

Spy On A Bird™

Solar Powered Wireless Camera



www.SpyOnABird.com

Solar Powered Wireless Camera Instructions

What's in the Box

2.4 GHz wireless camera

Indoors power adaptor for receiver

A/V cables

Receiver for camera



Solar Power Kit

Solar Panel

Terminal Block

12V 7Ah SLA Battery

Custom Accessory Box



Setting up your Wireless Camera

1. Mount camera in a desirable location. Remember to keep the camera less than 100 feet from the receiver or the signal may be diminished.
2. Plug A/V cable from the receiver to the A/V input of the TV or VCR. Select the proper input channel of your TV or VCR. (Refer to manual)
3. Plug indoor power adaptor into receiver.

Setting up the Solar Power Kit

1. Mount the Solar Panel in an area where it will receive the most direct sunlight. Usually the best location for the solar panel is a south-facing direction. Solar panels should be tilted for optimum performance. A tilt angle (relative to the ground) of 45° is adequate for most US locations. See Figure below
2. Plug cable from solar panel to cable from terminal block
3. Place the Battery in the accessory box
4. Attach the leads from the terminal block to the battery.
Blue = “-“
Red = “+”
5. Plug the camera power cord from the Terminal Block to the camera.



Important Solar Power Technical Information

Solar panels are only able to generate electricity during the daylight hours. This means that for at least half of each day, the solar panel is not producing energy for the camera. Excess energy generated during the day is stored in the battery. This enables the camera to be used on cloudy days and at night.

The solar panel must have a clear “view” of the sun for most or all of the day - unobstructed by trees, roof gables, chimneys, buildings, and other features of your home and the surrounding landscape. Some potential sites for your solar system may be bright and sunny during certain times of the day, but shaded during other times. Such shading may substantially reduce the amount of electricity that your system will produce and the amount stored in the battery. The battery should give you 2-3 days of power without sun. If you consistently experience too many cloudy days in a row and the camera is going out, you will want a larger size battery. The ultimate would be a car battery.

After the nesting season it is recommended to unplug the camera and let the sun fully charge the battery for 1 or 2 days. Then store the battery indoors till next nesting season. For more information on setting up your solar system, please contact us at 1-800-606-6428.

General Technical Considerations:

If the focus needs to be adjusted, unscrew the camera housing, remove the large black ring. With your fingers or needle nose pliers, turn the lens, CCW for close objects and CW for farther objects. Replace the black ring before you screw on the housing.

The camera is weather resistant, but if direct rain soaking occurs, some condensation will collect on the inside glass. Also, if the camera has not been used for some time, you may notice “fogging” of the lens. This usually clears after a few minutes of use.

The microphone is very sensitive. You may have to turn the volume down on your TV to hear properly.

The picture will be in full color in sunlight. On cloudy days, low light or sometimes indoors; the picture will be low color to black & white. This is due to the Infra Red LEDs automatically turning on during low or no light conditions.

The camera may turn off automatically if the battery is under-charged (below 8V).

Certain electronics may interfere with the camera reception; such as cordless telephones and wireless internet routers.






Microwave ovens may interfere with the signal while in use.

Your neighbors' microwave oven, cordless telephone and wireless router may also interfere with your camera reception.

Sometimes, small adjustments in the location of the camera or the receiver can improve the reception.

Temporary interference will occur if the wireless signal is obstructed, such as by moving the receiver or walking through the signal path.

Optional Accessories

12 ft power extension cable	 A black power extension cable with a standard three-prong AC power plug on one end and a two-prong AC power plug on the other.
25 ft A/V cable	 A black A/V cable, coiled, with red, white, and yellow RCA connectors on one end and a black audio connector on the other.
Video Adaptor	 A yellow EasyCAP video adaptor device with a USB connector, a video input, and a video output.
Long range antenna	 A long range antenna with a black base and a long, thin, vertical antenna element.
100 ft AC power adapter	 A green AC power adapter with a white power plug and a black power cord, coiled.

For more information on these accessories and other products, please visit our website. www.SpyOnABird.com

Warranty

Every unit is tested and is guaranteed to work right from the box. Within the first 7 days, if you are not satisfied for any reason, please call us at 1-800-606-6428 and we will assist you in returning the items and issue a refund for the purchase price. Customer pays return shipping.

All electronics also comes with a 12-month warranty from the purchase date. Please retain your original invoice. Damage related to normal wear and tear is excluded from this guarantee. Sorry – squirrel damage is not covered under our policy.

Disclaimer

Please obey all local laws and ordinance when operating these products. These products are prohibited from illegal activities. Our company shall not be responsible for any consequences of illegal conduct by the user

Spy on a Bird LLC
12201 N. NC Hwy 150
Suite 22 PMB 244
Winston Salem, NC 27127
1-800-606-6428

www.spyonabird.com • info@spyonabird.com