

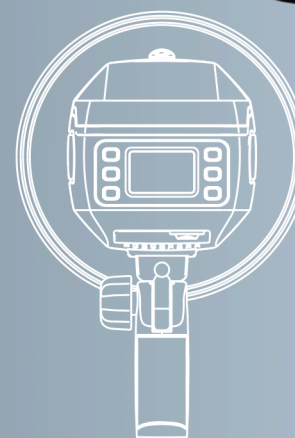
NEEWER

VISION5 Wireless TTL Flash Technical Data

Model No.	VISION5
Output power	400Ws
Guide No.(2m, ISO100)1/60 reflector SF-610	70
Output control range	1/128-1/1
LED modeling lamp	13W
Color temperature (in constant color temperature mode)	5600±200K
Flash duration (not in constant color temperature mode)	1/650-1/10000s
Flash Mode	ETTL/M/Multi
Stroboscopic flash	Number of Flashes 20, Frequency 30Hz
Flash exposure compensation (FEC)	±3 f-stops in 1/3 increment (in TTL model:)
Sync mode	High speed sync(up to 1/8000s), First curtain sync, Second curtain sync
2.4G radio channel	Ch.1-8
Wireless radio ID	1-30
Controllable group	A, B, C three groups
Sync trigger	Φ3.5mm sync cord/VC-818TX (optional)
Fan	YES
Beep	YES
Lithium capacity	11.1V, 6000mAh
Charging voltage	100-240v~ 50/60Hz, 12VDC
Power indicator	YES
Full power flashes	500
Recycling time	0.01-2.8s
Dimension (with battery)	20*12*12cm
Weight (with battery)	1850g
External port	PC port, USB port

*Tested with SEKONIC L-758DR light meter. Using the included reflector.

*Due to our policy of constant product improvement, we receive the right to change equipment specifications without notice



VISION5TTL

Wireless Location Shooting

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TTL Auto Flash

1/8000s high sync speed

Lithium battery powered

Stroboscopic flash

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Introduction

Thank you very much for selecting VISION5 wireless TTL flash light. Please read these instruction carefully and keep them handy for your reference.

VISION5 TTL studio flash for location shoot, 400Ws (GN 70) , 1/8000s high sync speed, with build-in TTL receiver. Locking VC-818TX transmitter on camera, you can total control with remote VISION5 studio flashes, such as TTL/ M/ Multi, without leaving shooting place. Whether shoot in bright sunshine with wide open aperture, shoot during fast moving events, or shoot in scene where ambient light varies, the reliable TTL wireless trigger and 1/8000s high sync speed, makes photography with more flexibility, freedom and efficiency. VISION5 is perfect tool for shooting portraits, weddings and sports, allowing you to get perfect shot anytime and anyplace.



WARNING: The light must work with the original power adapter within the product package, otherwise the product will be easily damaged.

Safety Note

- ⚠ Do not use the unit in an environment where moisture or flammable vapor is likely to come in contact with the unit.
- ⚠ Do not explore any components in direct sun for a long time.
- ⚠ Do not restrict air vents while in use.
- ⚠ Do not use a unit with damaged covers, flash tubes, modeling lamps. If the unit is dropped or damaged in any way, always have it checked out before using it.
- ⚠ Do not place flammable materials close to either the flash tube or the modeling lamp when the unit is in use.
- ⚠ Do not attempt to disassemble or service the unit on your own to avoid shock hazard. Only flash tubes and batteries may be replaced on your own.
- ⚠ Do not drop foreign objectives inside the housing. There is a risk of electrical shock.
- ⚠ Always use a blower brush or clean facial tissue to remove dust and moisture from the modeling lamp and the flash tube.
- ⚠ Always turn off the unit whenever mounting or dismounting accessories.
- ⚠ Always turn off the unit and remove battery before maintenance.
- ⚠ Always keep out of reach of children.

Warning Sign

Prescription of this manual

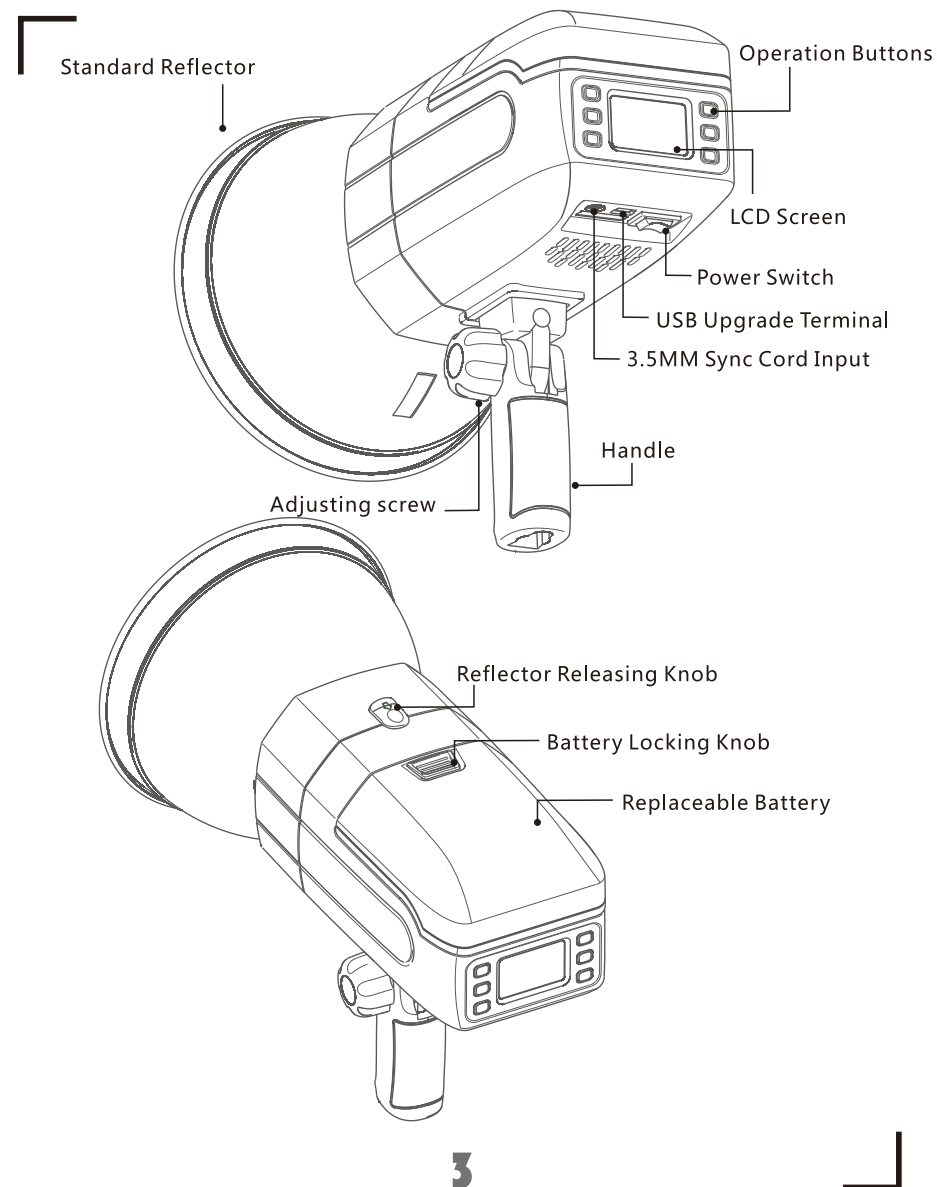
- The manual is based on the assumption that both camera and flash light are powered on.
- The following alert symbol is used in this manual:
 - ⚠ This Caution symbol indicates a warning to avoid shooting problem.

Content of Carton

Your VISION5 flash light should include the following items, please check carefully.

- 1x VISION5 studio flash
- 1x Lithium battery (included in VISION5 studio flash)
- 1x LED modeling lamp (included in VISION5 studio flash)
- 1x 100-240V charger for lithium battery
- 1x Standard reflector
- 1x Protective cover

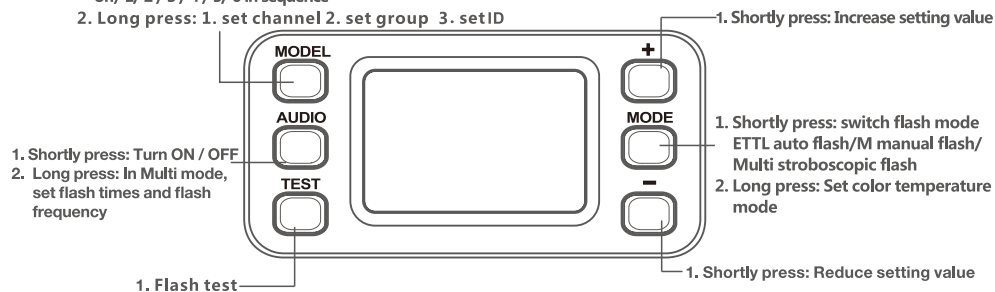
Name of Parts



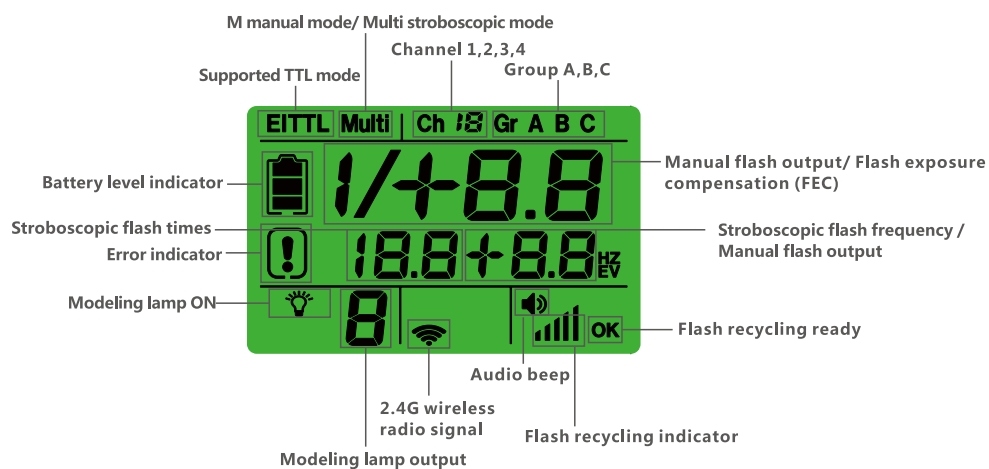
Operation Panel

1. Shortly press: Control modeling lamp turn off/ 1/ 2 / 3 / 4 / 5 / 6 in sequence

2. Long press: 1. set channel 2. set group 3. set ID



LCD Screen



4

1/Prepare flash for use

1-1 Fix Flash on Light Stand

Select a light stand or support system of suitable weight and dimensions to ensure stable operation of the unit. Rotate knob clockwise to lock flash unit firmly on support system.

1-2 Release Protective Cap

To remove protective cap, push reflector release knob back towards the rear of the unit and rotate protective cap anti clockwise (Fig 1). Put the protective cap aside.

CAUTION: To avoid deformation of plastic protective cap, always cool down flash unit before fitting protective cap.

1-3 Install Standard Reflector

Install standard reflector where the protective cap was before. Align the three pegs on the reflector with the three slots, press the reflector in and rotate clockwise until it locks in place (Fig 2 & 3).

CAUTION: Always switch off the unit before fitting and changing reflectors.

1-4 Adjust Flash Light Angel

Rotate regulating screw anticlockwise, adjust the unit to appropriate angle. Rotate regulating knob clockwise to secure flash head.

1-5 Install Battery

Push battery forward until hear a clicking sound (Fig.4).

CAUTION: Switch off power before remove battery. Press down lock button and move it backward (Fig.5).



(Fig1)



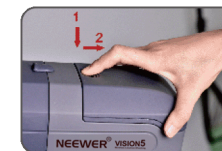
(Fig2)



(Fig3)



(Fig4)







(Fig5)

5

2/ Swith on Flash Light

Press power switch to turn on Flash light.
When the flash is not operated, LCD screen is in standby state.

3/ Battery Level

Battery level indicator	Battery level
	full battery
	medium battery
	Lower battery
	Charge battery before it runs out. Note: Use or stock battery only after charging.

4/ Charging battery

① AC charge: Battery charger is developed for international use within the range of AC 100-240V. Insert 5.5mm round terminal into charging socket of the battery, and insert the other end of the charger to a grounded outlet(Fig6). When the unit is in charging, LED indicator on the charge lights up red. When the unit is fully charged, LED indicator on the charge lights up green. A fully exhausted battery reaches full power after 5 hours' charging. Depending on the battery condition, charging hours may change.

WARNING: The light must work with the original power adapter within the product package, otherwise the product will be easily damaged.



(Fig6)

5/Battery protective maintenance

- 1.Charge the battery fully before using the unit for the first time.
- 2.If leave battery in studio flash, it will be consumed even without use. To prevent battery from excessive discharge, after you finished use the studio flash or before you store the studio flash, please switch off the unit and remove battery.
- 3.The battery itself consume during stock, to keep good performance of battery and avoid exhausted, always charge battery from stock at least every three month.
- 4.Do not drop the batteries onto hard surfaces, as this could expose the corrosive materials inside the battery case.
- 5.Do not attempt to incinerate Lithium batteries or expose them to excessive heat. Batteries can explode if you toss them into a fire or place them near other extreme heat sources.
- 6.Charging times and numbers of flashes may vary according to the condition of the battery.

6/ Operating Audible Beep

You can turn audible beeper "ON" and "OFF" by pressing the AUDIO button. The speaker symbol will display on screen when the beeper is on. When the beep is active, it will sound once the flash is recycled and ready to flash.
During recycling, the recycling state is indicated by a series of shaded bars. When the unit is completely recycled, the numbers of shaded bars reach at maximum.

7/ Operating Modeling Lamp

Shortly press [Model], brightness of modeling lamp varies from 6 to 1 and "OFF" in sequence.

Brightness of modeling lamp is adjustable in <TTL>, <M> and <Multi> mode.



8/ Select Triggering Ways

1) Sync cord Connection

The 3.5mm Sync Cord Input on the flash may be used for direct connection to a camera set to synchronization. A radio slave receiver may also be plugged into the Input.

Supporting flash mode: <M> or <Multi>

2) 2.4G wireless radio trigger

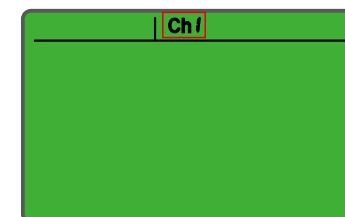
Use VC-818TX TTL radio transmitter to trigger synchronously.

Supporting flash mode: <TTL>, <M>, <Multi>

10/ Setting Channel / Group and ID

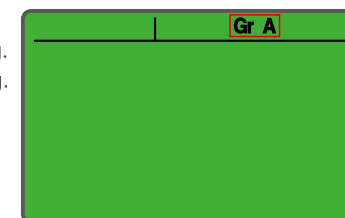
10-1/ Setting Channel <Ch>

Long press [MODEL] button till <Ch> parameter blinking. Press [+] or [-] button to set channels.



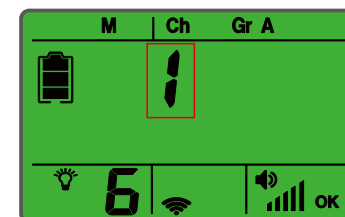
10-2/ Setting Group <Gr>

Long press [MODEL] button till <Gr> parameter blinking. Shortly press [MODEL] button, <Gr> parameter blinking. Press [+] or [-] button to set groups.



10-3 Setting ID

Long press [MODEL] button till <Ch> parameter blinking. Shortly press [MODEL] button twice and access to set up ID. Press [+] or [-] button to set ID.



Note: Model number of transmitter which matches with VISION5 studio flash is VC-818TX. VC-818TX transmitter works as a master unit, and VISION5 works as slave unit. In order to effectively trigger flash, you need to set VISION5 and VC-818TX at the same channel and ID. When adjust flash mode and parameters of studio flash, please set VISION5 and VC-818TX at the same group.



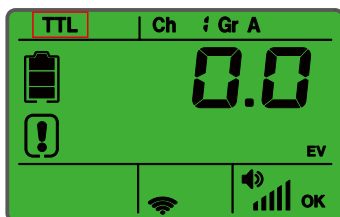
VC-818TX

11/ Flash Mode-TTL Auto Flash

VISION5 studio flash is integrated with TTL communication function. Mounting VC-818TX transmitter on camera, the camera and flash will work together to release proper exposure.

1) Set Flash light in TTL Mode

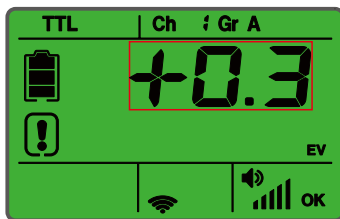
Shortly press [MODE] button, the flash will set as <TTL>.



2) Flash Exposure Compensation (FEC): The FEC range is adjustable from -3 to +3 in precision 1/3 f-stop increments. FEC is very useful to make quick minor adjustment of exposure of the TTL system, and create ideal exposure as you like.

Set Flash Exposure Compensation (FEC)

Shortly press [+] button or [-] button to set FEC value. 0.3 means 1/3 f-stop, 0.7 means 2/3 f-stop. In LCD screen, < + > means more exposure. < - > means less exposure. Cancel the flash exposure compensation, set the amount to < 0 >.



3) Flash exposure bracketing (FEB)

The flash supports FEB function. Set FEB on camera only. On the LCD screen, there is no signal.

4) High-Speed Sync

When use flash together with VC-818TX TTL radio transmitter, enable the flash to synchronize with certain camera in high-speed sync. The maximum sync speed is up to 1/8000s. Set high-speed sync on camera only. On the LCD screen, there is no signal. When photographers shoot outdoors in bright sun with wide open aperture, fast shutter speed can cut the ambient light, get amazing result as you want.

⚠ Caution:

- The camera and transceiver should support HSS function.
- The faster the shutter speed, the shorter the effective flash range
- Multi flash can't be used under high-speed sync mode.
- Overheating protection may be active after 50 successive high-speed sync flashes. Please turn off the flash and rest it for 30 minutes to cool down.

12/ Flash Mode-Multi Stroboscopic Flash

According to one shutter signal, the flash will generate a series of fast flashes, and multiply images will be integrated in one picture. It is useful to capture trajectory of a moving object. You can set flash output power, flash frequency and number of flashes. Maximum number of flashes is 20 and maximum flash frequency is 30Hz.

1) Set Flash Mode <Multi>

Shortly press [Mode] button, the flash will set as <Multi>.

2) Set Flash Output

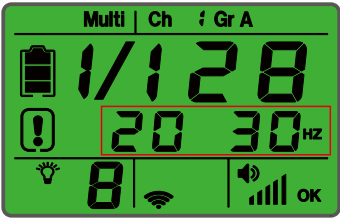
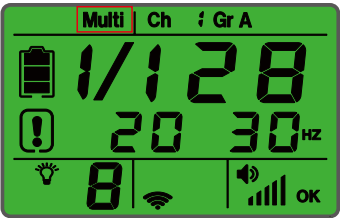
Shortly press [+] button or [-] button to set flash output power.

3) Set number of flashes

Long press [AUDIO] button till number of flashes parameter blinks. Press [+] button or [-] button to set number of flashes.

4) Set flash frequency

Long press [AUDIO] button till number of flashes blinks. Shortly press [AUDIO] button, flash frequency parameter blinks. Press [+] button or [-] button to set flash frequency. Press [+] button or [-] button to set flash frequency.



⚠ Caution:To prevent flash damage from overheating, don' t continuously use stroboscopic flashes more than 10 times. After 10 times, please rest flash at least 15 minutes. If overheating protection is active, flash will stop firing, please cool down flash for 30 minutes.

Note:

Use stroboscopic flash in a dark environment is more effective.

Maximum output power of stroboscopic flash is 1/4 step.

Stroboscopic mode can be used with bulb.

To ensure shooting effect, you may use the formula below to calculate the shutter speed and set it with the camera.

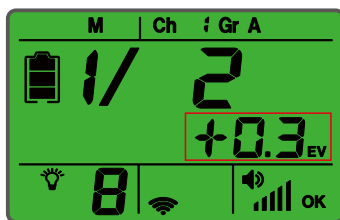
Shutter Speed=Number of Flashes / Flash Frequency

Suggested Best Shooting Effect

Output flash power	Optimum number of flashes	Optimum flash frequency
1/4	3	3Hz
1/8	8	10Hz
1/16	10	10Hz
1/32	10	15Hz
1/64	10	20Hz
1/128	12	20Hz

13/ Flash Mode-M Manual Flash

When use flash in manual mode, flash output power is adjustable from 1/1 to 1/128 (8 f-stop) with 1/3 f-stop increment.



1) Set flash mode <M>

Shortly press [MODE] button, flash mode set as <M>.

2) Set flash output power

Press [+] button or [-] button to adjust and set flash output power.

14/ Constant Color Mode ON/OFF

When constant color temperature mode is active <ON>, despite variation of flash output power or high-speed sync, the color temperature of the flash remains $5600 \pm 200K$.

When constant color temperature mode is inactive <OFF>, flash duration is the first concern, and color temperature varies. Flash duration can reach 1/10000s, which can be used for freezing fast moving object.

Setting color temperature

1.Long press [Mode] button till <F1> shows on LCD screen.

2.Press [+] button, constant color temperature is active <ON>. Press [-] button, constant color temperature is inactive <OFF>.



16/ How to use VISION5 flash with other flash light

1. Match **VISION5** with other series of studio flash(VCHHLR, VCHH, VE PLUS, VL PLUS, **VISION4**) from **VISION** :Use VC-816TX transmitter, connect **VISION5** with VC-16RX radio receiver, realize flash trigger(Flash power and model lamp of **VISION5** can't be controlled by VC-801TX).
2. Match **VISION5** with other series of studio flash(VCHHLR, VCHH, VE PLUS, VL PLUS, **VISION4**) from **VISION** :Use VC-818TX transmitter, realize flash trigger and power adjustment together (modeling lamp of other series of studio flash from **VISION** can't be controlled by VC-818TX).

17/ Error codes

E1:Temperature Transducer problem. Turn the unit OFF immediately and contact the place where you purchase the flash.

E2:This error code can display after a long shooting session at high output or rapid sequence. Flash will make alarm, reminding user to cool it before operate it again. Turn OFF the flash and allow it to rest 30 minute

E3:This error code will display when the internal voltage of the flash is too high. Turn OFF the power immediately. After a few minutes, turn on the flash again. If you still have the malfunction warning, turn OFF the unit and contact the place where you purchased the flash.

E4:Internal charging problem. Turn off flash light immediately, and contact the place where you purchased the flash.

E5: battery is in low power protection. Please charge the battery in time.

Low voltage protection: Before battery running out, battery signal on the LCD screen will blink. Please charge battery as soon as possible. If not charge the battery in time, power of the flash will cut off automatically when battery voltage is lower than 8.6V.

18/Installing Umbrella

An umbrella with a handle diameter of 8 mm can be firmly secured in the umbrella holder. When the standard reflector is used, fit the umbrella in the hole of the reflector(Fig8). Firmly press the umbrella shaft through the holder, the locking knob is located on the side(Fig9&Fig10) .

⚠ Do not over tighten to avoid damaging the shaft of the umbrella.



Fig8



Fig9



Fig10

19/ Changing Flash Tube

19-1 Discharge the Flash Unit

The flash must be discharged before removing flash tube. To discharge the flash:

1. Make sure the Flash unit is ON.
2. Push "TEST" button on the rear panel of the Flash.
3. Immediately turn off the power switch. Do not allow more than 1/2 second between pressing the "TEST" button and turning the flash off.
4. Remove battery. It is recommended to wait at least 30 minutes before touching /removing the flash tube.

! Note: Use white cotton gloves or a clean cloth to prevent fingers from touching the flash tube.

19-2 Remove Old Flash Tube

First, remove the reflector. You will need to remove the retention spring wrapped around the top of the flash tube. With needle-nose pliers, unhook the retention spring loop. Grip the base of the flash tube on each side. Carefully pull the flash tube from the flash unit.



Fig11



Fig12



Fig13

19-3 Install New Flash Tube

Safety Note: Make sure the power switch is OFF and the flash is without battery on it.

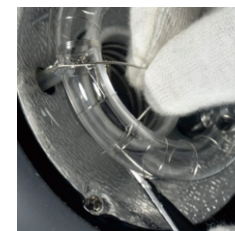
1. Align the pins on the flash tube with the pin receptacles. Push the pins into the receptacles using firm, even pressure at the base of the flashtube (Fig.14).
2. Wrap wire on hook (Fig.15).
3. Wrap wire around flash tube for one circle (Fig.16).
4. Wrap wire on hook again. With needle-nose pliers, gently pull the wire upward until tighten (Fig17).
5. With needle-nose pliers, cover retention spring over the wire, and hook the retention spring loop at the top of the flash tube (Fig.18&19).



(Fig14)



(Fig15)



(Fig16)



(Fig17)



(Fig18)



(Fig19)



20/Flash Capacitor Preventative Maintenance

One of the most important components of an electronic flash is the capacitor. Following the preventative maintenance below will increase the life and the reliability of your flash.

If the unit is left unused for 3 months or predominantly used at low power settings, it is recommended that the power be increased to maximum and the unit left switched on (modeling lamp OFF) occasionally for at least 30 minutes to help preserve the life of the capacitors.

21/ USB Firmware Update

- 1) Visit **VISION** official website (www.neewer.com) to download the firmware upgrading drive and the firmware of the latest version.
- 2) Turn off the power, and press and hold [MODEL] button, meanwhile, switch on the power. Then, the screen will display an interface indicating firmware upgrade is accessible.
- 3) Connect the flash to PC with a USB cable (not included).
- 4) Follow the tips on the software to finish firmware upgrade.

Main features

- Build**---strong and sturdy, Light and handy, great features, highlight outdoors hooting quality
- Lithium battery**---Adapt high-performance and user replaceable Lithium battery, 2.8s fast charging recycling system, 500 full power shoots per charge.
- Power**---400Ws flash output, GN70, enough power for on-location shoot. Whether shoot in bright sunshine or low-light environment, **VISION 5** allow you to get perfect image.
- LED modeling lamp**---**VISION5** studio flash use advanced 13W LED modeling lamp. brightness adjustable in 6 steps ,
- 1/8000s High speed sync**---When High Speed Sync function is activated, the maximum sync speed is up to 1/8000s. When photographers shoot outdoors in bright sun with wide open aperture, fast shutter speed can cut the ambient light, get amazing result as you want
- TT Lauto flash**---**VISION5** studio flash has build-in TTL receiver function. It is ready for TTL communication with camera attached with VC-818TX TTL transmitter.
- Exposure compensation**---Exposure compensation range is -3.0~+3.0EV, increase or reduce by precision 1/3EV.
- M Manual mode**---Flash output power is adjustable from full to 1/128 (8 f-stops), increase or reduce by precision 1/3EV.
- Multi stroboscopic mode**---In Multi mode, **VISION 5** studio flash release a rapid sequence of shots, can shooting motion trajectory by one shutter, and clearly catch object moving track.
- Channel and Group**---**VISION5** studio flash adapts 2.4G wireless remote trigger system, Include 8 independent channels and 30 radio wireless ID. Under every channel, you can divide units in three groups (A,B,C).
- 1/10000S flash duration**---1/10000s flash duration, capture splendid instant of fasting moving object.
- Protection**---Overheating/Overvoltage/Overcurrent/ flash charging protection, ensure studio flash best performance.
- Update**---Support firmware upgrade.