



TTL闪光灯套装 SPEEDLITE KIT YN862C



使用说明书 INSTRUCTION MANUAL

在使用本产品之前，请通读本手册，以确保您能正确、安全使用，然后保存好本手册以便将来查询参考。

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

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Precaution

- **To avoid fire or electrical shock, do not expose this product to rain or moisture.**
- **To avoid short circuit, please make sure the batteries contacts are securely packed and use the battery in accordance with the local provisions.**
- **Please place the batteries and the parts which can be swallowed mistakenly away from children. If swallowed, please get medical help immediately.**
- **To avoid any possible injury to eyes, do not use the flash in a short distance from the eyes.**
- **To avoid any possible safety accident, do not use the flash on the people focusing attention.**
- **Please take out the batteries and stop using this product immediately in case of the following situation:**
- **This product is dropped or shocked seriously and the inner part of this product is bared.**
- **Wear gloves and take the batteries out if the corrosive liquid inside the batteries leaks.**
- **This product gives off strange smell, heat or smokes.**
- **Do not disassemble or maintain this product because the internal high voltage circuit may cause the electric shock.**

Features

- **Equipped with 1800mAh lithium battery, recycle time is only 1.5s, flash firing times of full output is over 700**

Adopts lithium battery power supply design, ultra-fast charging recycle system.

- **Supports Radio Wireless Flash Function**

When YN862C is set as the master unit, it can control, fire YN862C (slave mode), YN622C II (560RX mode) and other controlled units to achieve E TTL/M/Multi flash, high-speed synchronization, focus control and other functions. When YN862C is set as a slave unit, it can receive the control and trigger signals of the TTL master unit such as YN862C and YN560-TX Pro to realize the ETL/M/Multi mode off-camera flash; it can receive control and trigger signals of YN560-TX (II)/RF603/RF605, achieve M / Multi mode flash.

- **High Guide Number, Supports High-speed Sync**

GN60@ISO100,200mm, supports high-speed sync, E TTL, manual flash, multi flash, Gr grouping flash, the highest synchronous speed can reach 1/8000s.

- **Support Auto/Manual Zooming**

The YN862C supports auto and manual zooming, the flash coverage can be changed between AUTO, 20~200mm.

- **Supports USB Firmware Upgrade**

The YN862C equipped with the USB interface, supports firmware upgrade, the users can download the upgrade firmware through the Yongnuo official website to upgrade the flash.

- **Supports Wireless Optical Slave function**

The YN862C supports receiving YONGNUO, Canon's and wireless optical master signal, supports S1 and S2 flash mode.

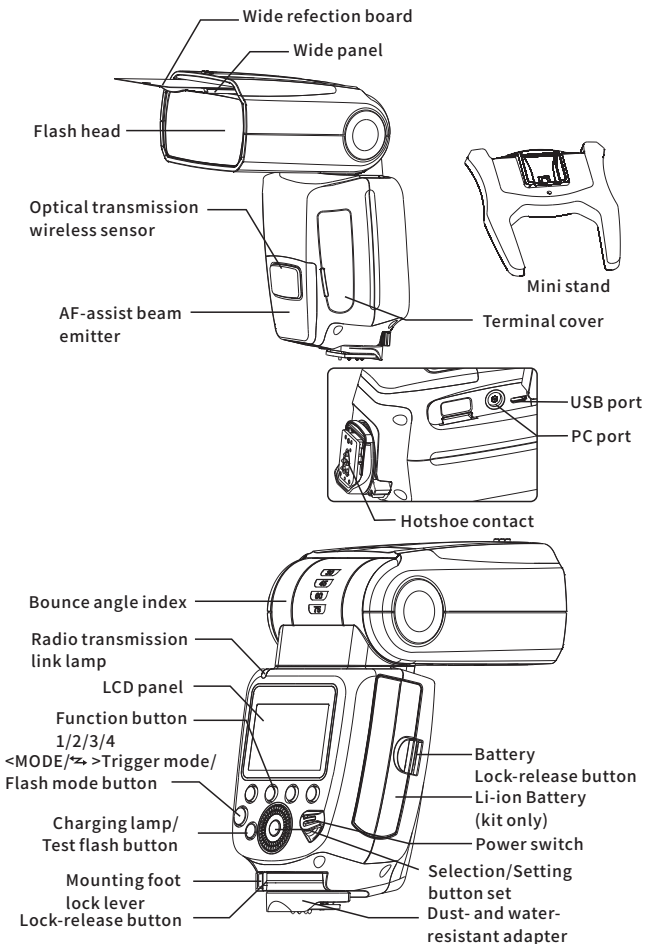
- **Settings Save Automatically, Supports Custom Functions (C.Fn)**
- **Equipped with Big Size LCD Display Screen, Standard PC Synchronous Interface**

Quick Start

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

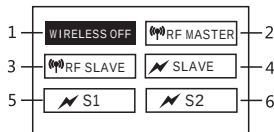
1. Please avoid the excessive use of the output with maximum power. It can effectively extend the service life of this product. (It is recommended that the speedlite should be idle for more than 10 minutes when entering the overheat protection).
2. Long press [MODE/ ] button and rotate select dial to switch trigger mode. Short press [MODE/ ] button to switch flash mode. In different trigger modes, the flash modes to be selected are different.
3. Function button 1-4 corresponding to different functions according to current state of the flash, operations and details please refer to the following chapters.
4. When sets as a master control unit, short press [CH] button to enter the channel setting status, short press the function button [GR/ZM] to switch the group, long press this button to set the group focal length, press the function button [RATIO] to set the light ratio mode. Turn [] to set the exposure compensation or flash output.
5. Long press the function button 2 and button 3 can set the flash shooting function settings and wireless shooting setting recover to the default set-top TTL flash mode status.
6. When you position the flash head down by 7° , you can shoot subjects at a short distance in a range of approx. 0.5 to 2 m.

Components Description



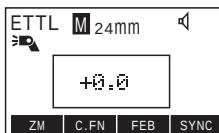
LCD Panel

Long press [MODE/↔] button and rotate select dial to switch flash mode. In different trigger modes, the flash modes to be selected are different.



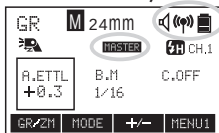
1.WIRELESS OFF

:Set-top flash



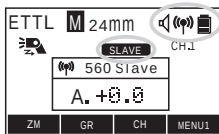
2.RF MASTER (Radio wireless master mode)

: Master



3.RF SLAVE(Radio wireless slave mode)

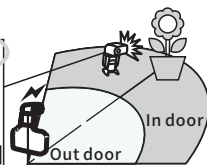
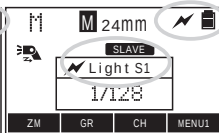
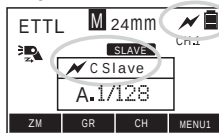
:Slave



:Optical wireless slave mode : Slave

4. Optical SLAVE MODE

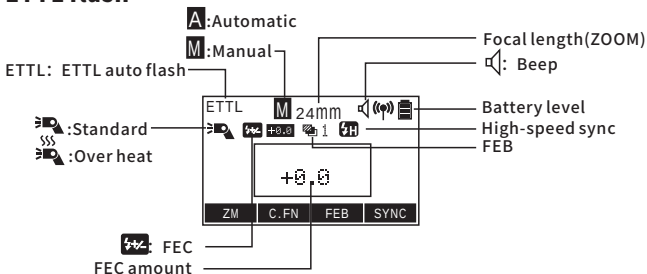
5.S1 MODE/6.S2 MODE



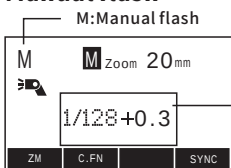
LCD Panel

Short press the [MODE/] button to switch the flash modes, including E TTL/M/MULTI/GR. The selectable flash modes will be different in different trigger modes.

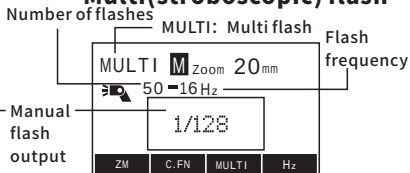
E TTL flash



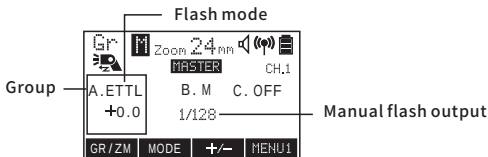
Manual flash



Multi(stroboscopic) flash



Gr flash



Installation Instruction

1.Install Battery And Take Out Battery

According to the picture, insert the lithium battery fully into the battery compartment, the battery will be installed when a 'click' sound comes out from the battery locking lever.



For taking out the lithium battery, turn the battery locking lever according to the direction of arrow, the lithium battery will be popped out automatically.

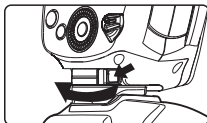
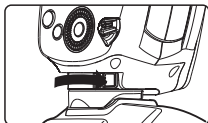
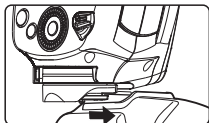


2.Attaching to the Camera & Detaching from the Camera

Slip the speedlite's mounting foot all the way into the camera's hot shoe.

Slide the mounting foot lock lever to the right side as the arrow shown, until heard the "clicks" sound.

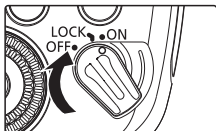
To detach the speedlite, press the [lock-release button] and slide the [Mounting foot lock lever] to the left side, then detach the speedlite.



3.Power-on and Power-off

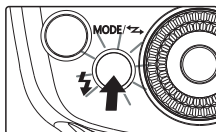
Set the power switch to [ON] position, the speedlite will turn on and start charging.

After turned on, the [Charging lamp] will bright with red light which indicates it can flash. After use, set the switch to [OFF] position to turn off the power source. Switch to <LOCK> to open the lock function(P.10).



4.Test Flash

When the charging lamp turns red, you can test the flash is normal or through the [TEST] button.



Basic Operations

1.Button Operation

[ON/OFF]switch	Set the switch to the ON/OFF can turn on/off the power source
[MODE/ ] button	Long press this button and rotate select dial to switch flash mode. Short press this button and rotate select dial to switch trigger mode.
[]Select dial	Through the dial can adjust the selected parameters which need adjusted, related operations and details please refer to the subsequent chapters
[]Select/OK button	Confirm and save the parameter settings
[Function button 1/2/3/4]	According to the current state of the flash, the corresponding four function buttons are in different roles, related operations and details please refer to the subsequent chapters
[TEST] button	Test flash

2.Statues of [Charging Indicator]

Statues	Meaning	Method
Red light	The speedlite is fully charged and can be used.	Normal
Green light	Quick flash* ready	The speedlite can be used with “quick flash”
Goes off	The speedlite has not been fully charged.	Waiting for completion of fully charged

*About Quick Flash

The Quick Flash function enables flash shooting while the charging lamp is green (before the flash is fully charged).The guide number is 1/2 to 1/6 of the full output, but it is useful for shooting with a faster recycling time at a short shooting distance.

3.Meaning of [Link lamp]

[LINK] lamp statues	Meaning
Green light	Radio transmitting
Red light	Flash Triggng

4.Meaning of LCD Backlight Color

Color	Meaning
Green	On-camera or master flash mode
Orange	Slave flash mode
Red	Flash enters overheat protection state

Basic Operations

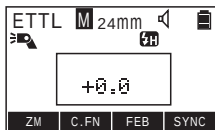
5.The meaning of [Sound Prompt]

The Sound Form	Meaning	Method
Tick---a long sound	The speedlite is fully charged, and can be used	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 tick	Overheat protection prompt	Ldle 10 minutes for overheat released.
Tick-tick-tick	Low battery and the speed-lite is about to shut down	Charge the battery

6.TTL Mode

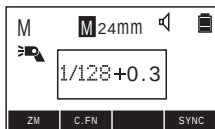
In TTL mode, the metering system of this camera will detect flash illumination reflected back from the object so as to automatically adjust the exposure compensation.

In TTL mode, the light intensity can be adjusted by setting FEB, FEC and flash exposure lock(FEL).



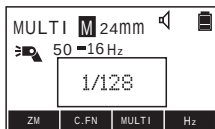
7.M (Manual) Mode

In M mode, you can set flash output as your requirement through [⚙️]. Adjustment range of flash output is 1/128-1/1, and the output can be divided into 8 grades, each has maximum 3 grades for fine adjustment, with grade 0.3EV, 0.7EV as adjustment increment, totally 29 grade fine adjustment.



8.Multi (stroboscopic) Mode

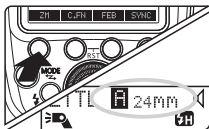
Multi mode, the speedlite will flash according to the flash output, flash frequency and number of flashes you set. Select the number of flashes through the function button [MULTI], select the frequency through the function button [Hz]. Then adjust the numbers of flashes and flash frequency through the [⚙️]. The adjustment method of the flash output are same as the M mode. The number of flashes range is 1-100, and the range of flash frequency is 1-199.



Basic Operations

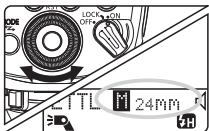
9.Auto zoom:

Short press the function button [ZM] until the local length value displays on LCD panel, then adjust the coverage through [⊙]. When it displays [R], attach the speedlite to the camera, the flash coverage will change as the lens focal length and move back and forth to accommodate different flash coverage.



10.Manually set the zooming position:

Press the function button [ZM] until the local length value displays on LCD panel, then adjust the coverage through [⊙]. If [M] is displayed, you can adjust the flash coverage (20,24,28,35, 50,70,80,105,135,200mm) manually.



11.AF Assist Beam Emitter(C.Fn06)

When using AF under low-light, the built-in AF-assist beam emitter of the speedlite will be emitted automatically to make it easier to autofocus. Please refer to the C.Fn chapters.

12.About the Lock Function

By setting the power switch to [LOCK], you can disable speedlite's button and dial operations. Use this to prevent the speedlite function settings from being accidentally changed after you set them. If you operate a button or dial, [LOCKED] is displayed on the LCD panel.

13.Overheat protection

When continuous flash, the temperature of the flash head may increase, a warning icon [🔥] icon will be displayed on LCD panel, and the recycling time will be longer.

When repeated firings of the flash, the overheat protection function will be triggered, the LCD is lighting in red, the speedlite will be locked, in such case, please wait for about 10 minutes before continuing use.



- When the speedlite warns overheating, please reduce the use intensity.
- Please mind the hot batteries when you take them out after the continuous shooting.

14.About Battery Capacity

When the battery capacity is insufficient, the screen is as shown in figure, and please change the battery.

LOW ENERGY

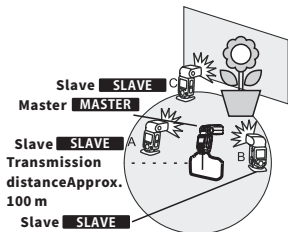
Wireless Flash Shooting: Radio Transmission

• Using compatible YONGNUO transmitter or speedlite(P.14) which supports wireless transmitting can be easily achieved according to the same method of flash photography. System design: The settings of the speedlite (master unit) on the top of the camera automatically reflects in the speedlite (slave unit) being wirelessly controlled. Therefore, there is no need to use a slave unit in shooting. The basic relative position and operating specification show as below.

Positioning and Operation Range

(Example of wireless flash shooting)

- Position the slave unit using the supplied mini stand.
- Before shooting, perform a test flash and test shooting.
- The transmission distance may be shorter depending on the conditions such as the positioning of slave units, the surrounding environment and weather conditions.

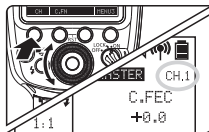


Attach the speedlite on the camera and set it as the master unit.

- Long press [MODE/] button ,select [RF MASTER] mode through [].

Radio channel setting

- Press the function button [MENU1] until [CH] is displayed, press the function button [CH] to choose the current channel, and adjust the channel through [], there are 1-16 channels for option.



2.Wireless Slave Unit Setting

Set the other YN862C as slave unit.

- Long press [MODE/] button, select to [RF SLAVE] mode through [], then set the channel (the setting method is same as master unit, set the channel of slave unit consistent with as master unit).
- When slave flash is ready, the AF assist beam blinks at one second intervals (It can be disabled through custom function C.Fn11).



Wireless Flash Shooting: Radio Transmission

- Press function button [GR] to set the groups of slave unit. There are A/B/C/D/E/F groups optional.

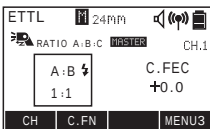
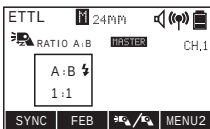
- Short press the [MODE/ ] button to set the flash mode, support the ETTL, M, Multi mode, turn  to set the exposure compensation or flash output (also can be set by the supported master control unit).

3. Set Flash Mode and Group from Master Unit

- Short press the master unit [MODE/ ] button to select the flash mode, include ETTL/M/MULTI/GR. A/B/C represents slave A/B/C group flash respectively, in which the master control unit is set to the same group A, choose different flash modes, the parameters can be set will be different. In the GR mode, supports A/B/C/D/E 5 groups.

ETTL (Auto Flash) mode

Supports ratio settings of 3 groups of flashes; supports exposure compensation and exposure bracketing.



MENU1

Press this button to switch to MENU1, MENU2 or MENU3.

+/-

Exposure compensation button (for TTL/GR mode only)

FEB

Exposure bracketing button (for TTL/GR mode only)

Set the master unit to flash or not to flash. :ON/:OFF

RATIO

Ratio button: every time this button pressed, the setting changes as: RATIO OFF(ALL)/A:B/A:BC

GR/ZM

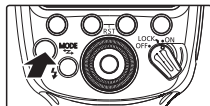
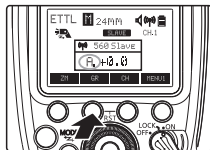
Group/focal length button, short press this button, switch in each groups of flashes, then turn  to set the current group light ratio/exposure compensation/flash output, long press this button enter the focus length(zoom) setting.

CH

Channel setting button

SYNC

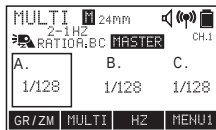
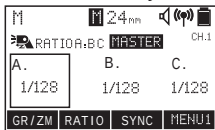
Sync mode button (In wireless TTL mode, this speedlite supports first-curtain sync and HSS, but it doesn't support second-curtain sync.)



Wireless Flash Shooting: Radio Transmission

M (Manual) mode/Multi(stroboscopic) mode

Supports three groups of flashes to use different flash outputs, in Multi flash mode, times/frequency settings are supported. Manual mode supports rear curtain sync.

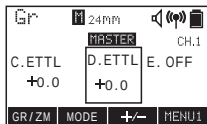


MULTI Setting number of stroboscopic (for MULTI mode only)

HZ Setting stroboscopic frequency (for MULTI mode only)

GR(Group flash)mode

Supports 5 groups of flashes respectively set as M/ETTL mode or OFF.



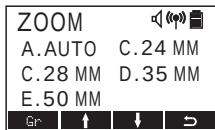
GR/ZM Short press this button, the flash parameters of each group can be set by sequence(Group A/B/C/D/E).

MODE Group flash mode button: can be set as M/TTL mode or OFF.

4.Group Focal Length Settings(ZOOM)

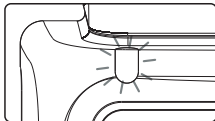
Long press function button [**GR/ZM**] to enter into group focal length setting interface.

Press function button [**Gr**] to switch groups, press function button [**↑**] and [**↓**] or rotate [**⦿**] to set focal length, and press [**➡**] to return.



5.Test flash

When half press camera shutter button, the LINK light of master unit and slave unit lighting green. This means the communication is normal. Press [TEST] button on master flash, the slave flash fires.



 When you need bigger flash output, you can increase the slave unit.

Wireless Flash Shooting: Radio Transmission

7.About the YN862C compatiability list by wireless Master mode

Receiver (speedlite)	Channel	Group Function	TTL flash	Manual flash	zoom setting
YN862C	CH1-CH16	Support	Support	Support (Flash output can be adjusted from YN862C)	Support
YN968C (560 SLAVE)	CH1-CH16	Support	Support*	Support (Flash output can be adjusted from YN862C)	Support
YN560III/IV YN860Li/YN720	CH1-CH16	Support	Do not support	Support (Flash output can be adjusted from YN862C)	Support
YN685 (RF 603 SLAVE)	CH1-CH16	Support	Support*	Support (Flash output can be adjusted from YN862C)	Support
YN622C II (560-RX)	CH1-CH7	Support (A/B/C)	Support*	Support (Flash output can be adjusted from YN862C)	Support
RF605 Series	CH1-CH16	Support	Do not support	Support (need to set the flash out on the speedlite)	Do not support
RF603(II) Series RF602	CH1-CH16	Do not Support (All groups can fire)	Do not support	Support (need to set the flash out on the speedlite)	Do not support

***Need to upgrade the latest firmware from YONGNUO website.**

7.About the YN862C compatiability list by wireless slave mode

Transmitter (Speedlite)	Channel	Group Function	TTL Flash	Manual Flash	Zoom Setting
YN862C	CH1-CH16	Support	Support	Support (Flash output can be adjusted from transmitter)	Support
YN560IV YN860Li YN720	CH1-CH16	Support	Do not support	Support (Flash output can be adjusted from transmitter)	Support
YN560-TX PRO	CH1-CH16	Support	Support	Support (Flash output can be adjusted from transmitter)	Support
YN560-TX YN560-TX II	CH1-CH16	Support	Do not support	Support (Flash output can be adjusted from transmitter)	Support
RF605 Series	CH1-CH16	Support	Do not support	Support (need to set the flash out on the speedlite)	Do not support
RF603(II) Series RF602	CH1-CH16	Do not support (All groups can fire)	Do not support	Support (need to set the flash out on the speedlite)	Do not support

Wireless Flash Shooting: Optical slave mode

Set the YN862C as optical slave unit.

- Long press [MODE/

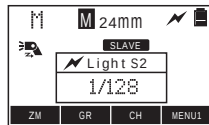
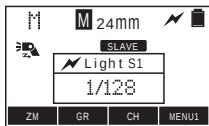
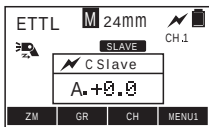
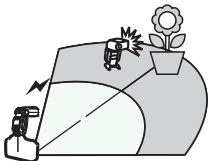
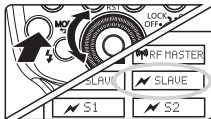
Please allow the wireless trigger sensor face to the master flash by rotating the flash head. The slave unit and master unit should be set on the same channel when using optical SLAVE mode. For the master unit setting, please refer to the master unit' s usermanual.

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

Optical SLAVE: This mode can respectively receive the built-in flash of the YN568EX II/580EX II/7D/60D/600D etc., supports 4 channels, realizing TTL and manual flash.

S1 mode: In this mode it will work with the first flash 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.

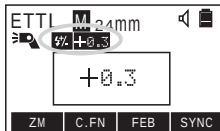
S2 mode: It is also called "pre-flash cancel mode". This mode is similar with S1 mode, but it can neglect the pre-flash given by TTL flash. Therefore, it can support the master flash working in TTL mode. In particular, if S1 mode cannot flash properly and synchronically with your internal flash, you can try to use S2 mode.



Advanced Applications

1. Flash Exposure Compensation(FEC)

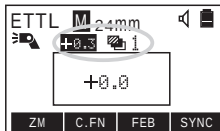
In order to make the shooting effect more suitable to your needs, you can set the flash exposure compensation through the camera or on the flash. The exposure compensation value is within the range of -3EV~+3EV. It can be set through rotating the .



 **NOTE:** When the speedlite, camera and trigger have set the exposure compensation at the same time, which will overlap the exposure compensation.

2. Flash Exposure Bracketing (FEB)

The FEB function can be 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. Press the function button [**FEB**] and rotating  to adjust the exposure bracketing value.



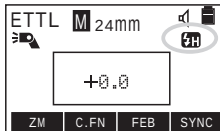
 **NOTE:** For FEB, set the drive mode of camera to "single shooting", be sure the flash is ready before shooting.

3. FE Lock(FEL)

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 please refer to your camera manual.)

4. High-speed Sync Flash

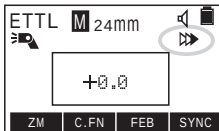
With high-speed sync (FP flash), the YN862C can be synchronized with all shutter speeds, it is particularly convenient to use aperture priority to fill flash portraits, the maximum shutter sync is up to 1/8000. Press the function button [SYNC] button to turn on or off the high-speed synchronization function.



Advanced Applications

5.Second-curtain Sync Flash*

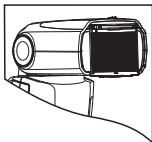
You can use slow-speed shutter to produce trailing smear for the object and the flash light will flash at the moment when the shutter is going to be shut, which means the rear-curtain sync function (refer to your camera manual for setting). You can turn on or off the rear-curtain sync by pressing the function button [SYNC] on the speedlite.



*When the YN862C is used as ETTL wireless flash, the rear-curtain sync function cannot be set.

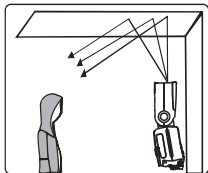
6.Use Wide Panel

Pull out the Wide panel, 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.



7.Reflection Flash

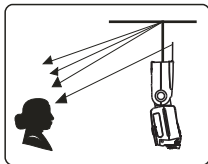
Bounce flash means to take photos by making flash light head aimed at wall or ceiling and using the light reflected back from the ceiling or wall to light the desired object, so that the shade behind the object can be decreased to get more natural shooting effect.



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

For shooting with the reflection board in flash, pull out the reflection board and the wide panel out from the light head at the same time and then push the wide panel 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 (catching light). This function can reach optimal effect when the flash head is up 90°.



Advanced Applications

9.PC Sync port (input)

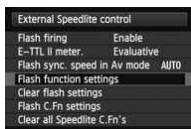
Through connecting to the PC sync port, you can make the flash synchronously.

10.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.

11.Speedlite Control from Camera's Menu Screen

When using EOS digital cameras released since 2007,you can set flash functions, or custom functions from the camera's menu screen. See the camera's instruction manual.

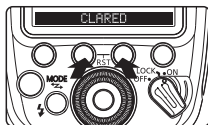


12.Short Distance Flash Shooting

When you position the flash head down by 7° ,you can shoot subjects at a short distance in a range of approx. 0.5 to 2 m.

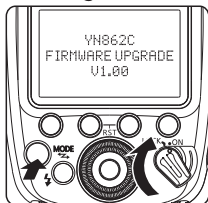
13.Factory reset

Long press the function button 2 and button 3 can set the flash shooting function settings and wireless shooting setting recover to the default set-top TTL flash mode status.

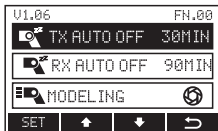
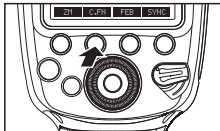


14.Firmware Upgrade

- 1).Log in the YONGNUO official website (www.hkyongnuo.com) to download the upgrade software and the latest firmware.
- 2).Power off, use USB-Micro USB cable connect to PC. (Do not include cable)
- 3).Pressing the [MODE/] button and set the power switch to [ON], the LCD will display firmware upgrade interface.
- 4).Complete the firmware upgrade operation according to the prompt of software.



C.Fn Setting Custom Functions



Press the function button [C.FN] to enter into the custom function setting, rotating the [] to choose the items which need adjusted. Then press the [] button to enter into the program setting mode. After finishing the custom settings, press the function button [] return to the ready shooting state.

FN.00: TX Auto off (Set-top, Master Mode Auto Power Off)

When the speedlite is not operated in Set-top flash or master flash ,the power turns off automatically to save energy
0:OFF (Disable) ; 1:30MIN; 2:45MIN; 3:60MIN

FN.01: RX Auto off (Slave mode Auto Power Off)

When the speedlite is not operated in slave flash, the power turns off automatically to save energy

FN.02: Modeling (Modeling flash)

0:  -Enabled Depth-of-field preview button
1:  -Enabled test firing button
2:  /  - Enabled with both buttons
3:Off

FN.03: Feb auto cancel

You can set whether or not to cancel FEB automatically after shooting three shots with FEB.
0:ON (Enabled)
1:OFF(Disabled)

FN.04: Feb order

You can change the order of the FEB sequence, 0: Standard exposure, -:Decreased exposure (darker) and +: Increased exposure (brighter).
0: 0 → - → +; 1: - → 0 → +

C.Fn: Setting Custom Functions

FN.05: **Test output (Test firing with autoflash)**

You can change the flash output when firing the test flash in E TTL autoflash mode.

0: 1/32 (1/32)

1: 1/1 (full power)

FN.06: **AF lamp (AF-assist beam firing)**

0: OFF(Disabled)The AF-assist beam is not fired from the speedlite

1: ON(Enable)

FN.07: **Beep**

0: OFF

1: ON

FN.08: **Backlit (LCD panel illumination)**

When a button or dial is operated, the LCD panel illuminates. You can change this illumination setting.

0: 12sec (On for 12 sec.)

1: OFF (Disable panel illumination)

2: ON (Illumination always on)

FN.09: **Lcd Contrast (LCD panel display contrast)**

0-9:You can adjust the contrast of the LCD panel

FN.10: **RF Compat (Radio compatibility mode)**

0: RF602

1: RF603(Default)

FN.11: **Slave Indicator**

0: OFF

1: ON

Troubleshooting

1. Power does not turn on or the flash does not fire.

- Make sure that the batteries are installed in the correct orientation.
- Please check if the speedlite is in overheat protection status.
- If the electrical contacts of the speedlite and camera are dirty, clean the contacts.

2. The flash automatically shut off the power.

Please check if the flash enable the power saving mode or whether the battery power is enough.

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 20~200mm of the medium format system. You can try to pull out the wide-angle diffuser to expand the flash range.

5. Wireless slave unit doesn't fire.

Please check if the mode (C.FN10: RF602 or RF603 mode) of wireless master unit and slave unit are set the same. Different mode setting will lead to abnormal communication. Please set the channel of wireless master unit same as the slave unit, and make sure the wireless slave unit is located in the effective transmission range.

6. The optical slave unit does not fire.

Set the transmission channel and of the master unit and slave unit to the same numbers. Check that the slave unit is within the transmission range of the master unit.

7. Other problems.

Try to clear the settings of flash and camera, try to disable the flash power source and then restart the flash.

Specifications

Circuit design:	Insulated Gate Bipolar Transistor (IGBT)
Guide No.:	60 (ISO 100,200mm)
Flash mode:	ETTL, M, Multi,Gr
Trigger mode:	Set-top mode, radio wireless master mode, radio wireless slave mode, optical slave mode,S1,S2
Zoom :	Auto,20,24,28,35,50,70,80,105,135,200mm
Vertical rotation angle:	-7~150 degrees
Horizontal rotation angle:	0~360 degrees
Power supply:	11.1V 1800mAh Li-ion battery
Full power flashes :	700 times
Recycle time:	Approx 1.5s
Flash color temperature:	5600k
Flash time:	1/200s~1/20000s
Flash control:	8 levels of output control (1/128~1/1), 29 levels of fine tuning
External interface:	Hot shoe, USB port, PC port
Optical transmission triggering distance:	20~25m indoor, 10~15m out door
Radio transmission triggering distance:	Up to 100m
Additional features:	Master flash, Slave flash, high-speed sync, second-curtain sync, FEC, FEB, FEL, the electronic flash head zooming, sound prompt, automatically saving setting, PC port, power saving mode, overheat protection, custom functions (C.Fn)
Dimensions:	206×75×56mm(extended state)
Net weight:	445g
Contains items(kit):	Speedlite(1), Li-ion battery(1), Battery protective case(1), Charger(1), ACAdapter(1), Protecting bag(1), Mini stand (1), Usermanual(1)

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

The YONGNUO logo in this manual includes the registered trademark or trademark of Shenzhen Yongnuo Photography Equipment Co., Ltd in China or/and other countries(regions). All other trademarks are the property of their respective owners.

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警告

- 请勿让本产品淋雨或受潮，以免发生火灾或触电。
- 处理电池时，请将电池的触点包裹好以避免短路，并请遵守好当地有关处理电池的规定。
- 请将电池或容易误吞的东西远离儿童存放，如果误吞了物体，请立即与医生联系。
- 不要近距离对人体的眼睛使用闪光元件，否则有可能对人体视网膜造成伤害。
- 不要对需要高度注意力的人使用闪光灯，否则有可能引发安全事故。
- 如果发生以下情况，请立即取出电池并停止使用。
- 本产品跌落或受到强烈冲击，使产品的内部裸露。
- 电池内部腐蚀性液体泄漏，此时应带手套取出电池。
- 产品发出奇怪的气味，发热或冒烟。
- 请勿自行拆卸或维修本产品，如果接触产品内部的高压电路，可能会触电。
- 长期不使用本产品时，请取出电池。

产品功能简介

• YN862C采用锂电池供电设计，极速回电系统

使用1800mAh容量锂电池，支持1.5秒快速回电，全光输出可达700次。

• 支持无线电闪光功能

YN862C设置为主控单元时，可控制、引闪YN862C（从属模式）、YN622C II（560RX模式）等被控单元实现ETTL/M/Multi闪光、高速同步、焦距控制等功能。YN862C设置为从属单元时，可接收YN862C，YN560-TX Pro等TTL主控单元的控制、引闪信号，实现ETTL/M/Multi模式离机闪光；可接收YN560-TX (II)/RF603/RF605的控制、引闪信号，实现M/Multi模式闪光。

• 大指数，支持高速同步功能

Gn60@ ISO100,200mm，支持TTL闪光、手动闪光、频闪闪光及GR分组闪光，支持高速同步，最高同步速度可达1/8000秒。

• 支持电动变焦功能

支持自动和手动变焦，灯头覆盖焦距可在AUTO,20~200MM之间变动。支持无线控制从属闪光灯的焦距功能。

• 支持USB固件升级

配备USB接口，支持固件升级，用户可登录永诺官网下载固件升级包对闪光灯进行升级。

• 支持无线光从属功能

可接收永诺、C家光学主控信号，支持S1和S2避预闪触发模式。

• 支持自动保存设置、支持自定义设置（C.FN）

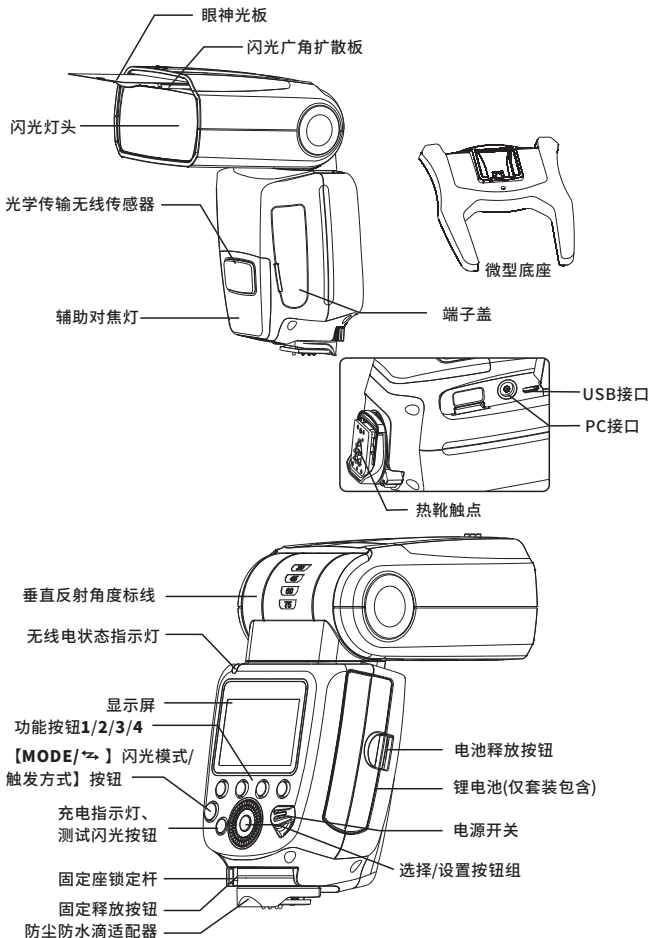
• 配备精细点阵LCD显示屏、标准PC接口

快速使用指南

如果您没有时间浏览整本说明书，请阅读本节内容。

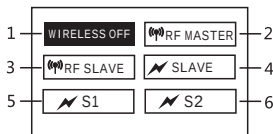
1. 请避免最大输出功率的过度使用，可有效延长本品的使用寿命（进入过热保护时，建议将闪光灯闲置10分钟以上）。
2. 长按【MODE/🔍】按钮并旋转选择拨盘切换闪光触发方式，短按【MODE/🔍】按钮在各闪光模式切换，在不同的触发模式下，可选的闪光模式会有不同。
3. 功能按钮1/2/3/4根据当前闪光灯状态的不同，此四个功能按钮可操作当前按钮上方所对应的液晶屏所显示的功能，详细内容见后续章节。
4. 当作为主控单元使用时，按功能按钮【CH】进入频道设置状态，短按功能按钮【GR/ZM】切换分组，长按该按钮设置分组焦距，按功能按钮【RATIO】设置光比模式，转动【🌀】设置曝光补偿或闪光输出。
5. 同时按下功能按钮2和功能按钮3保持不放，将闪光灯拍摄功能设置和无线拍摄设置恢复为默认和普通机顶TTL闪光模式状态。
6. 短距离闪光拍摄时，将闪光灯头向下倾斜7度，可以在大约0.5至2米范围内拍摄短距离的被摄体。

部件



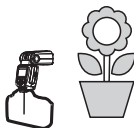
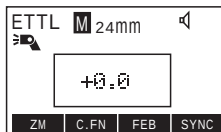
液晶显示屏-触发模式

长按【MODE/】按钮并旋转选择拨盘切换闪光触发方式。



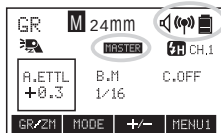
1.WIRELESS OFF 无线关闭 (机顶模式)

📡: 机顶模式



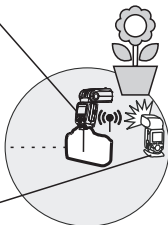
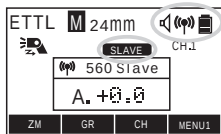
2.RF MASTER 无线电主控拍摄

📡: 主控闪光



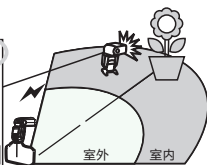
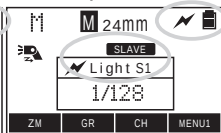
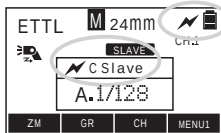
3.RF SLAVE 无线电传输从属模式

📡: 从属闪光



📡: 光学传输无线拍摄(从属) 📡: 从属闪光

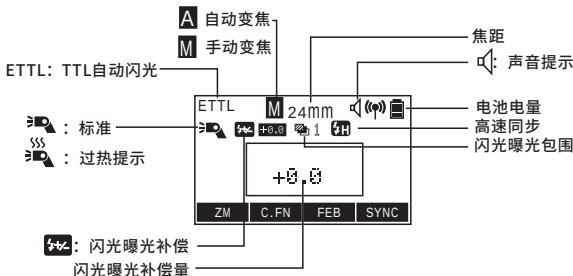
4. SLAVE光学从属模式 5.S1模式/6.S2模式



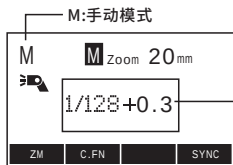
液晶显示屏-闪光模式

短按【MODE/】按钮可以在各闪光模式切换，包括ETTL/M/MULTI/GR,在不同的触发模式下，可选择的闪光模式会有不同。

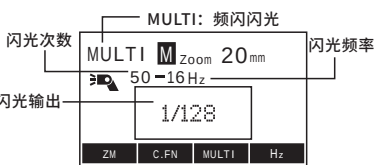
ETTL自动闪光液晶屏显示



手动闪光液晶屏显示



频闪闪光液晶屏显示



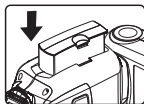
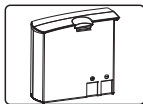
分组闪光液晶屏显示



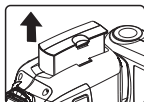
产品安装

1. 安装电池及取出电池

根据图示，将锂电池完全推入闪光灯电池仓，在电池锁定杆听到咔嚓声时，电池将被安装。



要取出锂电池，按箭头方向拨动电池锁定杆，锂电池将自动弹出。

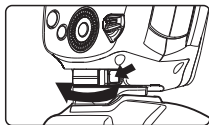
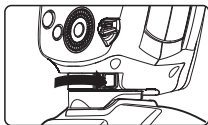
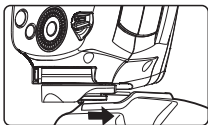


2. 安装及取下闪光灯

将闪光灯【热靴座】完全推入相机热靴。

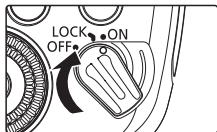
如箭头所示，将【固定释放旋钮】底座上的锁定杆滑动到右侧，在锁定杆发出咔嚓声的位置，闪光灯将被锁定。

按住【锁定释放按钮】的同时向左滑动锁定杆，取下闪光灯。



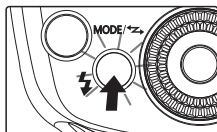
3. 开启及关闭电源

将电源开关拨到【ON】位置，闪光灯开机并开始充电，开启电源后【充电指示灯】亮红灯，表示可以进行闪光。闪光灯使用完毕后，将电源开关拨到【OFF】位置即可关闭电源，推荐通过该开关关闭闪光灯电源后取出电池。通过将电源开



4. 测试闪光

在闪光灯充电指示灯变为红色后可以按下闪光测试按钮来测试闪光是否正常。



基本功能操作

1.按钮操作

【ON/OFF】开关	拨到“ON”、“OFF”位置开启或关闭电源,Lock位置锁定按钮,可以关闭闪光灯的按钮和拨盘操作。使用此功能以防止设定功能设置后意外地将其改变。
【MODE/  】按钮	短按该按钮并旋转选择拨盘选择闪光模式 长按该按钮并旋转选择拨盘切换闪光触发方式
【  】选择拨盘	在选中一个需要设置的参数后,通过此拨盘调整参数,相关操作详见后续章节
【  】选择/OK按钮	确认保存设置好的参数设置
【功能按钮1/2/3/4】	根据当前闪光灯的状态不同,四个功能按钮所对应的作用也有所不同,相关操作详见后续章节
【TEST】按钮	测试闪光

2.【充电指示灯】状态

状态	含义	处理方法
亮红灯	闪光灯充电完成,可以进行闪光	正常
亮绿灯	闪光灯快速闪光*就绪	可以进行快速闪光
熄灭	闪光灯充电未完成	请等待闪光灯充电完成

*关于快速闪光

快速闪光功能可以在闪光就绪指示灯为绿色期间(闪光灯完全充电之前)进行拍摄,此时闪光指数是完全闪光时的1/2到1/6,对于以更快的回电时间在较短的拍摄距离拍摄很有帮助。

3.无线电状态指示灯含义

指示灯状态	含义
绿色	无线电通信状态
红色	引闪

4.背光灯颜色含义

背光灯颜色	状态
绿色	机顶或主控模式
橙色	从属模式
红色	闪光灯过热

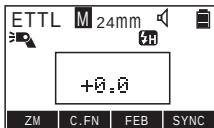
基本功能操作

5.【声音提示】的含义

声响方式	含义	处理方法
嘀---长响	闪光灯充电完成，可以闪光	正常
滴滴滴 滴滴滴	曝光可能过度	调整曝光设置或拍摄条件
滴滴滴	曝光可能不足	调整曝光设置或拍摄条件
嘀-滴滴滴滴	过热保护提示	闲置 10 分钟等待过热解除
嘀-嘀-嘀	电量不足，闪光灯即将关机	请给电池充电

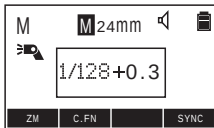
6.TTL(自动闪光)模式

TTL模式下，相机的测光系统会侦查从主体反射回来的闪光照明，从而自动调节闪光输出量，使主体和背景得到均衡曝光。TTL模式可设置闪光曝光补偿、闪光曝光包围、曝光锁定，详情见高级应用章节。



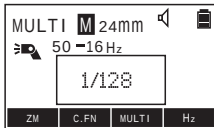
7.M（手动闪光）模式

在M模式下，您可以根据自己的需求设定闪光亮度，通过短按功能按钮【+/-】，当闪光输出被突出显示后转动【】调整闪光灯输出亮度。M模式的闪光输出亮度的调整范围是1/128~1/1，亮度共8档，每一档最多可有3档微调，以1/3EV作为调节增量，共29级微调。



8.Multi(频闪闪光)模式

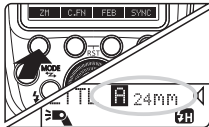
Multi模式即频闪模式，在该模式下，闪光灯将与您设置好的输出功率、闪光频率与次数闪光。通过功能按钮【MULTI】选中闪光次数，通过功能按钮【 Hz】选中频率，然后通过【】调整闪光次数和闪光频率。闪光输出亮度的调整方法同M模式的设置方法一样。闪光次数范围为1~100，闪光频率范围为1~199。



基本功能操作

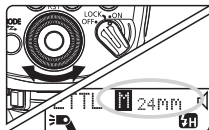
9.灯头自动变焦功能

将闪光灯安装在相机上，按功能按钮【ZM】，待液晶屏上的焦段数值被突出显示后通过【】调节覆盖范围，当显示【】时，闪光灯杯将会随着镜头焦距变化而前后移动，以适应不同的闪光覆盖范围。



10.灯头手动变焦功能

按功能按钮【ZM】，待液晶屏上的焦段数值被突出显示后通过【】调节覆盖范围，当显示【】时，可以手动调整闪光覆盖范围



11.辅助对焦灯功能 (C.Fn06)

当光线不足以自动对焦时会启动信号发射器的辅助对焦灯功能。在自定义功能中设置启用或禁用。

12.关于锁定功能

通过将电源开关设为<LOCK>，可以关闭闪光灯的按钮和拨盘操作。使用此功能以防止设定信号发射器功能设置后意外地将其改变。如果操作按钮或拨盘，会在液晶显示屏上显示<LOCKED>。

13.过热保护

连续拍摄过于频繁时，闪光灯灯头的温度可能会升高，闪光灯将会出现过热警告，此时液晶屏上将显示【】图标，回电时间将会变慢。

当闪光灯过热提示图标显示后仍继续闪光，则可能会激活过热保护闪光限制，此时液晶显示屏照明将以红色点亮，闪光灯无法触发闪光，此时请将闪光灯闲置10分钟，等待闪光灯冷却。



- 当闪光灯出现过热警告时请适当降低闪光频率或闪光输出。
- 当连续多次闪光后取出电池，请小心电池可能会很烫。

14.关于电池电量

当电池电量不足时，显示屏会显示如图，此时请给电池充电。

LOW ENERGY

无线闪光拍摄：无线电传输

· 使用兼容的永诺无线引闪器和闪光灯(第14页)，可按照普通闪光拍摄同样的方法进行拍摄。本系统设计为安装在相机上的闪光灯（主控单元）的设置会自动反映在受无线控制的闪光灯（从属单元）上，因此，在拍摄期间不需要操作从属单元。主控单元指装在相机上的闪光灯或无线引闪器，从属单元指通过无线电控制的闪光灯或无线引闪器。基本相对位置和操作范围如图所示。

定位和操作范围（示例）

- 使用附带的微型支架定位从属单元。
- 开始拍摄前进行测试闪光和试拍。
- 根据从属单元的位置、周围环境和天气状况等，传输距离可能更短。



1. 无线电主控单元设置

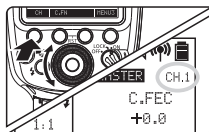
将安装在相机上的YN862C设置为主控单元。

- 长按【MODE/】按钮，转动【】选中【RF MASTER】，按【】按钮确认。



设置无线电频道

- 按功能按钮【MENU】，直至显示【CH】，按功能按钮【CH】，在液晶屏上的频道突出显示后转动【】设置无线电频道，支持频道1-16。



2. 无线电从属单元设置

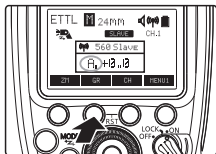
将要被控制的YN862C设置为无线电从属单元。

- 长按【MODE/】按钮，转动【】选择【RF SLAVE】图标，按【】按钮确认。然后设置频道（同主控单元设置方法，将从属单元的频道设置成与主控单元一致）。
- 从属单元闪光灯就绪时，自动辅助对焦灯以1秒间隔闪烁(可通过自定义功能FN.11关闭)。



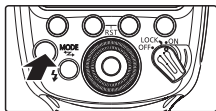
无线闪光拍摄：无线电传输

- 按功能按钮【GR】设置从属单元的组别，共有A/B/C/D/E/F 6个分组可供选择。
- 按【MODE/】按钮设置闪光模式，支持ETTL,M,Multi模式，转动【】设置曝光补偿或闪光输出(也可以通过支持的主控单元设置)。



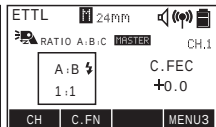
3.通过主控单元设置闪光模式及分组

- 短按主控单元【MODE】按钮依次选择闪光模式ETTL/M/MULTI/GR。
- A/B/C分别代表从属A/B/C分组闪光灯，其中主控单元设置同A组，选择不同的闪光模式，可以设置的参数不同。在GR模式中，支持A/B/C/D/E 5个分组。



ETTL（自动闪光）模式

支持三组光比设置，支持曝光补偿及曝光包围



MENU1 菜单按钮，按此按钮在**MENU1/MENU2/MENU3**之间切换

+/- 曝光补偿按钮（仅限TTL/GR模式）

FEB 曝光包围按钮（仅限TTL/GR模式）

  设置主控闪光灯是否参与闪光，:参与闪光，:不参与闪光(OFF)

RATIO 光比按钮，每次按该按钮，设置变化如下：

RATIO OFF(ALL)→A:B→A:BC

GR/ZM 分组/焦距按钮，短按该按钮，依次在各组闪光灯切换，然后转动【】设置当前分组光比/曝光补偿/闪光输出，长按进入焦距设置。

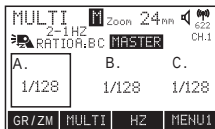
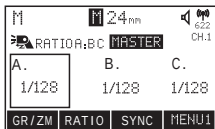
CH 频道设置按钮

SYNC 同步模式按钮（在无线电主控模式下，支持前帘同步或高速同步，不支持后帘同步）

无线闪光拍摄：无线电传输

M (手动闪光) 模式/Multi (频闪光) 模式

支持三组闪光灯光比设置，支持三组闪光灯使用不同的闪光输出，在频闪光模式下，支持频闪次数/频闪频率设置。

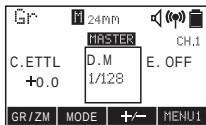
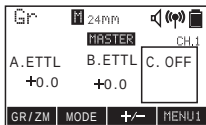


MULTI 设置频闪次数 (仅限MULTI模式)

HZ 设置频闪频率 (仅限MULTI模式)

GR (组闪光) 模式

支持A/B/C/D/E5组闪光灯分别设置为M/ETTL模式或关闭 (OFF)。



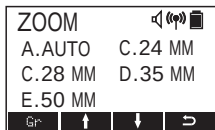
GR/ZM 短按该按钮，依次在各组闪光灯切换。

MODE 分组闪光模式按钮，可分别设置为M/TTL模式或OFF (关闭)

5. 无线主控分组焦距设置

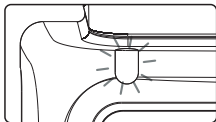
长按功能按钮【**GR/ZM**】进入分组焦距设置界面。

按功能按钮【**GR**】切换分组，转动【**DISC**】或按【**+**】【**-**】设置焦距，按【**DISC**】返回。



6. 测试闪光

• 半按相机快门按钮，主控单元、从属单元无线电状态指示灯以绿色点亮，代表正常通信。
按下主控单元闪光灯的测试按钮，从属闪光灯闪光。



• 当需要更大的闪光输出时，可以增加从属单元的数量。

无线闪光拍摄：无线电传输

7.关于YN862C使用主控模式支持的无线电引闪器/闪光灯兼容性列表

接收器 (闪光灯)	频道	分组功能	TTL闪光	手动闪光	远程焦距 设置
YN862C	CH1- CH16	支持	支持	支持（可通过 YN862C设置输出）	支持
YN968C (560 SLAVE)	CH1- CH16	支持	支持*	支持（可通过 YN862C设置输出）	支持
YN560III/IV YN860Li YN720	CH1- CH16	支持	不支持	支持（可通过 YN862C设置输出）	支持
YN685 (RF 603 SLAVE)	CH1- CH16	支持	支持*	支持（可通过 YN862C设置输出）	支持
YN622C II (560-RX模式)	CH1- CH7	支持 (A/B/C组)	支持*	支持（可通过 YN862C设置输出）	支持
RF605系列	CH1- CH16	支持	不支持	支持（需要在闪 光灯上设置输出）	不支持
RF603(II)系列 RF602	CH1- CH16	不支持分组 (所有组闪光)	不支持	支持（需要在闪 光灯上设置输出）	不支持

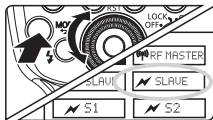
***需要通过永诺官网下载并更新产品固件**

8.关于YN862C使用从属模式支持的无线电引闪器/闪光灯兼容性列表

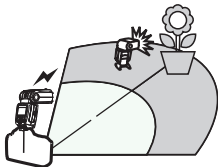
发射器 (闪光灯)	频道	分组功能	TTL闪光	手动闪光	远程焦距 设置
YN862C	CH1- CH16	支持	支持	支持（可通过发 射器设置输出）	支持
YN560IV YN860Li YN720	CH1- CH16	支持	不支持	支持（可通过发 射器设置输出）	支持
YN560-TX PRO	CH1- CH16	支持	支持	支持（可通过发 射器设置输出）	支持
YN560-TX YN560-TX II	CH1- CH16	支持	不支持	支持（可通过发 射器设置输出）	支持
RF605系列	CH1- CH16	支持	不支持	支持（需要在闪 光灯上设置输出）	不支持
RF603(II)系列 RF602	CH1- CH16	不支持分组 (所有组闪光)	不支持	支持（需要在闪 光灯上设置输出）	不支持

无线闪光拍摄：光学从属

- 将要被无线光学控制的YN862C闪光灯设置为从属单元。
- 长按【MODE/  按钮，转动【  选择其中一个光学从属模式，包含SLAVE，S1，S2模式，按【】按钮确认。

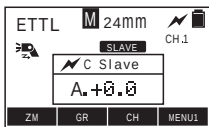


请使光学触发感应器对着主控单元闪光灯，使用SLAVE模式时，需将从属单元与主控单元设置在同一通信频道上。有关主控单元设置请参考主控单元说明书。

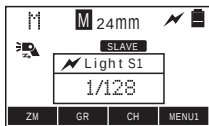


S1/S2模式分别适用于手动闪光环境和TTL闪光环境，在这两种模式下调整输出亮度的方法和普通机顶手动闪光模式一样，只需要转动【】即可。

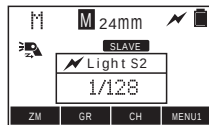
SLAVE模式可接收YN568EX II/580EX II/7D 60D/600D等主控单元信号。支持4个频道，3个分组，实现TTL及手动无线闪光。



S1模式：当闪光灯处于S1模式，它会与主闪光灯的第一次闪光同步触发闪光，效果与使用无线引闪器一样。要正常使用该模式，您的主闪光灯应设置为手动闪光，不应使用具有预闪的TTL闪光系统，也不应使用具有多次闪光的红眼减轻功能。



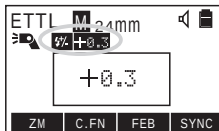
S2模式：又被称为"预闪取消模式"，该模式与S1类似，但它能忽略TTL闪光灯发出的预闪，因此可以支持工作在TTL模式的主闪光灯。特别地，如果S1模式无法与您的内置闪光灯正确同步闪光，您可以尝试使用S2模式。



高级功能操作

1. 闪光曝光补偿(FEC)

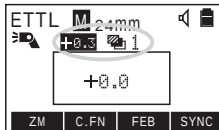
在TTL模式下，转动【】对闪光亮度进行补偿，补偿范围是-3EV~+3EV，精度为1/3EV。



 当闪光灯、相机、引闪器上同时设置了曝光补偿时，补偿值将会叠加。

2. 闪光曝光包围(FEB)

在TTL模式下，通过功能按钮【**FEB**】并转动【】设置曝光包围。设置曝光包围后，每拍摄3张照片将自动对曝光进行一定正负补偿，例如按照“正常→不足→过度”的顺序进行曝光，这个功能可以帮助您提高拍摄的成功率。

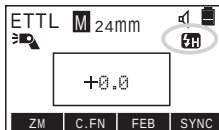


3. FE锁定(FEL)

使用本功能应将相机取景窗中央覆盖要锁定闪光曝光的主体，按下相机的闪光曝光锁定【*】按钮，闪光灯发出预闪，相机将计算合适的闪光输出数据，此时您有一段时间来重新构图，构图完毕后就可以按下快门进行拍摄(该功能需要您的相机支持才能使用，请参照您的相机说明书进行设置)。

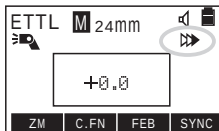
4. 高速同步闪光

使用高速同步(FP闪光)，您可以在所有的快门速度下同步使用闪光灯，最高同步速度达1/8000秒。高速同步闪光在使用光圈优先对人像进行填充闪光时特别方便。通过操作功能按钮【**SYNC**】开启或关闭高速同步功能。



5. 后帘同步闪光*

您可以使用慢速快门，为拍摄主体制造拖影，闪光灯会在快门即将关闭的那一刻闪光(后帘同步需要相机机身支持，其设定方法请参考相机说明书)。通过操作功能按钮【**SYNC**】开启或关闭后帘同步功能。

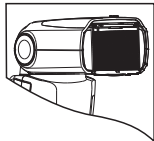


*使用ETTL无线电闪光功能时，不能在闪光灯上设置后帘同步功能。

高级功能操作

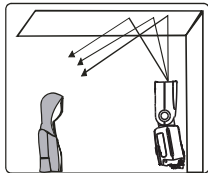
6.使用广角扩散板

拉出广角扩散板，推回反射板，并按示意图摆放，焦距扩展至**14MM**，变焦位置会锁定，闪光范围将会扩大，同时闪光效果将更加柔和自然。



7.反射闪光

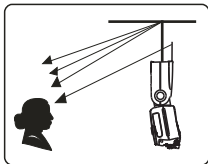
反射闪光是指通过将[闪光灯头]指向墙壁或天花板，借助天花板或墙壁反射回来的光照亮物体来进行拍摄(俗称“跳闪”)。这样可以减轻被摄物体背后阴影，获得更自然的摄影效果。



 如果墙壁或天花板太远，反射闪光可能太弱导致曝光不足。墙壁或天花板应该是平坦的，白色的，以利于高效的反射，如果反射表面不是白色的，照片上可能会出现偏色。

8.利于反射板（眼神光板）拍摄

使用【反射板】闪光，把反射板和广角扩散板从灯头一起拉出，将广角扩散板推回。如果此时进行拍摄，可以在主体的眼睛造成高光点，使眼神更加迷人有光彩（眼神光）。此功能在灯头向上仰**90度**时能达到最好的效果。



9.PC同步口（输入）

通过连接标准**PC**同步口，可以使闪光灯同步闪光。

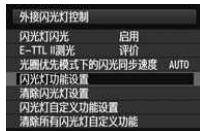
10.高速连拍

本闪光灯可以支持高速连拍功能，请将相机设置为连拍模式，再进行拍摄即可。能连拍的照片数量与设置的亮度有关，请使用电量充足的电池。

高级功能操作

11. 从相机的菜单画面进行闪光灯控制

当使用2007年以后发售的EOS数码相机时，可以从相机的菜单画面设定闪光灯功能、或自定义功能。有关相机操作，请参见相机的使用说明书。

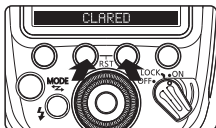


12. 短距离闪光拍摄

将闪光灯头向下倾斜7度时，可以在大约0.5至2米范围内拍摄短距离的被摄体。

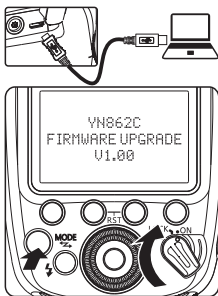
13. 恢复出厂设置

同时按下功能按钮2和功能按钮3保持不放，可将闪光灯拍摄功能设置和无线拍摄设置恢复为默认的普通机顶TTL闪光模式状态。

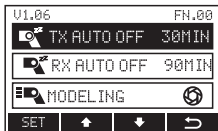
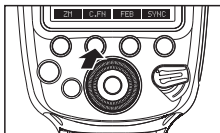


14. 固件升级

- 1). 登录永诺官方网站(www.hkyongnuo.com) 下载固件升级程序及最新固件。
- 2). 关闭电源，使用USB-Micro USB连接线（需另购）与PC进行连接。
- 3). 按住【MODE/☑】按钮的同时将电源开关设置在【ON】开机，屏幕显示进入固件升级界面。
- 4). 按照软件上的提示完成固件升级操作。

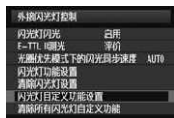


C.Fn设定自定义功能



按功能按钮<C.FN>设置自定义功能。转动[]或按[][]按钮选择需要设置的项目，按[]按钮进入设置。按[SET]按钮进行快速设置，按[]按钮返回主菜单。

此外，还可以从相机的菜单画面进行信号发射器自定义功能设置，选择[闪光灯自定义功能设置]或[外接闪光灯的自定义功能设置]选择自定义功能编号并设定功能。



FN.00: TX Auto off (机顶、主控模式自动关闭电源)

当没有操作闪光灯时，电源自动关闭以节能。

0: OFF (关闭此功能) ; 1: 30MIN; 2: 45MIN; 3: 60MIN

FN.01: RX Auto off (从属模式自动关闭电源)

当没有操作闪光灯时，电源自动关闭以节能。

0: OFF (关闭此功能) ; 1: 60MIN; 2: 90MIN; 3: 120MIN

FN.02: Modeling (造型闪光)

0: 通过景深预览按钮

1: 通过闪光灯测试按钮

2: / 两个按钮均可

3: OFF (关闭造型闪光)

FN.03: Feb auto cancel (闪光包围曝光自动取消)

可以设定用FEB拍摄三张照片后是否自动取消FEB。

0: ON (启用) ; 1: OFF (关闭)

FN.04: Feb order (闪光包围曝光顺序)

可以改变FEB的顺序，0: 标准曝光、-: 减弱曝光(较暗)和+: 增强曝光(较亮)。

0: 0 → - → +; 1: - → 0 → +

C.Fn设定自定义功能

FN.05: Test output (用自动闪光测试闪光)

可以改变在E-TTL II/E-TTL自动闪光模式下进行测试闪光时的闪光输出。

0: 1/32 (1/32)

1: 1/1 (全输出)

FN.06: AF lamp (自动对焦辅助光闪光)

0: OFF(关闭)闪光灯不发出自动对焦辅助光。

1: ON(启用)

FN.07: Beep(提示音)

0: OFF (关闭)

1: ON (启用)

FN.08: Backlit (液晶显示屏照明)

当操作按钮或拨盘时，液晶显示屏点亮。可以改变此照明设置。

0: 12sec (照明12秒)

1: OFF (关闭显示屏照明)

2: ON (持续照明)

FN.09: Lcd Contrast (液晶显示屏对比度)

0-9:选择液晶显示屏对比度

FN.10: RF Compat (无线电兼容模式)

0: RF602

1: RF603

FN.11: Slave Indicator (从属单元指示灯)

0: OFF (关闭)

1: ON (启用)

故障排除指南

1.无法开启电源或闪光灯不闪光

请检查电池是否安装正确、电池电量是否充足；

请检查闪光灯是否处于过热保护状态；

请检查闪光灯热靴与相机之间是否接触良好，如果闪光灯或相机的热靴触点变脏，请清洁触点。

2.闪光灯自动关闭电源

请检查闪光灯是否开启了节电功能及电池电量是否充足。

3.照片欠曝或过曝

请检查此时相机设置的快门，光圈，感光度(**ISO**)是否过于接近闪光的极限，或者相机曝光补偿、曝光包围等与闪光有关的设置是否正确。

4.相片出现暗角或者被摄物体只有局部能照亮

请检查闪光灯当前的覆盖焦距。请检查镜头焦距是否超出闪光灯的覆盖范围，本产品设计的灯头变焦范围是**20~200mm**，您可以尝试拉出广角扩散板，以扩大闪光范围；如果距离被摄物体太近，请远离被摄物体；在**2米**以内请将闪光灯灯头设定为**-7度**。

5.无线电从属单元不闪光

请确认无线电主控单元及从属单元使用的模式一致(**RF602**或**RF603**模式)，使用不同的模式将不能正常通信。请将无线电主控单元和从属单元的频道设为一致，并确保无线电从属单元位于主控单元的有效传输范围内。

6.光学无线传输不闪光

请将主控单元和从属单元的频道设为一致；请确保从属单元位于主控单元的有效传输范围内；请确保从属单元的无线传感器朝向主控单元，并尽可能不要在主控单元与从属单元之间放置障碍物。

7.其他故障

尝试清除相机及闪光灯功能设置，尝试关闭闪光灯电源然后重启闪光灯。

规格

线路设计:	自动绝缘两级晶体 (IGBT)
闪光指数:	60(ISO100,200mm)
闪光模式:	ETTL,M,Multi,Gr
触发方式:	机顶,无线电主控,无线电从属,无线光学从属, S1, S2)
灯头变焦:	自动, 20,24,28,35,50,70,80,105,135,200mm
上下旋转角度:	-7~150度
左右旋转角度:	0~360度
电源:	11.1V 1800mAh锂电池
发光次数:	700次
回电时间:	约1.5秒
闪光色温:	5600K
闪光时间:	1/200秒~1/20000秒
闪光控制:	8级亮度控制(1/128~1/1), 共29级微调
外部接口:	热靴, USB口, PC口
光学传输触发距离:	光学引闪距离室内20~25米, 室外10~15米
无线电传输触发距离:	可达100米
附加功能:	主控闪光、从属闪光、高速同步、后帘同步、曝光 补偿、曝光包围、曝光锁定、灯头电动变焦、声音 提示、自动保存设置、PC同步、节电模式、过热 保护、自定义功能
体积:	约206×75×56mm(伸展状态)
净重:	约404克
所含物品(套装):	闪光灯 (1), 锂电池(1), 电池保护盒(1), 锂电池 座充(1), 电源适配器(1), 保护袋(1), 微型底座 (1), 说明书(1)

本手册中的功能是依据本公司的测试条件获得。设计和规格如有变更, 恕不另行通知。

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产品保修卡

Warranty card

序列号

SN.

产品名称

Product Name

产品型号

Product Model

用户名称

Name

联系电话

Phone

购买日期

Purchase Date

地址

Address

邮编

Zip Code

故障说明

Failure Description

深圳市永诺摄影器材股份有限公司

深圳市坪山区坑梓街道深福保现代光学厂区A座

TEL:(086)0755-8376 2448 Email:service@hkyongnuo.com

FAX:(086)0755-8376 2768 Website:www.hkyongnuo.com

全国服务电话：400-001-3888