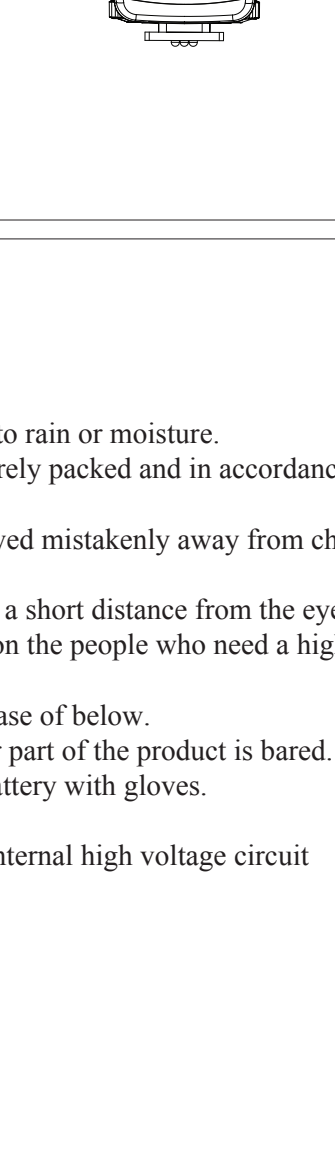


SPEEDLITE YN565EX USER MANUAL



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, be sure the batteries contacts are securely packed and in accordance with local provision when handling the batteries.
- Please place the batteries and the parts which can be swallowed mistakenly away from children.
- Contact a doctor immediately when it occurs.
- To avoid possible injury to eyes, do not use the flash light in a short distance from the eyes.
- To avoid possible safety accident, do not use the flash light on the people who need a high degree of attention.
- Please take out the batteries and stop using immediately in case of below.
- This product is dropped or shocked seriously and the inner part of the product is bared.
- If the battery leaks corrosive liquids, please take out the battery with gloves.
- The product gives off strange smell, smokes or heats.
- Do not disassemble or maintain this product. Touching the internal high voltage circuit will cause electric shock.
- Remove batteries during long periods of non-use.

II. Features

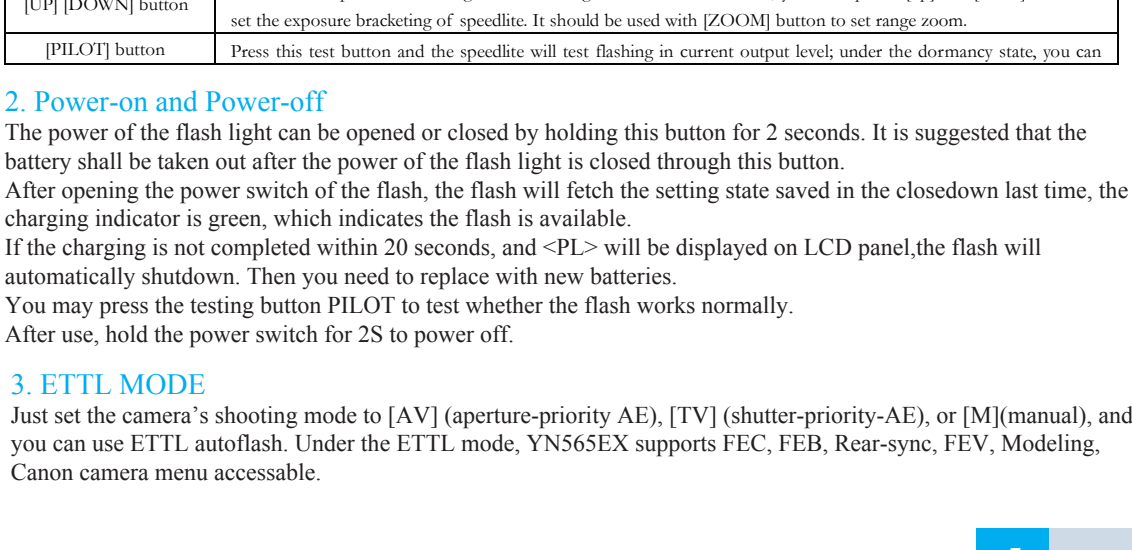
- AWL SUPPORTED FOR N's & C's SYSTEM**
The YN565EX can be triggered by 580EX II, SB-900/800/700, 7D/60D/600D, Nikon c-command and ST-E2, and flashes as TTL mode as well as M/Multi mode.
- TTL FLASH WITH LARGE GUIDE NUMBER**
GN58@ ISO100, 105mm, which reaches the level of the mainstream hot shoe flashes, supports TTL/Multi mode.
- ADVANCED TRIGGER MODE SUPPORTED**
The YN565EX can be triggered by hot-shoe, flash command slave mode, optical S1, and S2 (pre-flash-canceled mode).
- SUPPORTS AUTO/MANUAL ZOOMING**
The YN565EX covers a focal length range of auto, and 24 to 105mm, supports full-frame/half-frame camera.
- COMPREHENSIVELY SUPPORTS TTL FUNCTIONS**
FEC, FEB, Rear-curtain sync, Lock, Modeling Light, Canon camera menu accessible
- SUPER SPEED OF CHARGING RECYCLE**
It only takes 3 seconds to finish a charging cycle after a full level output, you can use external power pack to accelerate the charging speed once more.
- PROVIDES CHARGING SOCKET FOR EXTERNAL POWER PACK**
YN565EX provides charging socket for external power pack, to meet your higher demand for charging recycle.
- ADVANCED PROVIDED**
YN565EX provides PC port, you can make the flash synchronously by connecting to the PC port.
- SOUND PROMPT SYSTEM**
Turn on the sound prompt function, different sounds indicate working situations help you focus on shooting.
- MODELING LIGHT FUNCTION**
Press down the camera's depth-of-field preview button, the YN565EX will send out continuous flash lasting one second.
- FLASH SPEEDLINE IN M and MULTI mode**
The YN565EX supports advanced settings; you can customize the unit according to your shooting preferences.
- AUTOMATIC SETTINGS SAVING**
YN565EX can save the current settings automatically.
- LCD PANEL USER INTERFACE WITH SUPER GELIVABLE METAL HOT-SHOE STAND**

III. Quick Start

- If you don't have much time to read the whole user manual, we advise you to read this section.
- Please avoid the excessive use of the output with maximum power. It can effectively extend the service life of this product.
 - You can understand the function of each button by pressing them and observing the displayed content.
 - Keeping [ZOOM] button under pressed can enter off mode SL (c/n or c, n separately) /S1/S2.
 - Long press on [Fn] button to set the function of advanced option of speedlite. See the section of "advanced setting" for the content.
 - Operate the YN565EX through function setting of external speedlite on the menu of Canon camera.
 - Press the [UP], [DOWN], [LEFT] and [RIGHT] buttons to adjust the parameters of speedlite quickly at the current mode. For some parameters, the [OK] button in the center is required to be pressed for setting.
 - This product provides ETTL/M/MULTI mode. It can be switched through [MODE] button.

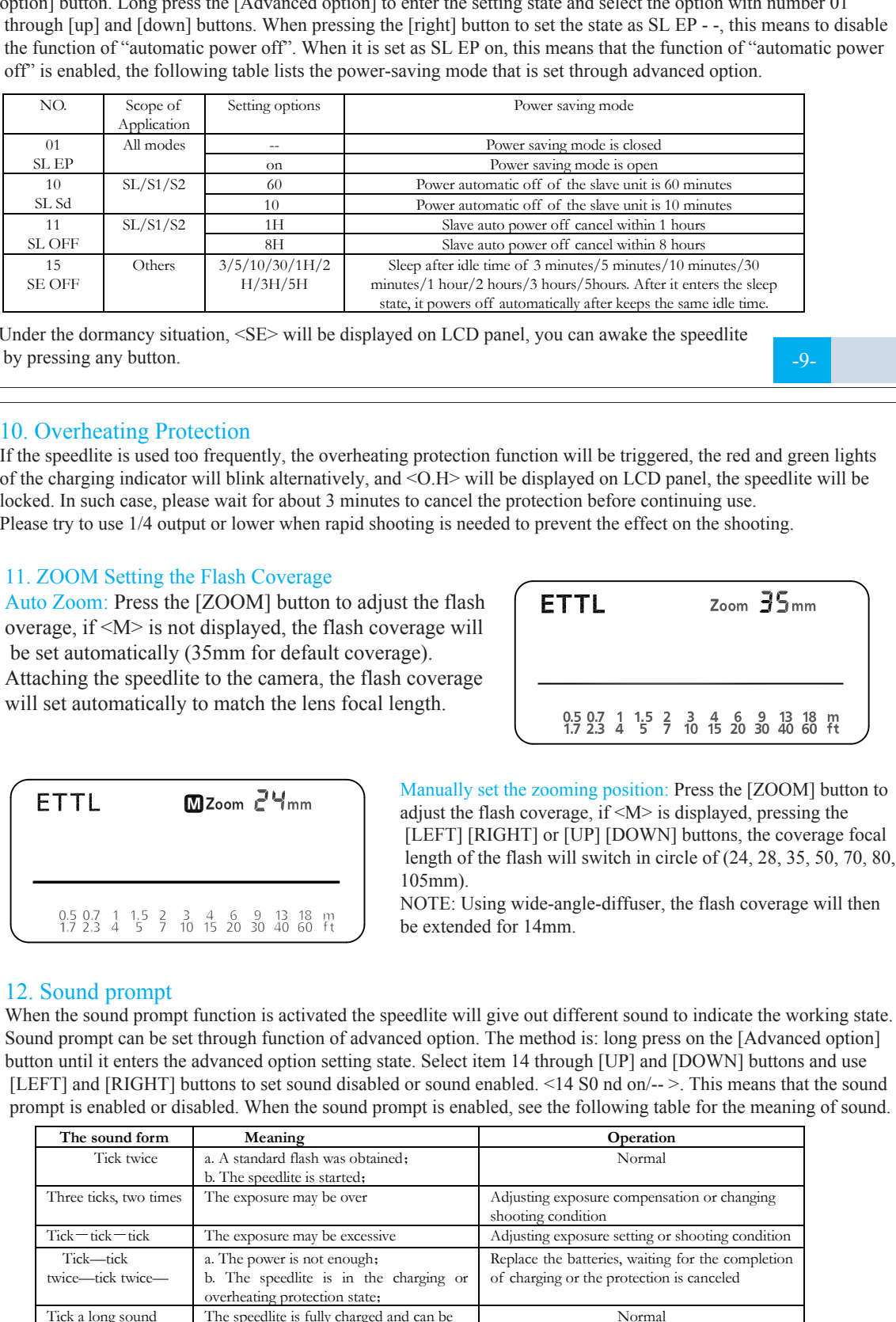
IV. Nomenclature

- Reflection board
- Wide-angle diffuser
- Flash head
- External power pack socket (It can be connected to the SF-18C or SF-17C external power pack)
- PC port (for input)
- Contact cover
- Wireless sensor
- Battery chamber's cover
- AI-assist beam emitter
- Locking ring
- Hot shoe stand
- Hot shoe contact
- Sound port



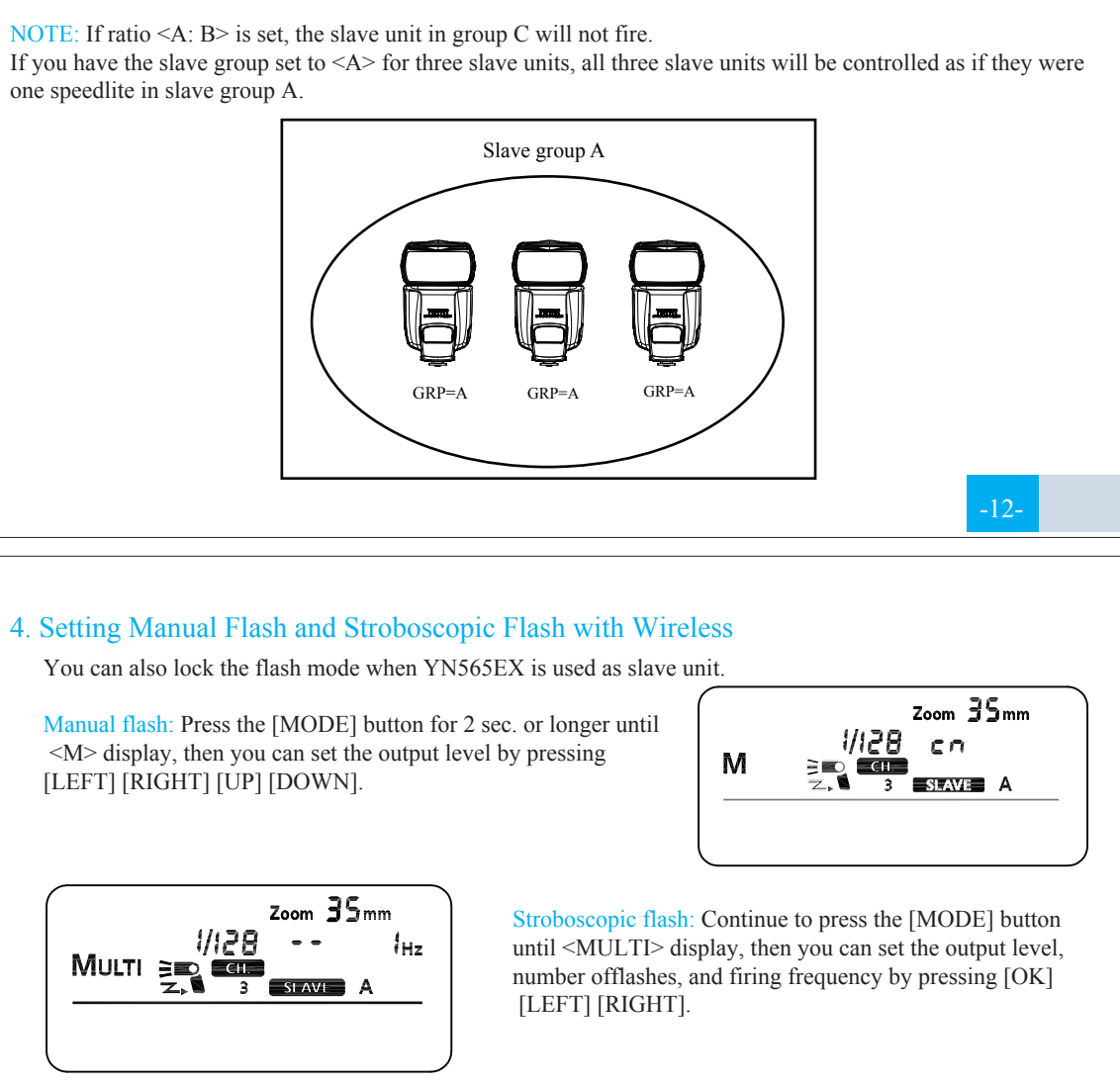
- LCD Panel**: It will display the status of function settings.
- Rear-curtain sync hotkey**: The speedlite will be switched between rear-curtain sync and front-curtain sync in circle for each press.
- Zoom button**: It is applied to set focal length coverage of speedlite and relevant parameters of slave unit. Use the [ZOOM] and [LEFT], [RIGHT], [UP], [DOWN] and [OK] button for operation.
- Power switch**: The power of the speedlite can be turned on or turned off by holding this button for 2 seconds.
- Select/Setting button group**: Buttons of multi functions include LEFT, RIGHT, UP, DOWN and OK buttons; you can adjust output, FEC, FEB, Stroboscopic flash mode, Stroboscopic flash frequency, zooming setting, slave units, channel and slave groups.
- Mode switch button**: Under the normal flash, the mode of the speedlite will be switched among the ETTL/M/MULTI in circle for each press; and under the wireless flash, long press on this button locks the speedlite in M and MULTI mode.
- illumination/advanced options button**: A short press will turn on or turn off the LCD panel illumination light, a long press on the button conducts advanced option setting of speedlite.
- Charging indicator / Test button**: The lighting of red light shows that charging process is finished and flash can be used; the lighting of green light shows that it is in charging or a shortage of power; the alternate flashing of the red and green lights shows overheat protection, please wait for about 3 minutes to cancel the protection before continuing use. If you press this test button (PILOT), the speedlite will give a test flash (slave unit). After a standard exposure was obtained, the flash exposure confirmation indicator will light for 3 seconds.
- Flash exposure confirmation indicator**: If a standard exposure was obtained, the flash exposure confirmation indicator will light for 3 seconds.

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V. Installation Instruction

- 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.
- Attaching to the 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.



VI. Basic Functions

1. Basic Operations

Component	Operation
[Power switch]	Power switch of the flash light. The power of the flash light can be turned on or turned off by holding this button for 2 seconds. It is required that the battery shall be taken out after the power of the flash light is closed through this button.
[ZOOM] button	A short press on this button makes the speedlite enter electronic zoom setting state. Press [LEFT] [RIGHT] or [UP] [DOWN] buttons to adjust different focal lengths (Auto, 24, 28, 35, 50, 70, 80, 105mm) ... A long press on this button makes the speedlite enter slave unit setting state; you can set it at SL (c/n or c, n separately) and S1/S2. Then press [OK] button to confirm the setting.
[Rear-curtain sync] hotkey	The speedlite will be switched between rear-curtain sync and front-curtain sync in circle for each press.
[MODE] button	Under the normal flash, the mode of the speedlite will be switched among the ETTL/M/MULTI in circle for each press; and under the wireless flash, long press on this button locks the speedlite in M and MULTI mode.
[illumination/advanced options] button	A short press will turn on or turn off the LCD panel illumination, hold the button to go into the status of advanced option setting.
[LEFT] [RIGHT] and [OK] buttons	Used as the button to adjust slave unit, zoom range, flash brightness, Exposure Compensation, stroboscopic flash times, stroboscopic flash frequency. See the subsequent chapter for relevant operation.
[UP] [DOWN] button	You can set exposure bracketing and zoom range. Under the TTL mode, you can operate [up] and [down] button to set the exposure bracketing of speedlite. It should be used with [ZOOM] button to set range zoom.
[PILOT] button	Press this test button and the speedlite will test flashing in current output level under the dormancy state; you can

2. Power-on and Power-off

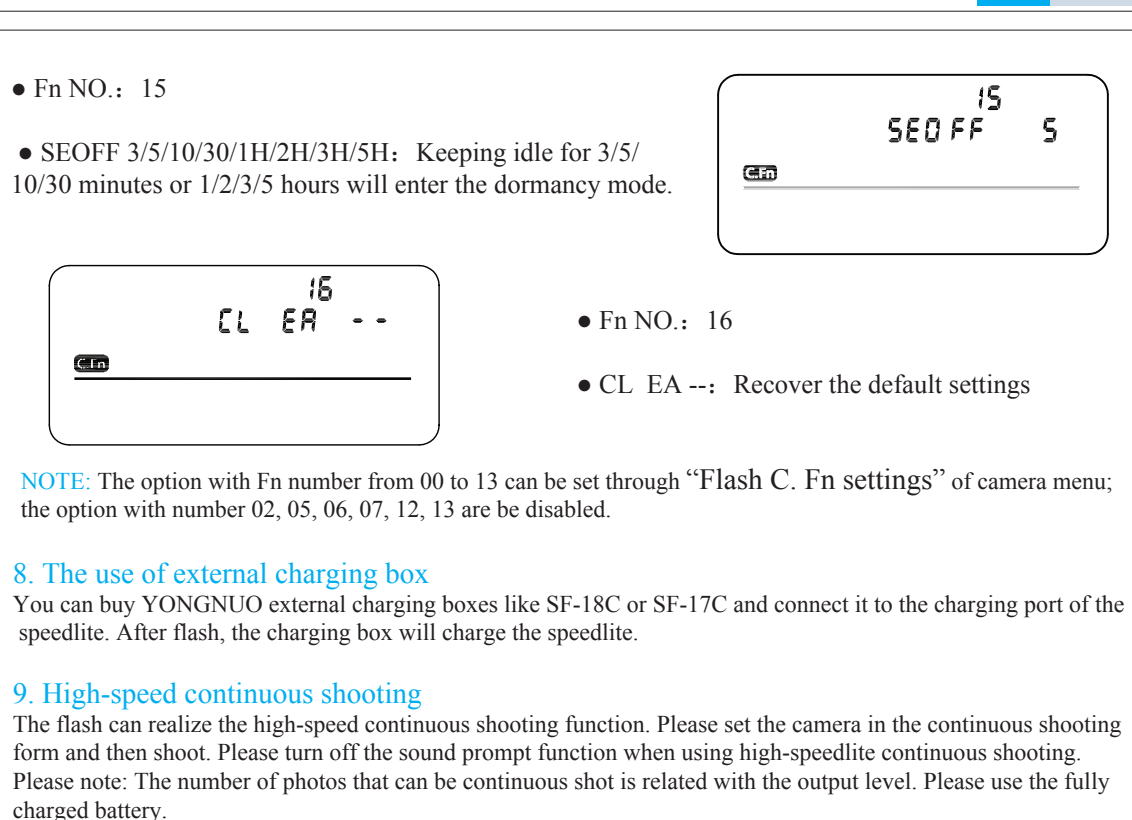
The power of the flash light can be opened or closed by holding this button for 2 seconds. It is suggested that the battery shall be taken out after the power of the flash light is closed through this button.
After opening the power switch of the flash, the flash will fetch the setting state saved in the closed-down last time, the charging indicator is green, which indicates the flash is available.
If the charging is not completed within 20 seconds, and <PL> will be displayed on LCD panel, the flash will automatically shutdown. Then you need to replace with new batteries.
You may press the testing button PILOT to test whether the flash works normally.
After use, hold the power switch for 2S to power off.

3. ETTL MODE

Just set the camera's shooting mode to [AV] (aperture-priority AE), [TV] (shutter-priority-AE), or [M] (manual), and you can use ETTL auto flash. Under the ETTL mode, YN565EX supports FEC, FEB, Rear-sync, FEV, Modeling, Canon camera menu accessible.

4. M mode

- You can set the flash output from 1/128 to 1/1 full power in 1/3-stop increments. Press the [LEFT] [RIGHT] button to adjust the output directly.
- * Press [MODE] button and the <M> will display on LCD panel.
- * Press [LEFT] and [RIGHT] button to adjust output level, you can fine tune the power output of the flash by [UP] and [DOWN], the step size is 1/3ev.
- * Press the shutter button halfway, and check that the subject is within the effective range displayed on the LCD panel.
- NOTE: The effective range don't display on the LCD panel before charging is finished.



6. S1/S2 mode

- These two modes are suitable for manual flash environment and TTL flash environment respectively. Under these two modes, the way to adjust the output level is like the way in M mode.
- When using S1/S2 mode, you can rotate the flash head to make the wireless triggering sensor face with the master flash. Setting method: Hold press the [ZOOM] button, and then press [LEFT] [RIGHT] button until S1/S2.
- S1 mode**: It will work with the first trigger of master flash synchronously; the master flash should be set at manual flash.
- S2 mode**: It is also called "pre-flash cancel mode", it can neglect the pre-flash given by TTL flash, and therefore, it can support the main flash working in TTL 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 as SL (see "wireless flash system" for details).

7. Menu Access of Camera (only for the more recent Canon models)

You can control the speedlite by accessing to camera menu on the recent canon models which support ETTL. On the Flash Control Menu, you can set some parameters through "External flash function setting" and "External flash C. Fn setting", for example, Flash mode, Shutter sync, FEB, Flash exp. comp, Zoom, Wireless set, and advanced setting etc.

8. Test Flash

Whether in any mode, you can press 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.

9. Power Saving Mode

YN565EX provides shrinkable power-saving mode; this power-saving mode can set through long press on [Advanced option] button. Long press the [Advanced option] to enter the setting state and select the option with number 01 through [up] and [down] buttons. When pressing the [right] button slave unit setting state, you can set it at SL EP --, this means to disable the function of "automatic power off". When it is set at SL EP on, this means that the function of "automatic power off" is enabled, the following table lists the power-saving mode that is set through advanced option.

NO.	Scope of Application	Setting options	Power saving mode
01	All modes	on	Power saving mode is closed
SL EP	SL/S1/S2	on	Power saving mode is open
10	SL/S1/S2	60	Power automatic off of the slave unit is 60 minutes
31	SL/S1/S2	10	Power automatic off of the slave unit is 10 minutes
32	Others	8H	Slave auto power off canceled within 8 hours
SE OFF	Others	3/5/10/30/1H/2H	Slave auto power off canceled within 3/5/10 minutes/30 minutes/1 hour/2 hours/3 hours/5 hours. After it enters the sleep state, it powers off automatically after keeps the same idle time.

Under the dormancy situation, <SE> will be displayed on LCD panel, you can awake the speedlite by pressing any button.

10. Overheating Protection

If the speedlite is used too frequently, the overheating protection function will be triggered, the red and green lights of the charging indicator will blink alternately, and <O-He> will be displayed on LCD panel, the speedlite will be locked. Please wait for about 3 minutes until the item to be set displays; for example, SL EP -- is displayed. Menu accessible can only be available when sound disabled or sound enabled. <14 S0> and <14 S0> means that the sound prompt is enabled or disabled. When the sound prompt is enabled, see the following table for the meaning of sound.

11. 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).
Attaining the speedlite to the camera, the flash coverage will set automatically to match the lens focal length.

12. Sound prompt

When the sound prompt function is activated the speedlite will give out different sound to indicate the working state. Sound prompt can be set through function of advanced option. The method is: long press on the [Advanced option] button until [F] enters the advanced option setting state. Select item 10 through [UP] and [DOWN] buttons and use [LEFT] and [RIGHT] buttons to set sound disabled or sound enabled. <14 S0> and <14 S0> means that the sound prompt is enabled or disabled. When the sound prompt is enabled, see the following table for the meaning of sound.

The sound form	Meaning	Operation
Tick twice	a. A standard flash was obtained; The speedlite is started.	Normal
Three ticks, two times	The exposure may be over.	Adjusting exposure compensation or changing shooting condition
Tick--tick--tick	a. The exposure may be over.	Replaces the batteries, waiting for the completion of charging or the protection is canceled
Tick--tick--tick--	a. The power is not enough; b. The speedlite is in the charging or overheating protection states	Normal
Tick a long sound	The speedlite is fully charged and can be used.	Normal
Tick--tick--tick	Sound prompt before turn off	Normal

13. Modeling Light Function

Press down the camera's depth-of-field preview button, the YN565EX will send out continuous flash lasting one second.
NOTE: Do not fire the modeling flash more than 10 consecutive times. If you fire the modeling flash for 10 consecutive times, allow the speedlite to rest for 15 to 15 minutes to avoid overheating and deteriorating the flash head.

14. PC Synchronous port (for input)

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

15. Automatic setting saving

The speedlite will automatically save the current setting in order to let you have a simpler use next time after boot.

VII. Wireless Flash System

YN565EX has wireless remote flash systems as slave unit, the YN565EX can be triggered by 580EX II, SB-900/800/700, 7D/60D/600D, Nikon c-command and ST-E2, wireless TTL or manual lighting can be achieved.
cn: Indicating that it can receive wireless signal from Canon system as well as Nikon system at the same time.
c: Indicating that it can only receive wireless signal from Canon system, avoiding Nikon system.
n: Indicating that it can only receive wireless signal from Nikon system, avoiding Canon system.
Any flash exposure compensation, FEB, FE lock, manual flash, manual zoom, auto zoom, auto zoom, PC port, power saving mode, prompt, advanced setting, automatically saving setting, PC port, power saving mode and over heat protection

- Master unit setting**
To use 580EX II, SB-900/800/700, 7D/60D/600D with built-in commander mode, Nikon c-commander and ST-E2. For the setting method, please refer to your master instructions.
- Slave unit setting**
As the slave unit, when YN565EX is used, the wireless option of speedlite is set to SLAVE.
Setting method: long press on ZOOM for 2 seconds to make the OFF flash on the LCD screen, this means that it is in the setting state. Use [LEFT] and [RIGHT] buttons to select SL. The LCD screen display cn when [OK] button is pressed at this moment. This means that it receives the wireless signal from Canon and Nikon at the same time. Press ZOOM button again and <c> or <n> or <A> or <P> will flash. This means that it enters setting state of Canon or Nikon wireless option, communication channel or slave unit. At this time, use [LEFT] and [RIGHT] buttons to set slave unit c/n separately, number of communication channel (1, 2, 3, 4) or slave group (A, B, C), then press [OK] button to confirm the setting.
- Prompt**: When does it need to set c or n under the off camera mode instead of cn mode?
When other camera may use off camera control in the environment, and you don't want to be bothered. Separate setting of c or n may slightly improve the correctness of flash control.

3. Multi-Speedlite, Wireless lighting configurations

You can create two or three slave groups to make shooting effect better meet your requirements, and set flash ratio for ETL auto flash setting of master, as well as manual flash output, frequency flash etc.

Wireless flash of two slave units made up by YN565EX

- * Wireless option setting: cn, c, n for operation
- * Communication Channel setting: 1, 2, 3, 4
- * Groups setting: Set one YN565EX as group A, and set the other 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.

- * Wireless flash with three YN565EX speedlites
- * Wireless option setting: cn, c, n
- * Groups setting: Set three YN565EX speedlites as group A, group B and group C respectively.
- * Setting master and shooting: Please select the ratio-A: B <C>.
- * Press the test button of master to test whether the flash works normally; if the master does not fire, adjust the slave unit's angle toward the flash unit and distance from the master unit.

VIII. The Advanced Application

- Ultra-long-range Wireless Flash**
YN565EX has wireless remote flash system. The longest distance used indoors is 25 meters and the longest distance used outdoors is 15 meters.
Please note that the YN565EX's wireless sensor should be faced to master unit, and make sure it is within the effective range of transmission.
- Flash Exposure Compensation**
You can use the exposure compensation function of the camera to compensate flash output so as to make shooting effect better meet your requirements. You can also make compensation of flash brightness with the [LEFT] [RIGHT] button within the range of +/-5ev, with the precision of 1/3ev. Every press the button, the compensation setting will be displayed on LCD panel.
- 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 turn off the rear-curtain sync by pressing the [rear-curtain sync] hotkey on panel of YN565EX.
- Exposure Bracketing (FEB)**
The FEB function is set on the camera or speedlite. For the specific setting method, refer to your Camera Instructions. After the FEB is set, after 3 photos are taken, the camera will be set automatically in the sequence of, for example, "normal", "under", "over". This function helps you improve the success rate of photo taking. The setting method of the YN565EX speedlite: Press the [UP] [DOWN] button to adjust the exposure bracketing amount.
NOTE: For FEB, set the camera's drive mode to single shooting. Be sure the flash is ready before shooting.
- Face Lock (Canon)**
To use this function, choose the subject for which flash exposure will be locked at the center of the viewfinder of camera, press the button <F> of the flash exposure lock, and the flash light will pre-flash and the camera will calculate the appropriate flash output data. When you have some time for composition, after which, you can take photo. (The function can be used only when it is supported by your camera. For the setting method, refer to your camera Instructions.)
- 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 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 in order to get efficient reflection; if the reflection surface is not white, color cast may appear in photo.

7. Advanced Setting

- YN565EX provides advanced settings, you can customize speedlite feature to suit your shooting preferences. Set the advanced settings through hotkey of speedlite or menu accessible. Setting method of hotkey: Press the [Advanced setting] button for 2 seconds to enter the setting state of speedlite, for example, SL EP -- is displayed. Menu accessible can only be available when sound disabled or sound enabled; for the setting method, refer to your camera manual. The meanings of the items can be found in the table below:
- | | | |
|--|---|---|
| | • Fn NO.: 00 | • Effective flash distance: effective flash distance takes m as unit or ft as unit. |
| | • Fn NO.: 01 | |
| | • SL EP on: Auto power off is enabled | |
| | • SL 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 --> 0 --> +" | |
| | • Fb 0 +: Sequence of FEB is "+ --> 0 --> +" | |

4. Is the FEB exposure range set anew every time?

You can access FEB setting through camera menu or lock FEB setting through F advanced option setting to avoid that FEB will cancel automatically when completing three shooting states. The number of setting option is 03. It is ok to set the "FEB auto cancel" disabled.

5. Underexposure of photo

Please check whether your speedlite is set with exposure bracketing and the exposure order is "--> 0 --> +". You can access the power switch option through camera menu to set the order of exposure bracketing as "0 --> + --> +" or enables "FEB to cancel".

6. Vignetting appears in photos or only part of the subject is illuminated?

Adjusting the camera's aperture and the focal length of the lens will not be compatible with full frame camera system. You may pull out the wide-angle diffuser to widen the flash range.

7. The state of YN565EX is abnormal

Please try to turn the power supply of YN565EX and camera. After YN565EX is installed on the hot shoe of camera, turn on the power supply again. If it is still unusual, please replace the batteries.

11. Use Reflection Board to Take Photos

With the reflection board, draw the reflection board and the wide-angle diffuser board out from the light head at the same time and then push the reflection board to the light head. 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 flash head is up 90°.

12. Use Wide-angle Diffuser

Pull out the wide-angle diffuser, push back the reflection board and arrange them as per the figure; in such case, the flash spots will extend to 18m and the flash effect will be softer and more natural.

IX. Specifications

Circuit design	Insulated Gate Bipolar Transistor (IGBT)
Guide No.	S8 (ISO 100, 105mm)
Flash mode	TTL, M, MULTI
Wireless trigger	N's & C's wireless system/S1/S2 pre-flash-canceled mode
Wireless triggering distance	20-25m indoor, 10-15m outdoor
Slave units	3 (A, B, and C)
Channels	4
Zoom range	24, 28, 35, 50, 70, 80, 105mm
Vertical rotation angle	-7~90 degrees
Horizontal rotation angle	-15~45 degrees
Power supply	4 AA-size batteries (Alkaline or Ni-MH are usable)
Lighting times	1000~1500 times (AA alkaline cell used)
Recycle time	approx 3s (AA alkaline cell used)
Core temperature	120000s-1/20000s
Flash control	8 levels of output control (1/128-1/1), 22 levels of fine tuning
External interface	hot shoe, external charging port
External power	YONGNUO external charging boxes like SF-18C, SF-17C
Additional features	Rear-curtain sync, FEC, FEB, FEV, modeling flash, manual zoom, auto zoom, PC port, power saving mode, prompt, advanced setting, automatically saving setting, PC port, power saving mode and over heat protection
Dimensions	60-190*78mm (Extended state)
Net weight	380g
Accessories	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	14	24	28	35	50	70	80	105
1/1	10.6/34.8	18.9/61.9	30/98.4	39/127.9	42/137.8	50/164.4	53/173.9	58/190.3
1/2	10.6/34.8	18.9/61.9	30/98.4	27.6/90.7	29.7/97.4	35.4/116.1	37.5/123.1	41/134.5
1/4	7.5/24.3	14.4/47.2	15.4/50.2	19.5/64.3	21.6/70.9	25.8/84.9	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	20.5/67.6
1/16	3.8/12.5	7.2/23.6	7.5/24.6	9.7/32.2	10.5/34.4	12.5/41.1	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	3.5/11.3	3.8/12.5	4.9/16.1	5.3/17.4	6.3/20.7	6.6/21.7	7.3/24.1
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. The YN565EX can't flash

