YONGNUO
DIGITAL

SPEEDLITE
YN468-II

USER MANUAL

Please read and understand this entire manual before using this product. Keep it for future reference.

I. Caution

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.

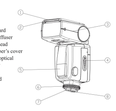
To avoid possible safety accident, do not use the flash light on the people who need a high degree of attention.

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.

II. Nomenclature



1. Reflection board
2. Wide-angle diffuser
3. Flash light's head
4. Battery chamber's cover
5. AF LED and optical control sensor
6. Locking ring
7. Hot shoe stand
8. Hot shoe pin

9. LCD panel
10. +/- buttons
11. Power switch
12. Mode switch buiton
13. PC port
14. Charging indicator
15. Test button

LCD panel description

16. Mode indicator
17. Output EV indicator
18. Flash head manual zoom indicator
19. Flash head zooming indicator
20. Read-curtain indicator
21. AF LED switch indicator
22. Power low indicator
23. Aperture indicator
24. Output level fine / Flash times or frequency indicator for Multi mode

III. 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.

IV. Basic Functions

1. Basic Operations

Operation of the button：

Component	Operation
[Power Button]	Power switch of the flash light. The power of the flash light can be opened or closed by pressing this button for 2 seconds. It is suggested that the battery shall be taken out after the power of the flash light is turned off through this button.
[Mode Switch Button]	The mode of the flash light will be switched among the TTL/M/Multi/S1/S2 in circle for each press.
[Test Button]	Press the test and the flash will output the brightness.
[+]and[−]button	Under the TTL mode, the exposure compensation can be adjusted through this button
	Under the M, Multi, S1 and S2 modes, the output power of the flash light can be adjusted through this button Under the Multi mode, this button can also be used to adjust the time of the frequency flash and the frequency. Please refer to the section of Multi mode.
[Mode Switch Button]+[ON/OFF]	Please press the [Mode Switch Button] first for a while and then press [ON/OFF] button. The switch of the focus light will turn on or turn off for each press.
[Mode Switch Button]+[+]	Please press [Mode Switch Button] first for a while and then press [+]. The head focus of the flash light will switch among the among the (auto/24 /28 /35 /50 /70 /85)mm in circle for each press

Status and 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 green light blinks.	The flash light is locked due to low battery.	Replace the batteries.
The red and green lights blink alternatively.	The flash light is locked to prevent overheating due to frequent flashing.	Wait for about 3 minutes to cool the flash light.

2. Power-on and Power-off

Turn the switch knob clockwise to turn on the flash light power supply; at the same time, the flash light is set as TTL mode, the charging indicator is green and it will turn to red after the charge is finished many seconds later, which indicates the flash is

available. Continue turning the knob to make the flash light enter M mode and adjust flash power.

If the charging indicator keeps green for more than 20 seconds, the flash will power off automatically.

After use, the power of the flash light can be closed by pressing this button for 2 seconds.

3. TTL Mode

In this mode, the metering system of this camera will detect flash illumination reflected back from the object so as to automatically control flash output. When taking photos, you only require aiming at some scene and press the shutter after focusing, the light will give proper light as per tips and then you can get your desired photo.

In the TTL mode, you can also make compensation of flash brightness with the [Output control knob] within the range of +3ev, with the precision of 1/3ev.

4. M Mode

In this mode, you can set flash luminance as per your favorite via 【+】and 【−】buttons. When taking photos, you only require setting the flash luminance, adjust the camera and press the shutter, the flash light will flash under the camera synchronous signal.

5. Multi Mode

The Multi mode is the strobe/flash mode. Under this mode, the flash light will output the power, flash frequency and time flash you have set. The power can be adjusted by [+] and [-]. The adjustment scope of the output power is 1/128-1/64-1/32-1/16-1/8-1/4. If you want to adjust the flash time and flash frequency, please press [+] once firstly and the output power will shine. Press [Mode Switch Button] that is the MODE button under this status, the flash time will shine. The flash time can be adjusted at this time by pressing [+] and [-]. Then press [Mode Switch Button] again, the flash frequency starts to shine. The flash time can be adjusted at this time by pressing [+] and [-].

NOTE: The charging speed of the flash light 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. S1/S2 Mode

Press the [MODE] button, then the flash will enter S1/S2 mode. These modes are applicable for slave flash in order to create many light effects. They are respectively applicable for manual flash environment and TLT flash environment.

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 preflight function and the red-reduction function with multiple flashes should not be used.

S2 mode is similar to S1 mode, but it can support the master flash in TTL mode. In particular, if S1 mode cannot have correct and synchronous flash with the inbuilt flash, you can try to use S2 mode.

7. Test Flash

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

In M/S1/S2 mode, press the PILOT button and the flash light will send light with different luminance as per levels of output power selected.

8. Power-saving Function

In TTL/M/MULTI mode, if idle for about 30min, the flash will power off automatically.

In S1/S2 mode, if idle for 60mins, the flash will power off automatically.

9. Overheating 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 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.

10. Auto Zoom

When the flash light is mounted on the camera system supporting i-TTL, the flash light tube will move forward and backward with the changes of lens focus to suit different illumination zones.

Note: Auto Zoom does not support full frame camera system, but you may pull out the wide-angle diffuser to avoid vignetting in photos.

11. Set the focus position of the light head manually

The focus position of the light head can be set manually be pressing [Mode Switch Button] + [+]. Please press the [Mode Switch] button for a while and then press [+] button.

The light head focus of the flash light will switch among the (auto/24 /28 /35 /50 /70 /85) in circle for each press.

12. PC synchronous port(for input)

By connecting to the PC synchronous port, you can make the flash synchronously

V. Advanced Application

1. Multi-lamp Lighting Application

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

Place speedlite in different directions.

In outdoor application, radio signals can be reflected by walls; therefore, the placement of the slave flash should have more space.

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.

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

2. Exposure Bracketing (FEB)

The FEB function is set on the camera. For the specific setting method, refer to your Camera Instructions. After the FEB is set, after 3 photos are taken, exposure compensation will be made automatically in the sequence of, for example, "normal → under → over". This function helps you improve the success rate of photo taking.

3. FV Lock

Set the AE-L/AF-L function as FV Lock on the camera before using this function. At this time, you can aim at your desired object in the viewfinder and then press the AE-L key or AF-L key, in such case, the flash light will pre-flash to get the reading of flash exposure for the object; after you have confirmed the scene frame, press the shutter. (This function can only be available when your camera supports it; for the setting of AE-L and AF-L, refer to your camera manual)

4. 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. (For the rear-curtain sync setting, refer to your camera manual for setting)

5. Application of AF LED

If the object or environment lacks sufficient light, the camera can not conduct accurate focusing; at this time, the flash light can give out AF light to assist in the camera's focusing so as to achieve accurate focusing.

6. Exposure Compensation

You can use the exposure compensation function of this camera to compensate flash output so as to make shooting effect better meet your requirements.

In the TTL mode, you can also make compensation of flash brightness with the [Output control knob] within the range of +3ev, with the precision of 1/3ev.

7. 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 in order to get efficient reflection; if the reflection surface is not white, color cast may appear in photo.

8. 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°.

9. 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.

Note: When this product is used in incompatible iTTL camera, Functions 2, 3, 4, 5, and 6 are not available.

VI. Specifications

Guide number	33
Circuit design	Insulated Gate Bipolar Transistor (IGBT)
Flash mode	TTL,M, Multi, S1, S2
Zoom range	Auto, 24, 28, 35, 50, 70, 85 mm
Vertical rotation angle	-7~90 degrees
Horizontal rotation angle	0~270 degrees
Power Supply	4×AAsize batteries (Alkaline or Ni-MH are enable)
Lighting times	100~1500 times (AA alkaline cell used)
Recycle time	less than 3s (AA alkaline cell used)
Color temperature	5600k
Flash time	1/800s~1/20000s
Flash control	TTL auto flash or manual Level 8 light quantity output control with 0.3 step increment
Additional features	FEB, FEC, FEL, Automatic zooming, Rear-curtain Sync
Dimensions	60×72×172 mm(extended state)
Net weight	380g
Accessories	Flash light (1), protecting bag (1), and mini stand(1) and manual (1)

VII. Possible problems during use and solutions

1. The AF LED is not on? Check if this camera needs flash light assist AF or if it supports the function; some cameras requires focusal points to be in the center, focus method to adopt AF-S and requires dark environment; check if some settings in the camera are forbidden.

2. 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.

3. Vignetting appears in photos or only part of the subject is illuminated? This product has a designed light head zoom range of 24-85 mm, and is currently not compatible with full frame camera system. You may pull out the wide-angle diffuser to widen the flash range.

4. Because of differences among various models of cameras and different personal preferences, the use of this product may cause the whole overexposure or underexposure; please try to make adjustments by the camera flash compensation or exposure compensation settings.

5. You may feel the flash control panel is dim, because there is one protective film on the panel; you can tear it away to enjoy a clear visual effect.

6. 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 abnormity continues, replace the batteries.

7. 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 neck or avoid outdoor use.

8. The S1 and S2 lead flash without the camera failed? The following situation shall be avoided when the S1 and S2 modes are used: the wireless touch sensor is directly shined under the sun, the red eye reduction function of the main light is used, the order mode (Nikon) or wireless mode (Canon) of the main light is used, the S1/S2 is used as the flash controller.

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