SHANNY

SN910EX-RF

Speedlite For Nikon

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 can not 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.

⑤ Please 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.

⑥ Please 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.

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

SN910EX-RF Product Functions

① **The set-top i-TTL flash:** Install it on the Nikon camera to achieve automatic flash photography.

② **Build-in 2.4G wireless radio module:** Build-in 2.4G radio wireless module, support FP, i-TTL. 2.4G wireless radio master and slave together, as a master unit, can trigger slave unit of SN910EX-RF.

③ Autofocus auxiliary functions.

④ Support S1/S2 optical tigger, and high-speed snyc.

⑤ Automatic zoom function, flash zoom position can be back and forth with the change of the focal length of the lens.

⑥ Support to FX/DX frame switch over.

Thank you very much for buying Shanny products.

Please read the instruction manual carefully before you install the SN910EX-RF on your camera, in order to achieve fully function of the flash and the camera.

SN910EX-RF is compatible with itself, support master and slave together, as a perfect 2.4G wireless system.

After the installment of SN910EX-RF to Nikon camera, Flash exposure compensation with the camera exposure compensation superimposed.

Set [⚡] button can set the flash to master unit. Press [SEL] button to choose groups,then press [MODE] button to choose this group's flash mode TTL/M/─, "─ -"means close the current group flash.

Master Unit

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 master unit RPT mode, sleep, auxiliary focus lamp, prompt, backlight, etc, select to set up project, press the corresponding button to set the 0/1/2 required functionality.
Remarks: RPT setging, long press [Zm/C.Fn] button to enter the custom function C.Fn02, can set RPT mode.
[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.

SEL

Press [SEL] button can be choose the master unit or flash groups, each operation can be M/A/B/C group set up in the cycle, then press [MODE] can be set group flash mode TTL/M/─ -.
Remarks: The flash of grouping M on behalf of the master control unit.

+/- & M

According to the [+/-] button to set the flash exposure compensation (-3ev ~ +3ev), [M]used to set the brightness output (1/128 ~ 1/1). Function adjustment according to the current mode, the image display shall prevail.

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.By customizing the C.Fn 10, slave flash can be set whether or not to accept the master remote control zoom.

Quick Guide

① Automatic flash: Set the flash to i-TTL mode, can fully automatic flash photography.

② Master unit(Radio): Press[⚡] button to set the SN910EX-RF to master unit,press [SEL] button to choose master flash or A/B/C group,then press [MODE] button to choose group mode TTL/M/─.

③ Master RPT mode(Radio): Long press [Zm/C.Fn] to custom function, set C.Fn 02 to "ON".

④Slave unit(Radio): Press [⚡] button to set the SN910EX-RF as SLAVE 2.4G RF, and can be controlled by the master unit SN910EX-RF.

⑤ Light trigger slave unit: Press [⚡] button, set the SN910EX-RF to SLAVE S1/S2.

⑥ The set-top flash: Press [MODE], switch to i-TTL, M, RPT mode, mounted on the camera and flash.

⑦High-speedsync: From the camera menu,set the auto FP icon turn to "on",after set the auto FP, your camera can use any shutter speed.(Please refer to your camera instruction manual)

⑧Set 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

① When wireless radio flash, Please set the SN910EX-RF to wireless channel CH.01 ~ CH.15 through the flash.

② SN910EX-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 light red, it means master flash with slave flash wireless connection is lost.

③ When you enter the main control unit, LINK indicator flashes for a few seconds, said the radio signal configuration.

Precautions about the continuous flash

① To 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.

② If 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.

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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<FP>.

Normal set-top camera flash, press [MODE] to switch to i-TTL/M/RPT mode.

FP

LCD panel displaying this icon indicates that the current flash mode is i-TTL. 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 i-TTL mode, you can set the flash exposure compensation and bracket exposure in range of -3EV ~ +3EV, with an increment of 1/3 gear.

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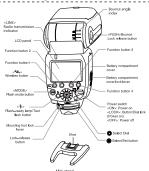
RPT LCD panel displaying this icon indicates that the current flash mode is RPT, stroboscopic mode, which means using slow shutter to frequency flash light. It can shoot multiple continuous motions in one photo similar to animation shooting. You can set the flash output, guide number and flash frequency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

Component

Catchlight panel(retracted)
Bull–in wide panel (retracted)
External expansion interface
Flash head
Terminal cover
wireless radio module
Terminal cover
Optical transmission wireless sensor
External power source socket
AF-assist
PC terminal
Mounting foot
Bracket mounting hole
Locking pin
Contacts

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

Bounce angle index
<LINK> Radio transmission indicator
<PUSH>-Bounce Lock release button
LCD panel
Function button 3
Function button 2
Battery compartment cover
Function button 1
Battery compartment cover lock lever
<⚡> Wireless button
Function button 4
<MODE> Flash mode button
Power switch
<ON>: Power on
<LOCK>: Button/Dial lock (Power on)
<OFF>: Power off
Flash-ready lamp/Test flash button
Mounting foot lock lever
Select Dial
Lock—release button
Select/Set button
Shoe

Mini stand

Master RPT Mode

Long press [Zm/C.Fn] button to custom functions, selet teh C.Fn 02 to "ON", enter to RPT mode.

[The Times], [Hz] button to set the flash times and flashing frequency respectively.

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

Turn on FX/DX camera format identification mode by flash custom function, the flash will automatically adjust zoom to fit different format camera.Turn off FX/DX camera format identification function, flash head zooming of SN910EX-RF is the default mode.

For flash sync cable connecting with camera or trigger.

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 can be rotated up and down, left and right. Up/down from - 7 to 90 degrees, left/right from 0 to 180 degrees.

If the flash continuously works at 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.

Main Display Interface

Master Unit(Radio): 2.4G wireless radio master unit, can master control another SN910EX-RF, support FP, TTL flash.

On-camera i-TTL: Mount the camera for automatic flash photography.

Remote Slave unit (Radio): wireless radio slave unit,can receive SN910EX-RF , support FP, TTL flash.

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

Preparations

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

Specification Parameters

Guide number: GN60（ISO100，200mm）
Wireless Flash: Radio transmission Master and Slave, light Slave S1/S2
Flash mode: i-TTL,M,RPT
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: 1～100Hz
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 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 428g (not including batteries)

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 light red, it means master flash with slave flash wireless connection is lost.

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.

⚡

Pressing [⚡] button 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 i-TTL, manual flash, frequency flash RPT mode.

Wireless Flash System's Simple Graphic Expression

Wireless radio signal transmission
Wireless radio signal transmission(Shanny wireless radio system For NIKON):
Wireless radio system, SN910EX-RF as a master unit, some other SN910EX-RFs as slave unit ,can be as a 2.4G wireless radio system.Wireless radio system,as a master unit, SN910EX-RF can control many slave units of SN910EX-RF.
As shown in the figure:

SLAVE Group A
SN910EX-RF
SLAVE Group C
SN910EX-RF
SLAVE Group B
SN910EX-RF
MASTER
SN910EX-RF

Description:
① As master flash unit to set the flash to 【MASTER】, Control group set up according to demand and adjust power output.
② As slave flash unit to set the flash to 【SLAVE 2.4G RF】, group set to A/B/C.
③ Master unit and slave unit is required to set to the same communication channel.

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.

CH.08

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.

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).

FP

FP sync icon,this position will show [high-speed syn], FP can be set through the camera, Please refer to the related instructions set method.

Operate [⚡] button to set the flash to SLAVE units.

SLAVE 2.4G RF

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 wireless radio unit for Nikon, support SN910EX-RF master unit.

Gr. A

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

S1/S2 optical trigger, the master flash can adopt the set-top camera M, TTL mode. S1/S2 mode's

FCC Statement

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.

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.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.