



To place an order for additional WhirlyBird Repeller units, please contact us at www.whirlybirdrepeller.com. For further technical assistance and information on volume discounts, please call us at 1-800-377-1103.

Thank you for purchasing the WhirlyBird Repeller - the simple, safe and effective way to repel birds from docks, boats, navigational aids, bridges, communication and electric transmission towers, lighthouses, vineyards, fruit, vegetable and grain farms, fish ponds, airports and other areas where bird roosting, droppings and foraging can be a problem. It does not harm birds, is virtually maintenance-free and ecologically friendly by using wind energy and sunlight. Assembly and installation is easy as 1-2-3.

WhirlyBird Repeller - Parts Enclosed

- (1) WhirlyBird Repeller unit with 10" length 3/4" diameter PVC pole (pre-assembled)
- 3/4" PVC center coupling
- 10" length 3/4" diameter PVC pipe extension
- 3/4" PVC female threaded connector
- 3/4" PVC male threaded connector
- Starboard Mounting Base
- (4) 1 1/2" stainless steel screws (phillips head)

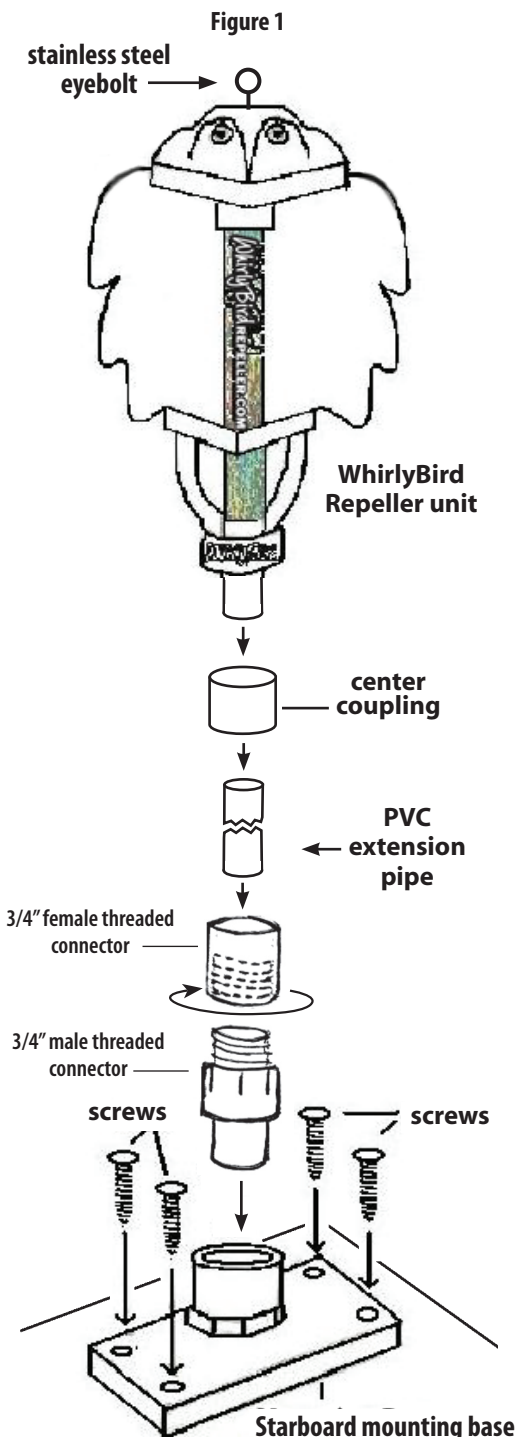
INSTALLATION INSTRUCTIONS

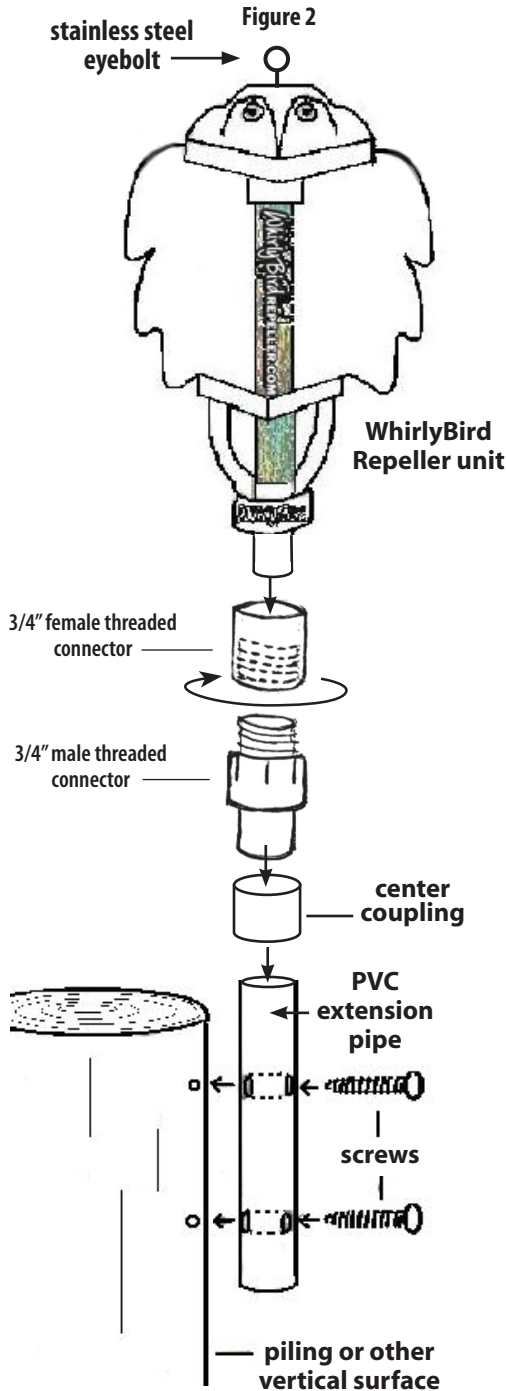
The WhirlyBird Repeller should be mounted in open areas where birds are a problem. Each unit effectively repels birds away from a 12' x 12' area. The WhirlyBird Repeller can be mounted from above and on horizontal and vertical surfaces using a variety of methods. Please go to www.whirlybirdrepeller.com for other mounting methods and ideas. For best results, the WhirlyBird Repeller should be mounted plumb, i.e., in a 90-degree vertical position. The Whirlybird Repeller also works best when mounted well above the area where birds are perching/roosting. We generally recommend mounting the WhirlyBirds 6-8 feet above the surface you wish to protect. Because of the differences in bird habitats and behavior, you may need to experiment with the numbers, locations, and heights of the WhirlyBirds used. **IMPORTANT: We strongly recommend gluing the PVC pipe and coupling sections together with PVC cement to prevent them from wiggling loose in high winds. When gluing and attaching the PVC pipe and coupling sections, never put direct pressure on the plastic surface of the WhirlyBird Repeller unit. Instead, use the stainless steel eye bolt to brace the unit. This can be accomplished by bracing the eye bolt against a solid horizontal surface and pushing down on the pipe and coupling sections. Although the WhirlyBird Repeller has been successfully tested to withstand high winds, we recommend removal prior to severe weather conditions. Threaded connectors are included to allow for easy removal or replacement of the WhirlyBird.**

Mounting on HORIZONTAL Surfaces

1. Position mounting base on a secure, flat horizontal wooden surface and mark holes on horizontal surface to match the holes on the mounting base. Pre-drill 3/16" diameter starter holes in the wooden surface. [See Figure 1]
2. Secure mounting base by inserting and tightening stainless steel screws through base and wooden surface.
3. Cement the WhirlyBird Repeller pipe and PVC extension pipe to the PVC center coupling. Cement 3/4" PVC male threaded connector pipe to the Starboard Base Connector. Cement 3/4" PVC female threaded connector to bottom of PVC extension pipe. (**IMPORTANT: Do not glue threads!**) Hand tighten the threaded connectors by turning clockwise.

(Note: The WhirlyBird Repeller can be mounted on flat horizontal metal surfaces by pre-drilling holes in the metal surface and substituting appropriate sized bolts, washers and nuts to secure. The WhirlyBird Repeller can also be mounted on metal grating by substituting appropriate sized bolts and nuts and by using appropriate sized backing washers or a pre-drilled backing plate. The WhirlyBird Repeller can be mounted to cement surfaces by gluing mounting base using an appropriate epoxy or adhesive material.)





Mounting on VERTICAL Surfaces

The WhirlyBird can also be mounted to the sides of wooden posts and pilings as follows:

1. Pre-drill 1/4" holes approximately 2" from the bottom of the PVC extension pipe and 4" above the first hole. It is IMPORTANT to center both holes in line with the middle of the PVC extension pipe.
2. Position PVC extension pipe on vertical surface so the end will clear the top of the surface by at least 2 inches. Pre-drill 3/16" starter hole in vertical surface and secure stainless steel screw through lower hole of PVC extension pipe. Position pipe to the 90-degree vertical position. Pre-drill 3/16" starter hole and secure stainless steel screw through upper hole. [See Figure 2]
3. Cement center coupling to top of PVC Extension Pipe. Cement 3/4" PVC male threaded connector pipe to the top of the center coupling. Cement 3/4" PVC female threaded connector pipe to WhirlyBird Repeller pipe. **(IMPORTANT: Do not glue threads!)** Hand tighten the threaded connectors by turning clockwise.

(Note: The PVC extension pipe can also be secured to vertical posts or pilings using two or more 3/4" galvanized or plastic pipe brackets, or with three or more UV resistant locking straps – brackets and straps not included)

Adjusting the height of the WhirlyBird Repeller

As discussed above, we generally recommend mounting the WhirlyBirds 6-8 feet above the surface you wish to protect. If a pre-existing structure is not available to reach this height (such as a dock piling), a vertically mounted 4" x 4" post or PVC pipe can be used. Since longer sections of 3/4" PVC pipe have a tendency to bend, we recommend for sections exceeding 24" that you use a larger diameter PVC pipe (1" or 1 1/4"), and connect the WhirlyBird on the top end using an appropriate 3/4" PVC reducer.

Mounting from Above

The WhirlyBird Repeller comes preassembled with a stainless steel eye bolt for mounting from above, such as from ceilings, beams, eaves, sailboat halyards and stays, biminis, tree branches, etc.

Mounting to Standard Marine Antenna Mounts

Standard antenna mounts sold in most marine supply stores are available for many situations, such as mounting to vertical and horizontal railings, flat surfaces and fishing rod holders. The enclosed 3/4" PVC female threaded connector will fit most marine antenna mounts. **(IMPORTANT - For antenna mounts with a slotted thread, vibration may allow the WhirlyBird pipe to loosen itself free. For antenna mounts with slotted threads, it may be necessary to drill a hole in the 3/4" PVC female threaded connector and place a cotter pin through the hole and between the slot in order to lock the WhirlyBird pipe in place)**

WhirlyBird is virtually maintenance-free, but there are things you can do to extend its life and effectiveness over time. If birds are a problem only during certain times of the year, remove and store your WhirlyBird during times when birds are not a problem. Depending on the use and location, dirt and grime may form on the clear plastic surface and around the teflon bushing, which can diminish the WhirlyBird's reflectiveness and place unnecessary wear on the teflon bushing. Therefore, we recommend periodic inspection of your WhirlyBird, and if you find that a film of dirt and grime has deposited, gently rinse the WhirlyBird's plastic surfaces and teflon bushing using mild soap and water.

CAUTION:

Contact with WhirlyBird Repeller while spinning could result in bodily injury.

Do not mount in location on decking or from above that could cause a tripping hazard, or otherwise result in bodily contact.

WhirlyBird Solutions, LLC
U.S. Patent 6,557,482.
Other patents pending.



PROUDLY MADE IN THE USA