



## Wildlife Control Supplies, LLC

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## How Eagle Eye Works

The Eagle Eye's reflective pyramid rotates via an electric motor, sending the beams around in a menacing pattern. The light spectrum reflected back by the Eagle Eye disorients birds in flight by limiting their vision significantly. This causes the bird to deviate in flight and fly to another destination.

### Powering the Unit

The system works off 12-volt electricity from a battery or from a converter plugged into an 110VAC outlet. It can also be powered directly from a Solar Panel making it adaptable for different locations. 12-volt batteries that are charged by solar collectors can run the unit during the night. A wide variety of brackets and lights are available to mount to any surface.

### Coverage

The Eagle Eye reflects sunlight back in the direction of the sun, leaving an unprotected area behind the unit. This changes during the day as the sun moves from East to West. Buildings, trees and other obstacles can create shadows as well. To overcome this, multiple units may be used. Additionally, halogen lamps may need to be mounted above the unit to mimic sunlight.

### What to Expect

The Eagle-Eye can be expected to deter a high-percentage of resident birds (fewer if the pressure is heavy); in these cases it should be reinforced with population dispersal, site cleanup, mechanical deterrents and/or fogging. The units may require cleaning and other service so a maintenance contract should be contemplated. Some reflections could irritate people in nearby buildings, deflectors can be installed to reduce the issue.

## Installation Instructions

The Eagle Eye should be installed on a solid surface with clear line of sight access over the area to be treated. Please refer to the Eagle Eye Placement Guide for instructions on the best places for installation.

1. Locate a 110vac dry indoor power source for the 12vdc power source.

- Alternatively
  - Place the 12vdc power supply unit in a weatherproof enclosure (see optional accessories below)

2. Strip the cut ends of power supply and attach two male crimps to the ends.

3. When ready to power unit, plug power supply into 110vac power

- Alternatively
  - use the Solar Panel power option to avoid 110vac power requirement.

4. Locate lead wire from power supply to Eagle Eye installation position.

- The lead wire can be
  - buried in planter boxes
  - attached to the building with lead wire guides.
- b. Strip both ends and attach female crimps connectors to the ends.

5. Connect the power supply wire to the lead out wire via the crimp connectors

6. Decide on the orientation of your Eagle Eye

- Review the Placement guide for assistance in determining the orientation of the brackets.

7. Thread remaining end of the lead-out wire through each of the support pieces until it protrudes from the last 3-inch tube joining piece that will attach to the Eagle Eye.

8. Crimp male connectors to the wire protruding from the Eagle Eye.

9. Starting at the Eagle Eye unit and the first mounting tube.

- Draw the lead wire through the tubing connections until all of the support tubes are very near each other.
- Using the drill motor, magnetic nut setter and small self tapping screws join the support tubes together by setting screws at 90 degree intervals.
- Work your way to the last tubing join.



1. Eagle Eye
2. 110vac to 12vdc power supply
3. Low-voltage lead out wire, 25 ft.
4. Crimp connectors
5. Surface mounting bracket
6. 10 in. support tube
7. 16 in. support tube
8. 90° support tube
9. Interconnection tube
10. Self-tapping joining screws

## Proper Positioning

The following information is vital for the correct positioning of the Eagle-Eye on **buildings**.

The installation must always be seen as a complete system. One unit may not be able to do the job on it's own.

1. The longer the system is in place, the more effective it becomes.
2. In situations where the birds are fed, they will still come in to feed, but they will leave the area after they have eaten.
3. Always remove all the nests from the area.
4. Make sure you understand the client's problem. (Identify the problem areas.)
5. Use a good compass to see exactly how the sun moves over the building.
6. Keep in mind that the sun moves on the Southern side of center; so always place the units to catch maximum sunlight.
7. Always start on the highest point of the area you want to protect.
8. The Eagle Eye bird scarer only works downward and in line of sight.
9. Try to place them 1 ft above the area you want to start protecting.
10. One unit can protect approximately 30 feet downward and 150 feet sideways in both directions.
11. The birds will always try to come in from an unprotected side.
12. Be sensitive for windows or other areas where the beams may cause irritation to people. Use some sort of a screen if necessary. Mirrors can be used as screens and will make the units more effective.
13. Use corner brackets to utilize the Eagle Eye in more than one direction.
14. In shady areas, always install a 500-watt Halogen light above the unit.
15. Place the light at an angle for better coverage where applicable.
16. Units placed inside buildings with lights on are not as effective as units placed in direct sunlight. Therefore, more units will be needed inside buildings than outside.
17. It is always better to install more units than necessary. (Rather overkill and make sure that the system works.)
18. Finally, always remember to tell your client that we do not claim to get rid of 100% of the birds. Some birds may still come and sit right next to the Eagle Eye, but 80% or more of the birds will leave the area.