I. Warning

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

Do not flash at high level output continuously for over 15 times.

To avoid short circuit, make sure the batteries are securely packed so that the contacts do not touch each other and take care not to short circuit the batteries when handling them.

Please place the batteries and any other small parts that can be swallowed mistakenly away from children. Contact a doctor immediately if this happens.

To avoid possible injury to eyes, do not use the flash light close to the eyes.

Do not use the flash light on the people who have medical conditions that might be aggravated by this without first consulting a doctor.

Please remove the batteries from the flash light and stop using immediately in case of:

● It is dropped or otherwise seriously damaged so that inner components are revealed.

● If the battery leaks corrosive liquids or chemicals, please take out the battery with gloves.

● The product gives off strange smell, smokes or becomes very hot.

Do not disassemble or maintain this product. Touching the internal high voltage circuits will cause serious electrical shock.

II. Features

YN560 is a new flash specially designed for professional creative photography. Compared with YN460-Ⅱ and YN460, it has the following new features:

New appearance: The new flash looks more stylish, impressive, easy to use and professional.

New power zoom function: Set by using buttons on the flash, giving the flash a focal length coverage ranging from 24 to 105mm.

GN58 @ ISO100, 105mm: YONGNUO has designed the YN560 with a higher guide number, to match the mainstream professional hot shoe flashes.

The improved wireless triggering sensor: YONGNUO improves the wireless triggering sensor for YN560, with S1 and S2 modes that can also be used outdoors, with a wireless triggering distance of up to 15m.

Sound signal: When the YN560 is fully charged, the flash will give a ready sound, so you may concentrate on the creative process. (Note: the sound can be disabled).

New charging socket for external power pack: YN560 has the addition of a charging socket for an external power pack, to meet the need for a faster charging recycle.

New PC synchronous port: YN560 adds a standard screwlock PC synchronous port,

which makes it easier to use PC synchronous cables.

Super fast recharging cycle: It only takes as little as 3 seconds to recharge after full power flash. Even without new batteries, the recharge cycle should need only needs 4~5 seconds; significantly reducing the inconvenience of having to wait for charging. In addition, you can use an external power pack to accelerate the recharging speed.

Supporting high-speed continuous shooting: With power settings of 1/8 or below, the YN560 can support the 8FPS high-speed continuous shooting.

Improved power saving mode: YONGNUO has re-designed the power saving mode for YN560. In the power saving mode, the flash will automatically shutdown sooner; and the user can select a non-saving mode, where it will take a long time before automatic shutdown.

The more fine tuned output control: The output control of YN560 is more accurate selectable, ranging from 1/128 to 1/1 and each step has 8 smaller fine tuning steps; Coupled with the zoom flash head, YN560 gives you precise control to achieve your desired lighting effect.

Automatic setting saving: YN560 automatically saves your current setting when powered off.

III. Parts (Please read this section carefully, to familiarize yourself with the product)

1. Built-in bounce card
2. Built-in wide-fl ash adapter
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. Screwlock PC port (for input)
6. Port cover
7. Battery bay cover
8. Optical control sensor
9. Locking ring
10. Hot shoe stand
11. Hot shoe pin
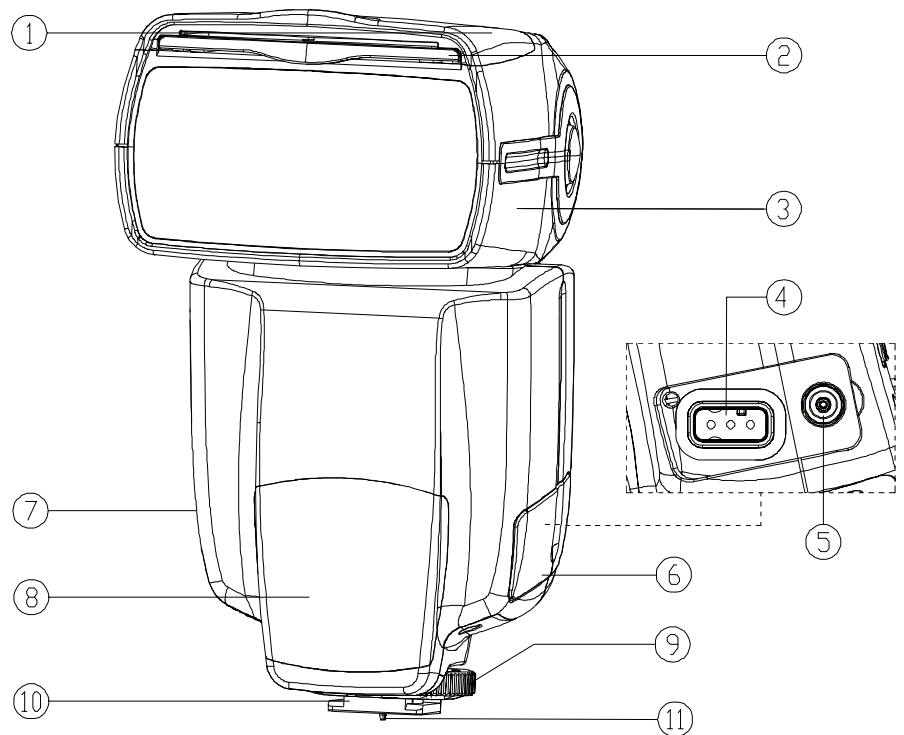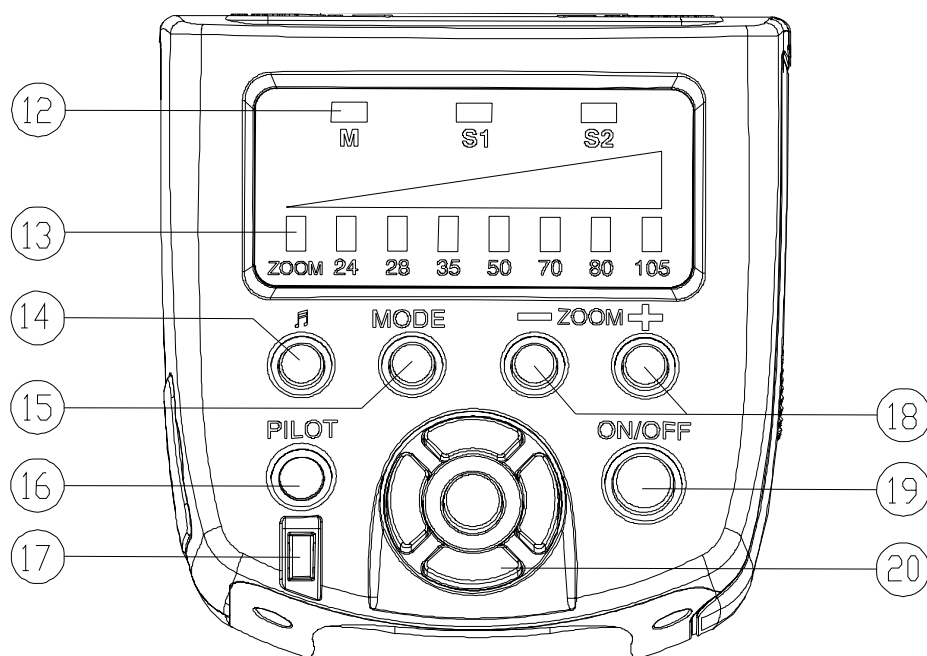
12. **Mode indicator (M, S1, and S2):** Indicates the current flash mode.

13. **Output level indicator:** Set the output power by button; there are 8 levels for output level adjustment. Indicates the output power and the fine-tuning; it also indicates the current focal length when adjusting the zoom.

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

15. **Mode switch button:** Change the mode of the flash light; it will cycle through M/S1/S2 for each press.

16. **Charging indicator / Test button:** The red light will glow when the charging process is complete and the flash light can be used; it will glow green to show that it is charging or the batteries are low on power; alternate flashing of red and green light shows overheat protection cutout. If you press the test button (PILOT), the flash will give a test flash.

17. **Power Save indicator:** When power saving mode is disabled, the indicator is lit for a long period; when the power saving mode is enabled, the light is off. When the flash enters sleep mode, the indicator will flash.

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

19．**Power switch:** Switch the flash light on/off by holding this button down for 2 seconds.

20．**Power adjustment button:** Adjust the power output major steps by pressing the [LEFT] [RIGHT] buttons of the main control, and make fine tune power changes by pressing [UP] [DOWN] and then press [OK] in the middle to set fine tune setting.

IV. Installation Instruction

1. Install Batteries

Slide the battery bay cover in the direction of the arrows to open.

Insert the batteries, with polarity according to the label inside battery bay. Make sure the battery polarity is correct.

Close the battery bay cover in the direction of the arrows.
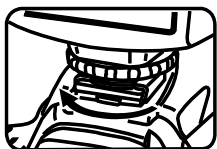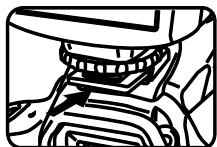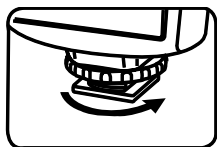
2. Mount the flash light on your camera

Loosen the locking ring by turning it in the direction of the arrow. Slip the flash light 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 flash light, loosen the locking ring by turning it in the opposite direction.
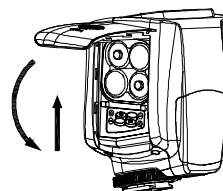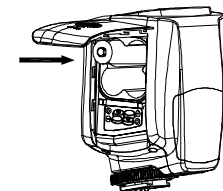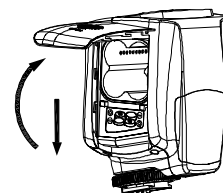
V. Basic Functions

1. Basic Operations

Operation of the buttons:

Component	Operation
[Power Switch]	Power switch for the flash light. The flash light can be switched on/off by pressing this button for 2 seconds. It is recommended that the batteries be removed from the battery bay only **after** the flash light is switched off using this button.
[Mode Switch Button]	The trigger mode of the flash light can be cycled through M/S1/S2 by pressing.
[Sound Switch]	Pressing can enable or disable the ready sound signal. Holding this button down for 2 seconds will enable or disable the power saving mode.
[LEFT] and [RIGHT] button	The output power of the flash light can be adjusted in major steps through these buttons.

[UP] and [DOWN] button and [OK]	You can make fine tune power changes by pressing these buttons and then press [OK] to set the fine tune setting.
[−] ZOOM [+] button	By pressing these buttons, the head focal length of the flash head can be cycled through (24 / 28 / 35 / 50 / 70 / 80 / 105).
[Pilot Button]	Press to test the flash at the current output level.

Meaning of [Output control indicator]:
* [☀] represents <ON> state of display's light, while [O] represents <OFF> state.

In M/S1/S2 Mode, indicates the output level	
State of [Output level indicator]	Output Level
☀ O O O O O O O	1/128
☀ ☀ O O O O O O	1/64
☀ ☀ ☀ O O O O O	1/32
☀ ☀ ☀ ☀ O O O O	1/16
☀ ☀ ☀ ☀ ☀ O O O	1/8
☀ ☀ ☀ ☀ ☀ ☀ O O	1/4
☀ ☀ ☀ ☀ ☀ ☀ ☀ O	1/2
☀ ☀ ☀ ☀ ☀ ☀ ☀ ☀	1/1

Meaning of [Charging indicator]

Status of [Charging Indicator]	Meaning	Operation
The red light is lit	The flash light 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, replace the batteries.
The red and green lights blink alternately	The flash light is locked to prevent overheating due to frequent flashing.	Wait for about 3 minutes to cool the flash light.

The meaning of [Sound signal]

Sound	Meaning	Operation
2 beeps	a. The sound signal is enabled; b. The flash is started;	Normal
3 beeps	The flash is in the charging state	Waiting for the completion of charging
4 beeps	The sound switch is now disabled	Normal
Continuous beep	There is insufficient power and the flash will turn off	Replace the batteries.
A long beep	The flash light is fully charged, and can be used.	Normal

[Power saving indicator] (for M Mode)

Display mode	Meaning	Operation
Lit for a long period	The power saving mode is now off	Press the [Sound Switch] to change
Unlit for a long period	The power saving mode is now enabled	Press the [Sound Switch] to change
Flashing	The flash is in sleep mode	Press the power button or [PILOT] to wake up the flash

2. Switching the Power on and off

The flash light can switched on or off by pressing this button down for 2 seconds. It is recommended that the batteries be removed from the battery bay only **after** the flash light is switched off using this button.

After switching the flash light on, it will resume to the settings last used. When the charging indicator is green, flash is available.

If the flash light does not charge within 20 seconds, the flash will automatically shutdown. Then you need to replace the batteries with new ones.

You may press the test button [PILOT] to check that the flash works normally.

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

3. M Mode

In M (Manual) 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 8 fine tuning steps. The [UP] [DOWN] buttons are used to fine tune the output power. The output level is indicated by the output power indicator. For shooting, what you need is to set the flash output level, adjust the camera and press the shutter. The flash light will flash when triggered by the camera's sync signal.

4. S1/S2 modes

By pressing the [Mode Switch Button], the flash will change to the S1/S2 mode. These two modes are suitable to be used as off-camera slave lights, 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] and [OK] in the middle. When using S1/S2 mode, you should rotate the flash head to align the wireless triggering sensor to face the master light.

When the flash is in S1 mode, it will work synchronously with the master flash light; the result will be consistent with the use of radio slave. To use this mode correctly, the master flash should be set to manual flash and the TTL flash system (with pre-flash functions, red-eye reduction functions and high speed multiple/repeating flashes) should not be used.

S2 mode: This is also called "pre-flash cancel mode". This mode is similar to the S1 mode, but it can ignore the pre-flash given by a TTL flash system. Therefore, it can support the main flash working in TTL mode. In particular, if S1 mode will not flash correctly and or not in sync with your camera's flash, you should try S2 mode.

Do NOT use the following when the S1 and S2 modes are selected: red-eye reduction function of the master flash light; the remote mode (Nikon) or wireless mode (Canon) of the master flash light; ST-E2 (as the flash controller).

5. Test Flash

Whatever mode the flash light is in, you can press PILOT button to test if the flash light flashes normally.

When testing the flash, the flash will flash at the output level you have set.

6. Power saving mode

YONGNUO has designed a power saving mode for YN560. This mode is enabled or disabled by a long press of the [Sound Switch]. In M mode, if the power saving mode is enabled, the flash will enter sleep mode after 3 minutes of inactivity in order to save power. You can press [PILOT] or [Power Switch] to awaken the flash to resume operation. It will automatically power down after 15 minutes of inactivity. If you disable the power saving mode, the power saving indicator will be on. The flash won't as quickly go into sleep mode after being left inactive, but it will automatically shut down after 30 minutes.

In S1/S2 modes, if the power saving mode is enabled, the flash will automatically shut down after 30 minutes of inactivity; if the power saving mode is disabled, the flash will automatically shut down after being inactive for 60 minutes.

| Flash mode	Power saving mode [ON]	Power saving mode [OFF]
M	After 3 minutes of inactivity the flash light will enter sleep mode and after 15 minutes will automatically shut down	No sleep mode; the flash light will automatically shut down 30 minutes inactivity
S1/S2	After 3 minutes of inactivity the flash light will enter sleep mode and after 30 minutes will automatically shut down	No sleep mode; the flash light will automatically shut down 60 minutes inactivity

7. Overheat protection

If the flash light is used too frequently, its overheating protection function will be triggered, the red and green lights of the charging indicator will blink alternatively, and the flash light will be locked. In such case, please wait for about three minutes to 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.

8. Manually set the zoom focal length

By pressing [－] ZOOM [＋], you can manually set the zoom focal length. The zoom focal length of the flash will cycle between (24 / 28 / 35 / 50 / 70 / 80 / 105mm).

In setting the flash zooming position, the LED indicators in the display panel will show the current length. The focal length showed in the display is shown in the table below:

* [🔆] represents <ON> state of display's light, while [◯] represents <OFF> state.

Application of ZOOM to set the zooming position	
State of [Output level indicator]	zooming (mm)
🔆 🔆 ◯ ◯ ◯ ◯ ◯	24
🔆 ◯ 🔆 ◯ ◯ ◯ ◯	28
🔆 ◯ ◯ 🔆 ◯ ◯ ◯	35
🔆 ◯ ◯ ◯ 🔆 ◯ ◯	50
🔆 ◯ ◯ ◯ ◯ 🔆 ◯	70
🔆 ◯ ◯ ◯ ◯ ◯ 🔆 ◯	80
🔆 ◯ ◯ ◯ ◯ ◯ ◯ 🔆	105

9. Sound signal

When the sound signal is enabled, the flash will give different sounds to indicate its working situations. The meanings of the sounds can be found in the table below:

Sound	Meaning	Operation
2 beeps	a. The sound signal is enabled; b. The flash is started;	Normal
3 beeps	The flash is in the charging state	Waiting for the completion of charging
4 beeps	The sound switch is now disabled	Normal
Continuous beep	There is insufficient power and the flash will turn off	Replace the batteries.
A long beep	The flash light is fully charged, and can be used.	Normal

10. Screwock PC synchronous port (for input)

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

11. Automatic setting saving

The flash will automatically save the current settings so that it is easier to setup whne you next use it.

VI. Advanced Use

1. Fine tuning the output power

YN560 allows you to fine tune the output power. You can do more precise changes in the flash output with this function.

When you use the [LEFT] and [RIGHT] button to adjust the major steps of flash power, press [UP] and [DOWN] to make the finer adjustment; the fourth light of the output power indicators [35] will light and flash and then the flash light will switch into power

fine tuning mode. Then you can fine tune the power output of the flash by [UP] and [DOWN]. The step size is 1/8ev, so you can achieve more precise exposure control.

Press the [OK] button to exit this state, or it will automatically exit after no changes are made for 15 seconds.

In the fine tuning of the output power, the fine tuning values indicated by the relevant indicators are shown in the following picture:

M   S1   S2

ZOOM   24   28   35   50   70   80   105

-3   -2   -1   0   +1   +2   +3   +4
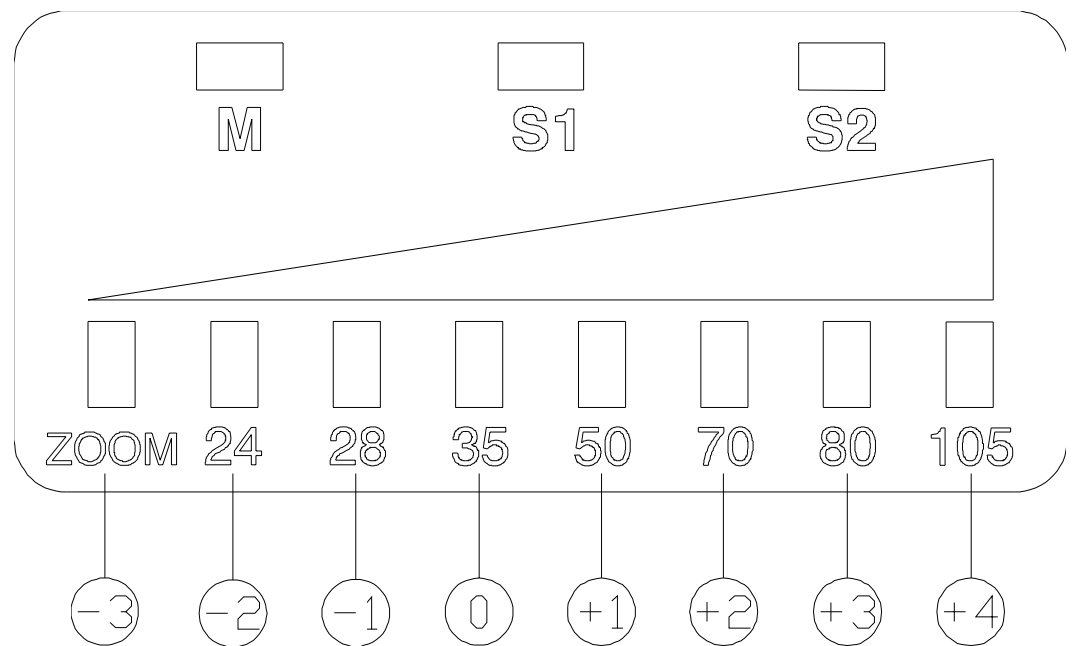
2. Multi-flash Lighting Application

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

Place the slave flash light in desired location.

When outdoors, radio signals can be reflected by walls; therefore, place the slave flash where it has enough space to receive the signal.

Before locating the slave flash light, make a test of whether S1/S2 can work synchronously (normally).

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

In radio flash mode (S1 or S2), if the flash is idle for 30min, it will power off automatically in order to save power.

The wireless triggering sensor is more sensitive, which makes S1/S2 modes more useful outdoors. The wireless triggering distance is up to 15m. When it is used outdoors, please keep in mind the following tips: the wireless triggering window needs to face the master flash and direct sunlight should be avoided. If following this advice conflicts with your desired direction of lighting, please try rotating the flash head in each direction to move the sensor window to meet your shooting needs.

3. Buttons are effective immediately

For this flash light, you can quickly get operational, without complex menus. Just press the specific buttons and the corresponding modes in the flash light's operation will change immediately; including the power switch, testing flash output, mode switch, adjustment of output power, zoom, sound switch, etc.

4. The use of external charging box

You can buy YONGNUO external charging battery packs, like the SF-18C or SF-17C, and connect it to the charging port of the flash. After firing the flash, the battery pack will charge the flash.

5. High-speed continuous shooting

The YN560 flash light can work with high-speed continuous shooting. Please set the camera in the continuous shooting mode and then shoot.

Please note: The number of photos that can be continuous shot is inversely related to the output level. Please use fully charged batteries or an external battery pack to support this mode.

6. Rear-curtain Sync

You can use slow shutter speeds to produce trailing smear for the object as the flash light will flash at the moment when the shutter is going to close; called rear-curtain sync (The rear-curtain sync function needs support from the camera's own settings; you should refer to the camera's instruction book on how to set this mode).

7. Reflection Flash

You can take photos by aiming the flash light head at a 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 a more natural shooting effect.

If the wall or ceiling is too far, the bounced light 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.
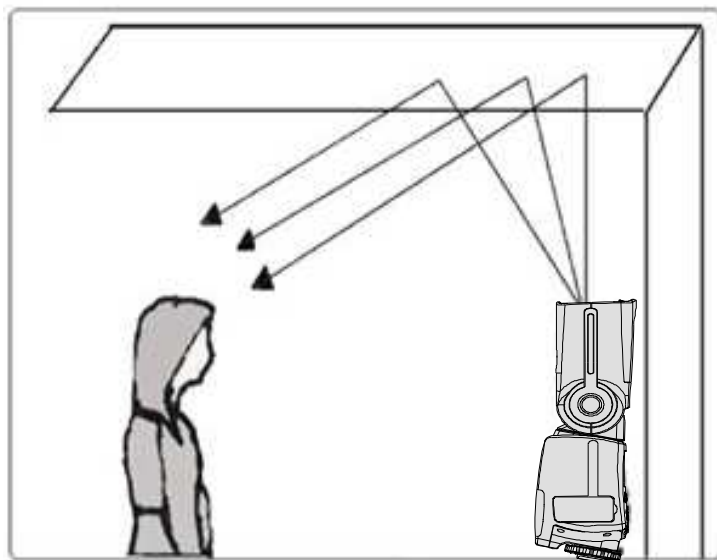
8. Using the built-in Bounce Card

Draw out the built-in bounce card and the wide-angle diffusion board from the flash head at the same time and **then** push the wide-angle diffusion board back in. In this way, if this flash light is used to take photos, it will produce a highlight point on the eyes of the subject and thus make the eyes more appealing (catch light). This function is most effective if the flash head is at 90°.
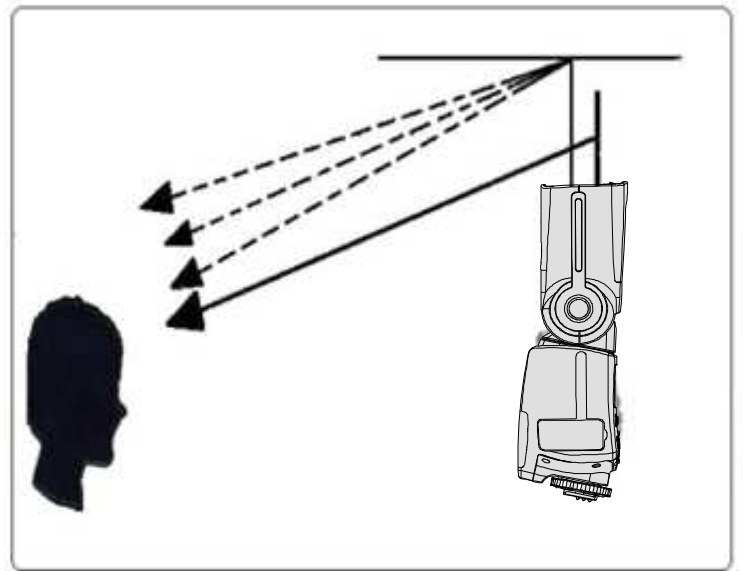
9. Using the built-in Wide-angle Diffuser

Pull out the wide-angle diffusion board and the built-in bounce card, and **then** push back the bounce board and arrange them as per the illustration. Used thus, the flash light will have an effective focal length of 18 mm and the flash effect will be softer and more natural.
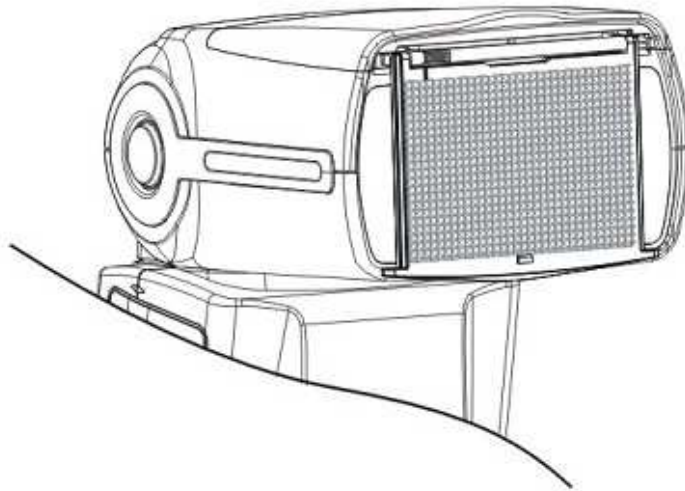
VII. Specifications

Circuit design .... Insulated Gate Bipolar Transistor (IGBT)

Guide No. .... 58 meters (ISO 100, 105mm)

Flash modes....................................... M, S1, S2

Zoom range 24, 28, 35, 50, 70, 80, 105mm

Vertical tilt angle .... -7~90 degrees

Horizontal swivel angle...................... 0~270 degrees

Power supply...................................... 4 × AA size batteries (Alkaline, Hybrid or Ni-MH can be used)

Flash Recycles................................... 100~1500 times (AA alkaline cell used)

Recycle time...................................... approx 3s (AA alkaline cell used)

Color temperature.............................. 5600k

Flash duration.................................... 1/200s~1/20000s

Flash power adjustment...................... 8 levels of output control (1/128~1/1), 57 levels of fine tuning

External interfaces............................. hot shoe, PC port and external charging port

Wireless triggering distance .... 20~30m indoors, 10~15m outdoors

Additional features .... Electronic flash head zoom, sound signal, automatic saving setting, PC port, power saving mode and over heat protection

Dimensions .... ??×190×??mm (Flash head at 90 degrees)
??x???x??mm (Flash head at 0 degrees)

Net weight 350gm

Accessories .... Flash light (1), carry bag (1), mini stand (1) and manual (1)

Guide Numbers for different focal length ranges (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

VIII. Possible problems during use and solutions

1. Please note when using the flash outdoors: When outdoors, please avoid direct sunlight on to the wireless triggering sensor to ensure normal function of the S1/S2 modes of the flash light.

2. Precaution for outdoor use with lighting umbrellas/modifiers: Lighting umbrellas/modifiers are easily blown over and if mounted with the flash light it is possible to break the hot shoe foot. Take good precautions to avoid being blown over or knocked over. Please fix to a suitably secure mounting system or avoid outdoor use.

3. Photos are under exposed or over exposed? Check you have not set the shutter speed, aperture and ISO too near the flash limits of the camera, or, if you have used other settings including exposure compensation in relation to flash photography, that they are properly set.

4. Vignetting appears in photos or only part of the subject is illuminated? Please check the current light coverage of the set zoom focal length and make sure that the camera lens focal length exceeds the coverage range of the flash. The product's zooming range is 24~105mm in the medium format system. You can try to pull out the wide-angle diffuser to expand the flash range.

5. The flash control panel is dim. This may be because there is one protective film on the panel for shipping; you can tear it away to see the display more clearly.

6. The flash light is functioning abnormally? Switch off the power of flash light and camera, remove and re-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 described in this manual are based on testing made by our company. Specifications and design may change without further notice.

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