WildSpot Black Flash IRX-22B

OPERATION MANUAL (VER.20121013)

Product Description

Thank you for purchasing the **WildSpot Flash** product. This WildSpot Black Flash IRX-22B Infra-Red booster can enhance the quality of night pictures and videos from your invisible black IR trail camera. With the exclusive **Rapid Pulsing Infra-Red Technology**, it will generate high powerful output of IR illumination under 50% less power consumption than any regular technology device to boost up your black IR camera or convert any kind of visible IR night vision camera to be a totally black IR camera. It will be triggered directly from an IR camera which is already equipped with an IR-Ext port that you will find it in our all **WildSpy Camera** series. With a gooseneck IR sensor, it is also ideal for most of experienced users who want to upgrade their ordinary visible IR camera to become a totally black IR camera instantly. This booster is made with water- proof material and suitable for any in/outdoor applications. Two accessory parts are provided for shielding the visible RED Glow from camera and get a way to detect a moment of capturing. After a simply decoration processing, human will not see any visible IR Red Glow and the invisible IR booster will be instead of the IR light source on your camera to work at night. Therefore, it will be compatible to work fine with any other general IR night vision game cameras. This booster is equipped an IR-OUT port to allow you for extending more up to 4 units of boosters in a serial connection in order to get greater than 2~4x illumination.

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. **Belt x1 pc**
4. **Instruction sheet x1 pc**
5. **Shielding Sheet x2 pc**
6. **Sensor Holder x1 pc**

Fig. 1

Preparation

Main Unit:

This model will be compatible for all night vision cameras. It is ideal for users who would like to upgrade their existing visible RED Glow IR camera to be totally invisible IR device. Also it will be the best partner for an invisible camera in order to boost up 2x~4x illumination 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)

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 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 will 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.3

Connection Methods for Difference Devices

1. Work with a Black IR Camera:

Snap the gooseneck stand on a proper place of camera body and adjust the gooseneck sensor head face to the IR light source like (Fig.3) in order to be able for sensing camera shooting. In most of cases, there is no need to use the sensor holder and the shield sheet except you feel that the IR sensor must be more secure on the lens

2. Work with a Visible IR Camera:

In order to upgrade your existing visible RED glow IR camera to be totally black device, you need to use the attached two accessories item 5+6 from the above packing list. Make a hole in a proper position (Reserved with 3 positions on the shielding sheet) and cut a size depend on fitting for your camera IR lens. Then place the

sensor holder through the hole and put the sheet fully over the lens and make sure you will not see any RED light from outside except from the sensor holder. Then, put the gooseneck sensor into the holder. Refer to Fig.4.

3. Work with WildSpy IR Camera:

If you are using any WildSpy Cam Night Vision models and like to upgrade the system to be an invisible camera, an easy way is for you that you can purchase a cable with 2.0mm shaft plug on both ends to connect the camera and booster directly. In this case, the gooseneck adaptor 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 (Place an Option PIN to the LOWER position). Then, you can shut down the internal visible red-glow IR light of camera by a switch which is the built-in option.

Fig.4

4. Work with more Wildspot Black IR Boosters:

In many cases, you might already have a Wildspot Black IR booster and would like to add this booster or more to be a slave to increase more illumination. You can purchase a cable with 2.0mm shaft plug on both ends to connect between the Master booster and the Slave booster directly. Set the TRIGGER source pin on all slave boosters to CABLE (The option pin is placed to lower position), then, plugs one end to the IR-OUT port on Master booster and the other end to IR-IN port on Slave booster. The same connection will be allowed to add up to 4 sets of boosters in a chain. For this application, the gooseneck IR sensor that come with each slave will not be used. Remember to set the mode option PIN for "CABLE" in this application.

Self-Test before Working

Place a booster near 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 is OFF, it means this booster may be set to 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 the scene must be really dark when you try to make a real capturing test. Otherwise, the booster will NOT be triggered at day time). During the 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

Since above installation and testing are done, no more adjusting will be required. Slide the PW SW of Booster to ON. Now, it 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. Pay attention to avoid the Day/Night sensors on the adaptor to be covered and the sensor must face to the IR light on camera directly and as close as it can.

Advanced Usage Setting:

Sometimes, you might wonder about a dark bar which is frequently scrolling trough the video clips. There is a knob called "Video Phase" on inner panel. You can adjust it to make the pulsing frequency to be synchronized as your camera at video mode in order to stop the scrolling bar.

Adjusting Method:

1. Be sure you are in dark environment before making adjustment, turn ON your video camera and switch TFT screen to be ON for taking a video manually with our booster working together.
2. During recording, you may see a black bar scrolling on camera screen and then, adjust the VIDEO PHASE to stop this bar on the screen. Remember the pointer position after done.
3. Always remain this position of the VIDEO PHASE for normal operation on duty. The scrolling bar will disappear.

Power Status / Battery Replacement

If you notice the Bat-RED light become blinking weakly 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 old and new batteries together.

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
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.
4. **Seems not the same brightness for most of pictures and videos comparing with internal visible RED Glow IR light:** You have to check firstly if both boosters and camera are toward for a same target zone. Then, you may consider to add one or more black IR boosters to get greater illumination if a zone is very large and a target will be always far away
5. **Notice a RED light in front always ON while a motion is detected:** You did forget to slide the PW to ON mode when you finish setting. It is staying at Self-Test Mode currently.
6. **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 option is NOT correct. You need to choose the trigger option for "CABLE".
7. **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.
8. **A scroll bar always appear in every night videos. Sometimes scrolls fast sometimes slow:** You need to refer the Advanced Usage Setting of this manual to eliminate a scrolling bar after adjustment.