

time in a random pattern (if the Speakers Used switch is set to operate all four speakers). When the unit is not 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 (See Speaker Used Switch instructions following this section).

**The Random Mode is recommended to keep deer 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.

### SPEAKERS USED SWITCH

The **Speakers Used** switch is located just below the **OFF - ON** switch. The unit will always broadcast sounds out of **one speaker at a time**. You may choose to operate only **one speaker**, and this may be accomplished by moving the slide switch all the way to the left directly above "#1". To operate **two speakers**, simply slide the switch to the middle position directly above "#1-#2". Sounds will then broadcast out of **Speaker #1**, then **Speaker #2**, alternating between the two speakers. To operate **four speakers**, simply slide the switch all the way to the right directly above "#1-#4". Sounds will then broadcast out of **Speaker #1**, or **Speaker #2**, or **Speaker #3**, or **Speaker #4**, randomly broadcasting sounds from all four speakers, during each cycle.

### PROGRAMMING EXAMPLE

**Recording Switches:** 1, 3, 5 and 6 to "ON" position  
**Results:** 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 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	<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> </ul>
Unit is on, but plays the same sound over and over, regardless of the settings	<ul style="list-style-type: none"> <li>• Reset the unit by turning it off for 30 seconds and then back on.</li> </ul>
Unit is <u>not</u> 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 <u>not</u> 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>

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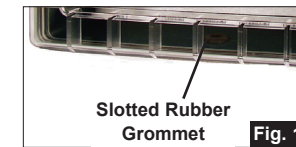
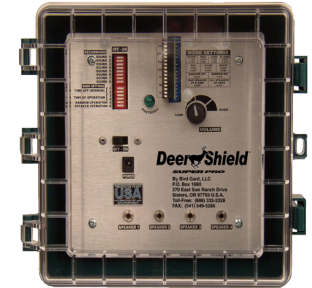
Deer Shield Super Pro Instructions P/N 655-0069-00 (Rev. B, 7-7-2020)

## Digital Deer Repeller



### PRIOR TO INSTALLATION

Your complete Deer Shield Super Pro kit includes a control unit, power adapter, battery cable with clips and up to four separate PA horn speakers. Open the control unit by pressing backward on the two latches on the side of the box.

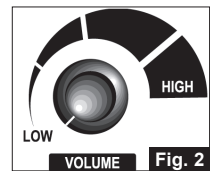


Slotted Rubber Grommet Fig. 1

Prior to operation, plug the power cable into the power jack on the control unit, and the 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.



VOLUME Fig. 2

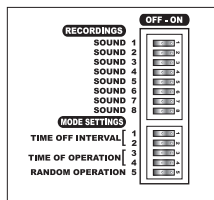
### INSTALLATION

- 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. **IMPORTANT:** Plug the adapter into a protected outlet that remains dry. The adapter is designed for indoor use, and shall remain readily operable.

- 3) Mount the speaker(s) on a pole, post or surface about 3 feet above any crops or foliage. Aim the speakers to cover the area to be protected, with emphasis on regular deer access points.
- 4) Set the Recordings, Mode Settings, Time Off Interval, Time of Operation, Random and Speakers Used switches to the desired settings. (See **“PROGRAMMING YOUR DEER SHIELD”** for complete details on how to program your digital deer 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.

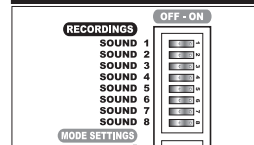
## PROGRAMMING YOUR DEER SHIELD®



**NOTE:** The unit is preset at the factory to the recommended use settings: all eight sounds turned ON, the Short Time Off interval, Daytime Only operation and Random Mode ON. Do not change these settings.

However, if it becomes necessary to program your Deer Shield Super Pro 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 SWITCH

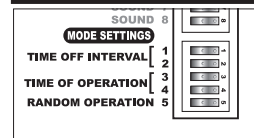


The Recordings switches are the first eight switches in the top switch array. Each switch has a Sound number to the left of it that

corresponds with the deer sound descriptions listed on the foil label located on the EPROM board to the right of the switch arrays. Deer Shield 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 Deer Shield Super Pro features a replaceable EPROM board and chip. Notice that the sounds included on your Deer Shield Super Pro unit are listed on a silver foil label affixed to the chip. To remove, simply pull the 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

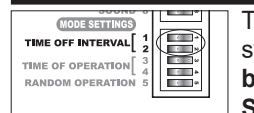


The Mode Settings switches are the next five switches which control the various modes of operation: such as the amount of time

between playing various deer distress and alarm 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

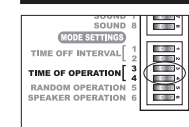
Settings switch array. These switches control the length of time the unit will delay between recorded sounds. Please note that the unit will play for approximately 48 seconds each time it cycles on (the selected recordings will play either sequentially or non-sequentially, depending on the Random Mode

setting) then it will go into a delay. 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

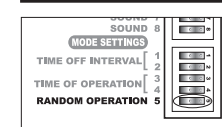


The TIME OF OPERATION switches (two) are located just under the TIME OFF INTERVAL switches in the switch array. 'Night

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; 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