Ⅰ**. Warning**

To avoid fire or electrical shock, do not expose this product to rain or moisture.

To avoid short circuit, be sure the batteries contacts are securely packed and in accordance with local provision when handling the batteries.

Please place the batteries and the parts which can be swallowed mistakenly away from children.

Contact a doctor immediately when it occurs.

To avoid possible injury to eyes, do not use the flash light in a short distance from the eyes.

To avoid possible safety accident, do not use the flash light on the people who need a high degree of attention.

Please take out the batteries and stop using immediately in case of below:

• This product is dropped or shocked seriously and the inner part of the product is bared.

• If the battery leaks corrosive liquids, please take out the battery with gloves.

• The product gives off strange smell, smokes or heats.

Do not disassemble or maintain this product. Touching the internal high voltage circuit will cause electric shock.

Remove batteries during long periods of non-use.

Ⅱ. Features

●GN50 @ ISO100
WANSEN new large guide number manual speedlite, supporting M modes

●THE HIGH SENSITIVITYWIRELESS TRIGGERING SENSOR
The high sensitivity wireless triggering sensor inherits from WS-560, which makes the S1 and S2 mode can beused in outdoor environment and the wireless triggering distance is as long as 15m

●SOUND PROMPT SYSTEM
Turn on the sound prompt function, different sounds indicate working situations help you focus on shooting (Note: the sound can be closed).

●PC PORT SUPPORTED
WS-560   provides PC port，you can make the flash synchronously by connecting to the PC port.

●SUPER SPEED OF CHARGING RECYCLE
It only takes 3 seconds in charging after full power output. Even without new batteries, you can get the supercharging speed that it only needs 4~5 seconds; In addition, you can use the external power pack to acceleratethe charging speed once more.
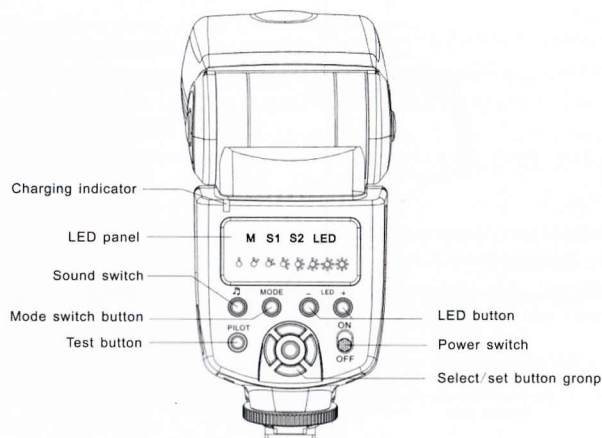
●HIGHSPEED CONTINUOUS SHOOTING
Under the output level of 1/8 or below, WS-560 can support the 8FPS high-speed continuous shooting.
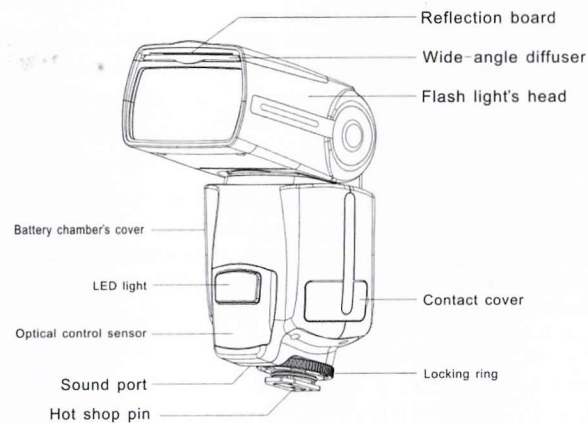
●THE AUTOMATIC SETTING SAVING
WS-560 can automatically save your current setting.

IV. Nomenclature (please make the object as the standard)

- Reflection board
- Wide-angle diffuser
- Flash light's head
- Battery chamber's cover
- LED light
- Optical control sensor
- Contact cover
- Sound port
- Hot shop pin
- Locking ring

- Charging indicator
- LED panel
- Sound switch
- Mode switch button
- Test button
- M S1 S2 LED
- LED button
- Power switch
- Select/set button gronp

Ⅴ. Installation Instruction

1. Install Batteries
Slide the batteries chamber's cover in the direction of the arrow.

Insert the batteries according to the label inside battery chamber.

Make sure the direction of the batteries' polarity is correct.

Close the battery chamber cover in the direction of the arrow.

2. Mount the speedlite on your camera
Loosen the locking ring by turning it in the direction of the arrow.

Slip the speedlite hot shoe stand into the camera hot shoe stand until it stops.

Turn the locking ring in the direction of the arrow tighten.

To detach the speedlite, loosen the locking ring by turning it in the opposite direction.

VI. Basic Functions

1. Basic Operations

Operation of the buttons:

Component	Operation
[Power Switch]	On/off for flash ligh
[Mode Switch] button	The mode of the speedlite will be switched among the M/S1/S2/LED in circle for each press
[Sound Switch]	Every press can enable or disable the sound prompt function.
[LEFT]-[RIGHT]-and[OK]	The output level, Stroboscopic flash count, Stroboscopic flash frequency of thespeedlite can be adjusted through these buttons.
[UP]and[DOWN]button	You can make a fine tuning to the output power of the speedlite
[—] LED [+] button	By rotating this button you can adjust the brightness of the flash light
[PILOT] button	Press this button and the speedlite will test flashing in current output level.

2. Power-on and Power-off

The power of the speedlite can be turned on or turned off by holding this button for 2 seconds. It is suggested that the battery shall be taken out after the power of the flash light is closed through this button.

After turning on the power switch of the speedlite, the charging indicator is red, which indicates the flash is available.

If the charging is not completed within about 25 seconds, the flash will automatically shutdown. Then you need to replace with new batteries.

You may press the testing button PILOT to test whether the speedlite works normally.

3. M Mode

In M mode, you can set the flash output level as you like. By [LEFT] [RIGHT], [UP] [DOWN] and [OK] in the middle, you can adjust the flash output level. The adjustment range of the flash output level is 1/128 ~ 1/1.There are 8 levels of output and each level has 4 fine tuning stalls. The [UP] [DOWN] is used to fine tune the output power in 0.3ev and 0.2ev. For shooting, what you need is to set the flash output level, adjust the camera and press the shutter. The speedlite will flash with the synchronic signal of the camera.

4. S1/S2 Modes

By pressing the [Mode Switch Button], the flash will step into the S1/S2 mode. These two modes are suitable to be used as off-camera auxiliary light, so as to create a variety of lighting effects. They are suitable for manual flash environment and TTL flash environment respectively. Under these two modes, the way to adjust the output level is like that in M mode, which is to press the [LEFT] [RIGHT], [UP] [DOWN] button. When using S1/S2 mode, you can rotate the flash head to make the wireless triggering sensor face with the master light.

When the flash is in S1 mode, it will work with the first work of the master flash synchronously, with the result

consistent with the use of radio slave. To use this mode correctly, the master flash should be set at manual flash and the TTL flash system with preflight function and the red-reduction function with multiple flashes should not be used.

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

The following situation shall be avoided when the S1 and S2 modes are used: the red eye reduction function of the main light is used; the order mode (Nikon) or wireless mode (Canon) of the master is used; the ST-E2 is used as the flash controller.

LED mode：   LED Video Light

6. Test Flash

Whether in any mode, you can press PILOT button to test if the speedlite flashes normally.When testing the speedlite, the speedlite will give flash at relevant output level in accordance with the chosen output power setting.

7. Overheating protection

If the speedlite is used too frequently, its overheating protection function will be triggered, In such case, please wait for about few minutes to cancel the protection. Please try to use the 1/4 output or lower when rapid shooting is needed to prevent the effect on the shooting

8 PC synchronous port (for input)

By connecting to the PC synchronous port, you can make the flash synchronously.

9. Automatic setting saving

The speedlite will automatically save the current settings in order to let you have a simpler use next time after boot.

VIII. Specifications

Circuit design	Insulated Gate Bipolar Transistor (IGBT)
Guide No.	50 (ISO 100)
Flash mode	M, S1, S2, LED
Vertical rotation angle	-7~90 degrees
Horizontal rotation angle	0~270 degrees
Power supply	4×AAsize batteries (Alkaline or Ni-MH are usable)
Lighting times	100~1500 times (AA alkaline cell used) Recycle time approx 3s (AA alkaline cell used)
Color temperature	5600k
Flash time	1/200s~1/20000s
Flash control	8 levels of output control (1/128~1/1), 29 levels of fine tuning
External interface	hot shoe, PC port
Wireless triggering distance	10~15m
Additional features	sound indicator, automatically saving, PC port, power saving mode and overheating protection
Dimensions	60×190×78mm (Extended state)
Net weight	350g
Accessories	Flash light (1), protecting bag (1), mini stand (1) and manual (1)

IX. Possible problems during use and solutions

1. Please note when use the flash outdoors:

For outdoor application, please avoid direct sunlight to thewireless triggering sensor and ensure normal use of the flash.

2. Precaution for outdoor use of lambency umbrella:

The lambency umbrella mounted on the flash lightoutdoors may be blown down easily, and the hot shoe of the flash light may be broken. Please fix the mountingrack or avoid outdoor use.

3. Photos are under exposure or over exposure:

Check if the set shutter, aperture and ISO are too nearthe flash limit or if some settings including exposure compensation in relation to flash are proper.

4. Vignetting appears in photos or only part of the subject is illuminated:

Please check the current coverage of focal length and make sure if the lens focal length exceeds the coverage range of the flash.

5. The flash light is abnormal:

Switch off the power of speedlite and camera, mount the flash light on the hot shoe of camera, and switch on the power of flash light and camera again. If the abnormity continues,replace the batteries.The functions of this manual are based on test conditions of our company. Further notice will not be given if the design and specifications change.

Design and specifications subject to change without notice