

WildSpot Flash IRX-20W

OPERATION MANUAL (VER.20120329)

Product Description

Thank you for purchasing the WildSpot Flash product. WildSpot Wireless IR Flash IRX-20W low glow infrared flash booster is a wireless equipment that can help to brighten and improve the quality of trail camera photos and videos by increasing the flash illumination at night without cable connection. It is including two parts with a light unit and a transmitter located up to 30 feet apart in the field. This booster will be compatible for all IR Camera series in the market. It is equipped with an external 6V DC power port and IR trigger port to expend with more lower cost wired IR boosters (Fig. 1). One more option that allow you to convert all model of night vision WildSpy Cam series to be a very low glow IR camera.

Kit List

This kit package are including the accessory parts as below:

1. Main Unit x1 set
2. Transmitter x1 set
3. Cable x1 pcs
4. Belt x1 pcs
4. Instruction sheet x1 pcs

Preparation

The power is required 4 pcs good quality D cell Alkaline batteries for the best result. Do not try to mix old and new batteries together. After installing batteries into the compartment according to the polarity mold on the cabinet, push the **BAT-Check** button once and see if an instant very low RED-GLOW will be viewed in a dark place in order to prove the booster is working correctly. (Fig. 2)

The code switch setting is the factory default and there is a code no stuck on the inner panel. This code will be matched with transmitter code normally. Do not try to change the default until you will be familiar to use the system.

The booster is mounted on a tree with the attached belt as the installation method shown below. If you will use it for indoor security application, it is also available to be upside down



mounted on a ceiling with a popular mounting accessory. But this upside down installation method will not be applied for OUT-DOOR used.

For all of general night vision scouting camera, it is recommended to install the

camera and booster apart not more than 50 feet, then, just snap the transmitter (Fig.3) on belt and place it near to the side of more closely to the IR light window of camera. Then adjust the IR gooseneck sensor head face to the IR light source which they are in opposite direction in order to be able for sensing camera shooting.

If you are using the WildSpy Cam Night Vision model, you can either to select the sensing method with IR light illumination or direct trigger with an attached cable. See the next chapter for the **Advanced Usage** application.

Distance Test

Set the PW Switch on the Booster to TEST firstly, then press the TEST button on the transmitter. You will see the TESTING Indicator on booster as well as the ACTIVE LED will light up at a same time. If the TEST indicator on booster is

blinking, it means it may be set too far away from the transmitter and recommended to move back for closely to the camera. If there is no any response, you have to check the Power SW and Battery installation as well as the code setting, or you may need to move the booster near to camera.

After installation procedures, do not forget to check if the door is closed completely and the other rest port is still remaining corked by a stopper before left.

Operation

Since above installation is 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 can stay in the field for a long time and the average life of good quality battery will be able for taking more than a few thousand images under normal conditions. Conditions affecting battery life are including usage of the

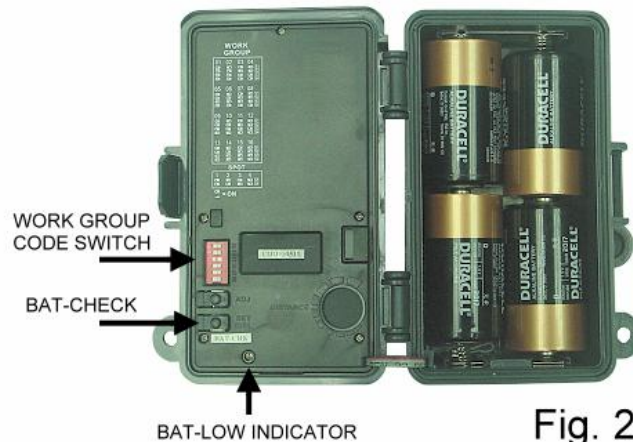


Fig. 2

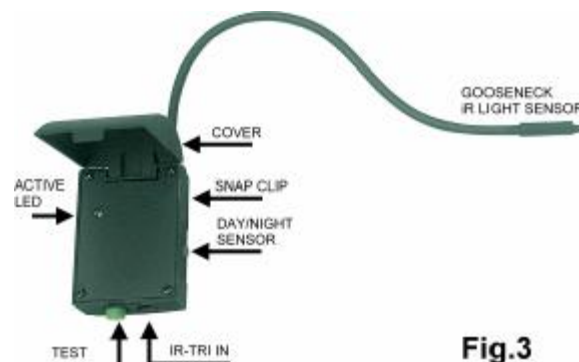


Fig.3

booster in video mode or using product in a cold climate.

Advanced Usage

1. Change for New Work Group

If you would like to add more wireless boosters to work at a time to get more illumination, you can change unlimited IRX-20W boosters with a same code under one transmitter. It is just simply to change the WORK GROUP code switch knob according to the printing table on the inner panel of booster. Then allocate all boosters in right position and repeat a same test as above.

Caution: The preset code of transmitter is fixed and will not be changed by user.

2. Work with Wired Booster

This booster is equipped with an EXT-IR port which allow to extend with more wired IR booster series like IRX-800; IRX-810. Connect the cable to this port and the wired booster will work synchronously. You can also connect a chain of wired boosters up to 4 sets of wired booster above as you like. It is easily to plug one end of the 2nd cable from next extender flash to the rest port of the previous booster.

3. IR Trigger through a Cable

If you are using any WildSpy Cam Night Vision series with 850nm IR length wave, you can turn OFF the internal IR light on Camera and illuminate the target by IRX-20W-900 in order to reduce the RED-GLOW. With this purpose, plug the cable into the EXT-IR port on the camera, the other end is plugged into the IR-IN on the transmitter. Since a cable is used, the gooseneck sensor does not function in this application. Now your night vision camera does upgrade to an almost invisible system. For this application, it is highly to recommend to set 2 or 3 main units of IRX-20W-900 working together under a single transmitter depending on your illumination range expected.

Power Status

If you notice the Bat-Low RED light up which on the lower left of the inner panel of the main unit while you push the BAT-Check button, that means the status of battery is at low condition. You need to replace a new set of battery soonest. It is recommended to fill with new batteries at the beginning of winter.

The booster is allowed to be powered by a 6V DC /1A of external power pack. The shaft diameter of the plug must be 2.5mm.

There is an ACTIVE LED in transmitter and you will see it remaining ON if the TEST button is pressed. It means a test event signal being sending. In case you find this light does not function already, you may consider the battery become bad and it is recommended to replace with a new battery (Battery Type : 23A 12V).

Battery Replacement

4 batteries installed on the main unit are required to use good quality Alkaline D cell battery. The power in the transmitter is using a single Alkaline 23A 12V battery. You just remove 4 screws on the panel after opening the cover. Then replace the battery by a new one and. Remember to re-test the status of the transmission after done the replacement.

Trouble Shooting

1. **There is no Red Glow viewed when pushing the Bat-Check button:** Need to check the polarity of battery to be put in correctly. Then check either one battery might be very poor or dead. But some people may very difficult to see a RED-Glow if the length wave is longer than 900nm
2. **Can not find a port named with Ext-IR Booster on the current scouting camera:** Most of third party brand camera are not equipped with the Ext-IR port and could not be switched OFF the internal IR light in the camera. Therefore, you have only one choice to adjust the IR light sensor to the camera IR light for synchronize operation. You can consider to buy any model of Wildspy night vision series to get more options and better image quality.
3. **Seems not too much help even this booster is used:** Investigate if a current angle might not the same as the camera lens. In other case, you try to move the booster near to camera or the 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.

Important Note:

Please consult your dealer if you have any technical questions or problem while you use the product before you request to send back for repairing. Most of problem issues may easily be solved with help from the telephone support.