set/Select button group:** includes [UP][DOWN][RIGHT][LEFT] and [OK] button; Through these buttons, you can set power output, output fine-tune, number of stroboscopic, flash frequency, advanced option setting, wireless communication channel CH, etc.

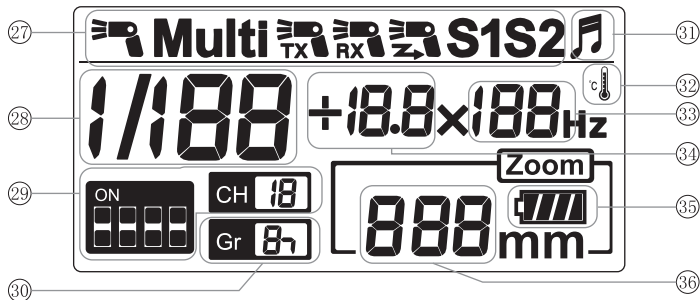
**22.Link indicator:** blue light means this speedlite is in wireless communication state; red light means the speedlite is sending or receiving flash demand.

**23. [MODE]button:** each time press this button, the flash mode cyclically switches between M and Multi mode by sequence.

**24. [🔊/🔇]button:** short press to enable or disable LCD background light; long press to enable or disable sound prompt function.

**25.[🔄]button:** short press this button the triggering mode will cyclically switch among On-camera,TX,RX,S1 and S2 mode.

**26.Charging indicator/Test button (🔌) :** red light means the charging of the flash is completed and the flash can fire; blue light means the flash is in charging status. Press this button, the speedlite will make test flash.



- 27.Flash mode/Trigger mode indicator
- 28.Output power indicator
- 29.Channel indicator
- 30.Group indicator
- 31.Sound indicator
- 32.Overheat indicator

- 33.Flash frequency indicator
- 34.Number of stroboscopic/Output power fine-tune indicator
- 35.Remaining electricity prompt
- 36.Flash head focal length indicator



## Sound Prompt

The Sound Mode	Meaning	Method
Tick twice	The sound indicator is enabled,the speedlite is started or flash is ok.	Normal.
Tick-tick twice-tick twice	The speedlite is in the charging.	Waiting for completion of charging.
Tick-a long sound .	The speedlite is fully charged, and can be used.	Normal.
Sound in rapid succession	The power is not enough and the speedlite is going to be shut down.	Replace the batteries.
Tick-tick-tick-	The speedlite is going to be shut down.	Restart the speedlite.

## Power Recycle Indicator

Status of Indicator	Meaning	Method
Red light	The speedlite is fully charged and can be used.	Normal
Blue light	The speedlite has not been fully charged.	Waiting for completion of charging.
Blue light blinking	a.Low battery; the speedlite is about to shut down. b.Overheat prompt	a.Replace batteries. b. Reduce flash frequency or stop using the speedlite until it cools down.
Red light blinking	Overheat prompt	Reduce flash frequency or stop using the speedlite until it cools down.
Red light and blue light blinking	Overheat protection mechanism is activated.	Stop using the speedlite or shut down the speedlite until it cools down.

## Status and Meaning of Off-camera Indicator

Status	Meaning	Methods
Blinking	This slave unit is fully charged and can fire normally.	Normal
Lights out	The charging of this slave unit has not completed yet.	Wait until the slave unit fully charged.

## Meaning of [LINK] Indicator Status

Status	Meaning
Blue Light	In communication
Red Light	Sending or receiving flash demand

## Status and Meaning of Grouping Display

Status	Meaning	
	TX Master Flash Mode	RX Slave Flash Mode
Gr --	Supports setting flash mode, flash brightness and focal length of the master unit.	Doesn' t support.
Gr A/B/C/ D/E/F	Supports respectively setting flash mode, flash brightness and focal length of the flash of group A/B/C/D/E/F from the master unit.	This unit can be used as flash of A/B/C/D/E/F group in slave units.

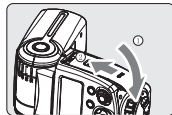
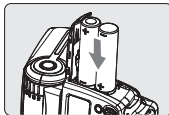
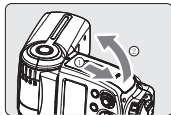
## Product Installation

### 1. Install Batteries

Slide the [Battery compartment cover] in the direction of the arrow as shown.

Insert the batteries according to the label inside battery chamber and make sure the direction of the battery contact (+/-) is correct.

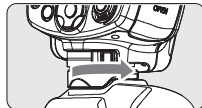
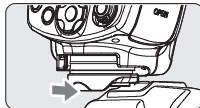
Close the [Battery compartment cover] in the direction of the arrow as shown.



### 2. Attaching to the Camera

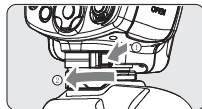
Slip the speedlite's [Mounting foot] all the way into the camera's hot shoe.

Slide the [Fixed knob] to the right side as the arrow shown, until fasten.



### 3. Detaching from the Camera

To detach the speedlite, press [Knob-release Button] and slide the [Fixed knob] to the left side, then remove the speedlite.



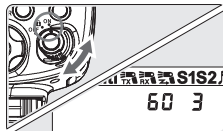
## Basic Function

### 1. Turn On/Off Power

Set the [Power switch] to <ON> or <LOCK> position, the speedlite will turn on and start charging; After turned on, the <Charging indicator> will turn in red light and it indicates it can flash.

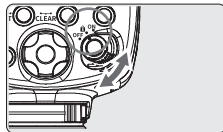
When the speedlite is in low battery, the <Charging indicator> will be with blue light blinking, the screen will display the <low power icon>, and the speedlite will automatically shutdown. At this time, please replace with new batteries.

After use, set the [Power switch] to <OFF> position to turn off the power source. Please take out the batteries after turning off the power of the speedlite.



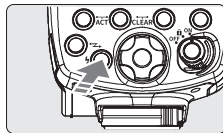
### 2. Key Locking Function

Switch the [Power Switch] button to the <LOCK> position to lock the function buttons of the speedlite (except for [power switch] and [⚡] button). Using this function helps to prevent unexpected changes of the parameters.



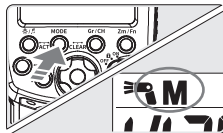
### 3. Test Flash

No matter this speedlite is in which mode, when the <Indicator light> turn in red, you can press the [⚡] button to test if the speedlite flashes normally. During testing, the speedlite will fire according to the set output power.



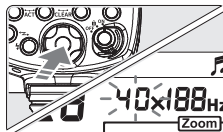
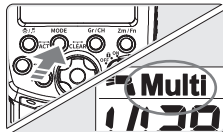
#### 4.M Mode

In M mode, you can set the flash brightness according to your own needs. The flash brightness can be adjusted by [LEFT][RIGHT] [UP][DOWN] button. The adjustment range of the flash brightness is 1/128~1/1. The output can be divided into 8 grades, and each grades has 3 small grades for fine tuning. [UP] and [DOWN] button can be used to adjust the output power with grade 0.3EV and 0.5EV as adjustment increment. When shooting, you can set the flash brightness, adjust the camera and press shutter button, the flash will fire when it receives sync signal from the camera.



#### 5.Multi Mode

Multi mode is stroboscopic mode. In Multi mode, the speedlite fires according to the flash output, flash frequency and number of flashes you set. Through [LEFT] [RIGHT] buttons, the output power can be adjusted. The adjustment range of the output power is 1/128-1/64-1/32-1/16-1/8-1/4. Method of setting number of flash and flash frequency: short press [OK] button to select number of flash, and short press [OK] again to select flash frequency. After that, adjust number of flash and flash frequency through [LEFT] [RIGHT] buttons.

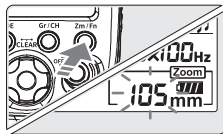


In TX mode, the master unit doesn't support Multi mode.

When in low battery, the charging speed of speedlite will be slow, which may cause the fire missing of the stroboscopic flash. In this situation, please reduce the flash frequency or change new battery.

## 6.Set the flash Range Manually

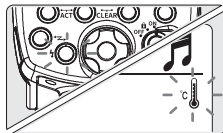
Short press[Zm/Fn]button to select focal length, and set the flash range (24/28/35/50/70/80/105mm) manually through [LEFT] [RIGHT] buttons. The setting result displays directly on the LCD display screen.



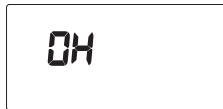
## 7.Overheat Protection

After continuous use, the internal temperature of the flash will rise, and after reaching a certain temperature, the flash will appear overheating warning.

If the speedlite keeps firing after the overheating warning appears, the overheat protection mechanism will be activated to protect the flash head from damage. After overheat protection mechanism activated, there is a <OVERHEAT PROTECTION> icon displaying on the LCD screen, the function button will be locked, the parameters can not be changed, and the speedlite cannot fire. At this moment, please don' t use the speedlite for at least 20 min until the speedlite cools down. To prevent impact in shooting, please try to use 1/4 or lower output when high speed shooting is needed.



Overheating warning



Overheat protection



When overheating warning appears, the charging recycle speed may be slowed down. When overheating warning appears, please reduce flash frequency or flash output. Please take out the batteries after continuous use, and beware of the hot batteries.

## 8.Power Saving Mode

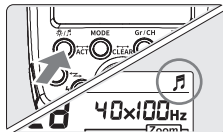
In different flash modes, YN560Li will carry out different power saving modes. For example, <SE of 3 30> means, when the speedlite is used on camera, it enters into sleep mode after being idle for 30 min, and it will automatically shut down if it's idle for another 30 min.

YN560Li is equipped with 3 different power saving modes, including on-camera flash power saving mode, S1/S2 flash power saving mode and RX radio flash power saving mode. You can set the power saving mode through custom setting (Fn.). For more detailed operations please refer to chapter <Custom Setting (Fn.)>.



## 9.Sound Prompt

Long press[]button or through the <Sound on>option of custom setting,you can turn on or off the sound prompt function.When this function is on,the speedlite will make different sounds to remind the working mode,for the specific sound method and meaning,please refer to “Status and Meaning of Recycling Indicator” chapter.



## 10.PC Synchronous Port

Through connecting the standard PC synchronous port,the speedlite fires synchronously.

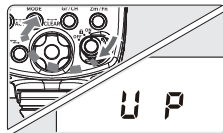
## 11Automatic Saving Setting

Press[power switch]to turn off,the speedlite saves the current settings automatically,which is convenient for your next use.

## 12.Firmware Upgrade

This product supports firmware upgrade, please visit YONGNUO official website [www.hkyongnuo.com](http://www.hkyongnuo.com) to download the latest update software and firmware to upgrade the speedlite. The upgrading method is as follows,

1. Connect with the PC through Micro USB cord (USB cord is required to be purchased separately)
2. Turn off the speedlite, hold down [MODE] button, and set the [power switch] to <ON> to turn on the speedlite to enter the upgrade interface.
3. Enter upgrade software, upgrade the speedlite according to the software prompts.





## Advanced Applications

### 1.Second-curtain Sync

You can use slow shutter speed to capture the trail of light source of the subject, the speedlite flashes at the moment when the shutter is closing, this is second-curtain sync function (The second-curtain sync function needs to be supported by the camera itself, for the setting method, please refer to the user manual of the camera)



For canon system, the second-curtain sync function can be realized only when the speedlite is able to communicate with the camera.

### 2.High-speed Burst Shooting

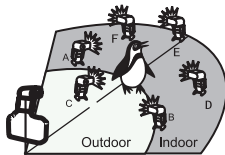
This product supports high-speed burst shooting, please set to burst shooting mode on the camera before shooting.



The quantity of photos of burst shooting depends on the flash output setting, please use the batteries with sufficient electricity.

### 3. Long-distance Wireless Flash Shooting

YN560Li supports radio transmission and optical transmission wireless flash shooting. Radio transmission trigger function is compatible with the radio trigger signals of RF602 and RF603, the maximum trigger distance is approx. 100m. The optical transmission wireless flash trigger function supports S1 and S2 trigger mode, the maximum trigger distance is approx. 25m for indoors, and approx. 15m for outdoors.

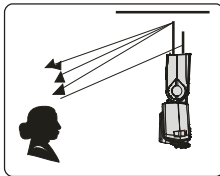
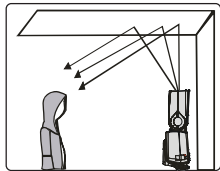


#### 4.Reflection Flash

Reflection flash means using [flash head] aiming at the wall or ceiling, illuminate the subject with the help of reflected light for shooting (commonly known as “bounce flash”). which can decrease the shade behind the subject for more natural shooting effect.



If the wall or ceiling is out of distance, the bounce flash may be too weak to get enough exposure. The wall or ceiling should be flat and white, which helps to get efficient reflection, if the reflecting surface is not white, color cast may appear on the photo.

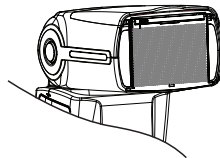


#### 5.Use reflection board for shooting

Using [reflection board] for flash, pull out [reflection board] and [Wide-angle panel] at the same time from the flash head and push back the wide-angle panel. If you take photo at this time, a highlight will be produced in the person's eyes, which makes the eyes more charming (catchlight). This function achieves best effect when you position the flash head toward the front and 90° up.

#### 6.Use Wide-angle panel

Pull out the wide-angle panel, push back the reflection board, and place them according to the picture, the flash range will be increased and the flash effect will be softer and more natural.



## Wireless Flash Shooting

### 1. Radio Transmission (TX/RX)

YN560Li is compatible with two 2.4GHz radio trigger signals of YONGNUO 602、603. This product supports M/Multi/- - three flash modes, “- -” means ‘Flash-off’. In radio flash shooting, YN560Li can be used as master unit and slave unit off-camera.

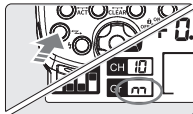
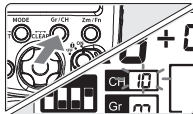
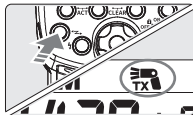
#### • Master Unit (TX) Setting

1) **Trigger Mode Setting:** Short press [◀▶] button, set the mode to <TX>.


2) **Radio signal switch:** enter custom function option to set the radio signal to RF602 or RF603. During triggering, please make sure that the signal of the master unit is consistent with that of the slave unit, otherwise the speedlite cannot be triggered.

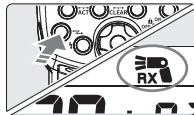
3) **Channel setting:** long press [Gr/CH] button to enter the state of channel setting, short press [LEFT][RIGHT] to select the channel, press [OK] to save the setting. This product has 16 channels for option, during radio triggering, please make sure that the signal of the master unit is consistent with that of the slave unit, otherwise the speedlite cannot be triggered.

4) **Master unit control group setting:** short press [Gr/CH] button to enter the state of group setting, short press [LEFT][RIGHT] to select the control group, press [OK] to save setting. For master unit, there are --/A/B/C/D/E/F, seven control groups for choice, <Gr --> means that the current display interface is the



flash parameter control interface of master control speedlite,<Gr A... F> means that current display interface is the flash parameter control interface of the corresponding slave unit. (Please refer to “Chapter of state and meanings of grouping display”)

**5) Remotely control the parameters of each group:**switch the Gr of the master unit to the interface of the control group which needs to modify the parameters according to the previous step, change flash mode,flash output,flash coverage of the group according to the setting method of normal on-camera.The flash parameters changed from the master unit will be synchronized to the slave units automatically,if the auto-synchronization fails,you can short press []button to achieve the data synchronization.



#### • Slave Unit (RX) Setting

**1) Trigger mode setting:**short press [],set the trigger mode to <RX>.

**2) Radio signal selection:**enter custom setting option,set the radio signal to be consistent with that of the master unit,press[OK]to save setting.

**3) Channel setting:**long press [Gr/CH]to enter channel setting state,short press [LEFT][RIGHT]to set the channel to be consistent with that of master unit,press[OK]to save setting.

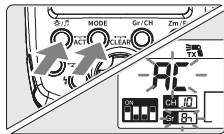
**4) Slave unit grouping setting:**short press[Gr/CH]button to enter grouping setting state,short press[LEFT][RIGHT]button to set the slave unit to the group needed,press[OK]to save setting.For slave unit,there are 6 groups:A/B/C/D/E/F for choice. (Please refer to “Chapter of state and meanings of grouping display”)

**5) Flash parameter of slave unit setting:**when the speedlite is used as slave unit,you can not only set the parameter directly on this speedlite,but also change the parameter remotely through the master unit.The method of setting the flash mode,flash output,and flash coverage directly on this speedlite is the same as that of normal on-camera.For setting the parameter of the slave unit remotely,you only need to set the flash mode,flash output,and flash coverage of corresponding group on the master unit,then the parameters will be synchronized to the slave unit flash of the group.

### ● YN560 III The Third Version Grouping Activation

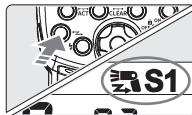
If your YN560III does not display the grouping parameters on the screen after it is set to RX off-camera trigger mode,it means that the speedlite has not been activated,and it needs to be activated by YN560Li before the normal use of grouping control.The activation method is as follows,

- 1) Set the trigger mode of YN560 Li to TX radio master control mode,and set the trigger mode of YN560III to RX radio off-camera trigger mode.
- 2) Set the radio trigger modes of YN560Li and YN560III to be consistent.
- 3) Set the channels of YN560Li and YN560III to be consistent.
- 4) Hold down the [⚡/⚡]and [MODE]button to enter transmitting state of activation signal,after the YN560III receives the activation signal,short press[OK]button of YN560III to confirm activation.After the activation is confirmed,the LCD screen on the YN560III displays GR icon.



## 2.Optical Transmission(S1/S2)

Short press [**↔**]button,switch the trigger mode to S1 or S2,these two trigger modes are also suitable for off-camera use to create various lighting effects,they are suitable for manual flash environment and TTL flash environment respectively.When triggering,you can rotate the lamp head of the speedlite to make the sensor face towards the master control speedlite in order to improve the success rate of firing.



In S1、S2 mode,the flash mode is locked to manual mode forcibly,short press[LEFT][RIGHT] to adjust flash output.

**S1 mode:** When the speedlite is in S1 mode,it will work synchronously with the first flash of the master flash, with the result consistent with the use of wireless trigger. To use this mode properly, the master flash should be set to manual flash,do not use the TTL flash system with preflight function or the red-eye reduction function with multiframe.

**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 master flash working in TTL mode. In particular, if S1 mode cannot flash properly and sync with your internal flash, you can try to use S2 mode.



The following situation shall be avoided when the S1 and S2 optical slave flash are used: the main speedlite using red eye reduction function ; the main speedlite using command mode (Nikon) or wireless mode (Canon); the ST-E2 being used as the flash controller;the base connecting flash trigger.

## C.Fn:Custom Function Setting

YN560Li is equipped with custom function setting,you can custom the flash function according to your requirement.The custom function setting method:long press the function button[Zm/Fn]to enter the custom function menu,select the custom function item through[UP][DOWN],set the parameters of the items through [LEFT][RIGHT].For example:<SE oF 3 30> , means it is used on-camera,the speedlite enters sleep mode after being idle for 3 minutes,powers off automatically after being idle for 30 minutes.

The custom functions supported by YN560Li is as follows:

SL EP on: Power saving mode is on.

SL EP --: Power saving mode is off.

SE oF 3 30/15 60/30 120 oF: The speedlite enters sleep mode after being idle for 3/15/30 minutes.Powers off after being idle for 30/60/120 minutes.

SE oF -- 120 oF: do not sleep,powers off after being idle for 120 minutes.

Sd 30/60/120: S1/S2 mode,powers off after being idle for 30/60/120 minutes.

The image shows a rectangular LCD display with a black border. Inside, the text "SL EP on" is displayed in a white, pixelated font. "SL" is on the left, "EP" is in the middle, and "on" is on the right.

SL EP on

The image shows a rectangular LCD display with a black border. Inside, the text "SE 3 30" is displayed on the top line and "oF" is displayed on the bottom line, all in a white, pixelated font.

SE 3 30  
oF

The image shows a rectangular LCD display with a black border. Inside, the text "Sd 30" is displayed in a white, pixelated font. "Sd" is on the left and "30" is on the right.

Sd 30

Sd 5 30/15 60/30 120: RX mode, enters sleep mode after being idle for 5/15/30 minutes. Powers off after being idle for 30/60/120 minutes.  
Sd - - 120: do not sleep, powers off after being idle for 120 minutes.

Sd 5 30

Lcd 7/15/30: backlight time duration of speedlite LCD is 7/15/30 seconds.

lcd 15

So nd on: Sound prompt function is on.  
So nd - -: Sound prompt function is off.

So nd on


Inc 0.3: fine tuning step size of manual flash output is 0.3EV.  
Inc 0.5: fine tuning step size of manual flash output is 0.5EV.  
Inc 0.3 5: mixed fine tuning step size of manual flash output is 0.3/0.5EV.

inc 0.3



rF 603: compatible with RF-603 wireless trigger signal

rF 602: compatible with RF-602 wireless trigger signal

A digital display with a black border showing the text 'rF 60 3' in a stylized, segmented font. The 'rF' is on the left, '60' is in the middle, and '3' is on the right.

rF 60 3

Gr ALL:master unit supports remote control over the parameters of six groups A/B/C/E/D/F of the slave unit

Gr A: master unit only supports remote control over the parameter of group A of the slave unit

Gr Ab: master unit supports remote control over the parameters of two groups A,B of the slave unit

Gr Abc: master unit supports remote control over the parameters of three groups A,B,C of the slave unit

A digital display with a black border showing the text 'Gr AL L' in a stylized, segmented font. 'Gr' is on the left, 'AL' is in the middle, and 'L' is on the right.

Gr AL L

A digital display with a black border showing the text 'CL EA --' in a stylized, segmented font. 'CL' is on the left, 'EA' is in the middle, and '--' is on the right.

CL EA --

CL EA - -: restores to advanced options default setting (at this time,long press OK button to restore to default setting)

VE. XX:Firmware version information of the speedlite

A digital display with a black border showing the text 'U E. 100' in a stylized, segmented font. 'U' is on the left, 'E.' is in the middle, and '100' is on the right.

U E.  
100

## **Troubleshooting Guide**

### **1.Cannot turn on the power source or cannot fire**

Please check if the battery is installed correctly and has enough electricity;Please ensure that the flash hot shoe is properly installed on the camera hot shoe and the flash fixed knob is locked tightly.

### **2.Cannot flash when wireless flash shooting in optical transmission mode.**

When using outdoors, please avoid direct sunlight to the flash wireless sensor;Ensure the slave unit is located within the effective triggering range.

### **3.Cannot flash when wireless flash shooting in radio transmission mode.**

Please make sure that the radio trigger signal and channel of the master unit and the slave unit are consistent, and the slave units is placed within the effective radio transmitting range of the master unit.

### **4.Photo underexposure or overexposure**

Check if the current camera shutter, aperture, sensitivity (ISO) is too close to the limit of the flash, or if the corresponding flash parameter settings are correct.

### **5. Dark corners appear on the photo or only part of the subject is illuminated**

Please check the current flash coverage;Please check if the lens focal length exceeds the flash coverage, if so, you can try pulling out the wide panel to enlarge the flash coverage.

### **6.Flash in error state.**

Please try turning off the power source of the speedlite and the camera, and remove it from the camera,then install it on the camera , restart the flash and the camera. If the problem still cannot be solved,please contact with YONGNUO after-sale service center at hot line 400-0013-888 or email to [service@hkyongnuo.com](mailto:service@hkyongnuo.com) for help.

## Specifications

Circuit design	Insulated Gate Bipolar Transistor (IGBT)
Guide No.	58 (ISO 100, 105mm)
Flash mode	M, MULTI
Trigger mode	On-camera, TX、RX、S1、S2
Zoom range	24, 28, 35, 50, 70, 80, 105mm
Vertical rotation angle	-7~90 degrees
Horizontal rotation angle	0~270 degrees
Power supply	2 pieces of 18650 lithium-ion batteries
Number of Flashes	500 times (using 18650 lithium-ion battery)
Recycling time	less than 2 seconds (using 18650 lithium-ion battery)
Color temperature	approx.5600k
Flash time	1/200s~1/20000s
Flash control	8 levels of output control (1/128~1/1), 29 levels of fine tuning totally
External interface	hot shoe, PC port, Micro USB port
Wireless triggering distance	photosensitive triggering distance for indoors, 20~25m, 10~15m for outdoors. 2.4G radio triggering distance, up to 100m
Additional functions	lamp head electric zoom, sound prompt, PC synchronization, power saving
mode, overheat	protection, auto-saving setting
Dimensions	approx. 58×76×191 mm (Extended state)
Net weight	393g
Contains items (only flash unit)	Speedlite(1), Protecting bag (1), Mini stand (1), Manual (1), Manufacturer certificate(1)
Contains items (Kit)	Speedlite (1), protecting bag (1), mini stand (1), user manual (1), product qualification certificate (1), AC/DC adapter (1), charger (1), 18650 Li-ion battery(2)

Guide Number (ISO 100, in meters / feet)

Flash Output	Flash Coverage (mm)							
	14mm	24mm	28mm	35mm	50mm	70mm	80mm	105mm
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

The electronic version manual can be downloaded from [www.hkyongnuo.com](http://www.hkyongnuo.com).

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

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