

the selected recordings in their number order, and the Time Off Interval will be the shortest time period within the selected range.

**The Random Mode is recommended to keep birds from adapting to a preset pattern of sounds.** To operate the unit in Random mode, set **Switch 5 in Mode Settings** as follows:

Switch 5	Mode
ON	Random mode ON
OFF	Random mode OFF

**NOTE:** The unit will always play for approximately 48 seconds independent of the number of sounds that are selected.

## PROGRAMMING EXAMPLE

Recording Switches:	Results:
1, 3, 5 and 6 to "ON" position	Plays Sounds 1, 3, 5 & 6

### Mode Switches:

1 = "OFF" position	Time Off Interval is set to
2 = "ON" position	Medium, every 1 to 4 minutes
3 = "ON" position	Operates during daylight
4 = "OFF" position	hours only
5 = "ON" position	Sounds in random, non-sequential order

## VOLUME CONTROL

The unit has a volume control dial on the front panel of the Transmit unit. Turning the dial toward **LOW** will result in reduced sound output and rotating the dial toward **HIGH** will result in an increase in sound output.

**CAUTION:** Take care when turning the dial since the unit may be in an inactive state when the dial is rotated. It could then reactivate at a very high level of sound which could be painful to your ears.

## POWER SWITCH

The **ON - OFF** power switch enables the unit to operate. Slide the switch to the **ON** position to start the unit. If you turn the unit **OFF**, be sure to leave it off for about 30 seconds before turning it back on to allow the electronics to properly reset.

Changes or modifications not expressly approved by Bird Gard, LLC could void the user's authority to operate the equipment.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:  
 —Reorient or relocate the receiving antenna.  
 —Increase the separation between the equipment and receiver.  
 —Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.  
 —Consult the dealer or an experienced radio/TV technician for help.

## TROUBLESHOOTING

PROBLEM	SOLUTION
Unit is on, but no sound is heard	<ul style="list-style-type: none"> <li>Check volume settings.</li> <li>Check time of operation settings.</li> <li>Check that at least one sound is selected to play.</li> <li>Decrease the distance between the Transmit control unit and the Receive speaker unit to ensure proper reception.</li> </ul>
Unit is on, but plays same sound over and over, regardless of settings	<ul style="list-style-type: none"> <li>Reset the unit by turning it off for 30 seconds, then back on.</li> </ul>
Unit is not operating properly in the DAY or NIGHT mode	<ul style="list-style-type: none"> <li>Double check Mode switch settings.</li> <li>Make sure photocell is not obstructed.</li> <li>Make sure the photocell is not affected by bright lights in either the front or the back of the unit.</li> </ul>
Unit does not function properly when connected to a 12-Volt battery	<ul style="list-style-type: none"> <li>Check battery condition.</li> <li>Turn power switch on unit to the OFF position. Reconnect the battery, wait 30 seconds, then switch the unit back on.</li> </ul>

## LIMITED WARRANTY

IF YOU ARE NOT COMPLETELY SATISFIED, CONTACT THE PLACE OF PURCHASE OR OUR CUSTOMER SERVICE DEPARTMENT WITHIN ONE (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 SPECIFICALLY DESCRIBED HEREIN, 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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 EPA Establishment Number 075130-OR-001. FCC ID#: XGA-0045T

Bird Gard Super Pro Wireless Instructions #655-0063-00 (Rev. 06-12-09)

## Digital Bird Repeller



## PRIOR TO INSTALLATION

Your Bird Gard® Super Pro Wireless kit includes a Transmit unit with an antenna, AC adapter and battery cable; and one or more four-speaker Receive units with an antenna and battery cable. Open the Transmit unit by pressing backward on the two latches on the side of the box.



Fig. 1

Prior to operation, plug the power cable into the power jack on the control unit, then route the cable down through the slotted rubber grommet and through the opening in the lower part of the enclosure, see **Fig. 1**.

**IMPORTANT NOTE:** Be certain that the **OFF - ON** switch is in the **OFF** position and the volume control is set to the minimum (**LOW**) volume level (**counterclockwise**) while plugging the power cord into the Transmit unit.

## INSTALLATION

- 1) Use the mounting hardware (included) to mount the Transmit unit box to a wall, post or other vertical surface. The Transmit unit can be mounted to any convenient location, including indoors. Even though the unit will transmit through walls, the reception distance is improved if the unit is mounted with a clear line-of-sight to the Receive unit. The reception distance is rated up to 1,000 feet (304 meters).
- 2) Screw the rubber antenna (included) onto the antenna mount located on top of the **Transmit unit**, see **Fig. 2**.
- 3) Plug the power adapter into an electrical outlet or attach the battery clip assembly to a 12V battery. The other end of the cable should already be plugged into the power



Fig. 2

jack located above **POWER** on the front panel of the **Transmit** unit.

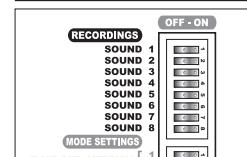
- 4) It is strongly recommended to test the operation of the Receive unit in close proximity to the Transmit unit, prior to installation in a more remote location.
- 5) The speakers are preset at the factory to broadcast sound sequentially (one at a time). If you desire to change this setting and have all four speakers broadcast sound at the same time, remove the black rubber grommet on top of the speaker unit using a flat-blade screwdriver to pry the grommet off. Move the toggle switch located under the grommet to the right-hand side to operate all speakers at the same time. Replace the rubber grommet by pressing it firmly into place so that it locks and forms a tight seal.
- 6) Screw the rubber antenna (included) onto the antenna mount located on top of the Receive unit.
- 7) Plug the battery cable into the power plug on the bottom of the **Receive** unit, see **Fig. 3**.
3. Attach the other end of the battery cable to a 12V battery.
- 8) Return to the Transmit unit and set the Recordings, Mode Settings, Time Off Interval, Time of Operation, and Random switches to the desired settings. (See "PROGRAMMING YOUR BIRD GARD" for complete details on how to program your bird repeller).
- 9) Make sure the volume setting is set to LOW (all the way counterclockwise).
- 10) Slide the OFF-ON power switch to the ON position. The unit may take a few seconds before starting.
- 11) Check the speaker unit for proper operation.
- 12) Once proper operation is confirmed, attach the EMT coupler on the bottom of the Receive unit to a pipe (3/4" O.D. or 19 mm). Position the Receive unit in the center of the area to be covered. Speakers should be at least 1-3 feet (0.3 – 1 meter) above the top of the crop or area to be covered.
- 13) Adjust the volume on the Transmit unit to the desired level and close the cover and latch shut.



**Fig. 3**

**"RECORDINGS"**). A switch is turned **ON** when sliding the switch to the right. The switch is **OFF** when sliding the switch to the left.

## RECORDING SWITCHES

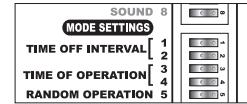


The Recordings switches are the first eight switches in the top switch array. Each switch has a Sound number to the left of it that corresponds with the bird/sound descriptions listed on the foil label located on the EPROM board to the right of the switch arrays. Bird Gard Super Pro Wireless is designed to play each selected sound at a different randomly selected frequency each time it plays that sound. This feature is designed to add to the effectiveness of the unit and is independent of the Random Operation Switch Setting.

*NOTE: The Bird Gard Super Pro Wireless features a replaceable EPROM board and chip. Note that the sounds included on your Bird Gard Super Pro Wireless unit are listed on a silver foil label affixed to the chip. To remove, simply pull EPROM board straight out from the embedded socket. Then insert a different EPROM board by pressing firmly straight into the socket.*

## MODE SETTING SWITCHES

The Mode Settings switches are the next five switches which control the various modes of operation: such as the amount of time between playing selected sounds, when the unit will operate (Day Only, Night Only, or 24-Hours), whether the unit will operate in the Random Mode.



Switch	Mode or Function
1	Sets the Time Off Interval
2	Sets the Time Off Interval
3	Sets the Time the unit plays
4	Sets the Time the unit plays
5	Turns Random Mode On or Off

## TIME OFF INTERVAL SWITCHES

The two Time Off Interval switches are located just below the Recordings Switches in the Mode Settings switch array. These switches control



the length of time the unit will delay between recorded sounds. Please note that the unit will play for approximately 48 seconds each time it cycles on (the selected recordings will play either sequentially or non-sequentially, depending on the Random Mode setting) then it will go into a delay.

## PROGRAMMING YOUR BIRD GARD®

To program your Bird Gard® unit you will need a small screwdriver, toothpick, or other small, rigid object to slide the switches in the switch array. The switch arrays are the switch banks located in the top left corner of the unit (under



the Time Off Interval and the Random Mode settings). A switch is turned **ON** when sliding the switch to the right. The switch is **OFF** when sliding the switch to the left.

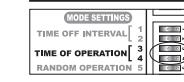
The time the unit stays off depends on the Time Off and the Random Mode settings. If the unit is operating in Random Mode, the unit will delay anywhere from the minimum value to the maximum value for that Time Off setting (see below). If the unit is not in Random Mode, it will delay only the minimum value. To set the Time Off interval (or delay interval), use the following settings on switches 1 and 2 in the mode function settings.

Switch 1	Switch 2	Time Off Period
ON	OFF	Short
OFF	ON	Medium
ON	ON	Long
OFF	OFF	Extra Long

Mode	Minimum	Maximum
Short	17 sec	50 sec
Medium	1 min	4:15 min
Long	5:00 min	10:00 min
XLong	10 min	30 min

## TIME OF OPERATION SWITCHES



The **TIME OF OPERATION** switches (two) are located just under the **TIME OFF INTERVAL** switches in the switch array. 'Night Mode' operates the unit at night and 'Day Mode' operates the unit during the day. However, the photocell that senses the sunlight is susceptible to bright lights. Take care not to have bright lights shining towards the unit since this can prevent the unit from operating properly. In the '24-Hour Mode', the unit will operate continuously, regardless of the time of day. To set the time period for the unit to operate set **Switches 3 and 4** in the **Mode Settings** switches to the following:

Switch 3	Switch 4	Mode
ON	OFF	Day Only
OFF	ON	Night Only
OFF	OFF	24-Hour Operation

## RANDOM OPERATION SWITCH

The Random switch is located as shown in the switch array. When the Random Mode is turned



ON, the unit will randomly play the selected recordings in non-sequential order and the Time Off Interval will be a randomly selected period of time within the selected range (Short, Medium, Long, Extra Long). When the unit is not operating in the Random Mode, it will play