ULTRASONIC FREQUENCY SWITCH
The ultrasonic sounds play regardless of the other setting you choose. HIGH, MED and LOW refer to the frequency of the ultrasonic sound waves. We recommend you begin on LOW, and then vary between the three every so often (during routine maintenance, for example).

PROGRAMMING EXAMPLE

<table>
<thead>
<tr>
<th>Recording Switches</th>
<th>Results</th>
</tr>
</thead>
<tbody>
<tr>
<td>1, 3, 5 and 6 to “ON” position</td>
<td>Plays Sounds 1, 3, 5 &amp; 6</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Mode Switches</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 = “OFF” position</td>
<td>Not active</td>
</tr>
<tr>
<td>2 = “ON” position (Medium), every 1 to 4 minutes</td>
<td>Operates</td>
</tr>
<tr>
<td>3 = “ON” position</td>
<td>Operates</td>
</tr>
<tr>
<td>4 = “OFF” position</td>
<td>Operates</td>
</tr>
<tr>
<td>5 = “ON” position</td>
<td>Operates</td>
</tr>
</tbody>
</table>

VOLUME CONTROL
The unit has a volume control dial for the sonic (audio) sounds 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 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

<table>
<thead>
<tr>
<th>PROBLEM</th>
<th>SOLUTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>Unit is on, but no sound is heard</td>
<td>• Check volume settings</td>
</tr>
<tr>
<td>Unit is on, but plays the same sound over and over, regardless of the settings</td>
<td>• Reset the unit by turning it off for 30 seconds and then back on</td>
</tr>
<tr>
<td>Unit is not operating properly in the DAY or NIGHT mode</td>
<td>• Double check Mode switch settings</td>
</tr>
</tbody>
</table>

SUCCESSFUL LONG-TERM BEHAVIOR MODIFICATION
Product success takes time to build. Bird and pest habits may take several days or weeks to break. Follow all suggestions for maximum efficacy. “Instant” tests do not replicate natural conditions and give no indication of the unit’s success with the infestation.

PREPARE FOR SUCCESSFUL CRITTER CONTROL
Bird-X, Inc. has been recognized worldwide as the critter and bird control x-perts for 40 years. We have become experts through extensive experience and research. As a result, we are happy to analyze problems and make recommendations based on each customer’s specific situation and needs. In addition, we provide the following recommendations for greatest success, even before activating the repeller.

- Remove introducers. Clean the area of all evidence of critters or birds: nests, fledglings, droppings, dead birds, and the residential scent. Because critters, birds and their droppings can carry many diseases, use extreme caution when removing them. Do not breathe or come into direct contact with them. If you have questions about how to do this safely, consult an expert. (Adults are likely to return to their young in order to protect them or to assist them in leaving the area.) Remove food spillage, garbage, nesting material and other appealing items.
- Survey the critters and/or birds to determine flight or ground path and time patterns, entries and exits, and nesting, feeding and roosting habits. This will suggest the unit placement, speaker direction and time of operation you should choose. Make educated guesses as to where the birds or critters will go when they are repelled from their current infestation, and consider additional units to cover these alternative areas.

- Maintain a clean and changing environment. Periodically clean the area of nests and droppings, relocate or reposition the unit, vary the output, or turn off the unit for a short time.
- Install early, before “season” begins, as it is easier to keep pests away than to rout them out once they have established a living pattern.
- Use products synergistically. Two or more different kinds of devices (this repeller plus a visual scare product and/or a roost inhibiting device) will produce a synergistic effect -- i.e., in combination, the products will yield much greater effectiveness than the one alone. Contact us for information on “companion” products.

CAUTION: Bird droppings are unhealthy - even potentially fatal. At least sixty transmissible diseases have been associated with birds or exposure to their excrement. Prior to cleaning up any type of droppings, it is important to take all necessary protective measures, including but not limited to protective respirations devices, gloves, clothing and safety eyewear. Your health and safety are important: please seek professional advice and information appropriate to your situation. Never clean up or risk other exposure to droppings without using protection. Do not ask others to enter or clean up potentially hazardous areas without ensuring that they are similarly protected.

LIMITED WARRANTY
This BB–PRO unit is warranted against defects in material and workmanship for six months from date of purchase (extended warranty available). Bird-X will replace or repair, provided defect occurs under normal use. Returns accepted only with authorization from our Chicago office.

Prepare for Successful Critter Control

Prior to operation, route the speakers and power cables from their respective jacks on the control panel down through the slotted rubber grommet in the lower part of the enclosure, as shown in Fig. 1.

IMPORTANT: Be certain that the power switch is in the OFF position and the audio volume control is set to the minimum (LOW) audio volume level (counterclockwise) as shown in Fig. 2 while plugging the speaker and power cords into the control unit.

HOW IT WORKS
Sonic and ultrasonic sounds sequence through all four speakers. Sonic sounds play according to the programming options you choose. Ultrasonic sounds are always active – day and night – regardless of programming, however they don’t play during the sonic sounds.

INSTALLATION

Important safety-related information:

- Do not install the device during rain or snow conditions.
- Installation shall be made in such a way that a power supply and the internal part of the control unit never be subjected to water or snow.
- Note that a power supply powered from 230 VAC is intended for indoor use only.

1) Use the mounting hardware (included) to mount the control unit box to a wall, post or other vertical surface.
8) Close the cover and latch shut. Ensure that the cover is properly latched closed and do not open the cover during rain or other conditions that would expose the inside of the control unit to water.

7) Adjust the volume to the desired level.

6) Slide the SOUND FREQUENCY switch to the right-hand side. The switch is OFF when the unit is operating in Random Mode, the unit will delay anywhere from the minimum value to the maximum value for that Delay setting. If the unit is not in Random Mode, it will delay only the minimum value. To set the Delay period (or delay interval), use the following settings on switches 1 and 2 in the Mode Function settings.

Switch 1  Switch 2  Delay Period
ON           OFF              Short
OFF           ON               Medium
OFF           OFF              Long
OFF           OFF              Extra Long

Mode  Min  Max
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 two “Time” switches are located just under the Delay switches in the switch array. ‘Night Only’ operates the unit at night and ‘Day Only’ 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 ‘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 Function settings to the following:

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

RANDOM OPERATION SWITCH
The “Random” switch is the bottom switch in the switch array. When operating in Random Mode, the unit will randomly play the selected recordings in non-sequential order. When the unit is not operating in the Random Mode, the unit will play the selected recordings in a sequential order.

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 Settings
ON           RANDOM (Mode ON)
OFF           NOT RANDOM (Mode OFF)

SOUND SETTING SWITCHES
The Sound Setting Switches are the first eight switches in the switch array, to set the sonic (audio) sounds only.

Each switch has a recording number to the left of it that corresponds with the bird/sound descriptions listed on the foil label (see above example) located on the replaceable Memory Card with Sound Chip to the right of the switch arrays. For best results, choose a combination of both predator calls AND bird distress recordings to create the most natural scenario. We also recommend varying your choices periodically for greatest effectiveness.

NOTE: Your BB-PRO features a replaceable Memory Card with Sound Chip. You will notice that the sounds included on your BB-PRO unit are not random mode or normal mode.

MODE SETTING SWITCHES
The Mode Setting Switches set the various modes of operation: such as the amount of time between playing predator calls and bird distress calls, when the unit will operate (day only, night only, or 24 hours), and whether the unit will operate in the random mode or normal mode.

Switch  Mode or Function
1  Sets the Delay Period
2  Sets the Delay Period
3  Sets the Time of Operation
4  Sets the Time of Operation
5  Turns Random Mode On or Off

Remember, whatever your choices, the ultrasonic sounds are always active.

DELAY SWITCHES
The two ‘Delay’ switches are located just below the Bird switches in the switch array. When the unit is set to one of the various Delay modes, the unit will delay a number of seconds or minutes between recorded sounds. The SHORT setting is appropriate for testing, but is NOT recommended for long-term success. Please note that the unit will play all of the selected recordings (either sequentially or non-sequentially, depending on the Random Mode) then it will go into a delay. The time the unit stays off depends on the Delay and Random Mode settings.

PROGRAMMING YOUR BB–PRO UNIT
To program your BB–PRO unit you will need a small screwdriver, toothpick, or other small, rigid object to move the switches in the switch array. The switch array is the switch bank located in the top left corner of the unit (under “PROGRAM”). A switch is ON if the switch is moved to the right-hand side. The switch is OFF if the switch is moved to the left-hand side.

PROGRAM

1  Pigeon I
2  Pigeon II / Bird Predator I
3  Starling / Pigeon III
4  Sparrow
5  Gull I
6  Gull II
7  Bird Predator II
8  Bird Predator III

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The unit is operating in Random Mode, the unit will delay anywhere from the minimum value to the maximum value for that Delay setting. If the unit is not in Random Mode, it will delay only the minimum value. To set the Delay period (or delay interval), use the following settings on switches 1 and 2 in the Mode Function settings.

Switch 1  Switch 2  Delay Period
ON           OFF              Short
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Mode  Min  Max
Short  17 sec  50 sec
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The two “Time” switches are located just under the Delay switches in the switch array. ‘Night Only’ operates the unit at night and ‘Day Only’ 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 ‘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 Function settings to the following:

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

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The “Random” switch is the bottom switch in the switch array. When operating in Random Mode, the unit will randomly play the selected recordings in non-sequential order. When the unit is not operating in the Random Mode, the unit will play the selected recordings in a sequential order.

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 Settings
ON           RANDOM (Mode ON)
OFF           NOT RANDOM (Mode OFF)