

闪光灯说明书

SPEEDLITE



中文
English

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使用说明书
Instruction Manual

Thank you purchasing this speedlite.

Please read carefully this manual before using, and then use this speedlite correctly on the base of though understanding.

Safety instruction

1. Never trigger the speedlite around flammable gas or liquid gas in the vicinity (such as gasoline and solvents) ! There be risk of explosion!

2. Neither shoot with the speedlite at drivers who are driving cars, buses or trains, nor the rider of motor and bicycle. They may be temporarily blind of the bright light and cause traffic accident.

3. Never trigger the speedlite at close range at the eyes! Using the speedlite directly at people or animal's eyes will damage the retinas and cause serious visual disturbance, even blindness.

4. Only use the batteries listed in this manual!

5. Never place the batteries in high-temperature environment, such as under the sun or in the fire.

6. Should remove the drained battery from the speedlite. Because the alkaline liquid exuding from the battery will damage the speedlite.

7. Do not charge the dry battery.

8. Note to protect the speedlite under extremely hot or damp environment!

9. Never put the speedlite in the glove box of the car dashboard. When trigger the speedlite, never put any light-proof items before or on the reflection shield. There can not be any dirt on the reflection, or the high energy that the speedlite emitted will burn the item or damage the reflection shield.

10. Never touch the speedlite after continuous triggering. There will be danger of burning!

11. Never unpack the speedlite by yourself! There will be danger of electricity shock! Non professional personal can not fix the component in the speedlite.

12. When doing fast continuous shooting under optical output, must stop 15 minutes every 10 continuous flashes.

13. When under optical output, continuously using the speedlite by high-speed recycling and the zoom position is less than 36mm, the diffuser will give heat out of the high energy.

14. The quick change of temperature will cause vapor condensation.

15. Never use any defected battery to this speedlite.

The Speedlite Features

1. TTL flash

2. Manual flash

3. Multi flash

4. Wireless master function: C version support Canon wireless trigger, N version support Nikon wireless trigger.

5. Wireless slave unit function: Compatibility with the Canon and Nikon wireless flash system, realize TTL from machine, manual and frequency flash

6. S1, S2 Light flashing mode

7. Flash control by Camera (Only for the newest Canon Version)

8. High-Speed Sync 1/8000s

9. Rear-curtain Sync

10. Voice prompt

11. Custom function

12. Power save mode

13. Overheating protection

14. Automatic save function

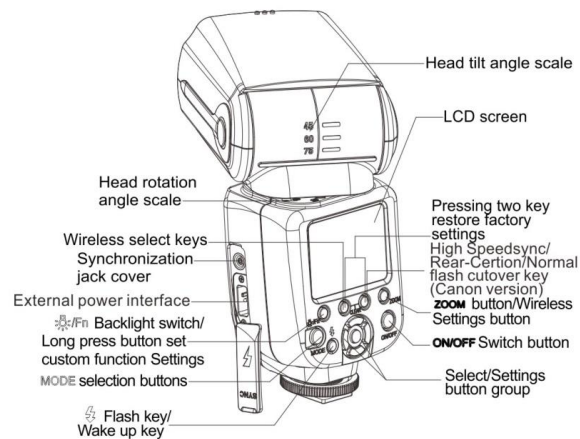
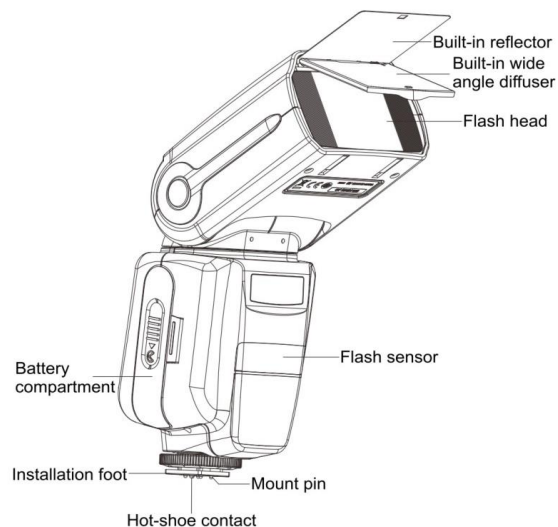
15. Large size LCD display

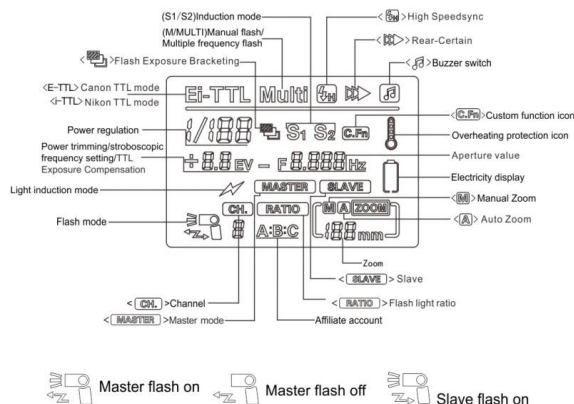
16. Manual, Auto zoom function

17. Quick response: Full output recycle time only 2.9 seconds

18. Support high speed continuous shooting: In 1/16 brightness and blew, It can support 12EPS high speed continuous shooting.

Nomenclature

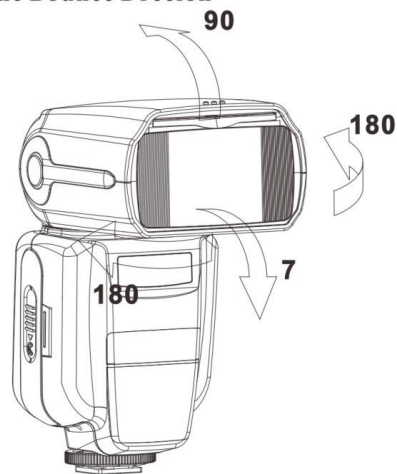




Auto-focus auxiliary AF assist lamp

When working under a darkness condition, the automatic AF which is in the right ahead of the flash light may temporary project red hard light to assist focusing. It may disturb the subject, you can turn to manual focusing.

Set the Bounce Drection



This speedlite can rotate up to 90 degree and down to 7 degree. Horizontal rotating 'left to right' or 'right to left' 180 degree. Rotating the speedlite to the ceiling or wall to make the image more natural.

Basic Operating

Installing the batteries



1. Open the cover

According to the direction of arrow to slide the battery cover then open it.

2. Install the batteries

According to the battery icon in the bulkhead [+] and [-] signs into the battery, make sure the battery positive and negative contacts are correctly oriented.

3. Close the cover

Sliding direction of the arrow battery cover, turn it off

The applicative battery or chargeable battery

Every battery below is applicative to this speedlite.

A. 4 (AA) alkaline manganese battery (1.5V). The battery can meet medium power demand and does not need maintenance, but it can not be recharged.

B. 4 (AA) nickel-cadmium battery (1.2V). The battery recycles quickly and can be recharged, so it is economic.

C. 4 (AA) nickel-metal hydride batteries (1.2V). This battery's power obviously exceed that of nickel-cadmium battery, and it is less

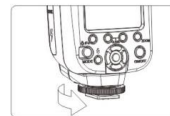
harmful to the environment (do not contain cadmium).

D. 4 (AA) lithium battery (1.5V). This battery has large capacity and is low of self-discharge rate and in no need of maintenance.

E. 4 (AA) hydrogen oxygen cell (1.5V). This battery is also called (OXYRIDE), its capacity is larger and its service life is about 1.5 times of alkaline battery's. So it is very applicative in electronic products of high power consumption.

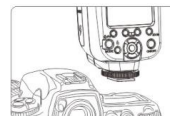
If use external acceleration power box, battery box or power pack, please put 4 (AA) batteries into the speedlite to supply CPU. If don't use the speedlite for a long time, you should remove the batteries.

Attaching to the camera



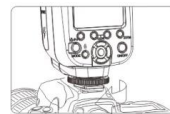
1. Prepare to attach the speedlite

Rotating the locking plate up to the highest point as the marked arrow.



2. Install the speedlite

Installing the speedlite light's mounting support into the hot shoe of camera.



3. Lock the speedlite

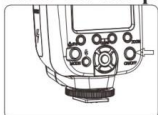
Tightening the locking plate as the marked arrow.

4. Detach the speedlite

Rotating the locking plate up to the highest point, then detach the speedlite from the hot shoe.

- Note: Make sure the speedlite and camera are turned off.
- Do not forcibly pull out force.

Turn on the power



Press the Power button (ON/OFF) for two seconds to turn on/off the speedlite.

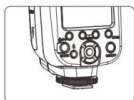
In order to save battery power and avoid battery leakage, The default setting are as following:

After automatically shut off power opened, When the speedlite do not working within 60 seconds, the CPU automatically into Sleep. In this case press any key to wake up the speedlite. When the speedlite does not work for more than 30 minutes, the CPU will shut down automatically.

If the speedlite is not used for a long period time, it is recommended to use the main power switch to turn off the speedlite and remove the power source (battery). Before removing the battery, turn off the power of the speedlite.

After the speedlite capacitor is full charged, the speedlite PILOT button lights up, indicating that the speedlite is ready to trigger. This means that the next time can use the speedlite when shooting.

State of charge indicator



Before shooting, confirmed that flash charging indicator light and camera viewfinder lights have been lit.

Extended Interface

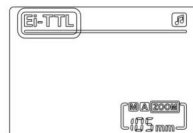
External power supply by extending the interface and complete PC synchronization



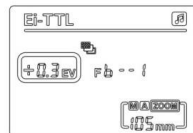
1. The external power connector
Provides more adequate power.
2. Connect with the PC sync
Make sure camera and speedlite synchronized flash.

TTL Flash

Set the camera's shooting mode to <P> (Program automatic exposure) or <□> (Auto), when fully automatic flash will make photography became as simple as <P> mode and <□> mode under normal automatic exposure.



- Set the flash exposure compensation value
1. Select the flash mode
 2. Press **[MODE]** mode button until the LCD display **E-TTL** Canon **E-TTL** Nikon



- Set the flash exposure compensation value.
- When press five select button settings group **[Up]** **[Down]** to set the compensation value.

1. Select the Settings button group **[RIGHT]** keys, power values increase sequentially.
Select the Settings button group **[LEFT]** keys, power values decrease sequentially.
2. The compensation value is in the range of +3.0EV to -3.0EV.
The compensation value icon:
0EV → +0.3EV → +0.7EV → +1.0EV → +1.3EV → +1.7EV → . . . → +3.0EV
0EV → -0.3EV → -0.7EV → -1.0EV → -1.3EV → -1.7EV → . . . → -3.0EV

Using E-TTL and Autoflash in the shooting Modes

Just set camera's shooting mode to <AV/A>(aperture -priority AE), <TV/S>(shutter-priority AE), or <M>(manual) and you can use E-TTL/i-TTL autoflash.

TV/S	Select this mode when you want to set the shutter speed manually. The camera then automatically set aperture matching the shutter speed to obtain a standard exposure. If the aperture display blinks, it means that the background exposure will be underexposed or overexposed. Adjust the shutter speed until the aperture display stops blinking.
AV/A	Select this mode when you want to set the aperture manually. The camera will then automatically set the shutter speed matching the aperture to obtain a standard exposure. If the background is dark like a night scene, a slow sync speed will be used to obtain a standard exposure of both the main subject and background. Standard exposure of the main subject is obtained with the flash, while a standard exposure of the background is obtained with a slow shutter speed. Since a slow shutter speed will be used for low-light scenes, using a tripod is recommended. If the shutter speed display blinks, it means that the background exposure will be underexposed or overexposed. Adjust the aperture until the shutter speed display stops blinking.
M	Select this mode if you want to set both the shutter speed and aperture manually. Standard exposure of the main subject is obtained with the flash. The exposure of the background is obtained with the shutter speed and aperture combination you set.

If you use the <DEP> or <A-DEP> shooting mode, the result will be the same as using the <P>(Program AE) mode.

Flash Sync Speeds and Apertures Used

	Shutter Speed Setting	Aperture Setting
P	Set automatically(1/60 sec.~1/Xsec.)	Automatic
TV/S	Set manually(30 sec.~1/Xsec.)	Automatic
AV/A	Set automatically(30 sec.~1/Xsec.)	Manual
M	Set manually(buLb, 30 sec.~1/Xsec.)	Manual

1/X sec. is the camera's maximum flash sync speed.

FEB setting value(canon version)



You can take three flash shots while automatically changing the flash output for each shot up to ± 3 stops in 1/3-stop increments (1/2-stops increments if the camera enables only 1/2-stop increments). This is called FEB(Flash Exposure Bracketing). For Feb,set the camera's drive mode to "single shot".Before shooting to ensure that flash ready.

Press "Five select settings button group" **【Up】** **【Down】** key to set the required exposure bracketing value.

1. Press "Five select settings button group" **【Up】** key,bracketing value increases;

Press "Five select settings button group" **【Down】** key,bracketing value decreasing.

2.The FEB is in the range of 0-3.0.

The FEB icon:

0	0.3	0.7	1.0	1.3	1.7	2.0	2.3	2.7	3.0
---	-----	-----	-----	-----	-----	-----	-----	-----	-----

FEL:Flash exposure lock


Flash exposure lock locks the correct flash exposure setting for any part of the scene.With <TTL> displayed on the LCD panel.You press the camera's <FEL>-button.If the camera does not have the <FEL>-button, press the "*" button. Nikon camera press "FV" button.If the camera support flash exposure lock: connect the flash screen under TTL mode, you can set the flash on the camera exposure by locking, after set, the speedlite will fire a preflash and the required flash output for the subject is retained in memory.The camera will calculate the flash compatible output data,you have time to composition again,after finishing composition can press the shutter to shot (this feature requires you to use the camera itself support,please refer to your camera manual settings).

Manual flash mode M

When you need a manual exposure,according to own requirements to set the brightness of the flash output between 1/128 power to 1/1 full power. Adjust the flash output with 1/3 speed increment,press the zoom button **【ZOOM】** into the manual zoom.



Select the flash mode

Press **【MODE】** mode button until the LCD display .

Power setting

1.Select the Settings button group **【RIGHT】** keys,power values increase sequentially.

Icon: 1/128→1/64→1/32→...→1/1

2.Select the Settings button group **【LEFT】** keys,power values decrease sequentially.

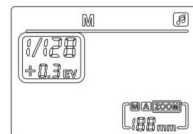
Icon: 1/1→1/2→1/4→...→1/128

3.Select the Settings button group **【UP】** **【DOWN】** keys,Fine tuning of the value of power of the flash.

Icon:

0EV→+0. 3EV→+0. 7EV

0EV→-0. 3EV→-0. 7EV



Stroboscopic flash mode(Multi)

Using Multi mode, you can issue a series of quick flash, it can shoot multiple images of moving objects on a photo, you can set the flash frequency (number of flashes per second can use Hz to show), the number of flashes and flash output. During repeated Multi mode, single exposure create a strobe effect of multiple exposures. This mode is often used when shooting moving objects.

To prevent the flash head overheat and damage, do not perform more than 10 times in a row strobe flash burst. Between twice repeated exposure operation please let flash plenty of time for the call back. After flash work for 10 times please let it cool for at least 15 minutes, if you are trying to perform more than 10 times in a row strobe flash burst the flash may automatically stop to prevent overheating of the flash head. If this happens, please let the flash cool for at least 15 minutes. Please use a new battery or a fully charged battery to operate this mode.

Under Strobe mode (Multi), It support flash power, time of flash as well as frequency regulation.



Select the flash mode
Press **【MODE】** mode button until the LCD display **Multi**.

Frequency setting

Select the setting button group **【MIDDLE】** key of settings button group to display **100 Hz** flicker. Press select settings button group **【LEFT】** **【RIGHT】** to set the frequency. The available flash frequency is 1HZ-199HZ. After value setted then select the setting button group **【MIDDLE】** key to confirm.



The number of flashes set

Select the Settings button group **【MIDDLE】** key to display **--** flashing. Select the Settings button group **【LEFT】** **【RIGHT】** key to set the number of flashes, the available number of flashes for 1-40. After Values setted and then select the Settings button group **【MIDDLE】** key to confirm.

Exposure power setting

Press select the Settings button group **【MIDDLE】** key until LCD display **1/128** flashing. Select the Settings button group **【LEFT】** **【RIGHT】** key to set the flash power. After Values is setted and then select the Settings button group **【MIDDLE】** key to confirm.

Flash power and the number of flash relational tables

Flash power	1-128	1-64	1-132	1-16	1-8	1-4
Flash number	1-40	1-20	1-12	1-8	1-4	1-2

【ZOOM】 Zoom settings



Press the zoom button **【ZOOM】** key to display the zoom data flashing. Select the Settings button group **【LEFT】** **【RIGHT】** key to set the appropriate focal length value. After focal length value have been setted, Press **【ZOOM】** key to confirm.

Select the Settings button group **【RIGHT】** key, focus values increase sequentially.

Select the Settings button group **【LEFT】** key, focus values decrease sequentially.

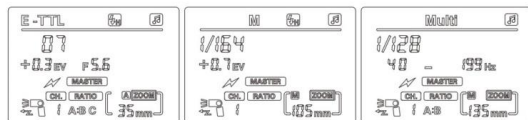
A	M	M	M	M	M	M	M	M	M	M
Automatic	18	24	28	35	50	70	85	105	135	180

Wireless flash mode

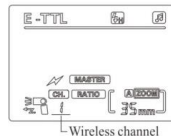
Wireless flash system is composed of multiple flash with wireless flash function complete the work. You can use as simple as ordinary TTL auto flash to create multiple flash effects. Press (Wireless select) key. The flash will be set wireless flash mode. LCD display Master. Press (wireless select) Key again. The flash will switch among MASTER/SLAVE C/SLAVE N/S1/S2 as well as Normal flash. Among them, Master flash as the master control unit. Trigger the slave flash to realize off camera TTL/M/Multi. Slave C/Slave N/S1/S2 working as slave unit to create multiple flash effects.

Wireless master mode(MASTER Canon)

Pressing [wireless select] key until LCD display master control mode "MASTER".



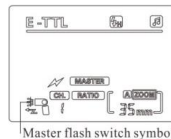
Wireless setting






Set master wireless channel:
Press [wireless setting] key to channel number (number under CH icon) flicker. Press [left][right] key to set wireless channel, the settable channels are 1~4.

Set master unit flash on/off:

You can disable the master control unit flash, so only the flash slave unit will flash.

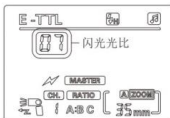
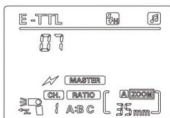
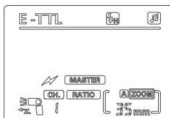


Set master control flash:
Press [wireless setting] key to  con flicker, [left][right] key set master control flash output.
Turn off master control flash, the icon show 
Turn on master control flash, the icon show 

Note: when Canon flash is master mode, the slave mode must be same as the master unit.

Automatic wireless master mode(MASTER Canon)

Under master mode, press [MODE] key to set master flash as automatic E-TTL mode for automatic flash shooting.



1. Press [MODE] key to set E-TTL mode
2. Press [wireless setting] key to <[RATIO]> flicker.
3. Select flash light ratio.

Press [left] [right] key to set flash light ratio which can be <RATIO>, <RAITO A: B> or <RATIO A: B: C>.

Select <ratio>, the three slave units all output with the same brightness as the master, it can set exposure compensation and exposure bracketing;

Select <RATIO A: B: C>, the three groups of flash are all on and can set AB output brightness ratio and C group's power compensation.

4. Set flash light ratio(<RATIO A: B> or <RATIO A: B: C>)

Select the setting button group [MIDDLE] key to <RATIO A: B> and flash light ratio flicker. Press select setting button group [LEFT] [RIGHT] to set the light ratio. Code for flash light ratio and light ration rational table

Code for flash light ratio and light ration rational table															
Code	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15
Flash light ratio	8:1	5.6:1	4:1	2.8:1	2:1	1.4:1	1:1	1:1.4	1:2	1:2.8	1:4	1:5.6	1:8	1:11.3	1:16

5. Set C group's power compensation

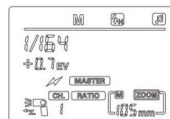
Select the setting button group [MIDDLE] key to <C> and power of C group's power compensation flicker. Press select setting button group [LEFT] [RIGHT] to adjust the power of flash light. Press [MIDDLE] key to exit when finish the setting.

The slave unit <C> do not flash if select <RATIO A: B>

The subject will overexposure if the slave unit <C> is toward the subject.

Manual wireless master mode(MASTER Canon)

Under Master mode, press [MODE] key to set master flash as manual M mode. Meanwhile you can set different output of every slave unit, you can complete setup using the master unit slave made is same as master mode.



1. Press [MODE] key to set as M mode
2. Press [wireless setting] key to <[RATIO]> flicker.
3. Select flash light ratio.

Press [left] [right] key to set flash light ratio which can be <RATIO>, <RAITO A: B> or <RATIO A: B: C>.

Select <ratio>, the three slave units all output with the same brightness as the master, it can set output of power;

Select <RATIO A: B>, A/B group flash on and can set AB output of power;

Select <RATIO A: B: C>, the three groups of flash are all on and can adjust the output of power separately.

4. Set output of flash(<RATIO A: B> or <RATIO A: B: C>)

Select the setting button group [MIDDLE] key to Affiliate account <A> and power of A group flicker. Press select setting button group [UP] [DOWN] [LEFT] [RIGHT] to adjust the power of A group.

Select the setting button group [MIDDLE] key to Affiliate account and power of B group flicker.

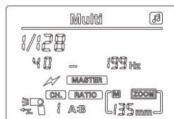
Press select setting button group [UP] [DOWN] [LEFT] [RIGHT] to adjust the power of B group.

Select the setting button group [MIDDLE] key to Affiliate account <C> and power of C group flicker.

Press select setting button group [UP] [DOWN] [LEFT] [RIGHT] to adjust the power of C group.

Stroboscopic Wireless master control mode (MASTER CANON)

When in master mode, press [MODE] key set master speedlight as Multi mode, then you can set slave speedlight, using master item to set all the function (slave item mode is same as master item).



1. press [MODE] button to send Multi mode.
2. Press [wireless set] button until <RATIO> flashing.
3. Choose flash rate

Press [LEFT] [RIGHT] to set flash rate, flash rate can be <RATIO><RATIOA : B><RATIOA : B : C> to choose flash rate as <RATIO>, means three slave groups can be changed same as master mode and output power, then press Multi mode to set power output.

Choose flash rate as <RATIOA : B> means open A/B group flash and can adjust A/B output power, choose flash rate as <RATIOA : B : C> means three groups flash open and can adjust power output.

4. set flash output (<RATIOA : B> or <RATIOA : B : C>)

Pressing the central key until flash number flashing.

Press [LEFT] [RIGHT] key to adjust frequency.

Press central key until flash time flashing, press [LEFT] [RIGHT] to adjust flash times.

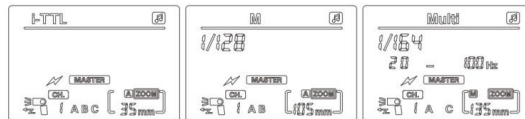
Press central key until slave account <A> and group power flash, press [LEFT] [RIGHT] key to adjust A group power.

Press central key until slave account and B group power flash, press [LEFT] [RIGHT] button to adjust B group power.

Press central key until slave account and C group flash, press [LEFT] [RIGHT] button to adjust C power.

Wireless master mode(MASTER NIKON)

Pressing [wireless option] button until screen show as mode "MASTER".



Wireless setting

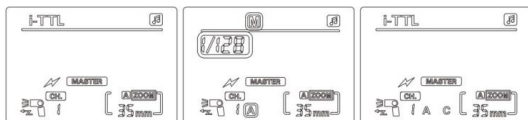
Master slave wireless channel and master item flash switch set same as Canon setting.

Note: Nikon flash as master, can set slave item mode slave group mode and power.

Auto wireless/manual master mode (MASTER NIKON)

MASTER item in TTL or M mode, slave item support" wireless close, TTL mode and M mode" these three modes set.

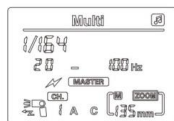
1. Press [MODE] setting master light as auto I-TTL mode or manual M mode. Finish slave speedlight group setting, open wireless flash mode group will show in screen, wireless close group number will not show.



2. Each slave unit group power mode settings
Group A: Press [Wireless Setup] button to <A> and Group A current-mode power flashes.
Press [Left] [Right] keys to change the A group mode among "wireless off", "1-TTL", and "M".
Press [Middle] key to exit and finish setting or press [Wireless Setup] button continue to set the group B Mode.
Group B: Press [Wireless Setup] button to and group B current mode power flashes.
Press [Left] [Right] Keys to change the B group mode among "wireless off", "1-TTL", and "M".
Press [Middle] to exit and finish setting or press [Wireless Setup] button continue to set the group C Mode.
Group C: press [Wireless Setup] button to <C> and C current mode power flashes. Press [Left] [Right] to change mode of Group C among "radio off", "1-TTL", "M". Press [Middle] or [Wireless Setup] button to exit and finish setting.
3. Power settings for each slave unit group
Press [middle] key to <A> and power flashes in group A (assuming A group of open wireless mode), for power settings. Same way with power settings for each mode while wireless is off. After setting, press [middle] key to enter the next group setting.

Multi-flash wireless master mode(MASTER Nikon)

When the master unit is Multi flash mode, the slave unit supports "wireless off and Multi flash Mode" Settings.



1. Press [MODE] button to set the master lights Multi-flash mode.
2. Each slave unit group mode settings
Group A : Press [Wireless Setup] button to <A> flash.

Press [Left] [Right] keys to change the A group mode between "radio off" and "Multi".

Press [Middle] key to exit and finish setting or press [Wireless Setup] button continue to set the group B Mode.

Group B: Press [Wireless Setup] button to flash.

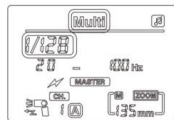
Press[Left][Right] keys to change the B group mode between "Wireless OFF" and the "Multi" mode.

Press [Middle] key to exit and finish setting or press [Wireless Setup] button continue to set the group C Mode.

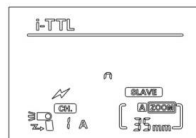
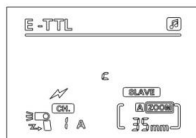
Group C: Press [Wireless Setup] button to <C> flash.

Press [Left] [Right] keys to change the C group mode, between "Wireless OFF" and the "Multi" mode.

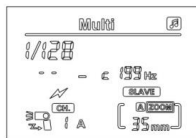
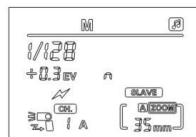
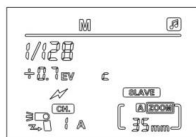
Press [Middle] or [Wireless Setup] button to exit and finish setting.



Finish lave flash group setting,turn on the wireless flash mode packet and it will be shown on the display while wireless off packet numbers will not be displayed.



SLAVE C indicate receiving wireless flash signals from the canon 7D /60D/600D camera flash and 580EX II,600EX,ST-E2.**SLAVE N** indicate received C instruction form Nikon camera as well as C instruction signal of SB-900/800/700, SU-800 .**SLAVE C/N** supports 4 channel, 3 different groups,TTL,manual and stroboscopic wireless flash.Using this mode by rotating flash lamp,It make the wireless trigger sensors toward the master speedlite.Before shooting,this speedlite and the Master speedlite should be arranged in the same channel.This speedlite as the slave unit,press the [ZOOM] button until the channel or category flicker,respectively setting the slave unit Communication channels (1, 2, 3, 4) and the slave unit group (A, B, C).When work in Slave units,Focal length is not controlled by the Master flash light, need to adjust manually.The flash mode of brightness and completely controlled by the Master control unit,and to display the received information.

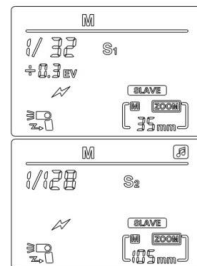


S1 S2 modes

Rotating flash head,let inductor to focus the master light in S1, S2 mode.

Set up optical transmission flash mode S1, S2.

1.Press wireless select button until the LCD display S1, S2.



(1)When you press the Settings button **【RIGHT】** keys,the compensation value in turn increases.

Icon: 1/128→1/64→1/32→...→1/1

When you press the "Select the Settings button" **【LEFT】** key the compensation value in turn decreases.

Icon: 1/128→1/64→1/32→...→1/1

(2)Select Settings button **【UP】** **【DOWN】** function adjust fine-turning

Icon: 0EV→+0. 3EV→+0. 7EV

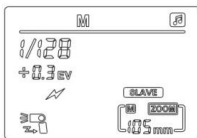
0EV→-0. 3EV→-0. 7EV

2.Press "wireless select key come into S1, S2 mode. These two mode suitable for off-camera slave light. They are suitable for manual flash mode and TTL flash mode. It's the same adjust output brightness and M mode in S1 and S2 mode. Just press "left" "right" "up" "down" and "middle" key.



S1 mode:

In this mode it will work with the first flash sync 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 should not use the TTL flash system. pre-flash function and the red-reduction function with multiple flashes.



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 and sync with your internal flash. you can try to use S2 mode.

If the auxiliary lamp selection S1/S2 mode can not properly synchronized with the master flash, make sure that the flash mode of the master flash is right. Sensing modes and power output should be set correctly.

In order to avoid the following situations when use the S1 S2 mode: The Master speedlite using in the red-eye reduction function and modeling; The master speedlite using the remote flash mode (Nikon) or wireless flash mode (Canon); Use ST-E2 as flash controller.



Note: When the flash in Slave mode, Mode key is invalid, It need to withdraw from the Slave mode so that can change the mode manually. When the Nikon version speedlite setting in the Slave mode, It can't connect with the camera, It need withdraw Slave mode so that can connect. When the canon version speedlite setting in the Slave mode, connecting with the camera. It will automatically exit the Slave mode into E-TTL mode.

“”High-speed sync “”Rear-curtain sync settings

High-speed sync: It can make flash with the camera high shutter speed sync operation, in the use of flash photography outdoor portraits and other strong light source shall use a large aperture, this model is very useful.

Rear-curtain sync: With a slow shutter speed, you can create a light trail following the subject, the flash fires right before the shutter closes.



1. Canon version speedlite, In E-TTL, M mode, If you want to correct use the High-speed sync/Rear-curtain sync function, Press the **【High-speed sync/Rear-curtain sync/Ordinary flashlight】** switch key to ordinary flash (no, display) → High-speed synchronization () → Rear-curtain sync () to open the corresponding function.

2. Nikon version speedlite, you can't directly set automatic high-speed synchronous mode on the speedlite, First setting the Camera Menu to 'FP' automatically open, When connect the camera the flash screen display 'FP' immediately. If you need the Rear-certain sync mode, The same settings to open the Rear-curtain sync on the camera Menu. (There is no display on the speedlite)

Note: To correct use the High-speed sync/Rear-curtain sync, please properly set camera flash mode and shutter speed.

This speedlite can receive signals from the Master High-speed sync flash (i.e., away from the machine high speed sync)

Muti-flash and wireless flash configuration

1. wireless radio instruction

You can create two or three slave groups to make better shooting effect to meet your requirements. Master flash setting flash ratio of TTL auto flash shooting, manual flash output, multi-flash etc.

(1) wireless flash of two slave units made up by speedlite. There is a slave C function and a slave N function to choose. Setting channel: 1. 2. 3. 4
Setting group: Two speedlites can be set up group A and group B.
Setting master until: Setting channel, setting flash ratio of master unit A: B or A: B: C to flash shooting.

(2) Wireless flash of three slave units made up by speedlite. There is a slave C function and a slave N function to choose.

Setting channel: 1. 2. 3. 4

Setting group: Three speedlites can be set up group A, group B and group C.

Setting master unit to shooting.

Setting channel: Flash ratio of master until set up A: B: C

Press the test key of master unit to test whether flash works normally or not. If the slave unit does not fire, adjust the angle of speedlite toward the master unit and distance from the master unit.

Note: If the master unit set to <A: B> is set, then set the slave unit in group C will not fire. If you have set the three speedlites to slave group <A>, all the three slave units will be controlled by one speedlite in master group A.

2. Optical transmission wireless flash shooting

Using built-in seedlite or external speedlite as the Master speedlite.

Use the speedlite by different type to do different angle.

When be used, wireless signal can be reflected by wall in door. So there will be more space to place the Slave speedlite.

The improved wireless triggering sensor trigger have higher sensor sensitivity, S1, S2 mode can work the outdoor environment, wireless trigger sensing have distance of 15 meters.

Using the Slave speedlite, please test S1 or S2 model if it is sync before shooting.

Please don't put any barriers between the Master and Slave speedlite. The barrier prevent to send wireless light signal.

When used outdoor, the optic control sensor should be towarded to the Master speedlite. The speedlite can't be used under sunshine. If your speedlite's shining position had clashed. Please whirl the head of speedlite to satisfy photography request.

Bounce flash

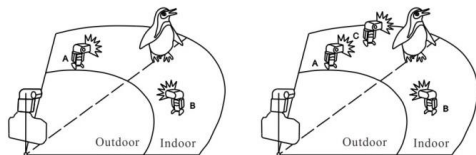
When the flash head pointing to the wall or ceiling, flash will be wall reflection. When it is illuminate the subject, this can reduce the shadows around the subject and get more natural photographic effects.

High-speed burst mode

The speedlite have the high-speed burst function. Please set camera into burst mode, and then shooting.

Please attention: the photos quantity in connection with brightness. So please keep enough battery power.

Set position and operating range:




The camera menu access (only Canon newer models)

It may be operated by a camera flash menu access in support of E-TTL (Canon) the newest camera. In the flash control menu "External flash function settings" and "External flash Custom settings" can set the flash parameters; such as switching E-TTL mode / manual flash mode and multiple flash mode (Multi), wireless flash setting, exposure bracketing, exposure compensation, focal length and advanced options function etc..

Sound prompts:

Different sound ways will prompt the different working conditions of the speedlite so as to make you focus on shooting only.

Long press the custom function setting button  /Fn to custom settings the beep switch will be turned on or off.

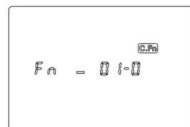


1. A long beep: recycling done
2. Two short beep: turn on or normal flash after recycling done
3. Two long beep: recycling unfinished flash
4. three short beep: 30 minutes without operation auto turn off or shut down.
5. four short beep: does not work when the battery power is not enough (recycling timeout)


Backlight display

1. The LCD backlight on, when press the LCD backlight key in first time. Press the LCD backlight key again, the LCD backlight will be off.

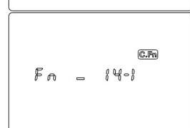
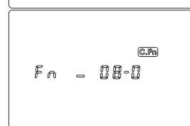
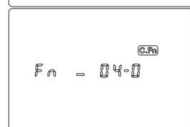
Custom function settings



You can follow your shooting preferences custom flash function. Use a custom function to complete the set.

Press the "custom function setting button" /Fn to the shown on the left.

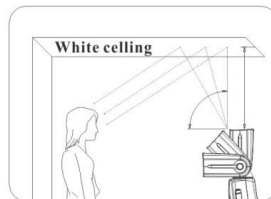
Choose the functionality they need, press **【up】** **【down】** key setting



Custom Function No.	Function	Set ID	Settings and descriptions
C.Fn-01	Auto power off	0	on
		1	off
C.Fn-03	Flash exposure bracketing auto cancel	0	on
		1	off
C.Fn-04	Flash exposure bracketing sequence	0	0 → 1
		1	1 → 0
C.Fn-08	Af-assist beam firing	0	on
		1	off
C.Fn-14	Buzzer switch	0	on
		1	off

Note: Fn number of 00 ~ 13 options can be accessed through the camera menu of "External flash custom function Settings" to set up; The Numbers for: 00, 02, 05, 06, 07, 09, 10, 11, 12, 13 option has been disabled. (Internal Canon cameras menu)

Reflection flash

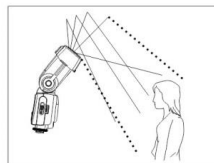
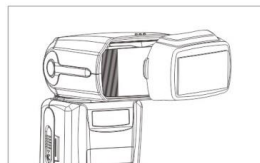


When the speedlite head pitch uped and the ceiling as a reflection, we can use the simplest to get the best effect. Holding the camera and horizontal turning plate to get the same effect. Please attention: Don't use the speedlite head's flash direct shine to the body.

The effective distance between speedlite head and reflection plane about from 1 m to 2 m. When shooting colour photos, please choose white or strong reflection to flashing. Else, shoot photos will be not very good and near the reflection plane's colour.

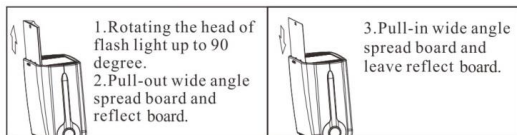
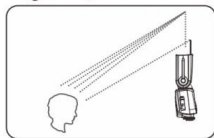
Using the lambency to shooting

Fix the lambency shade on the speedlite. The reflect lighting will be soft fire to cause the soft light to get no shadow. It will be the same effect as any camera in level or portrait position. When the speedlite in 60 degree, it will get better effects.



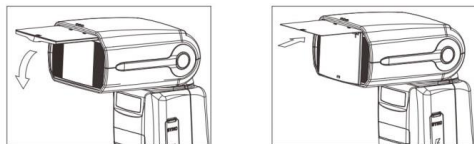
Using built-in reflect board

When under reflection flash shooting, using built-in reflect board to make the subject more bright sharp, and to avoid lighting in front of the subject.



Using the built-in wide diffuse

When distance less than 2 m from camera to the subject, the wide diffuse to shooting to get nauter photos. Also, Built-in wide flash diffuse can be extended to wide-angle coverage.



Specification

Circuit design: Insulated Gate Bipolar Transistor (IGBT)

Flash index: 58 (ISO100, 180mm)

Flash coverage: 18~180mm

Manual, Automatic Zoom

Swinging/Tilting flash head (bounce flash)

Flash mode: TTL, M, FEB, Master, Slave, S1, S2, Multi

The wireless trigger: Wireless induction flash lighting

The wireless cited flash distance: Indoor 20-30 meters,

Outdoor 10-15 meters

Up and down whirl angle degree: 7~90degree

Left and right whirl angle degree: 0~180degree

Slave Group and Unit: 4 Slave communication channels (1, 2, 3, 4)

3 Slave unit group (A, B, C)

Colour temperature: 5500K

Flash time: 1/200 seconds ~ 1/20000 seconds

Flash control: 1/128~1/1 step length is 0.3EV, Total 22 fine-tuning stalls.

Peripheral interface: Hot shoe, PC mount, External charge mount

Recycle time: 2.9 seconds

Power: 4pcs AA alkaline cell or AA Nickel-Hydrogen (NI-MH) battery

Lighting time: 100~1500 times

Additional function: PC synchronous, Sniff mode, Over temperature protection

Volume: 200*75*57mm

Net Weight: 375g

Accessories

Protect bag: 1 pcs

Mini stand: 1 pcs

Reflector: 1 pcs

Instruction manual: 1 pcs

