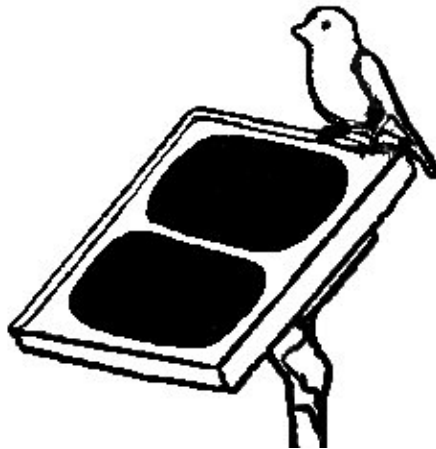


Spy On A Bird™

Solar Powered Birdhouse with Wireless IP Camera



Instructions

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

Solar Powered Birdhouse with Wireless IP Camera instructions

What's in the Boxes

Birdhouse in your choice of material and color

Wireless IP Camera premounted in the birdhouse

Solar Power Kit

20W Solar Panel

Terminal Block (mounted)

Voltage Regulator (mounted)

12V 17Ah SLA Battery

Custom Accessory Box

Standard Ethernet Cable

AC power adaptor

IP Camera Quick Guide

IP Camera Installation CD (user manual is included on the CD)

Setting up your IP Camera

1. Before mounting the birdhouse, power up the IP Camera with the AC power adaptor.
2. Remove dummy plug (fig.1) and attach supplied Ethernet cable from camera to the router.
3. Follow the instructions in the Quick Guide manual.

Figure 1



Note: Camera may also be used directly connected to a laptop/desktop. For this, a “crossover” cable is required. These may be purchased either through Spy On A Bird or your local electronics store.

Setting up your Birdhouse

Mount birdhouse in a desirable location. Remember to keep the birdhouse less than 200 feet from the router.

During low light conditions, the IR LED's will automatically turn on resulting in a black & white display.

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 2.
2. Plug the power cord from the solar panel to the corresponding plug from the accessory box.
3. Attach negative lead of battery (Blue/Black = “-“) to solar regulator. See Figure 3.
4. Install fuse and connect fuse holder.
5. Plug the camera power cord from the accessory box to the camera.



Figure 2



Figure 3

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.

Technical Considerations:

The camera may turn off automatically if the battery is under-charged (below 11V). If this happens, unplug the camera and let the solar panels recharge the battery.

To remove IP Camera from Birdhouse

- Remove screw and lift the lid of the birdhouse.

- Unplug power cable to the camera.

- Unscrew camera counterclockwise until released.

This camera can also be used “wired”. The plug is covered to prevent spiders from entering the camera. Remove the dummy plug for wired operation.

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. In addition, all plastic lumber birdhouses and birdfeeders carry a lifetime warranty. 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