SHANNY

SN600EX-RF

Speedlite For Canon

INSTRUCTION MANUAL

Warning

① As the product has high-voltage components, please don't disassemble it by yourself. You can contact our after-sales service or sent it to the repair station if repair is needed.

② Please keep the product dry and away from wet hands. It cannot be immersed into water or exposed to rain or else it may fail to function.

③ The product is related to battery. As for battery's usage and management, please refer to the corresponding operation specifications.

④ Don't violently strike or shake the product, it may lead to product failure.

⑤Please don't flash it at close range directly to human eyes (especially infants' and young children's), otherwise it may damage the eyes or cause blindness.

⑥Please don't place this product in the car in which it will be under direct sunlight, as the temperature in these places will be very high, which is likely to cause damage to components.

⑦Please don't use the flash where there are flammable gases, otherwise it may lead to gas explosion.

SN600EX-RF New Functions

① Build-in 2.4G wireless radio module: Build-in 2.4G radio wireless module, support HSS, ETTL, 2.4G wireless radio master and slave together. As a master nuit, can trigger slave unit of SN600EX-RF, SN600C-RF, or fire the flash which mounted on SN-E3-RF.

② The set-top ETTL flash: Install it on the Canon camera to achieve automatic flash photography.

③ Autofocus auxiliary functions.

④ Automatic zoom function, flash zoom position can be back and forth with the change of the focal length of the lens.

⑤ Supporting the access to the Canon menu.

⑥ Support S1/S2 optical tigger, and high-speed snyc.

Thank you very much for buying Shanny products.
Please read the instruction manual carefully before you install the SN600EX-RF on your camera, in order to achieve fully function of the flash and the camera.
SN600EX-RF is compatible with SHANNY SN600C-RF, SN-E3-RF, as a perfect 2.4G wireless system.
After the installment of SN600EX-RF to SLR camera, you can set the function by access to the camera menu, or by manual control.

Quick Guide

① Automatic flash: Set the flash to ETTL mode, can fully automatic flash photography.

② Master control unit (RADIO): [ ]button sets the SN600EX-RF to MASTER, and then press [RATIO] function button to set ALL/A: B/A:B C. SN600C-RF, SN-E3-RF are compatible with SN600EX-RF.

③ The remote slave unit (RADIO):Press [ ] button to set the SN600EX-RF to radio SLAVE 2.4G RF, it can be compatible with Shanny 2.4G radio system.

④ Light trigger slave unit: Press [ ] button, set the SN600EX-RF to SLAVE S1/S2.

⑤ The set-top flash: Press [MODE], switch to ETTL, M, MULTI mode, the installed camera can be triggered flash.

⑥ High-speed sync: Press [SYNC] or through camera menu to set high speed sync, your camera can use any shutter speed.

⑦ AutoZoom: Set A Zoom, flash zoom position can be back and forth with the change of the focal length of the lens (20~200 mm).

Special Explanation

①When wireless radio flash ,Please set the SN600EX-RF to wireless channel CH.01 ~ CH.15 through the flash.

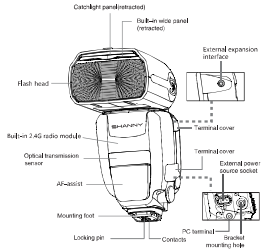
②SN600EX-RF Link indicator light, When the green light, means the master unit flash and camera communication is normal, or master flash with slave flash wireless connection is normal; when the orange light, it means use the special wireless mode (set it through C.Fn 24).

Precautions about the continuous flash

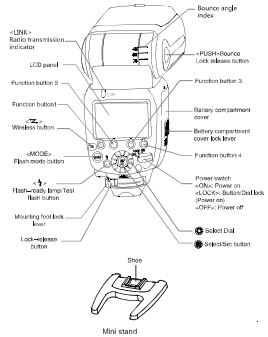
①To prevent degradation and damage of the flash head caused by overheating, please do not continuously flash it for more than 20 times. After 20 times, cool it at least for 10 minutes.

②If you use it more than 20 times in a row to continue with a short interval repeated flash, the security function may be activated to limit the flash. In the restriction period, the recycling time is automatically extended. If that happens, please cool the flash for at least 15 minutes.

Component



Attention: External expansion interface can't be inserted to shutter cable, or it will damage the flash.



Main Display Interface

Master Unit(2.4G wireless radio): 2.4G wireless radio master unit, can master control SN600EX-RF, SN600C-RF, compatible with SN-E3-RF trigger transceiver, support HSS, TTL flash.

Remote Slave unit (Wireless radio): Wireless radio slave unit, can receive SN600EX-RF, SN-E3-RF wireless signal, support HSS, TTL flash.

Off-camera light trigger (S1/S2): Use set-top camera M, TTL trigger mode, support high-speed sync.

On-camera ETTL: Mount the camera for automatic flash photography.

Preparations

Battery installation:Install four *5 (AA) batterie
According to the following steps to install the battery

According to the instructions of battery, ensure the batteries'"+" and "-"contact towards the right direction.

Batteries can be very hot if replacingthem after continuously flashing.
When it displays < >, please replace new batteries.
Please use 4 batteries of the same brand. When replace them, please replace four.
You can also use (AA/LR6) rechargeable hydrogen (Ni - MH) cells.

Install or remove the flash

Please press the lock release button before install or remove the flash.
After the installation, please lock the quick lock key, in casethe flash would fall off.

Function Brief

LINK

Wireless Linking indicator light, When the green light, means the master unit flash and camera communication is normal, or master flash with slave flash wireless connection is normal; when the orange light, it means use the "special wireless mode".

SEL/SET

This option button can be horizontally rotated to adjust the parameters of flash, the right-hand rotation to increase set parameters, while the left-hand to reduce.

[ ]

[ ]can switch flash trigger mode, including set-top ordinary flash /MASTER/SLAVE 2.4G RF /SLAVE S1/SLAVE S2.

MODE

[MODE] is flash mode button,to set the flash mode,it can be set as auto-flash ETTL, manual flash, frequency flash MULTI mode.

[ ]button sets the flash to the MASTER control unit. Press [MODE] button to choose ETTL/M/MULTI flash mode.

Master Unit(2.4G radio signal)

This master unit with SN600C-RF, SN-E3-RF together to be Shanny 2.4G wireless radio flash system.

MENU1

Functional menu buttons, press [MENU1] can switch to MENU2, and then MENU3.

Zm/C.Fn

Short press this button to set the changes of focal length changes, automatic Zoom, or manually Zoom 20 ~ 200 mm.
Long press [Zm/C.Fn] is used to set custom functions,you can define flash function according to the demand. Such as sleep, auxiliary focus lamp, prompt, backlight, etc, select to set up project, press the corresponding button to set the 0/1/2 required functionality.
[CLEAR C.Fn Set.] option is restarting Custom Settings, press [CLEAR] button can be restore custom settings.
[System restore] option is restarting the system, press [S.R] button can be restore factory settings.

+/- **FEB**

Press [+/-] button to set the flash exposure compensation（-3EV ~ +3 EV）or brightness output（1/128 ~ 1/1）, FEB to set the bracket exposure. Function adjustment is according to the current mode, based on the screen display.

[ ]

Press this button to determine whether the MASTER control unit [MASTER] participates in the exposure or not. Recommend not to participate in exposure, only to transmitter command signal to other slave flash light, thus the effect is much better.

RATIO

[RATIO] button can be pressed to set the flash light ratio ALL/A: B/A: B C, to show the number of groups the master unit can control.

Gr

This button is to select the flash ratio, exposure compensation and brightness output ofeach group. Master of ETTL, <Gr> can set the flash light ratio, exposure compensation; M/MULTI for master control unit, <Gr> can set the brightness of the output.

CH.15

Setting button for communication channel, it can switch to CH. 01~ CH. 15. Master control unit and slave unit are set up in the same way for Channel Settings.

SYNC

Sync shutter settings button, can switch toHigh Speed Sync, Rear Sync and Front-curtain Sync. is for High Speed, is for Rear Sync, and Front-curtain Sync is the default invisible.All flash mode of sync is set up in the same way.

Gr. zm

Remote control off-camera zoom button. Master unit, press this button to enter the "zoom" remote control interface, and then select A/B/C group, rotary dial again, it can set the zoom position of each group.

A Zoom

Automatic zoom, flash zoom position can be back and forth with the change of the focal length of the lens (20~200 mm).

Operate [ ] button to set the flash to SLAVE 2.4G RF mode, which means radio slave.

This remote slave unit is compatible with Shanny radio system, using radio master flash or radio trigger to fire the flash, such as SN600EX-RF /SN-E3-RF. Support high speed synchronization, TTL, remote brightness modification and other advanced functions.

Operate [ ] to set the flash to light trigger SLAVE S1/SALVE S2.

SLAVE S1 SLAVE S2

[Zm/C.Fn], [+/-], [CH] set focal length/custom functions, exposure compensation and telecommunication channels. For setting methods please refer to the master control unit introductions.

SLAVE 2.4G RF

Slave 2.4G wireless radio unit, support SN600EX-RF, SN-E3-RF trigger it.

Gr.A

Press this button to set the flash group A/B/C.

SLAVE S1/S2

S1/S2 optical trigger, the master flash can adopt the set-top camera M, TTL mode. S1/S2 mode's brightness can be manually set by the button of [+/-], brightness range is 1/128 ~ 1/1.
S1/S2 optical trigger mode can support High-speed sync. Press [SYNC] to set high-speed sync< >.

Normal set-top camera flash, press [MODE] to switch to ETTL/M/ MULTI mode.

ETTL

LCD panel displaying this icon indicates that the current flash mode is ETTL.The camera and the flash can manage automatic metering to ensure the correct exposure, thus to make the subject and the background get balanced exposure. In ETTL mode, you can set the flash exposure compensation and Bracket Exposure in range of -3EV ~+3EV, with an increment of 1/3 gear.

M

LCD panel displaying this icon indicates that the current flash mode is M, which means setting the flash output manually. Setting range is 1/128~1/1, with an increment of 1/3 gear. Rotate the dial to the right or left to add or subtract

MUTLI

LCD panel displaying this icon indicates that the current flash mode is MULTI, stroboscopic mode, which means using slow shutter to frequency flash light. It can shoot multiple continuous motions in one photo similar to animation shooting. You can set the flash output, guide number and flash frequency in stroboscopic flash mode.

[ ]

A communication icon, indicates that the camera and the flash connect normally.

Support the access to the menu of Canon camera

SN600EX-RF flash can control flash mode, wireless flash switch, zoom, power, output, exposure compensation, exposure bracketing, shutter sync and etc by the setting menu of the camera(only support the cameras which have access to flash menu).
Attention: The exposure compensation set by the flash will cover that set by the camera.

USB port

This interface is used to flash software upgrade, please pay attention to Shanny's official website to more about software upgrade instructions.

PC port

For flash sync cable connecting with camera or trigger.

Baffle board

Bounce Flash, by moving the flash head towards the wall or the ceiling, the flash will bounce off the surface before illuminating the subject, which can soften shadows behind the subject for a more natured-looking shot.
When use it, pull out the baffle board and Wide Angle dispersion plate together, then push back the Wide Angle dispersion plate to use the baffle board.

Flash head rotation

Flash head can be rotated up and down, left and right. Up/down from - 7 to 90 degrees, left/right from o to 180 degrees.

Overheating warning

If the flash continuously worksat short intervals, flash head temperature will rise and activate the "overheating" warning function. At this time the LCD panel will display [overheating] and lock the flash. Please cool the flash for more than 10 minutes.

Wireless Flash System's Simple Graphic Expression

Wireless radio signal transmission icon

Wireless radio signal transmission(Shanny wireless radio system):
Wireless radio system, SN600EX-RF as a mater unit, some other SN600EX-RF or SN600C-RF as slave unit ,can be as a 2.4G wireless radio system.Wireless radio system, as a master unit, SN600EX-RT can control many slave unit of SN600EX-RF or SN600C-RF flash as shown in the figure:

Specification Parameters

Guide number: GN60（ISO100，200mm）
Wireless Flash: Radio transmission Master and Slave, Slave S1/S2
Flash mode: ETTL, M, MULTI
Zoom range: Auto, 20～200mm (When using wide angle dispersion plate is 14 mm)
High speed sync: 1/8000s
Master flash: Master radio signal transmission
Slave flash: Radio SLAVE 2.4G RF, light trigger S1/S2
Shutter synchronization: High Speed Sync,Front-curtain Sync and Rear Sync
Flash exposure compensation: Support (with an increment of 1/3 gear in ±3 gear)
Remote power control: Support
Remote zooming control: Support
Bracket exposure: Support
Flash exposure lock: Support
Modeling flash: Support
AF assist-focus: LED focus lamp
Manual flash: 1/128~1/1 (with an increment of 1/3 gear)
Frequency flash: 1～199Hz
Recycle time: Quick flash less than 2s, ordinary flash less than 3s
Radio transmission distance: Radio, about 100m
Radio transmission channels: Radio, CH.01~CH.15
Flash ratio: 8：1~1：1~1：8
Flash groups: Support for multiple flash groups
Power supply: 4×AAsize batteries (Alkaline or Ni-MH is usable)
External interface: Hot-shoe, PC synchronous interface, external charging interface, USB upgrade interface
Software upgrade: Support
Measurement: 79.7（L）×142.9（W）×125.4（H）mm
Net weight: About 420g (not including batteries)

The content of this manual is formulated according to Shanny's internal test standards. If there are any changes in regard to product design and specifications, please understand there is no prior notice.

SHANNY

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FCC Caution:

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.

Any 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 radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by 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.

The device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction.