WildSpot Flash Booster IRX-20B-850

OPERATION MANUAL (VER.20121207)

Product Description

Thank you for purchasing the **WildSpot Flash** product. This WildSpot Flash IRX-20 infrared flash booster can help to improve the quality of trail camera photos and videos by increasing the flash illumination at night. It is ideal for working together with any brands of general IR game camera as it's default setting and come with a gooseneck IR sensor. An attached cable is used for connection directly between the booster and the Ext-Booster port (IR-OUT) equipped on the scouting camera is compatible for all **WildSpy Night Vision Camera** series. With a same cable, there are up to 4 sets of boosters to be extended in a chain connection for getting up to 4 times of illumination as you need. It will stand by all night and only consumes a very little power. Therefore, a group of good quality Alkaline batteries will remain the booster to work for more than three months in the field for taking more than a few thousand images under normal conditions.

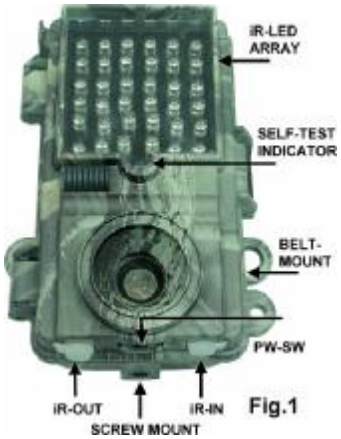

Fig.1

Kit List

This package kit is including the accessory parts as below:

1. **Main Unit x1 set**
2. **Gooseneck IR Sensor with Cable x1 pc**
3. **Cable x1 pc (Reserved for WildSpy IR Camera or become a slave extender)**
4. **Belt x1 pc**
5. **Instruction sheet x1 pc**

Preparation

Main Unit:

This model will be compatible for all night vision cameras. It is ideal for users who would like to enhance their existing visible RED Glow IR camera to take much better high quality pictures and videos at night. The power is required 4 pcs good quality D cell Alkaline batteries for the best result of working performance. After installing batteries into the compartment according to the polarity indication on the cabinet, push the BAT-Check button once and see if the Bat-Test LED does work in order to verify the battery are in good condition. (Fig. 2) Then plug the sensor cable into the IR-IN port. With the factory default, the option pin of the TRIGGER source is selected for IR-Sensor (PIN 1-2) which it is located at UPPER position). The gooseneck sensor is snapped on the place near the IR light of camera in order to detect a moment of camera capturing at night. It always work synchronously with your camera whatever taking picture or video. If you will use it for indoor security application, it is also available to be upside down mounted on ceiling with a general mounting accessory. But this upside down installation method will not be applied for OUT-DOOR usage. The booster is mounted on a tree with the attached belt as the installation method shown like Fig.3.

Fig. 2

Always to slide the PW-SW to OFF (at Center) if it is not in-used.

Connection Methods for Difference Devices

1. Work with General Brand IR Camera

Since above installation is done, no more adjusting will be required. With the default setting, the snap stand of gooseneck IR sensor must be required snapping on the camera and the IR sensor head always face and be very closed to the IR light source of camera. See the Fig.3 for a connection. It will always work with your scouting camera synchronously at night time.

2. Work with WildSpy IR Camera:

If you are using any WildSpy Cam Night Vision models, an easy way is for you that you just use the attached cable to connect the camera and booster directly. In this case, the gooseneck sensor will not be required for installation. One plug is required to insert to the IR-IN port in booster and the other plug is inserted into the IR-EXT port on camera. Also, change the TRIGGER source pin on booster for CABLE connection (which the jumper is move to the LOWER position Pin 2-3). In this application, this booster will work as a slave of the camera.

Fig.3

3. Work with more Wildspot IR Boosters:

In many cases, you might already have one Wildspot Black IR booster and would like to add more booster to be a slave to increase more illumination. You can use the attached cable to connect the Master booster and the Slave directly as a chain connection by plugged one end to the IR-OUT port on Master booster and the other end to IR-IN port on Slave booster. Set the TRIGGER source pin on all other slave boosters to CABLE (The option pin is placed to lower position) except the 1st booster if it will be connected with a gooseneck IR sensor. The same connection will be allowed to add up to 4 sets of boosters in a chain.

Self-Test before Working

It is recommended for you to finish the setup and proceed the Self-Test in evening. Place the booster near to camera and complete the installation. Set the PW Switch on the Booster to TEST mode, then press the BAT-CHECK / TEST button on the adaptor. You will see the Self-Test Light in front will be ON this time. If Self-TEST indicator does not light, it means this booster may be staying at ON or OFF mode. To prove the booster is working well before you will leave, try trigger your camera to take a shot in dark environment (Be sure a scene must be really dark when you try to make a real capturing test. Otherwise, the booster will never be triggered at day time). During the gooseneck sensor or cable is getting a triggering from camera, the Self-Test Light will stay ON depending as long as how long the IR light in the camera is turned ON.

After done above installation procedures, slide the PW switch to OFF. Also, do not forget to check if the Front cabinet is closed completely and the other rest port in booster is still remaining corked by a stopper before left.

Operation On Duty

Since above installation and testing are done, no more adjusting will be required. Slide the PW SW of Booster to ON. In this mode, the Self-LED will never light when the IR LED Array does work during camera is capturing. Now, the booster will always work only at night time synchronized with your scouting camera and only consumes a very low power. So that it will stay in the field for a long time and an estimate life under good quality battery will be able to take more than a few thousand images under normal conditions. Conditions affecting battery life are including usage of the booster in video mode or using product in a cold climate.

Power Status / Battery Replacement

If you notice the Bat-RED light become very dark or even NOT light up while you push the BAT-Check button, that means the status of battery is poor condition. You need to replace a new full set of battery soonest. It is also recommended to fill with new batteries at the beginning of hunting game in winter.

This booster is required with 4 pcs of good quality Alkaline D cell battery installed on the main unit. Do not try to mix-up old and new batteries a time to be used.

Trouble Shooting

1. **There is no Light up from BAT-CHECK LED by pushing the Bat-Check button when PW is either at ON or TEST mode, but it light at OFF only :** It is telling you that battery to be going down when a loading is activated, those batteries might not be last for a long time. You must be ready new battery for replacement soonest.
2. **I can see the Self-Test Indicator does ON during pressing BAT-LOW test under TEST mode, but I find camera always take dark images or videos and the Self-Test Light does not turn ON:** Check if the gooseneck sensor was already away from the IR light source on camera. Most of cases are the IR sensor did not snap properly or falling down from camera to cause the IR sensor was shifted after you left. Therefore, you have to find a way to make it snapping firmly. Another reason might be the current environment still bright that the camera does not need to switch ON the internal IR lights in the transition time to evening from day time.
3. **Seems not too much help even this booster is used:** Investigate for a possible issue if a current angle of booster might not the same as the camera lens. In other case, you try to move the booster near to camera to make them in the same target zone. You have to test in difference angle and location for the best result. Of course you need to prove the batteries are not poor before you try to do further testing. In case a zone is very large and a target will be always far away, you may consider to add one or more black IR boosters to get greater illumination
4. **During Self-Test mode with a cable connection to camera directly, I noticed the Self-Test Light does always ON while a plug is inserted to the IR-IN port:** It indicate that the trigger PIN option is NOT correct. You need to choose the trigger option for "CABLE".
5. **All procedures are fully done and status of Self-Test mode is OK when using a sensor probe, but it seems sensor does not sense:** Check the Mode Option must be selected for SENSOR when sensor probe is used.