User's Manual
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Overview

Bird Gard utilizes the natural survival instincts of birds to effectively repel them. Digital recordings of distressed and alarmed birds, along with the sounds made by their natural predators are broadcast through high fidelity weather-resistant speakers. This triggers a primal fear and flee response. Pest birds soon relocate to where they can feed without feeling threatened.

Your Bird Gard Super Pro system consists of:

4-Speaker Box broadcasts the bird sounds

Solar Panel (Optional) recharges the 12-volt Deep Cycle Battery

Control Unit produces the bird sounds and contains all operational controls

Items needed but not included:

(1) Mounting Pole or Mast tall enough to raise the 4-Speaker Box 5 - 10 feet above the top of the crops, trees or other obstructions.

(1) 12-volt Deep Cycle Battery (RV/Marine) Group 27, 100 amp/hr minimum

(1) T-Post (Optional) may be needed to support the mounting pole.

(1) Hose Clamps or Zip-Ties (Optional) may be needed to secure the Mounting Pole to the T-Post
An active bird control management program is key to successfully repelling pest birds. Bird feeding patterns may take several days or weeks to disrupt. Follow all recommendations for maximum effectiveness. Read all instructions prior to installation.

**For best results:**

- **It is extremely important to fully protect the entire crop.** Any areas not fully protected will allow birds to feed at the fringes of the sound coverage. They will soon become bolder as they learn the sounds are nothing to fear. This will cause the effectiveness to diminish. Complete Bird Gard coverage forces birds to abandon the entire protected area.

- Install the Bird Gard unit at least two weeks before birds are attracted to your crop as it is much easier to keep birds away before they have found a food source than it is to repel them once they have developed a feeding pattern.

- Most birds begin feeding from the perimeter of a crop. Place Bird Gard units so the sound protection covers beyond the edges of the crop.

- Birds will often gather in tall trees and use them for roosting and observation. If birds are in bordering trees it is important to position the units so the sound protection fully covers the trees as well.

- Mount the 4-Speaker Box 5 - 10 feet above trees, crops and structures for maximum coverage. Sound will disperse or reflect off structures or foliage. Mount control unit below the solar panel and out of direct sunlight, if possible. The solar panel must face south without being shaded by foliage or other obstructions.

- Your Bird Gard units should be set to FULL volume and on SHORT time-off interval for maximum effectiveness. Lowering the volume or changing the time off period will greatly reduce the effectiveness.

- Watch for changes in bird activity and adjust the location of your Bird Gard units if necessary.

- Check the battery and unit settings periodically to insure continuous bird control. Be certain that the system is not turned down or OFF, or has a dead battery during crucial times.

- If bird species appear in the protected area that are not included on the Sound Card, the Sound Card will need to be updated to repel the new invading birds.

- Your Bird Gard system is a management tool, and should be used as part of your overall bird control strategy, sometimes in conjunction with other bird control techniques and devices.

Be aware that under drought or other extreme conditions, birds will disregard all deterrents and risks in order to survive.

If you have any questions about the use or operation of this product call us toll free at 888-332-2328 Monday - Friday 7:30 am-4:00 pm Pacific Time. Outside the U.S. and Canada call 541-549-0205
## Materials List

<table>
<thead>
<tr>
<th>Item</th>
<th>Qty</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bird Gard Super Pro Control Box</td>
<td>1</td>
</tr>
<tr>
<td>Bird Gard Sound Card</td>
<td>1</td>
</tr>
<tr>
<td>4-Speaker Box</td>
<td>1</td>
</tr>
<tr>
<td>Individual Speakers (Optional)</td>
<td>4</td>
</tr>
<tr>
<td>U-Bolts</td>
<td>4</td>
</tr>
<tr>
<td>Control Box Brackets and small parts bag</td>
<td>1</td>
</tr>
<tr>
<td>A/C Power Adapter</td>
<td>1</td>
</tr>
<tr>
<td>12-Volt Battery Clips</td>
<td>1</td>
</tr>
<tr>
<td>20 Watt Solar Panel (Optional)</td>
<td>1</td>
</tr>
<tr>
<td>Solar Panel Mounting Bracket Assembly and Hardware (Optional)</td>
<td>1</td>
</tr>
<tr>
<td>Battery Box (Optional)</td>
<td>1</td>
</tr>
</tbody>
</table>
Assembly

Note: You will find it easier to pre-assemble the following components prior to installation in the field.

Control Unit

1. Lay the Control Unit face down.
2. Attach the mounting bracket to the top back with the included screws (Figure 1).

Solar Panel (Optional)

3. Install two U-Bolts in the Solar Panel Mounting Bracket (Figure 2)
4. Loosen, but do not remove the Carriage Bolts securing the movable Clamp Plates on the Solar Panel Mount Bracket.
5. Lay the Solar Panel on a flat surface with the glass side down.
6. Lay the Mounting Arm across the Solar Panel with the Clamp Plates down. Position the Mounting Arm at an angle so the Clamp Plates slide under the lip of the Solar Panel (Figure 3A).
7. Rotate the Mounting Arm and secure it to the Solar Panel by tightening the Carriage Bolts (Figure 3B).
Placement

Your Bird Gard Super Pro with the 4-Speaker Box will protect an area up to 250 feet in all directions. The individual speakers each protect an area approximately 175 feet x 275 feet under ideal conditions.

Factors to consider when selecting the best location include:

• Birds typically feed from the perimeter of the crop and work their way in. Place Bird Gard units so the sound protection covers beyond the edges of the crop.

• Mount the speakers at least 5 - 10 feet above terrain, crops, trees and other obstacles.

• Placing Bird Gard units on top of a hill or small rise will result in better coverage than at the bottom of a valley.

• Wind can blow sounds. If the area you need to protect has consistent wind coming from the same direction, position your Bird Gard unit more “upwind.”

• Trees surrounding crops provide birds with a safe place to hide and stage feeding raids Your Bird Gard unit should be positioned within 150 feet of any trees or heavy foliage bordering your crops. If birds are roosting in the trees at night the TIME OF OPERATION should be set to 24 HOUR.

• Lakes, rivers and wetlands are a favorite resting and hiding place for birds. Your Bird Gard unit should be positioned so the sound extends well into any areas where birds congregate.

• Neighbors, businesses and others may not appreciate hearing the bird sounds. At the limits of the effective range the sounds from your Bird Gard unit may be annoying to neighbors. Avoid placing the unit where it becomes a nuisance.

• You can limit the sound in one direction with the 4-Speaker Box by unplugging the speaker cable corresponding to the speaker facing that direction.

• The optional Individual Speakers with their 100 feet of cable allow for targeting of the bird protection and minimizing excessive noise.

• We will provide free custom mapping showing the suggested location of Bird Gard units on your property if you will provide your location information or GPS coordinates.

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Building a Mounting Pole

CAUTION: TALL POLES CAN BE HEAVY AND POTENTIALLY DANGEROUS. USE EXTREME CAUTION WHEN CONSTRUCTING OR WORKING AROUND TALL POLES AND MASTS. BIRD GARD, LLC ASSUMES NO RESPONSIBILITY FOR DAMAGES OR INJURIES.

Things to consider:

• The 4-Speaker Box is designed to mount on a pipe with an outside diameter of one inch. Both ¾ inch IMC conduit and ¾ inch galvanized water pipe have an outside diameter of one inch and are available in 10 foot lengths.

• You will want to take down your Bird Gard unit after harvest and store it in a dry location until the next season.

A suggestion for mounting poles up to 30 feet tall:

1. Use 10 ft. lengths of galvanized 1 in. (O.D.) IMC rigid conduit or water pipe, securely fastened together with threaded couplers.

2. Slide the 4-Speaker Box over the top of the pipe and tighten the set screw in the collar at the base.

3. Drive two T-Posts into the ground at the base of the pole and secure with two hose clamps. The assembled mast will sway in the wind but will not adversely effect the performance of your Bird Gard units.
Installation

**Note:** Foliage, trees, and other obstructions severely reduce the effective range of Bird Gard units. It is critical that the 4-Speaker Box is mounted 5 - 10 feet above all obstructions to achieve the maximum protection.

**Mounting Pole or Mast**

1. The Mounting Pole or Mast will need to be supported by a T-Post, fence post, tree or other means. The Pole Support should be in place before proceeding.

**4-Speaker Box**

2. Cut the zip-tie securing the speaker cable to the 4-Speaker Box.
3. Slide the 4-Speaker Box over the Mounting Pole (Figure 4)
4. Securely tighten the Set Screws in the Collar at the base of the 4-Speaker Box.

**Solar Panel (Optional)**

5. With the glass side of the solar panel facing the 4-Speaker Box, slide the U-Bolts in the Solar Panel Mounting Bracket over the lower end of the Mounting Pole approximately 7 feet from the bottom of the pole and tighten the U-Bolts (Figure 5A).
6. Lean up the assembled Mounting Pole against the Pole Support and fasten securely with hose clamps or other semi-permanent means.
7. Loosen the Tilt Lock Pin enough to allow the Solar Panel to angle down 45° (Figure 5B), retighten the Tilt Lock Pin and Pivot Bolts to hold the solar panel angle securely.
8. The Solar Panel **MUST** be installed facing **SOUTH** without being shaded by foliage or other obstructions. This may require mounting it above crops or trees to ensure it receives sufficient sunlight to recharge the battery.
Control Box

9. Attach the Control Box to the Mounting Pole with the included U-bolts (Figure 6).

10. Plug the speaker cables into the jacks marked “SPEAKER #1”, “SPEAKER #2”, “SPEAKER #3” and “SPEAKER #4”

11. Plug in the power cable from the A/C Power Adapter, 12-Volt Battery Clips or optional Solar Panel, into the “POWER” jack.

12. Remove the cable access panel and split grommet from the Control Box and route the speaker cables and the power cable through the split grommet (Figure 7).


14. Attach 12-Volt Battery Clips to 12-volt battery or plug in the A/C Power Adapter.

Individual Speakers (Optional)

Individual speakers are ideal for repelling birds from inside and around structures and in agricultural areas where strategic placement is needed.

Placement Considerations:

- Each speaker will repel birds from an area up to 175 feet wide by 275 feet deep and comes with 100 feet of attached Speaker Cable.
- Speakers should be mounted 5-10 feet above foliage and structures.
- When placing Speakers inside buildings, mount them high in the rafters where birds roost.
- Walls and other hard surfaces reflect sound so Speakers should be placed so the sound fills all areas where the birds congregate.
- To prevent birds from entering buildings place Speakers under eves directly above doors with the sound projecting to the outside.
- Keep Speaker Cables clear of walkways to prevent tripping.

Speaker Installation:

- Speakers can be mounted on a structure or post using provided slots.
- Plug the speaker cables into the jacks marked “SPEAKER #1”, “SPEAKER #2”, “SPEAKER #3” and “SPEAKER #4”
Repelling birds requires regular monitoring and active management. Birds are intelligent and highly adaptable so it is important to create and maintain an environment the birds perceive as hostile and dangerous. This is achieved by playing the sounds frequently and at a high volume, otherwise the birds will not be fully repelled and will soon learn to adapt.

Below are the initial settings that should be used when your Bird Gard Super Pro is first installed. Please see the “Bird Control Management Guidelines” section for more information.

**Recordings**

There are eight separate bird sounds contained on the Replaceable Sound Card. The label on the Sound Card lists each bird sound with a corresponding number to the eight “RECORDINGS” dip switches to the left of the Sound Card. Initially all RECORDING switches should be turned ON. If the target birds begin returning, periodically change switch settings for the eight sounds (turning them ON or OFF).

**NOTE:** NEVER turn OFF the distress or alarm calls of the target birds you are trying to repel and always keep at least one predator bird sound turned ON.

**Mode Settings**

**TIME OFF INTERVAL** controls the time off periods between each playing of the bird recordings.

<table>
<thead>
<tr>
<th>Setting</th>
<th>Time Off Duration</th>
<th>Switch #1</th>
<th>Switch #2</th>
</tr>
</thead>
<tbody>
<tr>
<td>SHORT</td>
<td>17-50 Seconds</td>
<td>ON</td>
<td>OFF</td>
</tr>
<tr>
<td>MEDIUM</td>
<td>1:00-4:15 Minutes</td>
<td>OFF</td>
<td>ON</td>
</tr>
<tr>
<td>LONG</td>
<td>5:00-10:00 Minutes</td>
<td>ON</td>
<td>ON</td>
</tr>
<tr>
<td>XLONG</td>
<td>10:00-30:00 Minutes</td>
<td>OFF</td>
<td>OFF</td>
</tr>
</tbody>
</table>

**TIME OFF INTERVAL** should be set to SHORT to create the greatest sense of danger and move the birds out of the area the fastest. **NOTE:** Increasing the TIME OFF INTERVAL may lower the effectiveness of your Bird Gard unit.

**TIME OF OPERATION** controls when the bird recordings play.

<table>
<thead>
<tr>
<th>Setting</th>
<th>Switch #3</th>
<th>Switch #4</th>
</tr>
</thead>
<tbody>
<tr>
<td>DAY ONLY</td>
<td>ON</td>
<td>OFF</td>
</tr>
<tr>
<td>24-HOUR</td>
<td>OFF</td>
<td>ON</td>
</tr>
<tr>
<td>NIGHT ONLY</td>
<td>ON</td>
<td>ON</td>
</tr>
</tbody>
</table>

Birds are usually only active during the day so the DAY ONLY is recommended. If birds are in the area at night set TIME OF OPERATION for 24-HOUR.

**RANDOM OPERATION** should always be turned ON.

**SPEAKER OPERATION** allows you to switch between all speakers playing the same sounds at the same time, or one speaker at a time randomly. For best results this should be turned ON.

**Volume**

Should always be set to HIGH for maximum coverage.
## Troubleshooting

<table>
<thead>
<tr>
<th>Problem</th>
<th>Possible Cause</th>
<th>Solution</th>
</tr>
</thead>
<tbody>
<tr>
<td>No Sound</td>
<td>Volume turned down</td>
<td>Turn volume up</td>
</tr>
<tr>
<td></td>
<td>Dead battery</td>
<td>Charge or replace battery</td>
</tr>
<tr>
<td></td>
<td>Loose battery connection</td>
<td>Verify all battery connections are tight</td>
</tr>
<tr>
<td></td>
<td>All RECORDINGS are turned OFF</td>
<td>Verify all RECORDINGS are switched to ON</td>
</tr>
<tr>
<td></td>
<td>Sound Card not fully seated</td>
<td>Remove sound card and reinstall, making sure it is fully inserted into the socket</td>
</tr>
<tr>
<td></td>
<td>Sound Card is installed backward</td>
<td>Unplug the sound card and reinstall with the label facing to the right</td>
</tr>
<tr>
<td></td>
<td>TIME OF OPERATION set to DAY ONLY without enough light</td>
<td>Change TIME OF OPERATION to 24-HOUR</td>
</tr>
</tbody>
</table>
| | Unit was not shut down before the battery was disconnected causing the unit to go into “SAFE MODE” | 1. Turn the POWER switch OFF  
2. Disconnect the battery  
3. Remove the sound card  
4. Wait 30 seconds  
5. Reinstall sound card  
6. Reconnect the battery  
7. Turn the POWER switch ON |
| Was working but stopped | The battery is dead | Connect the battery to a battery charger and see if it will hold a charge. Replace if necessary |
| | Solar Panel is not getting enough sunlight | Reposition the Solar Panel and recharge the battery |

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Warranty

1-YEAR ABSOLUTE SATISFACTION GUARANTEE:
IF YOU ARE NOT COMPLETELY SATISFIED WITH THE PURCHASE OF ANY BIRD GARD® PRODUCT, CONTACT THE PLACE OF PURCHASE OR OUR CUSTOMER SERVICE DEPARTMENT WITHIN 1 YEAR OF YOUR DATE OF PURCHASE FOR PROMPT AND COURTEOUS REPLACEMENT, REPAIR OR REFUND.

BIRD GARD LLC’S LIABILITY HEREUNDER SHALL BE LIMITED TO REFUNDING THE PURCHASE PRICE PAID BY CUSTOMER OR REPLACING THE PRODUCT, IN BIRD GARD’S SOLE DISCRETION, AND UNDER NO CIRCUMSTANCES SHALL BIRD GARD BE LIABLE FOR ANY CONSEQUENTIAL OR INCIDENTAL DAMAGES, OF ANY NATURE WHATSOEVER, ARISING FROM THE CUSTOMER’S USE OR OPERATION OF THE PRODUCT; PROVIDED, HOWEVER, THAT THIS LIMITATION MAY BE LIMITED BY STATE LAW.

EXCEPT FOR THE EXPRESS ONE-YEAR LIMITED WARRANTY BIRD GARD DISCLAIMS ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, RELATING TO THE PRODUCT, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR IMPLIED WARRANTY OF FITNESS; AND THE EXPRESS WARRANTIES ARE IN LIEU OF ALL OBLIGATIONS OR LIABILITIES ON THE PART OF BIRD GARD ARISING OUT OF OR IN CONNECTION WITH THE SALE, USE, OR OPERATION OF THE PRODUCT.

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