



# YN568EX II

## USER MANUAL

Before use, please READ this user manual carefully in order to ensure your safety. Keep it properly for reference in the future.



## **I.Warning**

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

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

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, heats or smokes.

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

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

## **II.Features**

### **● SUPPORTS MASTER TTL FLASH**

Master TTL wireless led flash function, supporting to led YONGNUO EX series flashes, 600 EX - RT, 580 EX II, 430 EX II and EX series flash.

### **● SUPPORTS HIGH-SPPEED SYNC FLASH**

With high-speed sync (FP flash), the YN568EX II can synchronize with all shutter speeds, the maximum shutter sync up to 1/8000.

### **● COMPATIBLE WITH N's and C's WIRELESS FLASHING SYSTEM**

One YN568EX II is able to respectively accept internal flashing of YN568EX II, 580EX II, SB-910/900/800/700 7D/60D/600D, C order of N's internal flashing and wireless signal of SU-800 及 ST-E2,supports 4 channels,achieves external TTL and manual flashing.

### **● LARGE-SIZE LCD DISPLAY**

Flashing function can be checked and set on a more clearly and visually and can be used more conveniently by Large-size LCD display.

### **● GN58@ ISO100, 105mm**

YN568EX II is new range of speedlite with high index support TTL, M, Multi flashing model.

### **● MULTIPLE TRIGGER MODE SUPPORTED**

YN568EX II can be triggered by the camera set-top, built-in or master control flashing command, S1 and S2 pre-flashing.

### **● EQUIPPED WITH ELECTRIC ZOOMING (24~105mm)**

The covered focal length can be varied between 24~105mm on the lamp adapter by operating the zoom button on

the flash light.

- **COMPREHENSIVELY SUPPORTS TTL FUNCTIONS**

HSS, FEC, FEB, Rear-curtain sync, FE lock, Modeling Light, Canon camera menu accessible.

- **REMOTE WIRELESS TRIGGER INDUCTION**

The YN568EX II supports remote wireless trigger function, which makes the Sc/SnS1/S2 mode can be used in outdoor environment and the wireless trigger distance is up to 15 meters.

- **SOUND PROMPT SYSTEM**

When the sound prompt system is enabled, different sound modes will prompt different working conditions of the speedlite so as to allow you to focus on shooting process (Note: the sound can be turned of).

- **EQUIPPED WITH 2.5mm PC SYNCHRONOUS INTERFACE**

YN568EX II is equipped with 2.5mmPC synchronous interface which allows you easier on lightening the speedlite synchronously by using PC synchronous line.

- **HIGH SPEED RECYCLING SYSTEM**

The recycling time for full output just takes 3 seconds; you can get high speed current-return experience even without using brand new batteries, which will only takes 4~5 seconds.

- **ADVANCED OPTION SETTINGS**

YN568EX II is equipped with advanced options setting function, where you can self-define the functions of the speedlite on your own requirements.

- **AUTOMATIC SETTINGS SAVING**

YN568EX II can automatically save your current operating settings to convenient your next use.

### III. Quick Start

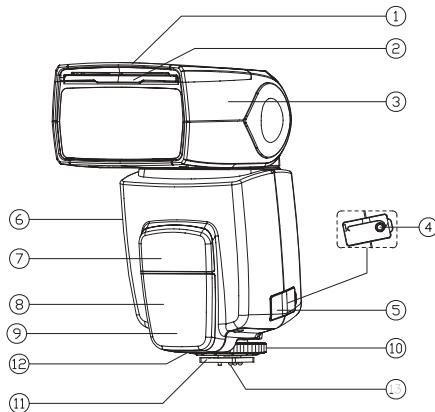
**If you don't have much time to read the whole user manual, we advise you to read this section.**

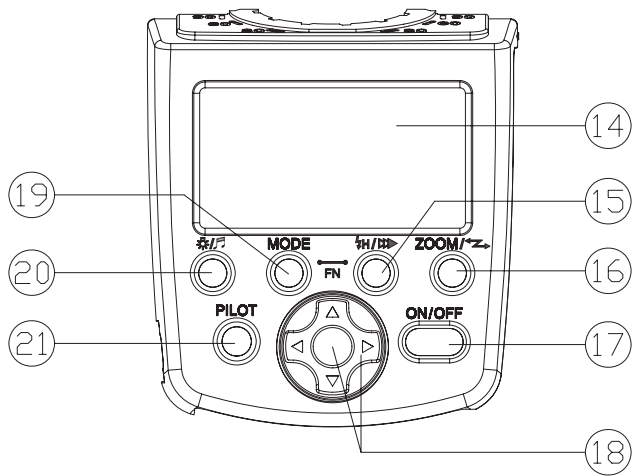
1. Please avoid the excessive use of the output with maximum power. It can effectively extend the service life of this product. (It is recommended that the speedlite should be idle for more than 3 minutes when entering the overheating protection.)
2. You can operate the respective buttons and observe the changes of the displayed content to understand their respective functions.
3. Press the [High-speed /Shutter curtain sync] button to select High-speed sync function.
4. Press [MODE] button to select TTL/M/Multi mode, holding [ZOOM] for a while, then choose [Left] [Right] button to select MASTER and SLAVE; SLAVE unit including Sc/Sn/S1/S2.
5. Operation of [ZOOM] and set button group can set up wireless flash parameters, such as light ratio, grouping A / B / C, and setting Channel 1/2/3/4 etc.
6. Press the [UP], [DOWN], [LEFT] and [RIGHT] buttons can quickly adjust the parameters of speedlite at the current mode. For some parameters, the central [OK] button is needed to be pressed several times to set.
7. Set the function of advanced options through [MODE] + [High-speed /Shutter curtain sync] buttons. See the section of “Advanced Setting” for the content.
8. This product provides remote TTL, M and Multi mode.

## IV. Components Discription

(Please familiar with this part carefully, allowing you to quickly familiarize with the product features)

1. Reflection board
2. Wide-angle diffuser
3. Flash head
4. PC port (for input)
5. Contact cover
6. Battery chamber's cover
7. Wireless trigger sensor
8. Remote indicator
9. AF-LED
10. Locking ring
11. Hot shoe stand
12. Sound port
13. Hot shoe contact





**14. LCD screen:** Display all functions and application setting of speedlite, convenient for users' examination and quick setting.

**15. High-speed /rear curtain synchronous button:** High-speed synchronous and Rear curtain sync function can be set by directly operating this button.

**16. ZOOM button:** Normal flash,directly operating the [ZOOM] button can adjust the zoom rang of lamp holder (auto, 24, 28, 35, 50, 70, 80, 105mm); Wireless Flash, a short press operating the [ZOOM] button to select the setting items,a long press to enter the state of the wireless settings.

**17. Power switch (ON/OFF):** Press this button for about 2 seconds to turn on or off the power of speedlite.

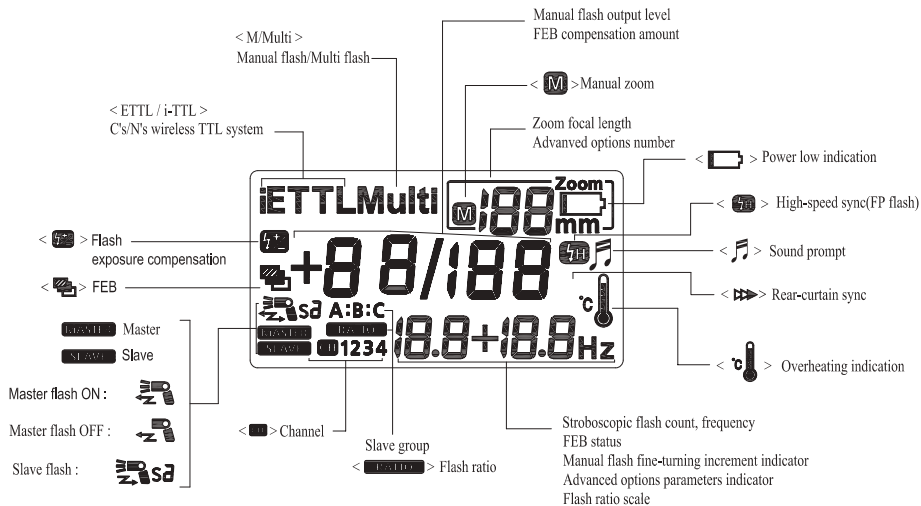
**18. Selection/setting button set:** Including the [Left], [Right], [Up], [Down] and central [Ok] button ; The [Left] and [Right] button can set exposure compensation, output power, advanced options parameter, stroboscopic flash times, stroboscopic flash frequency,etc; The [Up] and [Down] button can set exposure bracketing, fine brightness adjustment and advanced options number.

**19. Mode switch button (MODE):** Under the camera set-up state, flash mode shall switch between TTL/M/Multi with every pressing.

**20. Backlight/sound switch:** A short press will turned on or off LCD backlight; and sound prompt function of the speedlite shall be turned on or off by pressing this button for about 2 seconds.

**21. Charge indicator/Test button (PILOT):** Red lamp indicates charging is completed and flash can be made; green lamp indicates charging is being on, and press this button (PILOT), the speedlite will emit test flash.





## V. Installation Instruction

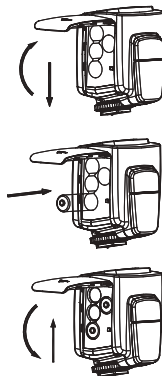
### 1. Install Batteries

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

Insert the batteries according to the label inside battery chamber and make sure the direction of the batteries' polarity is correct.

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

Note: Please use four standard specification AA batteries. To avoid circuit please do not use damaged batteries.



### 2. Attaching to the Camera

Loosen the locking ring by rotating 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 rotating it in the opposite direction.



## VI. Basic Functions

### 1. Basic operations

#### Button Operation:

| Parts                                 | Operation                                                                                                                                                                                                                                                                                                                                                       |
|---------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| [ON/OFF]                              | Turn on or off the power of speedlite by long pressing this switch.<br>It is recommended to take out the batteries after turning off the power of the speedlite.                                                                                                                                                                                                |
| [MODE] button                         | In the state of set-top, the flash mode will switch between TTL/M/Multi with every pressing.                                                                                                                                                                                                                                                                    |
| [Backlight/Sound] button              | LCD backlight can be turned off by short pressing this button; And the sound prompt function can will be turned on or off by pressing this button for about 2 seconds.                                                                                                                                                                                          |
| [High-speed/rear curtain sync] button | When using the set-top, the speedlite will switch between high-speed and rear curtain sync with every pressing; And the button is together with the [MODE] button set for FN advanced options.                                                                                                                                                                  |
| [ZOOM] button                         | For normal flash, zoom range (auto, 24, 28, 35, 50, 70, 80, 105mm) can be adjusted by short pressing the [ZOOM] button; For wireless flash, short pressing the [ZOOM] to choose the setting items, while long pressing to enter wireless setting state.                                                                                                         |
| Selection/ setting button set         | Including the [LEFT],[RIGHT], [UP], [DOWN] and [OK] buttons; The [LEFT] and [RIGHT] can set exposure compensation, output power, stroboscopic flash times, stroboscopic flash frequency, advanced options parameter and the related options of wireless flash and etc. The [UP] and [DOWN] can set FEB, fine brightness adjustment and advanced options number. |
| [PILOT] button                        | Flash output brightness can be tested by pressing this button.                                                                                                                                                                                                                                                                                                  |

### Meaning of [Charging indicator]

| Statues of [Charging Indicator] | Meaning                                              | Method                              |
|---------------------------------|------------------------------------------------------|-------------------------------------|
| The red light is lit            | The speedlite is fully charged and can be used.      | Normal                              |
| The green light is lit          | The speedlite has not been fully charged.            | Waiting for completion of charging. |
| Then green light blinking       | Low battery and the speedlite is about to shut down. | Please replace new batteries.       |

### The meaning of [Sound Prompt]

| The Sound Form            | Meaning                                                                  | Method                                                                                  |
|---------------------------|--------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|
| Tick twice                | The sound indicator is enabled; the speedlite is started or flash is ok. | Normal                                                                                  |
| Three tick, two times     | The exposure maybe excessive                                             | Adjust exposure compensation or change shooting condition                               |
| Tick tick tick            | The exposure may be insufficient                                         |                                                                                         |
| Tick-tick Tick-tick twine | a. The speedlite is in the charging<br>b. Overheating protection state   | Waiting for completion of charging ; Idle 3-5 minutes for overheating protection remove |
| Tick-a long sound         | The speedlite is fully charged, and can be used.                         | Normal                                                                                  |
| Tick-tick-tick            | The power is not enough and the speedlite is going to be shut down.      | Replace the batteries                                                                   |

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

The power of the speedlite can be turned on or turned off by long pressing Power Switch the [ON/OFF] button. It is suggested that the batteries should be taken out after power of speedlite is turned off though this button.

After turning on the power of the speedlite, the charging indicator is red, which indicates the speedlite is available. If the charging is not completed within 20 seconds, the low power indicator will with green light blinking; and speedlite will automatically shutdown, indicating it need to be replaced with new batteries.

You can press the [PILOT] button to test whether the speedlite works normally.

After use, turn off the speedlite by long pressing the [ON/OFF] button.

## **3. ETTL Mode**

In this mode, the metering system of this camera will detect flash illumination reflected back from the object so as to automatically adjust flash output, and HSS, FEC, FEB, FEV, Rear-curtain, Modeling light, and CANON camera menu accessible is supported.

You can set exposure compensation for flash by pressing the [ + ] [ — ] buttons, the flash exposure compensation amount can be set up to  $\pm 5\text{EV}$  in 1/3-stop precision.

## **4. M Mode**

In M mode, you can set flash brightness according to your preferences, and adjust flash brightness by the [Left], [Right], [Up] and [Down] button. Adjustment range of flash brightness is 1/128~1/1, and the brightness can be divided into 8 grades, each has maximum three grades for fine adjustment, and takes mixing grade 0.3EV, 0.5EV or 0.3/0.5EV as adjustment increment, totally 29-grade fine adjustment at most; adjust whole grade brightness with

the [Left] and [Right] button, and make fine adjustment with the [Up] and [Down] button, and the adjustment result will be shown on the LED screen. When shooting, you only need to set flash brightness, adjust the camera and press the shutter; the speedlite will flash according to the sync signal of the camera.

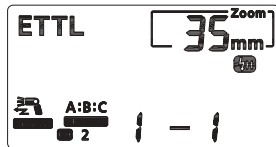
## 5. Multi Mode

In Multi mode, a rapid series of flashes is fired. The speedlite will flash according to the output power, flash times and frequency you set. Use the [LEFT] and [RIGHT] buttons to adjust output power, flash times and frequency. The adjustment scope of output power is 1/128-1/64-1/32-1/16-1/8-1/4, the scope of flash times is from 1 to 100, and the scope of flash frequency is from 1 to 100. Adjustment method: Please press the [OK] button to select setting items (flash) and use the [LEFT] and [RIGHT] buttons to adjust the flash times. After the setting is completed, press the [OK] button to confirm the setting. The flash frequency will begin to flash, use the [LEFT] and [RIGHT] buttons to adjust the flash frequency.

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

## 6. Master flash

Long press the [ZOOM] button to enter Wireless flash setting state, with the Wireless flash icon and “oF” blinking. Then operate [LEFT] and [RIGHT] buttons to choose master control MASTER and confirm by pressing the [OK]. This moment LCD display MASTER, frequency CH 1/2/3/4 and light ratio



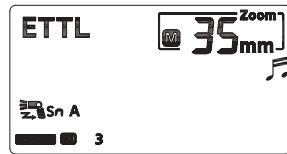
group.

It supports TTL/M/Multi flash modes in the state of master unit's flash, switch by operating the [MODE] directly; Set the zoom, channel CH, light ratio, exposure compensation exposure bracketing, output level and so on through the [ZOOM], [LEFT],[RIGHT],[UP],[DOWN] and [OK] to set.YN568EX II master flash support led flash of YONGNUO EX series,such as YN568EX II,YN568EX,YN565EX,YN560EX,YN500EX,etc.

## 7. Sc/Sn and S1/S2 Mode

Enter the wireless status by long pressing the [ZOOM], then operate the [LEFT] and [RIGHT] buttons to choose SLAVE, SLAVE unit including Sc/Sn/S1/S2, all of these four modes shall be applied as off-camera dependent unit in order to create multiple lighting effects.

**Sc/Sn** mode can separately accept internal flashing of YN568EX II, 580EX II,SB-910/900/800/700, 7D/60D/600D built-in flash, Nikon camera C-command, SU-800 and ST-E2 wireless signal, supporting 4 channels and realizing TTL and manual wireless flash. When using Sc/Sn and S1/S2 mode, wireless trigger sensors can be adjusted to face master lamp by rotating speedlite holder. Before shooting, slave unit and master unit should be set at same communication channel. Setting method: Operate the [ZOOM] button to select CH flash, then choose 1/2/3/4) by pressing the [LEFT] and [RIGHT] buttons. In Sc/Sn mode, brightness of slave unit speedlite will be totally

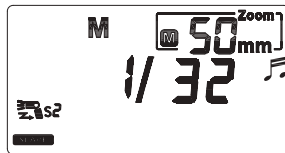
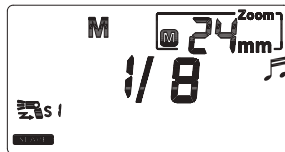


controlled by master unit.

**S1 and S2** modes are suitable for MANUAL flash environment and TTL flash environment respectively. Under these two modes, the way to adjust the output lumen is like that in M mode only by operating the [LEFT] and [RIGHT] buttons.

**S1 mode:** In this mode it will work with the first lash synchronously of the master flash, with the result consistent with the use of radio slave. To use this mode properly, 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:** 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 synchronically 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 main light is used; the ST-E2 is used as the flash controller. **Otherwise, please set the speedlite to Sc/Sn mode.**



## **8. Menu Access of Camera (only for the newer Canon models)**

You can control the speedlite by accessing to camera menu on the newer Canon models which support ETTL. on the Flash Control Menu, you can set relevant parameters through “External flash func. setting” and “ External flash C. Fn setting”, for example, Flash mode, Shutter sync., FEB, Flash exp. comp, Zoom, Wireless set., and advanced setting etc.

## **9. Test Flash**

No matter in which mode, you can press the [PILOT] button to test if the speedlite flash normally. When testing the flash, the speedlite will give flash at relevant output level in accordance with the chosen output power setting.

## **10. Power Saving Mode**

YONGNUO designs a power saving mode for YN568EX II, and the mode can be achieved by setting advanced options function, such as <SL Sd 10>. Operate the [Backlight/voice switch]+[MODE] buttons to enter into setting state, and then select the option numbered 01 with the [Up] and [Down] buttons, and set the state to be SL EP - - with the [Left] and [Right] buttons, “Automatic power off” will be closed, and when the state is set to be SL EP on, “Automatic power off” will be enabled.

Power saving modes set by advanced option are as following:

| <b>Fn NO.</b> | <b>Scope of Application</b> | <b>Options</b>               | <b>Power Saving Mode</b>                                                                                                                                                         |
|---------------|-----------------------------|------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 01<br>SL EP   | All modes                   | - -                          | Power saving mode is turned off                                                                                                                                                  |
|               |                             | on                           | Power saving mode is turned on                                                                                                                                                   |
| 10<br>SL Sd   | Sc/Sn/S1/S2                 | 10                           | Power automatic off the slave unit is 10 minutes                                                                                                                                 |
|               |                             | 60                           | Power automatic off the slave unit is 60 minutes                                                                                                                                 |
| 11<br>SL OF   | Sc/Sn/S1/S2                 | 1H                           | Slave auto power off cancel within 1 hours                                                                                                                                       |
|               |                             | 8H                           | Slave auto power off cancel within 8 hours                                                                                                                                       |
| E1<br>SE OF   | Set-top flash               | 3/5/10/30/1H/<br>2H/3H/4H/5H | Sleep after idle time of 3minutes/5 minutes/30 minutes/1 hour/2 hours/3hours/5hours.After it enters the sleep state, it powers off automatically after keeps the same idle time. |

## 11. Overheating Protection

If the speedlite is used too frequently, the overheating protection function will be triggered; the OVERHEATING indicator will be displayed on LCD panel. And the speedlite will be locked. In such case, please wait for about 3 to 5 minutes before continuing use. Please try to use 1/4 output or lower when rapidly shooting is needed to prevent the effect on the shooting.

Note: when continuous shooting, the charge indicator will be warn by a red light flashing as the flash internal temperature rises to a certain value;At this time, the flash recycling time will be extended, and it is recommended to appropriately reduce the use intensity of the flash.

## 12. ZOOM Setting the Flash Coverage

**Auto Zoom:** Press the [ZOOM] button to adjust the flash coverage, if <M> is not displayed, the flash coverage will be set automatically (35mm for default coverage). Attaching the speedlite to the camera, the flash coverage will set automatically to match the lens focal length.

**Manually set the zooming position:** Press the [ZOOM] button to adjust the flash coverage, if <M> is displayed, you can adjust the flash coverage manually. Setting method: Ordinary set-top, the flash coverage can be adjusted directly by pressing the [ZOOM] button; While using the main control unit, press the [ZOOM] button, then setting the zoom range by pressing the [Left] and [Right] buttons.

**NOTE:** Using wide-angle-diffuser, the flash coverage will be extended to 14mm.

## 13. Sound Prompt

When the sound prompt function is enabled, the speedlite will give out different sound to indicate the working state. See the following table for the meaning of sound :

| The Sound Form        | Meaning                                                                  | Method                                                    |
|-----------------------|--------------------------------------------------------------------------|-----------------------------------------------------------|
| Tick twice            | The sound indicator is enabled, the speedlite is started or flash is OK. | Normal                                                    |
| Three tick, two times | The exposure maybe excessive                                             | Adjust exposure compensation or change shooting condition |
| Tick tick tick        | The exposure may be insufficient                                         | Adjust exposure compensation or change shooting condition |

|                           |                                                                        |                                                                                               |
|---------------------------|------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|
| Tick-tick Tick-tick twine | The speedlite is in the charging;<br>Or overheating protection state.  | Waiting for completion of charging ;<br>Idle 3-5 minutes for overheating<br>protection remove |
| Tick-a long sound         | The speedlite is fully charged, and<br>can be used.                    | Normal                                                                                        |
| Tick-tick-tick            | The power is not enough and the<br>speedlite is going to be shut down. | Replace the batteries                                                                         |

#### **14. PC Sync port (for input)**

By connecting to the 2.5mm PC sync port, you can make the flash synchronously.

#### **15. Automatic Setting Saving**

The speedlite will automatically save the current settings, which convenient to your next boot.

### **VII. Wireless Flash System**

YN568EX II is fully support wireless flash system, equipped with master and slave function. It can trigger the YONGNUO EX series flash when it acts as master control unit. One YN568EX is able to respectively accept internal flashing of YN568EX II, 600EX-RT, 580EX II, 7D/60D/600D, ST-E2, SB-900/800/700C, C-commander of N's build-in flash to achieve wireless TTL and manual flashing.

**Sc:** Indicating that it can only receive wireless signal from Canon system, avoiding Nikon system.

**Sn:** Indicating that it can only receive wireless signal from Nikon system, avoiding Canon system.

Any flash exposure compensation, FEB, FE lock, manual flash, and stroboscopic flash settings set by the master unit will be automatically transmitted to the slave unit.

Even with multiple slave units, all of them will be received from the master unit in the same way via wireless signal.

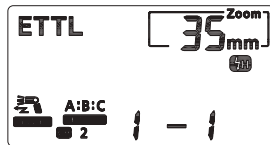
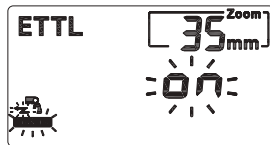
## 1. Master Unit Setting

Long press YN568EX II the [ZOOM] button for about 2 seconds until the LCD wireless icon display and flashing, then set the master unit MASTER by [Left] and [Right] button.

At this time, short press the [ZOOM] can choose to set the zoom, channels and flash ratio, short press the [OK] can to set light ratio (8:1 - 1:1 - 1:8), C group exposure compensation, etc. These settings can be achieved by pressing the [Left] and [Right] buttons.

Master unit is TTL mode, directly set the exposure compensation by operating the [Left] and [Right] buttons, [up] and [down] buttons to set the exposure bracketing.

Note: In the process of operating the [up] and [down] buttons to set the exposure bracketing, light ratio will not display. Light ratio will resume to show after setting and confirming; C grouping exposure compensation will be displayed in the setting process, while not displayed after setting and confirming.



## 2. Slave Unit Setting

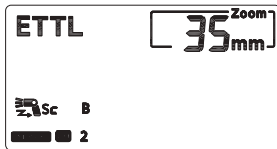
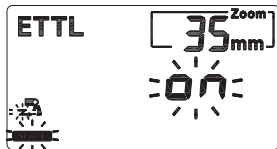
Based on the above description about master unit setting, then set the slave unit MASTER by the [Left] and [Right] buttons.

Take YN568EX II as slave unit, using Sc/Sn, by short press the [ZOOM] to select zoom, channel and grouping options, then set its parameters by the [Left] and [Right] buttons.

The slave unit of YN568EX II supports Sc/Sn/S1/S2, The slave unit Sc / Sn is equipped with 3 packets (A, B, and C) respectively and four communication channels (1,2,3,4).

Note: Take YN568EX II as slave unit, you can also use the other master unit to lead flashing, such as 600EX-RT, 580EX II, 7D/60D/600D internal flash, SB-910/900/800/700, C-commander of N's build-in flash, SU-800, ST-E2;

Related setting methods please refer to the instruction manual of the master unit



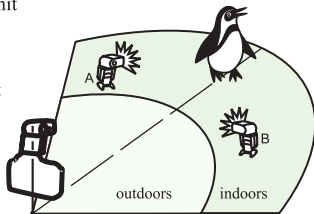
## 3. Multi-Speedlite, Wireless Lighting Configurations

You can create two or three slave groups to make better shooting effect to meet your requirements, and the flash ratio, manual flash output, stroboscopic

flash for TTL auto flash shooting are setting by the master flash.

### (1). Wireless flash of two slave units made up by YN568EX II

Wireless option setting: Sc/Sn for operation



Communication Channel setting: 1, 2, 3, 4

Groups setting: Set one YN568EX II as group A, and set the other one as group B.

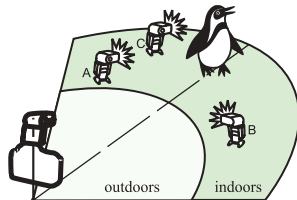
Master unit setting: Set the communication channel; Set the flash ratio of master unit A: B or A: B: C. You can conduct flash shooting.

## (2). Wireless flash with three YN568EX II speedlites

Wireless option setting: Sc/Sn

Channel setting: 1, 2, 3, 4

Groups setting: Set three YN568EX II speedlites as group A, group B and group C respectively.

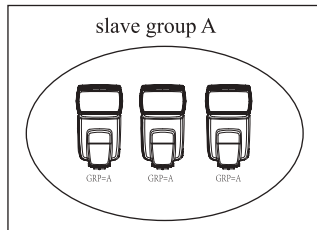


Setting master and shooting: Setting communication channel; The master control unit of the flash ratio as <A: B C>.

Press the test button of master unit to test whether the flash works normally or not; if the flash does not fire, adjust the slave unit's angle toward the master unit and distance from the master unit.

**NOTE:** If ratio <A: B> is set, the slave unit in group C will not fire.

If you have set the three slave units to slave group <A>, all the three slave units will be controlled by one speedlite in slave group A.



#### **4. Manual Flash and Stroboscopic Flash with Wireless**

When setting YN568EX II as slave unit, it can support manual flash and stroboscopic flash.

Manual flash: Just set the master unit to manual flash mode, and set the power output of the flash.

Stroboscopic flash: Just set the master unit to stroboscopic flash mode, and set the power output, number of flashes, firing frequency and relevant parameters.

#### **5. Shooting Examples with Wireless Flash System**

**Master unit:** YN568EX II, 600EX-RT, 580-II, SB-900/800/700, 7D/60D/600D with built-in flash, C-commander of Nikon's, SU-800 and ST-E2.

**Slave unit:** YONGNUO EX series flash with slave unit flash function, which can be created three slave groups at most.

Use the mini flash stand (tripod socket provided) to prop up the slave unit.

Rotate the slave unit to make its wireless sensor face the master unit.

Indoors, the wireless signal can also be bounce off the wall so there is more leeway in positioning the slave unit(s).

After positioning the slave unit(s), be sure to test the wireless flash operation before shooting.

Do not place any obstacles between the master unit and slave unit(s). Obstacles can block the transmission of wireless signals.



## VIII. Advanced Applications

### 1. High-speed sync Flash

With high-speed sync (FP flash), the YN568EX II can be synchronized with all shutter speeds, the maximum shutter sync is up to 1/8000. High-speed synchronization is particularly convenient to use aperture priority to fill flash portraits. Setting method: Press the [High-speed /rear-curtain sync] button to turn on or off the high-speed synchronization function.

### 2. Remote Wireless Flash

YN568EX II can receive remote wireless signal. The longest distance used indoors is up to 25 meters and up to 15 meters used outdoors.

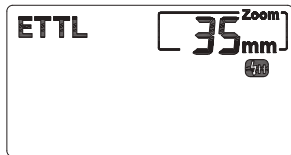
Please note that the wireless sensor of the slave unit should be face to master unit, and make sure that it is located within the effective range of transmission of the master unit.

NOTE: In the application of wireless flash system, when it is in Sc/Sn mode, the flash level of the slave unit is completely controlled by master unit.

### 3. Flash Exposure Compensation

In order to make the shooting effect more suitable to your needs, you can set the flash exposure compensation through the camera or set on the flash. The exposure compensation value is within the range of  $\pm 5\text{EV}$ .

Ordinary set-top with the master flash, you can adjust the compensation exposure value with the [LEFT] and [RIGHT] buttons on the YN568EX II. Every press of the button, the compensation value will be display on LCD



panel.

**NOTE:** For Canon version, please note that this compensation setting will overlap the exposure compensation setting on the camera.

#### **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). You can turn on or off the rear-curtain sync by pressing the [High-speed /rear-curtain sync] hotkey on panel of YN568EX II.

**NOTE:** When YN568X II is used as wireless flash, the rear-curtain sync function cannot be set.

#### **5. Exposure Bracketing (FEB)**

The FEB function is set through the camera or speedlite. After the FEB is set, after every 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. Setting method on YN568X II :Through the [up] and [down] buttons can directly control surrounded exposure value

**NOTE:** For FEB, set the drive mode of camera to “single shooting”; Be sure the flash is ready before shooting.

#### **6. FE Lock (Canon)**

To use this function, cover the subject for which flash exposure will be locked at the center of the viewfinder of camera, press the button <\*> of the flash exposure lock, and the flash light will pre-flash and the camera will calculate the appropriate flash output data. Now you have some time for recomposition, after it you can take photo. (The function can only be used when it is supported by your camera. For the setting method, refer to your camera manual.)

## 7. FV Lock (Nikon)

Set the AE-L/AF-L function as FV Lock on the camera before using this function. At this time, you can aim at the 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. (The function can only be used when it is supported by your camera. For the setting of AE-L and AF-L, refer to your camera manual).

## 8. Advanced Options Setting

YN568EX II is equipped with advanced options function, you can customize speedlite function as you need, set advanced options with button group of the speedlite or camera menu access. Setting method of the speedlite: Press the [Backlight/voice switch] and [MODE] at the same time to enter into the setting state of advanced options function, and the LCD screen will show setting items; For example: <SE of 3> means the application at the set-top, the speedlite will automatically sleep if it is idle for 3 minutes, and automatically power off if it is idle for another 3 minutes after sleep.

Advanced options function supported by YN568EX II is as following:

Fn NO.: 01

SL EP on: Auto power off is enabled

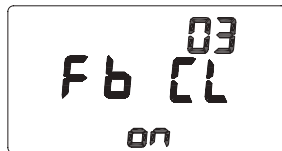
SP EP - - : Auto power off is disabled



Fn NO.: 03

Fb CL on: FEB auto cancel is enabled

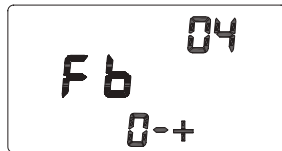
Fb CL - - : FEB auto cancel is disabled



Fn NO.: 04

Fb 0 - + : Sequence of FEB is "0→-→+"

Fb - 0 + : Sequence of FEB is "-→0→+"



Fn NO.: 08

AF on: AF-assist beam firing is enabled

AF - - : AF-assist beam firing is disabled



Fn NO.: 09

AP S A1: Automatic identification enabled

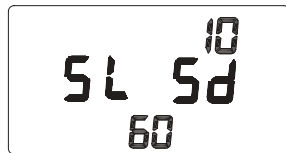
AP S - - : Disabled



Fn NO.: 10

SL Sd 10: Power automatic off of the slave unit is 10 minutes

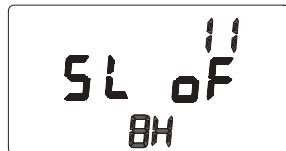
SL Sd 60: Power automatic off of the slave unit is 60 minutes



Fn NO.: 11

SL oF 1H: Slave auto power off cancel within 1 hours

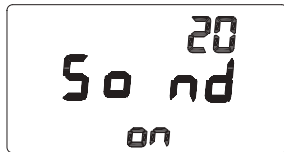
SL oF 8H: Slave auto power off cancel within 1 hours



Fn NO.: 20

So nd on: Sound prompt function is enabled

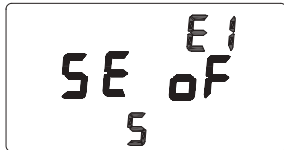
So nd - - : Sound prompt function is disabled



Fn NO.: E1

SE oF 3/5/10/30/1H/2H/3H/4H/5H: Keeping idle for 3/5/10/30 minutes or 1/2/3/4/5 hours will enter the dormancy mode, after it enters the sleep state, it powers off automatically after keeps the same idle time.

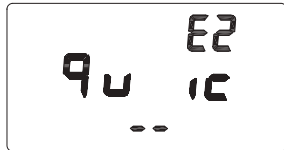
SE oF - - : NO dormancy, NO automatically turn off.



Fn NO.: E2

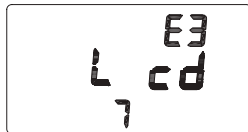
qu ic - - : Quick turn on / shut down function is disabled

qu ic on: Quick turn on / shut down function is enabled



Fn NO.: E3

L cd 7/15/30: The display time of LCD backlight is 7/15/30 seconds



Fn NO.: E4

I nc 0.3: 0.3ev for fine-tuning step in manual flash

I nc 0.5: 0.5ev for fine-tuning step in manual flash

I nc on: Mix 0.3EV and 0.5EV for fine-tuning step in manual flash



Fn NO.: E5

CL EA - - : Recover the default settings(long press [OK] button can restore the default Settings)



## 9. High-speed Continuous Shooting

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

Please note: The quantity of photos that can be continuous shot is related with the brightness setting. Please use the fully charged battery.

## 10. 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.

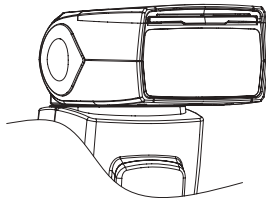
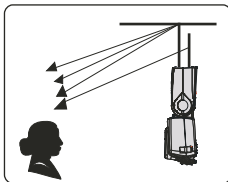
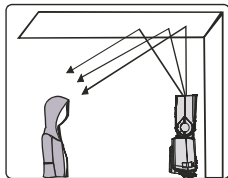
If the wall or ceiling is too far, the bounce flash may be too weak to get enough exposure. The wall or ceiling should be even and white in order to get efficient reflection; if the reflection surface is not white, color cast may appear in photo.

## 11. Use Reflection Board to Take Photos

With the reflection of board flash, pull out 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°.

## 12. 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 14 mm ,the flash range will be enlarged and the effect will be softer and more natural.





## IX. Specifications

|                              |                                                                                                                                                                                                                     |
|------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Circuit design               | Insulated Gate Bipolar Transistor (IGBT)                                                                                                                                                                            |
| Guide No.                    | 58 (ISO 100, 105mm)                                                                                                                                                                                                 |
| Flash mode                   | TTL, M, Multi                                                                                                                                                                                                       |
| Trigger mode                 | Set-top, Sc, Sn, 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                 | 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), 29levels of fine tuning External interface hot shoe, PC port                                                                                                                |
| Wireless triggering distance | 20~25m indoor, 10~15m outdoor                                                                                                                                                                                       |
| Additional features          | Master flash, High-speed sync, Rear-curtain sync, FEC, FEB, FEV, the electronic flash head zooming, sound prompt, automatically saving setting, PC port, power saving mode, over heat protection, advanced setting. |
| Dimensions                   | 60×73×190mm (Extended state)                                                                                                                                                                                        |
| Net weight                   | 350g                                                                                                                                                                                                                |
| Contains items               | Flash light (1), protecting bag (1), mini stand (1) and manual (1)                                                                                                                                                  |

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  |

## X. Possible problems during use and solutions

- 1. Please note when use the flash outdoors:** For outdoor application, please avoid direct sunlight to the wireless triggering sensor and ensure normal use of the flash.
- 2. Precaution for outdoor use of lambency umbrella:** The lambency umbrella mounted on the flash light outdoors may be blown down easily, and the hot shoe of the flash light may be broken. Please fix the mounting rack.
- 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. 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 abnormality continues, replace the batteries.

The electronic version of this manual can be got on [http://www.yongnuo.com.cn/usermanual/downloadIndex\\_en.htm](http://www.yongnuo.com.cn/usermanual/downloadIndex_en.htm)

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