

Z760

TTL Li-ion Camera Flash
Instruction Manual

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Version Control

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Foreword

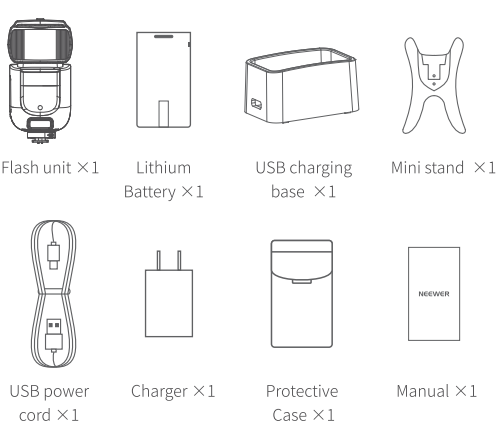
Thank you for your purchase of a **NEEWER®** product. This Z760 camera flash has been designed with the Canon EOS series camera in mind and is compatible with E-TTL II autofocus feature. Simplify your shoots with this E-TTL compatible flash which allows the user to obtain the correct flash exposure even in more complex environments with variable lighting levels. This camera flash features:

- Maximum flash power of 76Ws, 81 levels of dimming (1/1-1/256)
- 2600mAh Li-polymer battery with an autonomy of 480 flashes at full power, 1.5 seconds fast recharge.
- Supports E-TTL auto flash, which can be used as the master or slave unit of a wireless multi-lamp flash system - making shooting easier and faster.
- Dot-matrix LCD panel, Clear display, easy to operate.
- Built-in 2.4GHz wireless transmission, integrated transmitter and receiver with a large radius.
- Supports manual frequency flash mode, HSS/second curtain sync /FEC and other E-TTL II functions.
- Stable output, High speed continuous flash and color temperature with good even lighting.
- Firmware will be upgraded as the camera is updated.

Precautions

1. Always keep this product dry.
2. Keep this product out of reach of children.
3. Do not disassemble or modify the product.
4. Do not subject to any form of physical shock. The product shouldn't be exposed to fire or an environment where the temperature exceeds 50 degrees.
5. Do not fire the flash directly into the eyes which could result in visual impairment.
6. Do not use the product near chemicals, flammable gases or other volatile substances which may cause fire or electromagnetic interference.
7. Do not use in the rain or in damp conditions.
8. Turn off the product immediately, if it appears to be operating abnormally, and try to troubleshoot the likely cause.
9. Failure to comply with the recommendations and warnings listed in the manual will invalidate the warranty.

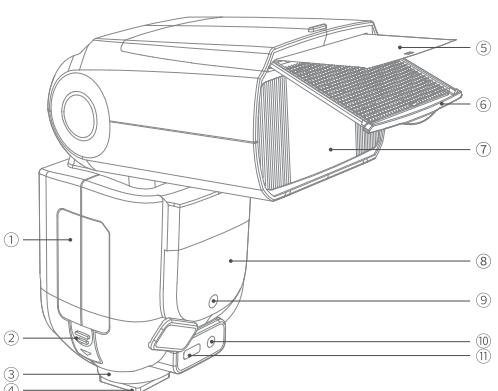
Package Contents



* Note: The batteries should only be charged using the original 5V 2A charger to prevent damage to the product.

Name of components

1. Flash Body

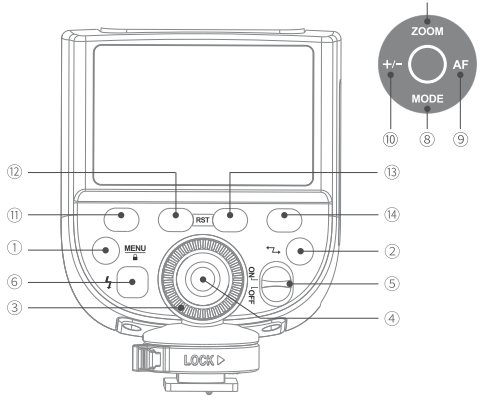


- ① Lithium Battery
- ② Battery Eject Button
- ③ Hotshoe Attachment bracket
- ④ Hotshoe
- ⑤ Reflector
- ⑥ Wide angle diffusion panel
- ⑦ Flash head
- ⑧ Wireless Sensor
- ⑨ Focus Assist Beam
- ⑩ Focus Assist Beam

* The USB Type-C port is exclusively intended for flash firmware upgrades and is not designed for charging purposes.

Name of components

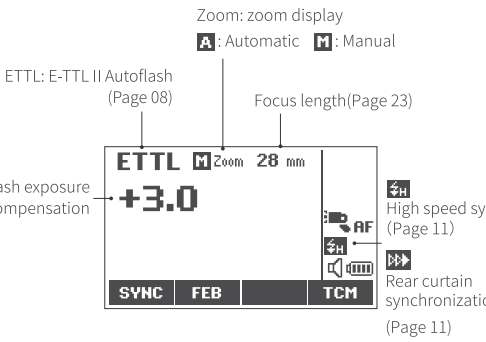
2. Control Panel



- ① <MENU>-Flash Menu Button/Lock Button
- ② <ZOOM>-Wireless Selection Button
- ③ Select Dial
- ④ Set Button
- ⑤ ON/OFF Power Switch
- ⑥ <TEST>-Flash Ready Indicator
- ⑦ <ZOOM>-Focus Length Setting
- ⑧ <MODE>-Mode Select Button
- ⑨ <AF>-Autofocus assist settings
- ⑩ <+/->-Power Output
- ⑪ Function Button1
- ⑫ Function Button2
- ⑬ Function Button3
- ⑭ Function Button4

3. LCD Panel

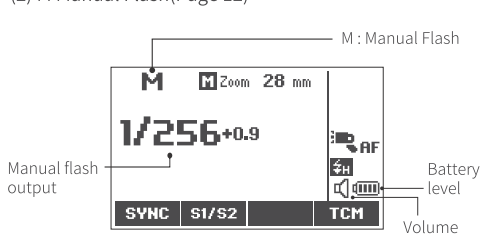
(1) E-TTL Autoflash



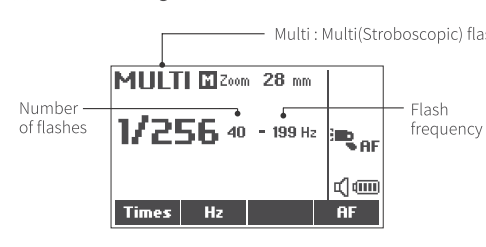
- ① The display will only show the settings currently applied.
- ② The functions displayed above function buttons 1 to 4, such as <SYNC> and <A/B/C/D> will change according to settings' status.
- ③ Pressing a button or moving the dial will illuminate the LCD panel.

Name of components

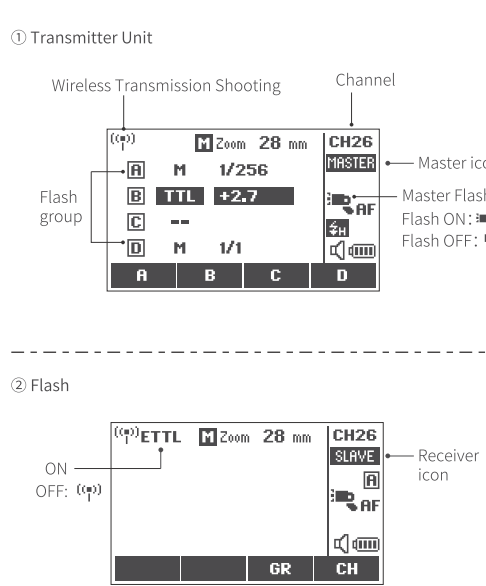
(2) M Manual Flash(Page 12)



(3) Multi Flash(Page 13)

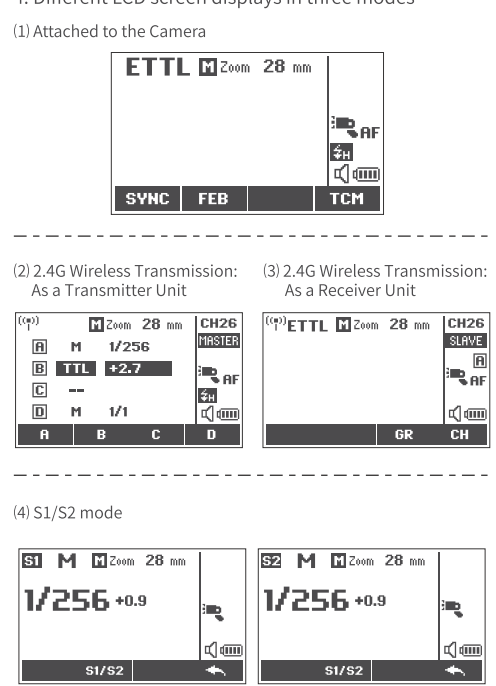


(4) Wireless Transmission Shooting(Page 14)



Name of components

4. Different LCD screen displays in three modes

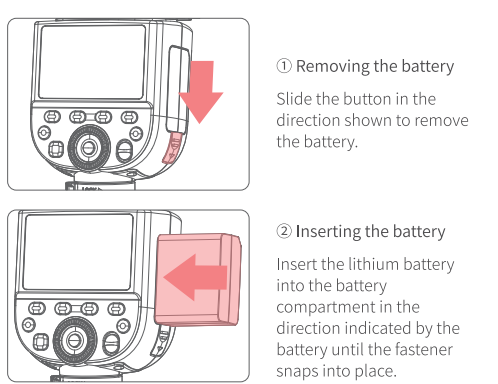


Battery

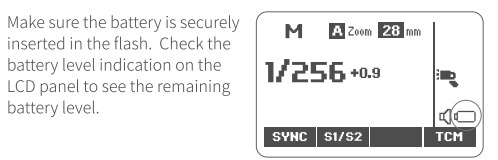
- ### 1. Features
- ① This flash unit uses Li-ion polymer battery which boasts a long service life and can be charged / discharged up to 500 times.
 - ② Safe and reliable, the built-in circuit protects against overcharge, overdischarge, overcurrent, and short circuit.
 - ③ The standard charge time to fully charge the battery is 3.5 hours using the charger.
- ### 2. Caution
- ① Do not short circuit.
 - ② Do not immerse the battery in water.
 - ③ Keep the battery out of reach of children.
 - ④ Do not exceed 24 hours of continuous charging.
 - ⑤ Store the battery in a dry, cool and ventilated environment.
 - ⑥ Do not place the battery near or in a fire.
 - ⑦ Dead batteries should be disposed according to local regulations.
 - ⑧ If the battery isn't to be used for some time, please ensure it is charged at least every 3 months.

Battery

3. Inserting and Removing the Battery



4. Battery Level Indicator



Battery Level Indicator	Indicates
4 bars	Full
3 bars	Medium
2 bars	Low
1 bars	Very low
Empty bar	Low battery. Please charge as soon as possible
Flashing	Battery is about to run out. The flash will no longer work. Please recharge the battery as soon as possible (within 30 days). The battery can then be used or stored for a long period.

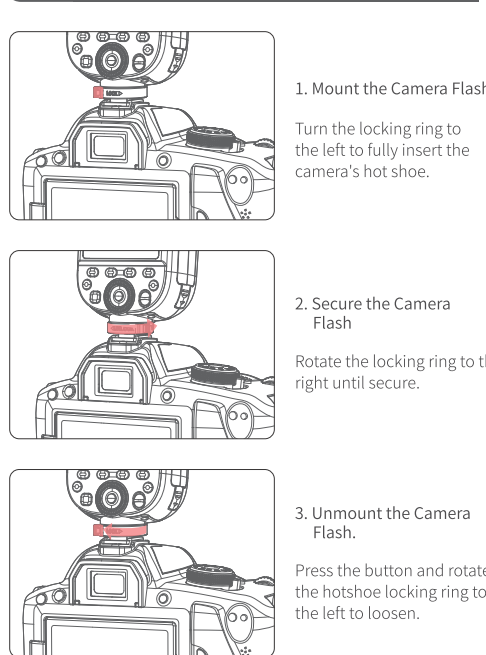
Power Management

Use ON/OFF Power Switch to power the flash unit on or off. Please turn off the power if the flash won't be used for a long period. When setting as a transmitter (master) flash, the flash will turn the power off automatically after a certain period (approx. 90 seconds) of inactivity. Pressing the camera shutter halfway or pressing any flash button will wake up the flash unit. When setting as a receiver (slave) flash, it will enter sleep mode after a certain period (adjustable, 60 minutes by default) of idle use. Pressing any flash button will reactivate device.

Power Management

Note: ① When used off the camera, it is recommended that you customize the function to disable "automatic power off". ② Receiver Auto Power Off Timer is set to 60 minutes by default. A 30 minute timer can also be applied.

Mount / Unmount flash



Flash Mode: E-TTL Autoflash

This flash has three flash modes: E-TTL, Manual (M), and Multi (Stroboscopic). In E-TTL mode, the camera's metering system detects flash illumination reflected from the subject and automatically adjusts the flash output to balance the exposure of the subject and background. Flash Exposure Compensation (FEC), flash exposure bracketing (FEB), high-speed sync (HSS), second-curtain shutter sync, flash exposure lock (FEL), aperture preview shadow flash, and Canon camera menu access are supported.

* Press <MODE> Mode Selection Button. The three flash modes will display on the LCD panel in a cycle.

Flash Mode: E-TTL Autoflash

1. E-TTL Mode

Press <MODE> Mode Selection Button to enter E-TTL mode. Press the camera release button halfway to focus. The aperture will be displayed in the viewfinder.

② A pre-flash is fired moments before the shutter is released, and the flash receives camera information for the main flash.

2. FEC(Flash Exposure Compensation)

In FEC mode, the flash can adjust flash exposure compensation in 1/3-stop increments between ±3 stops. This feature is useful when the TTL system needs to be fine-tuned to accommodate the shooting environment.

Setting flash exposure compensation:

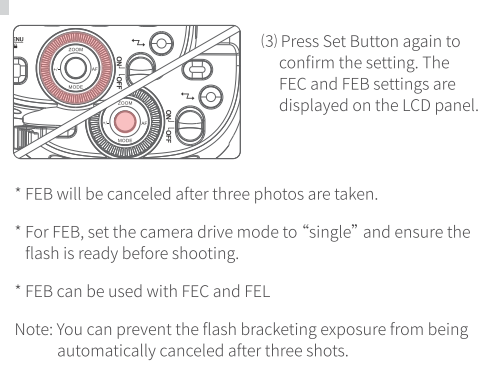
- 1) Press <+/-> button.
- 2) Set the flash exposure compensation amount.
- 3) Turn the Select Dial to set the amount.
- 4) "0.3" indicates 1/3 step, "0.7" indicates 2/3 step.
- 5) To cancel the flash exposure compensation, set the amount to "0".
- 6) Press the set button to confirm the new settings.

3. FEB(Flash Exposure Bracketing)

FEB(Flash surround Exposure) automatically changes the flash output in 1/3rd stops from -3 to +3. When using this function, the camera will record three photos with different flash outputs (correct exposure, underexposure, and overexposure). This function helps obtain correct exposure which is key when shooting moving objects or when environmental lighting is more complex.

- 1) Press function button 2 <FEB> so that the screen displays the <FEB> icon and the FEB amount will be highlighted on the LCD panel.
- 2) Set the flash exposure compensation amount.
- 3) Turn the Select Dial to set the FEB amount.
- 4) "0.3" equates to 1/3 step, "0.7" equates to 2/3 step.

Flash Mode: E-TTL Autoflash



FEB will be canceled after three photos are taken. For FEB, set the camera drive mode to "single" and ensure the flash is ready before shooting. FEB can be used with FEC and FEL. Note: You can prevent the flash bracketing exposure from being automatically canceled after three shots.

4. FEL: Flash Exposure Lock

FEL can lock the correct flash exposure setting for any part of the scene. With <E-TTL> displayed on the LCD panel, press the camera's <FEL> button. If the camera does not have the <FEL> button, press the <+> button.

- 1) Bring the subject into focus
- 2) Press the <FEL> button
- 3) Aim the center of the viewfinder at the subject, and then press the <FEL> button.
- 4) The camera flash will fire a preflash and the required flash output for the subject is memorized.
- 5) "FEL" will show in the viewfinder for 0.5 seconds.
- 6) Each time the <FEL> button is pressed, a preflash will be fired and a new flash exposure setting will be locked.

* If the subject is too far away and underexposed, the <+> icon will flash in the viewfinder. Please approach the subject and try Flash Exposure Lock (FEL) function again.

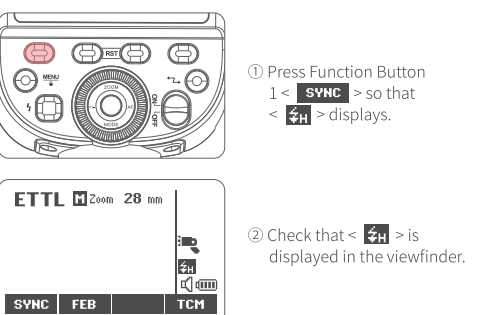
* Flash exposure lock cannot be set if <E-TTL> is not displayed on the LCD.

* Flash exposure lock may not work effectively if the subject is too small.

Flash Mode: E-TTL Autoflash

5. HSS: High Speed Sync

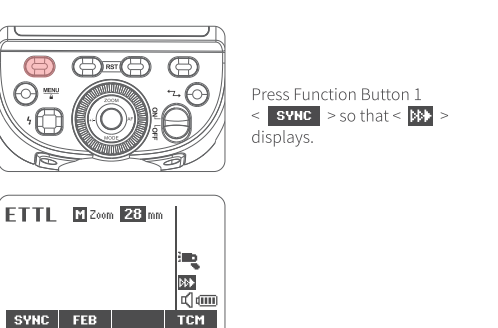
High Speed Sync (FP flash) enables the flash to synchronize with all camera shutter speeds. This is convenient when you want to use aperture priority for fill-flash portraits.



- * If the shutter speed is set to equal or slower than the camera's maximum flash sync speed, <HSS> will not appear in the viewfinder.
- * With high-speed sync, the faster the shutter speed, the shorter the effective flash range.
- * To return to normal flash, press <SYNC> button again. Then <HSS> will disappear.
- * Multi flash mode cannot be set in high-speed sync mode.
- * Over-temperature protection may be activated after 15 consecutive high-speed sync flashes.

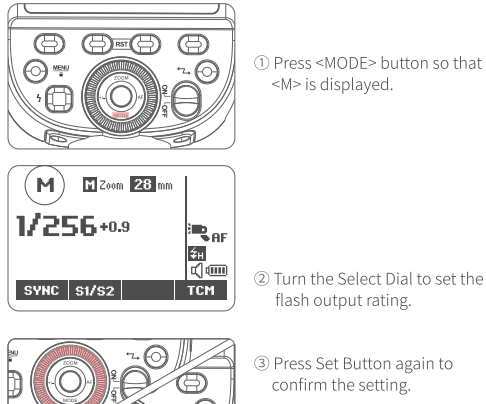
6. Second-Curtain Sync

With a slow shutter speed, you can create a trail of light following the subject. The flash fires right before the shutter closes.



M: Manual Flash

The flash output is adjustable from 1/1 full power to 1/256th power in 1/10th stop increments. To obtain a correct flash exposure, use a hand-held flash meter to determine the required flash output.



* S1 Optical control unit setting
In M manual flash mode, the S1 function can be used and the flash unit can function as an optical secondary flash. It will fire synchronously when the main flash fires, the same effect as that obtained by the use of radio triggers. This helps the photographer create multiple lighting effects.

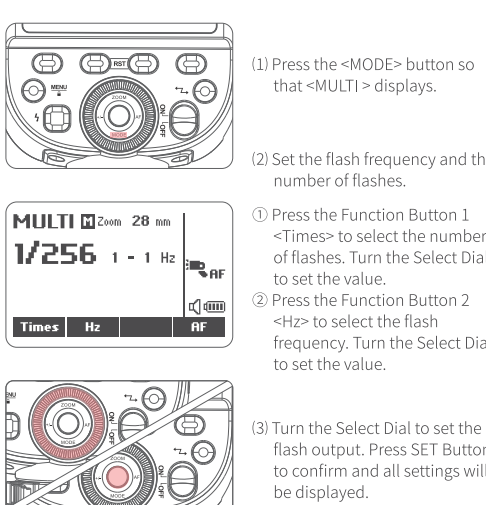
* S2 Optical control unit setting
In M manual flash mode, the S2 function can be used and the flash unit can function as an optical S2 secondary flash. In this mode, it will ignore the pre-flash emitted by the TTL flash and will only fire in response to the second flash from the main unit.

Note: S1 and S2 optical triggering is only available in M manual flash mode.

Multi: Stroboscopic Flash

The term stroboscopic flash relates to a rapid series of flashes being fired. It can be used to capture multiple images of a moving subject in a single photograph.

You can set the firing frequency (number of flashes per sec. expressed as Hz), the number of flashes, and the flash output.



Calculating the Shutter Speed:
During a stroboscopic flash, the shutter remains open until the firing stops. Use the formula below to calculate the shutter speed and set it with the camera.

Number of Flashes / Flash Frequency = Shutter Speed

For example, if the number of flashes is 10 and the firing frequency is 5 Hz, the shutter speed should be at least 2 seconds.

- * To avoid overheating and deterioration of the flash head, do not use the stroboscopic flash more than 10 times in succession. After 10 times, allow the camera flash to rest for at least 15 minutes. If you try to use the stroboscopic flash more than 10 times in succession, the flash may stop flashing automatically. This is to protect the flash head. Should this happen, please allow the camera to rest for 15 minutes.
- * Stroboscopic flash is most effective with a highly reflective subject against a dark background.
- * It is recommended to use a tripod and a remote control.
- * A flash output of 1/1 and 1/2 cannot be set for stroboscopic flash mode.
- * Stroboscopic flashes can be used with the "bulb" function.

Multi: Stroboscopic Flash

* If the flash count is displayed as --, the flash will fire continuously until the shutter release or the battery is exhausted. The number of flashes will be limited as shown in the table below.

Maximum number of strobe flashes

Flash output	Hz	1	2	3	4	5	6-7	8-9
1/4	8	6	4	3	3	2	2	2
1/8	14	14	12	10	8	6	5	5
1/16	30	30	30	20	20	20	10	10
1/32	60	60	60	50	50	40	30	30
1/64	90	90	90	80	80	70	60	60
1/128	100	100	100	100	100	90	80	80
1/256	100	100	100	100	100	90	80	80

Flash output	Hz	10	11	12-14	15-19	20-50	60-199
1/4	2	2	2	2	2	2	2
1/8	4	4	4	4	4	4	4
1/16	8	8	8	8	8	8	8
1/32	20	20	20	18	16	12	12
1/64	50	40	40	35	30	20	20
1/128	70	70	60	50	40	40	40
1/256	70	70	60	50	40	40	40

Wireless Flash Shooting: Wireless (2.4G) Transmission

* When the camera's shooting mode is set to a fully automatic mode or an Image Zone mode, the operations explained in this chapter are not available. Please set the camera's shooting mode to P/Tv/Av/M/B (Creative Zone Mode).

* The Z760 attached to the camera is called the transmitter unit, and a Z760 that is wirelessly controlled is called the receiver unit.

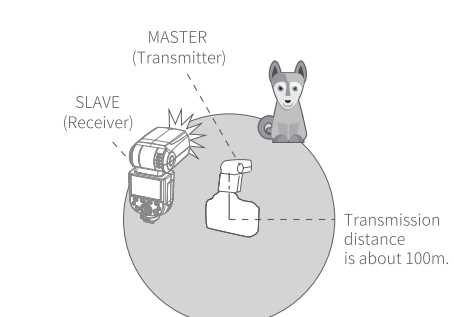
Wireless Flash Shooting: Wireless (2.4G) Transmission

EN

Using a flash (transmitter/receiver) with a radio transmission wireless shooting function make it easy to shoot with advanced wireless multiple flash lighting, in the same way as E-TTL II autofocus shooting. The basic relative position and operation range are as shown in the picture. You can then perform wireless E-TTL II autofocus shooting by setting the transmitter unit to «ETTL».

Positioning and Operation Range (Example of wireless flash shooting):

Autoflash Shooting with One Receiver Unit

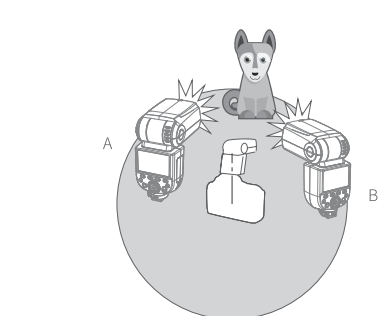


- * Use the supplied mini stand to position the Receiver unit.
- * Perform a test flash and test shot before shooting.
- * The transmission distance might be shorter depending on the conditions such as the positioning of the Receiver units, the surrounding environment and weather conditions.

Wireless Multiple Flash Shooting

You can split the slave unit into two or three groups and shoot E-TTL II Auto Flash while changing the flash ratio (focus). In addition, each flash group (up to four groups) can be set and shot with different flash modes.

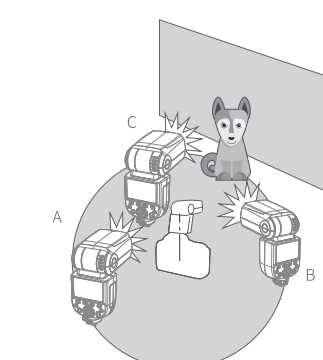
① Auto flash shooting with two slave groups.



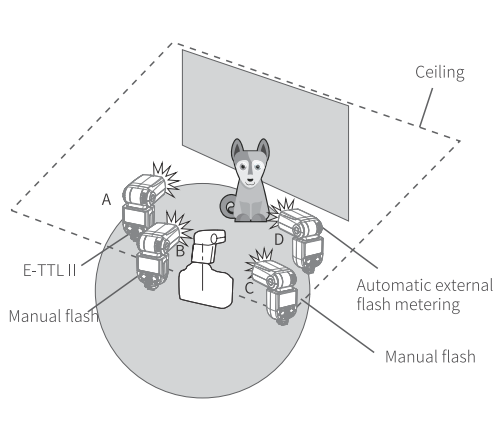
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Wireless Flash Shooting: Wireless (2.4G) Transmission

② Auto flash Shooting with three slave groups



③ Shooting with a Different Flash Mode set for Each Group

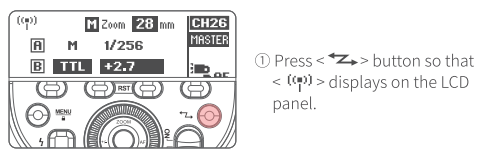


* The flash mode Settings shown above are only used as examples.

1. Wireless Settings

You can switch between normal flash and wireless flash. For normal flash, be sure to set wireless Settings to "off".

Transmitter (Master) Unit Setting



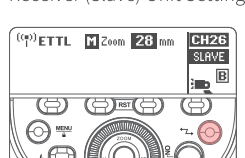
- Press <F> button so that «ETTL» displays on the LCD panel.

15

Wireless Flash Shooting: Wireless (2.4G) Transmission

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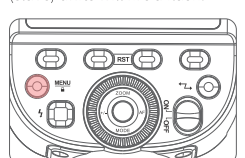
Receiver (Slave) Unit Setting



- Press <F> button so that «ETTL» displays on the LCD panel.

2. Turn off Master unit flash

When the Transmitter (master) unit is set to OFF, only the Receiver (slave) units will fire a flash.

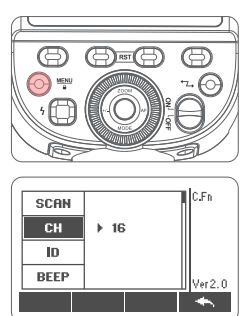


- Press «MENU» Button to enter custom «MASTER» Settings.
- Set Transmitter to ON/OFF to control the On/Off of the Transmitter unit.

* Even if the master unit is disabled, it will still fire a preflash in order to transmit wireless signals.

3. Setting the communication channel

If there is more than one wireless flash system nearby, you can change the communication channel to prevent signal interference. Ensure that the channel of the transmitter and receiver units are matching.



- Press «MENU» Button to enter CH custom settings.
- In Custom CH settings screen, turn the Select Dial to choose a channel from 1 to 32.
- Press the SET button to confirm.

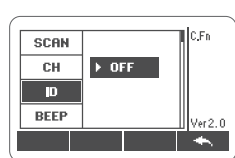
* After setting, press function button 4 to exit

Wireless Flash Shooting: Wireless (2.4G) Transmission

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4. Wireless ID Settings

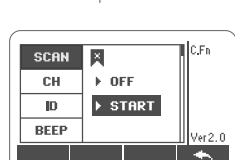
In addition to changing the wireless communication channel to avoid signal interference, you can also change the wireless ID to prevent interference. Set the channel and the wireless ID of the transmitter unit and the receiver unit to the same values. Go to C.Fn ID and choose wireless ID from 01 to 99. Select OFF to disable the wireless ID.



* After setting, press function button 4 to exit.

5. Scan for a free, unused channel

To avoid the issue of interference by using the same channel(s) already in use by others, use this function: enter the C.Fn settings and find the SCAN option. When setting it to START, it will scan from 1% to 100%. The 8 spare channels will be displayed after the scan is completed.

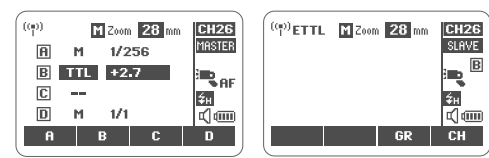


* After setting, press function button 4 to exit.

6. E-TTL: Automatic wireless flash photography

Note: The transmitter (master) unit and the receiver (slave) unit must have the same wireless ID, channel and group before the flashes can be fired wirelessly.

Using Automatic Wireless Flash with a Single Receiver Unit.



(Press the function button 1/2/3/4 (corresponding A/B/C/D) to independently adjust to TTL mode.)

* Press function button 2 (corresponding to B) to select group B, and then press function button 2 again to select TTL/M/- option (turn the dial to adjust power and set flash output power), as shown in the picture.

Wireless Flash Shooting: Wireless (2.4G) Transmission

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1) Transmitter Unit Setting

- Attach a camera Z760 flash on the camera and set it as the transmitter unit. Set it to ON to flash. (Page 17)
- A signal transmitter can also be used as the master control unit. The transmitter can control the ZOOM value of the Z760, but the ZOOM must be set to auto A mode.

2) Receiver Unit Setting

Mount the Z760 camera flash as the wireless Receiver Unit.

3) Check the communication channel

Set the channel of the Transmitter unit and Receiver unit to the same values. Set the Transmitter unit channel (page 17). The Receiver unit can be set to press the function button 3/4 (corresponding Gr/Ch) to adjust the group channel.

4) Position the camera and flashes

Position the camera and flashes as indicated by the picture. (Page 15)

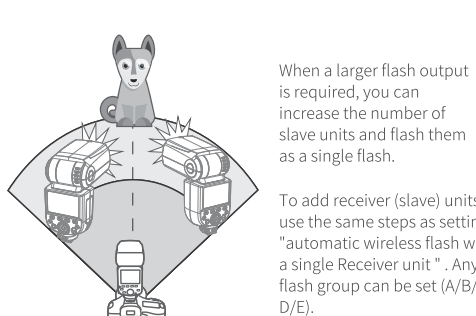
5) Check if the flash is ready

- Check that the Transmitter flash ready indicator is lit
- When the Receiver flash ready indicator is ready, the AF-assist beam lighting area will flash at 1 second intervals.

6) Check the flash operation

- Press the Transmitter unit's Test Button <F>.
- The Receiver unit should then flash. If it doesn't, check the receiver is placed within the operating range.

Using Automatic Wireless Flash with Multiple Receiver (slave) Units



When a larger flash output is required, you can increase the number of slave units and flash them as a single flash.

To add receiver (slave) units, use the same steps as setting "automatic wireless flash with a single Receiver unit". Any flash group can be set (A/B/C/D/E).

When the number of slave units is increased or the master flash is set to ON, automatic control ensures that all flashes fire at the same flash output so that the total flash output meets the standard exposure.

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Wireless Flash Shooting: Wireless (2.4G) Transmission

- Press the depth-of-field preview button on the camera to fire a modeling flash.
- If the auto power off of the slave unit has kicked in, press the test button on the Master unit to trigger a flash button enables the slave unit. Please note that the flash cannot be tested during the camera's metering time.
- It is possible to modify the amount of time before the slave unit automatically powers off.
- It is also possible to set so that the autofocus assist transmitter does not flash when the slave unit has finished powering up.

Using a fully automatic wireless flash

The flash exposure compensation (FEC) and other settings set on the master unit are also set automatically in the slave unit. Operation of the slave unit is not required. The following settings can be used for shooting with no line flash in the same way as for normal flash shooting.

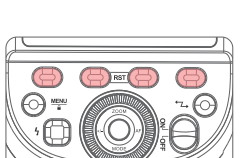
- Flash Exposure Compensation
- Manual Flash
- Flash Exposure Lock
- Stroboscopic Flash

About Transmitter Unit

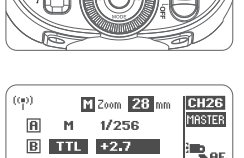
Two or more master units can be used. By configuring multiple cameras with master units, you can change the cameras used for shooting while maintaining the same lighting (slave units).

7. M: Manual Wireless Flash Shooting

Shooting with manual flash with no line (multi-flash) allows you to set different flash outputs for each slave unit (flash group) for shooting. All parameters need to be set on the master control unit.



- Press the function button 1/2/3/4 (corresponding A/B/C/D) to adjust to M mode.

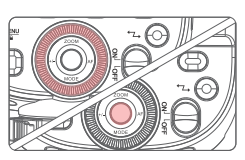


- To set the flash output Press the function button 1/2/3/4 «A/B/C/D». Turn the Select Dial to set the flash output of the groups. Press the Set Button to confirm.

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Wireless Flash Shooting: Wireless (2.4G) Transmission

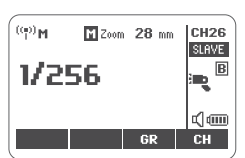
EN



- Taking pictures Each group fired at the set flash ratio.

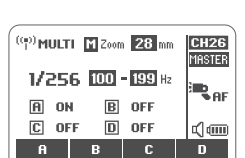
Setting «M» Flash Mode

You can directly operate the Receiver unit to manually set the manual flash or stroboscopic flash.



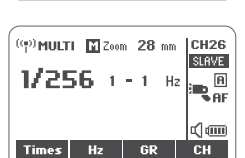
- Setting the Receiver unit.
- Setting flash mode to «M».
- Press «MODE» button so that «M» displays.
- Set the manual flash output.

8. Multi-Wireless Flash Shooting with Manual Flash



To set the «MULTI» strobe mode.

- In the main control screen mode, press the «MODE» button to display «MULTI».
- Set the strobe flash setting in the main control screen mode.



In receiver unit mode, press the «MODE» button to display «MULTI».

Troubleshooting: 2.4G wireless flash misfiring

- Interference of the 2.4g signal resulting from external factors (such as a wireless hub, 2.4G Wi-Fi routing, Bluetooth equipment, etc.)
 - Please adjust the channel CH setting of the transmitter (10 is recommended) to find a channel without interference, or turn off other 2.4G devices in close proximity whilst working.
- Please ensure that the flash is fully recycled, the flash ready indicator is on and that the overhead protection feature hasn't been triggered.
 - Please lower the flash setting by changing to manual mode (M) if the device is in TTL mode, you need to fire a preflash)
- Please check whether the flash detector and the receiving device are running low on power
 - Please replace the batteries (1.5V disposable alkaline batteries are recommended for the flash receiver battery)

Other Applications

1. Sync Triggering

The Sync Cord Jack is a Ø2.5mm connector. Insert a trigger plug here and the flash will be fired in sync with the camera shutter.

2. Auto Focus Assist Beam

In low-brightness or low-contrast shooting situations, the flash's built-in autofocus assist lamp turns on to make autofocus easier. When focusing is difficult, the red autofocus assist light comes on.

To turn off the autofocus function, set "AF" to "OFF" in C.Fn.

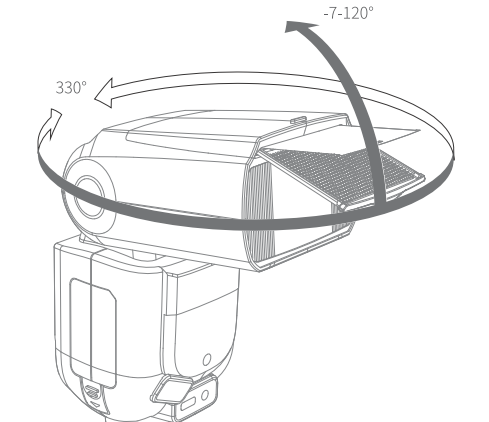
* If the user finds that the assisted focus light is not on when using it, it is because the camera is already accurately focused.

Position	Operating range
Center	0.6-10m / 2.0-32.8 feet
Periphery	0.6-5m / 2.0-16.4 feet

3. Bounce Flash

By pointing the flash head toward a wall or ceiling, the flash will bounce off the surface before illuminating the subject. This can soften shadows behind the subject for a more natural-looking shot. This is commonly known as a "bounce flash".

Position the flash head to set the bounce direction.



* If the wall or ceiling is too far away, the bounced flash might be too weak and result in underexposure

* The wall or ceiling should be a plain, white color for high reflectance. If the bounce surface isn't white it will result in "off color" photos.

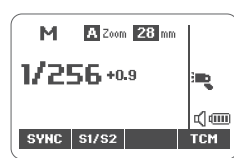
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Other Applications

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4. ZOOM: Set the flash coverage

The flash coverage can be set automatically or manually. It can be set to match the lens focal length from 20mm to 200mm. In auto zoom, the focal length changes with the camera's zoom lens to provide the best flash effect.



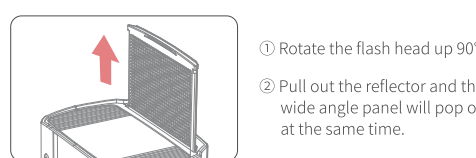
In Manual Zoom mode, press the «ZOOM» button.

- Turn the Select Dial to change the flash coverage.
- If A is displayed, the flash coverage will be set automatically.

* If you set the flash coverage manually, make sure it covers the lens focal length so that the picture will not have a dark periphery.

5. Creating an Eye Catchlight

Using the reflector panel to create a catchlight in the subject's eyes to make facial expressions more vivid.



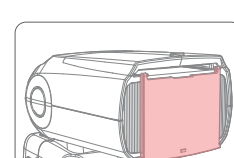
- Rotate the flash head up 90°.
- Pull out the reflector and the wide angle panel will pop out at the same time.
- Push in the reflector.
 - Push in the reflector only.
 - Follow the same steps mentioned in the section covering Bounce Flash

* Point the flash head forward and tilt it 90° upward. If you rotate the flash head left or right, no catch light will be produced.

* For best eye catchlight results, the subject must not be within 1.5m/4.9ft of the camera.

6. Using the Wide Angle Diffuser Plate

Pull out the wide angle diffuser plate and place it on the flash head to extend the flash range. In doing so, you will obtain a softer and more natural flash output.



Pull out the wide angle diffuser plate and place it on the flash head. The flash light coverage will be extended to 14mm.

EN

Other Applications

If the reflector has popped out at the same time, please push it back to the original position.

C.Fn: Setting Custom Functions

Use the Customize function to complete settings according to the following chart.

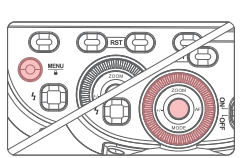
Custom Function Symbols	Function	Setting No.	Set-Up and Instructions
AF	AF-assist beam	ON OFF	on off
STBY	Auto sleep setting	ON OFF	on off
SV STBY	Receiver auto power off timer	60min 30min OFF	60min 30min off
SCAN	Scan for idle channels	OFF START	off Start search for idle channel
CH	Channel setting	01-32	Choose a channel from 01-32
ID	Wireless ID	01-99	Choose any figure from 01-99
BEEP	Beeper	ON OFF	on off
LIGHT	Backlight Duration	12sec OFF	Off in 12 sec Always off
LCD	LCD contrast ratio	-3+3	7 levels
FEB ACL	FEB auto cancel	ON OFF	on off
MASTER	Transmitter unit control	OFF	off
DIST	Flash distance	1-100M 0-10M	1-100M flash 0-10M flash

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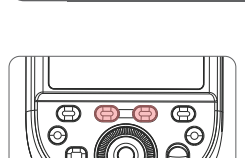
C.Fn: Setting Custom Functions

EN

- Press MENU Button until C.Fn menu displays. The "Ver xx" in the lower-right corner refers to the software version.
- Change the Setting.
 - Short press the MENU button to select the C.Fn sub-menu.
 - Rotate the adjustment knob to select the item to be adjusted. Press the set button to change value.
 - After adjusting the settings, press the «MENU» button to start shooting.



Restore factory settings



- Long press the two <RST> buttons at the same time.
- "RESET" will appear on the screen to indicate that the factory settings have been restored.

Firmware upgrade

The firmware of this product can be upgraded through the USB port. The latest software announcements and instructions will be published on the official website.

- * This product does not come with a USB cable for the firmware upgrade. Please purchase separately. The USB port of this product is a Type-C port. Please use only a USB Type-C cable.
- * Upgrading the firmware requires Newer Firmware software support. Please download and install "Newer Firmware Update", and then select the corresponding firmware file before updating.
- * As the product is undergoing a firmware upgrade, please refer to the latest electronic version of the manual.

Control using the Camera's Menu Screen

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Mount the flash directly onto the Canon EOS camera to control the flash using the camera's menu screen. Please refer to the camera instructions for details.

1. Setting Camera Flash Functions

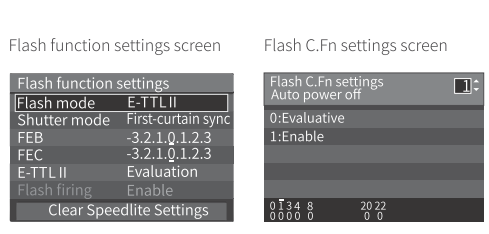
The following flash functions are can be set according to different flash modes.

- Flash mode
- Shutter sync
- FEB
- FEC
- Flash firing
- Clear camera flash settings

2. Custom Functions of Camera Flash

C.Fn-00, C.Fn-01, C.Fn-03, C.Fn-04, C.Fn-08, C.Fn-20, C.Fn-22,7 in total.

Clear All Flash Custom Functions



* Screen view taken from the EOS-1D Mark III.

* If flash exposure compensation has already been set using the camera flash, flash exposure compensation cannot be set with the camera. To set it with the camera, the camera flash's flash exposure compensation must be set to "0".

* If any Flash Custom Functions and flash settings, other than flash exposure compensation, have been set by both the camera and the flash, the last applied settings will be used.

Protection Function

1. Over-Temperature Protection

- To prevent the flash head from deteriorating and overheating, it is recommended not to fire more than 30 continuous flashes in fast succession at 1/1 full power. After 30 continuous flashes, pause the use of the flash for at least 10 minutes.
- If you fire more than 30 continuous flashes and then fire more flashes in short intervals, the inner over-temperature protection function may be activated. The recycling time will be longer (over 10s). If this occurs, the use of the device should be paused for at least 10 minutes for the flash unit to operate as normal.

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Protection Function

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Number of flashes that will activate over-temperature protection:

Power	Number of Flashes
1/1	30
1/2 +0.7	40
1/2 +0.3	50
1/2	60
1/4(+0.3,+0.7)	100
1/8(+0.3,+0.7)	200
1/16(+0.3,+0.7)	300
1/32(+0.3,+0.7)	500
1/64(+0.3,+0.7)	1000
1/128(+0.3,+0.7)	
1/256(+0.3,+0.7)	

2. Other Safety Functions

* The system provides real-time protection to secure the device and your safety. The following lists prompts for your reference.

Prompts on LCD Panel	Indicates
E1	A fault has developed with the flash's recycle system so that the flash cannot fire. Please restart the flash unit. If the problem still exists, please send this product to a maintenance center.
HOT	The flash will disable when the temperature inside the unit is too high in which case you should stop using the flash for 10 minutes.

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Technical Data

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FCC Statement

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

CAUTION: The user is cautioned that changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to you or other devices, you may be required to take one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

FCC RF Radiation Exposure Statement

1. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

2. This equipment complies with RF radiation exposure limits set forth for an uncontrolled environment.

This device has been evaluated to meet general RF exposure requirement. This equipment should be installed and operated with minimum distance 0mm between the radiator & your body.

IC Warning Statements

• English Warning Statement

"This device complies with Industry Canada licence-exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device."

The digital apparatus complies with Canadian ICES-3 (B/NR0303).

This radio transmitter has been approved by Industry Canada to operate with the antenna types listed with the maximum permissible gain indicated. Antenna types not included in this list, having a gain greater than the maximum gain indicated for that type, are strictly prohibited for use with this device.

The device has been evaluated to meet general RF exposure requirement. This equipment should be installed and operated with minimum distance 0mm between the radiator & your body.

• French Warning Statement

"Ce présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes: (1) l'appareil ne doit pas produire de brouillage, et (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement."

Cet appareil numérique de la classe B est conforme à la norme NMB-303 du Canada.

Le présent émetteur radio a été approuvé par Industrie Canada pour fonctionner avec les types d'antenne énumérés ci-dessous et ayant un gain admissible maximal. Les types d'antenne non inclus dans cette liste, et dont le gain est supérieur au gain maximal indiqué, sont strictement interdits pour l'exploitation de l'émetteur.

L'appareil a été évalué pour répondre aux exigences relatives d'exposition aux RF. Cet équipement doit être installé et utilisé avec une distance minimale de 0mm entre le radiateur et votre corps.

If you have any questions about product,
we are glad to help.



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