Digital Bird Repeller
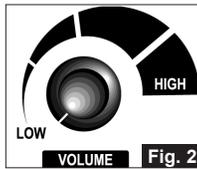
Bird Gard® SUPER PRO

PRIOR TO INSTALLATION

Your complete Bird Gard® Super Pro kit includes a control unit, power adapter, battery cable with clips and four-speaker box (or four separate speakers). Open the control unit by pressing backward on the two latches on the side of the box.

Slotted Rubber Grommet **Fig. 1**

Prior to operation, plug the power cable into the power jack on the control unit, and the four speaker plugs into the speaker jacks, then route the speaker and power cables from their respective jacks on the control panel 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) as shown in Fig. 2 while plugging the speaker and power cords into the control unit.*
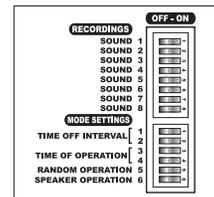

INSTALLATION

1) Use the mounting hardware (included) to mount the control unit box to a wall, post or other vertical surface.

2) 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 jack located below **POWER** on the front panel of the control unit box.
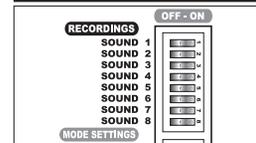
3) Mount the speaker(s) on a pole, post or surface that is aimed directly at the area to be covered. Speakers should be at least 1-3 feet above the top of the crop or area to be covered.

4) Set the Recordings, Mode Settings, Time Off Interval, Time of Operation, Random and Speaker Operation switches to the desired settings. (See "**PROGRAMMING YOUR BIRD GARD**" for complete details on how to program your bird repeller).

5) Make sure the volume setting is set to **LOW** (all the way counterclockwise).

6) Slide the **OFF-ON** power switch to the **ON** position. The unit may take a few seconds before starting.

7) Adjust the volume to the desired level.

8) Close the cover and latch shut.

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 "**RECORDINGS**"). *A switch is ON if the switch is moved to the right-hand side by sliding the switch to the right. The switch is OFF when moved to the left-hand side.*
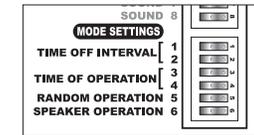
RECORDING SWITCHES

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

MODE SETTING SWITCHES

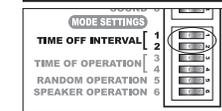The Mode Settings switches are the next six switches which control the various modes of operation: such as the amount of time between playing bird distress calls, when the unit will operate (Day Only, Night Only, or 24-Hours), whether the unit will operate in the Random Mode and whether the speakers will operate in sequence or simultaneously.

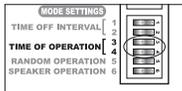| Switch	Mode or Function
1	Sets the Time Off Interval
2	Sets the Time Off Interval
3	Sets the Time the unit plays
4	Sets the Time the unit plays
5	Turns Random Mode On or Off
6	Sets speaker operation sequence

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. 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

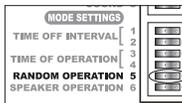## TIME OF OPERATION SWITCHES

 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 <u>not</u> 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 SWITCHES

 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; the Time Off Interval will be a randomly selected period of time within the selected range (Short, Medium, Long, Extra Long); and the speakers will play one at a time in a random pattern (if the Speaker Operation switch is set to one speaker at a time - see below). When the unit is <u>not</u> operating in the Random Mode, it will play the selected recordings in their number order; the Time Off Interval will be the shortest time period within the selected range; and the speakers will play one at a time in a sequence from Speaker 1 to Speaker 4 (assuming the Speaker Operation Switch is set to one speaker at a time).

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

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

SPEAKER OPERATION SWITCH

The **Speaker Operation** switch is the bottom switch in the Mode Settings switch array. When operating this switch, the unit will either broadcast sounds out of **one speaker at a time** <u>OR</u> out of **all speakers at the same time**. When selecting **one speaker at a time**, the unit will play all of the speakers, but one at a time. (If the Random Operation Switch is turned ON, then the speakers will play one at a time in a random order. If the Random Switch is OFF, they will play in a sequential order. To operate the unit for **Speaker Operation**, set **Switch 6 in Mode Settings** as follows:

Switch 6	Mode
OFF	One speaker at a time
ON	All speakers at one time

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
6 = "ON" position   All speakers broadcast simultaneously

VOLUME CONTROL

The unit has a volume control dial on the front panel of the 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.

TROUBLESHOOTING

PROBLEM	SOLUTION
Unit is on, but no sound is heard	• Check volume settings. • Check time of operation settings. • Check that at least one bird is selected to play.
Unit is on, but plays the same bird over and over, regardless of settings	• Reset the unit by turning it off for 30 seconds and then back on.
Unit is <u>not</u> operating properly in the DAY or NIGHT mode	• Double check Mode switch settings. • Make sure photocell is not obstructed. • Make sure the photocell is not affected by bright lights in either the front or the back of the unit.
Unit does <u>not</u> function properly when connected to a 12-Volt battery	• Check battery condition. • Turn power switch on unit to the OFF position. Reconnect the battery, wait 30 seconds, then switch the unit back on.