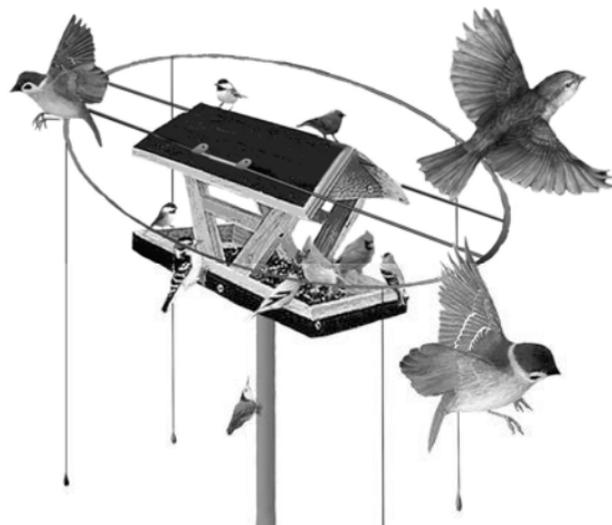


INSTRUCTION MANUAL

Sparrow-Free Magic Halo



**Keep sparrows away from
your birdfeeder**



Bird-X, Inc. is the world's leading bird control specialist and supplier of unique, effective and ecologically safe bird repelling products. We have utilized the latest in patented technology and materials to develop **Sparrow-Free Magic Halo.**

The product is a hoop device consisting of a series of wires attached to the top of a birdhouse or feeder, extending beyond its extremities, under which all birds intending to use the feeder must pass. Studies have shown that certain bird species, including house sparrows, will not fly under elongated wires.

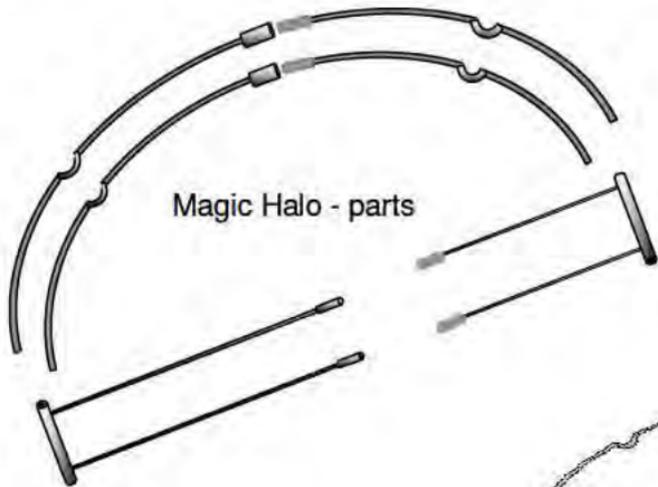
Magic Halo was developed after decades of research into risk aversion and foraging habits of birds by Dr. R.J. Johnson at the University of Nebraska, Lincoln. Dr. Johnson is a professor of Wildlife Biology and Extension Wildlife Specialist in the School of Natural Resources at UNL.

Sparrow-Free Magic Halo's unique properties exclude messy, greedy, aggressive sparrows from your feeder WITHOUT discouraging other birds! This has several benefits to your feeding program. It will virtually eliminate visits by house sparrows, and significantly reduce visits by blue jays and common grackles, without affecting visits by other, desirable birds. With ugly, messy, invasive pest birds out of the way, desirable native birds have

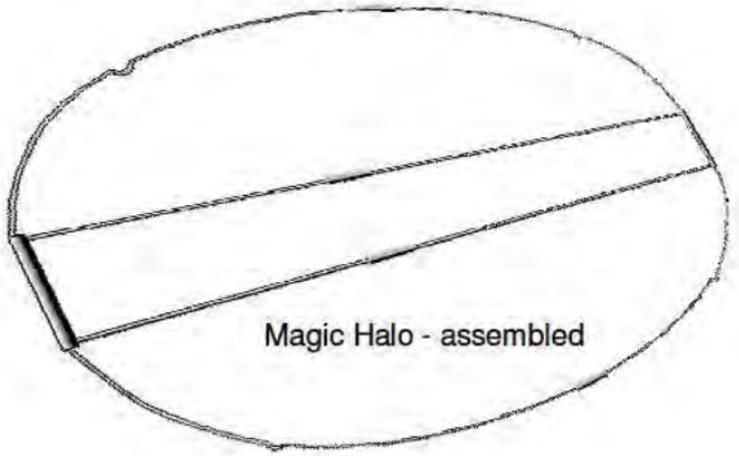
- **better access to, and less competition at, your feeder**
- **more food (and none of it gets wasted on pests)**
- **more time for predator scanning**

— resulting in a larger, more colorful and beautiful selection of birds at your feeder. In fact, the halo and hanging monofilaments even acts as a haven for such species as finches, chickadees and others.

Sparrow-Free Magic Halo is effective on all feeders: hanging, tube, stationary (pole-mounted) or hopper



Magic Halo - parts



Magic Halo - assembled

Assembly

You will find:

- 4 curved sections
- 2 'U' sections

All connecting parts are color-coded for your convenience.

Lay out the parts as shown in the diagram.

Locate the small 'dip' in each curved section and ensure that all face the same way (down).

Connect the two 'U' sections to one another (yellow joints). The finished piece will form an elongated rectangle.

Form two semicircles from the four curved sections, as follows. Each curved section has one plain (red) end, and either a socket or a flattened tip at the other (blue) end. Connect each flattened (blue) end with its corresponding blue

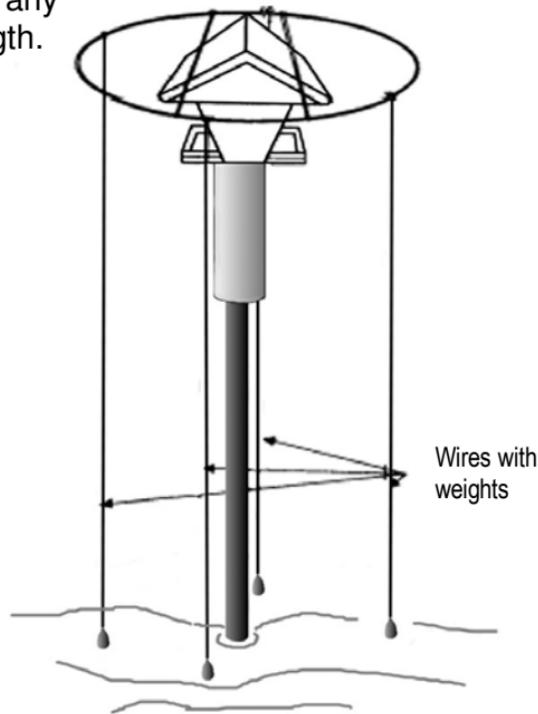
socket on the other curved section.

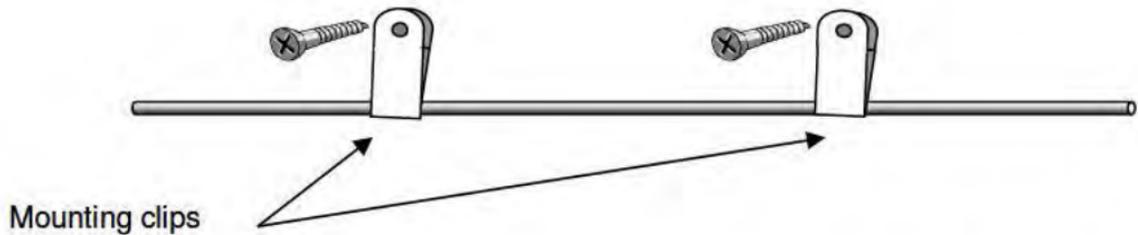
Complete the circle by inserting the remaining (red) ends of each half-circle into the red sockets at each corner of the rectangle, making sure that all four dips in the circle-rim face downward.

The Magic Halo may be used alone, or for maximum sparrow repellency, in combination with the hanging wires (included). If the wires are desired, continue assembly as follows:

Tie the four thin extension wires to the circle at the dips. Tie the other end of each wire to the eyelet at the top of a weight, adjusting the length of the wire so that the weight rests

on or close to the ground. Clip off any excess wire length.





Stationary (Pole) Feeder Mount

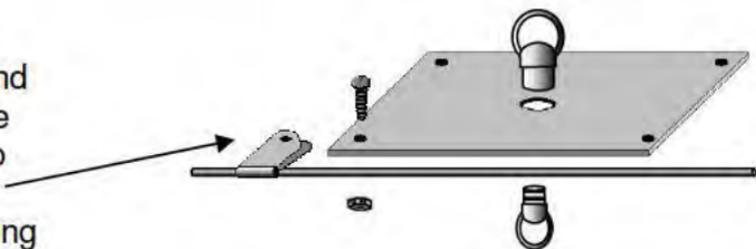
Push two screw clips (shown) onto each crossbar.

Insert the four large screws through the four metal clips, and attach to the birdfeeder roof (the crossbars will be resting on the roof).

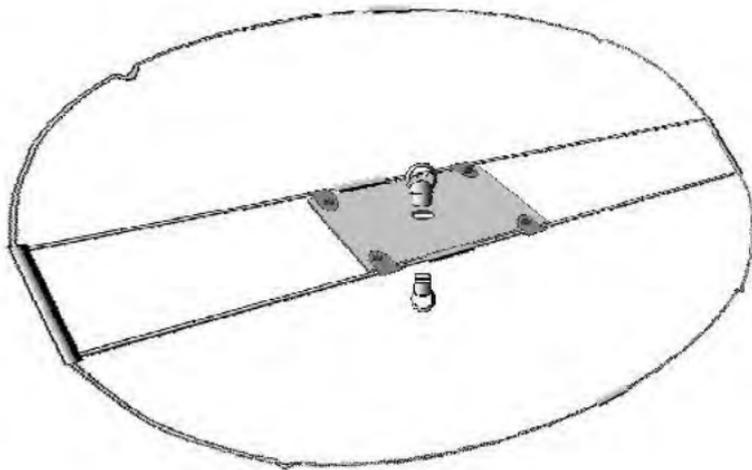
Discard the mounting plate, the four small screws with nuts and the two metal rings.

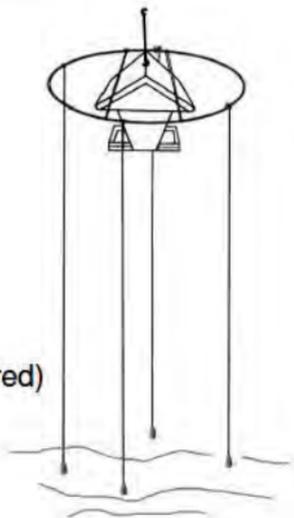
Hanging Feeder Mount

Using the four small screws and the four metal clips, secure the crossbars of the Magic Halo to the metal plate via the small screw-holes in each corner (long side parallel to the cross bars) and secure with the four small nuts.



Insert the ring with the thinner base through the center hole in the plate, and screw the other ring on from the opposite side. Hang the Magic Halo from a hook (not included) through the top ring; hang the feeder with another hook (not included) from the bottom ring. Adjust the feeder and the Magic Halo until they are level.





(Add wires if desired)

ATTRACTING BIRDS TO YOUR FEEDER

Different birds will be attracted by different types of food. For the greatest variety of beautiful wild bird species at your feeding station, be sure to supply food of varying kinds. High quality seed including sunflower, millet and safflower will draw many bird species. Peanuts are loved by woodpeckers, nuthatches, cardinals and others. More specialized offerings include

Thistle (nyjer) to attract finches, especially goldfinches – and suet, a favorite of woodpeckers and nuthatches. Insect-eating species are attracted and nourished by feeding mealworms, waxworms or caterpillars. Some species, such as orioles and hummingbirds, visit fruit or specialty nectar feeders. Many areas experience changing

bird populations as the seasons come and go. Look out for unusual and beautiful migrants in spring and fall!

Consult your local specialty bird store or catalog for more information on bird species and the foods they prefer. Your efforts will be well repaid by a greater variety of bird visitors and more exciting viewing!

Birds prefer to visit yards which offer them all the essentials for survival: food, water and cover. Trees, bushes, shrubs or hedges close to your feeding station will entice shy birds closer, providing a 'staging area' and helping them to feel safe. Brushy areas and nestboxes *situated away from the feeding station* will encourage nesting.

Using commercially available squirrel baffles also saves more seed for your bird visitors.

For human and bird health, keep your feeding stations clean and replace water regularly.

In University tests, the Magic Halo alone (without wires) repelled 95% of house sparrows from feeding stations. The Halo also discouraged feeding by grackles and

bluejays. The addition of the hanging wires increased the repellency to 99%.

A few species, including cardinals, will happily feed under the Halo but may prefer a feeding station without the added pendant wires.

Keeping away the sparrows means more food and less competition for all the other birds in your garden.

House Sparrow History

The English Sparrow, commonly referred to as the House Sparrow, is a species introduced into the United States in the late 1800's and is now well-established throughout North America. Brought over to this continent from England, this non-native bird is not actually a sparrow but a Weaver Finch, a sub-species of the more familiar Finch family.

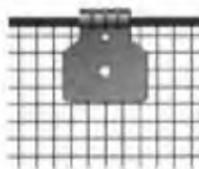
The English Sparrow is non-protected not only because of the non-native origin, but more because it is a cavity nester and vigorously competes with our native birds. One example is the demise of the Bluebird population. The destruction of habitat has fueled competition for cavities and all too often the more aggressive English Sparrow is the victor.

They overpower feeders intended for more desirable native birds. Goldfinches, for example, will steer clear of feeders that are flocked by the English Sparrows. The presence of other small native birds seems to dwindle with the increased presence of English Sparrows. Furthermore, large flocks can consume large quantities of feed in a short period of time.

Our *native* sparrows, on the other hand, are wonderful visitors, as they feed strictly on the ground, not at elevated feeders.

Keep messy, unwanted pest birds and animals from other areas of your property, like rooftops, trees, gardens, air conditioners, windowsills and more — look at our full line of bird and animal products:

- **SPIKES Needle Strips:** Plastic or stainless steel strips of spikes make it impossible for squirrels to climb, or for birds to roost. A permanent exclusion for windowsills, roofs, air conditioners and more.
- **TX Mole electronic repeller** keep moles and gophers from destroying your lawn.
- **Nature's Defense Organic Pest Repeller** keeps pest critters out of your garden.
- **BirdNet** seals access points where you don't want birds or other creatures to go.



ANOTHER PRODUCT FOR BIRDING

Songbird MAGNET to attract Purple Martins, Eastern Bluebirds, Baltimore Orioles, House Wrens, Ruby-Throated Hummingbirds, Common Goldfinches and Indigo Buntings. This cord-free portable electronic unit reproduces the beautiful songs of those hard-to-attract birds and plays them at their naturally-occurring sound levels and intervals.

SPECIFICATIONS

Contents: 6 metal sections (2 U-shaped, 4 curved)
 4 metal clips
 4 thin extension wires
 4 weights
 1 mounting plate, 4 small screws, 2 metal rings & 4 small nuts
 for mounting to hanging bird feeder
 4 large screws for mounting to stationary bird feeder

Patent #5,295,455

Diameter, assembled: 30"

Weight: 2 pounds

Material: All 6 sections of the Halo itself are zinc plated, powder-coated steel.



Bird X-Perts since 1964



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