Super Broadband PRO™

PRIOR TO INSTALLATION

Your complete Super Broadband Pro kit includes a control unit, power adapter and four speakers. Open the control unit by lifting the two latches on the side of the enclosure.

Cable Strain Relief

Prior to operation, route the speakers and power cables from their respective jacks on the control panel down through the cable strain relief in the lower part of the enclosure, as shown in Figure 1.

IMPORTANT: Be certain that the power 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.

LOW
AUDIO
VOLUME

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 won't play *during* the sonic sounds.

INSTALLATION

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

PREVENTATIVE MAINTENANCE

Since 1967, our products have provided years of trouble-free service with only a minimum of routine maintenance. This unit is specifically designed for extensive outdoor use and temperature extremes. The electronic circuits inside the unit are coated for oxidation and moisture protection and need no maintenance. For the longest life of external components, clean off any excess dirt or corrosion. Twice a year, lubricate the switch sockets and the connections with silicone spray.

TROUBLESHOOTING

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 *not* 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.

BIRD-X

THIS SUPER BB PRO UNIT IS GUARANTEED AGAINST DEFECTS IN MATERIAL AND WORKMAN-SHIP FOR SIX MONTHS FROM DATE OF PURCHASE. BIRD-X WILL REPLACE OR REPAIR, PROVIDED DEFECT OCCURS UNDER NORMAL USE. UNITS ALSO CARRY A 30-DAY PERFORMANCE GUARANTEE. IF USER IS NOT SATISFIED WITH RESULTS, UNIT MAY BE RETURNED WITHIN 30 DAYS FOR CREDIT LESS A *10%* HANDLING AND RESTOCKING CHARGE. *RETURNS ACCEPTED ONLY WITH AUTHORIZATION FROM OUR UK OFFICE*

Units 2c & 2d Littlehampton Marina
Ferry Road
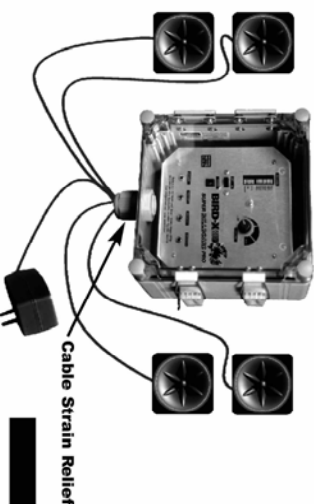Littlehampton
West Sussex
BN17 5DS
United Kingdom

www.bird-x.co.uk / T. +44 (0)1903 715 631

DELAY
TIME
NOT RANDOM

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
ON	RAMDOM (Mode ON)
OFF	NOT RANDOM (mode OFF)

ULTRASONIC FREQUENCY SWITCH

The ultrasonic sounds play regardless of the other settings 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

Recording Switches:
1, 3, 5 and 6 to "ON" position

Results
Plays Sound 1, 3, 5 & 6

Mode Switches

1 = "OFF" position
2 = "ON" position   (Medium,) every 1 to 4 minutes
3 = "ON" position
4 = "OFF" position   Operates during daylight hours only
5 = "ON" position   In random, non-sequential order

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.

2) Plug the power adapter into an electrical outlet. The other end of the cable should already be plugged into the power jack located above **POWER JACK** on the front panel of the control unit box.

3) Speaker positioning: On a billboard or sign, you will most likely want to position speakers in between the double-sided sign, or in the back of a single-sided sign. Place two speakers high and two speakers low. Position them either in the center facing out or on the outside edges facing IN and ACROSS the sign. In this manner, birds will be constantly "exposed" to the greatest sound diversity without too much physical obstruction. If you're not sure exactly where you will want the speakers, we suggest temporary installations with wire ties until you determine where you will want them permanently.

If the infestation is on a tower, awning, rooftop or anyplace else, follow the rough guidelines above: put some high and put some low, and have them face different directions for greatest sound variety.

4) Set the switches, as desired. (See "PROGRAMMING YOUR SUPER Broadband PRO" for complete details on how to program your bird repeller).
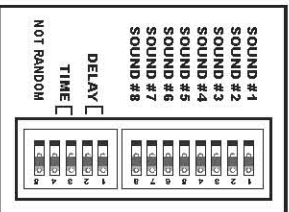
5) Make sure the volume setting is set to **LOW** (all the way counter-clockwise).

6) Slide the SOUND FREQUENCY switch to the **HIGH** position. The unit will immediately turn on.

7) Adjust the volume to the desired level.
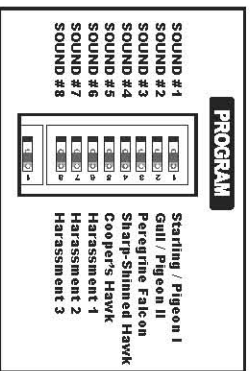
8) Close the cover and latch shut.

SUPER BROADBAND PRO PROGRAMMING

To program your BB-PRO unit you will need a small screwdriver, toothpick, or other small, rigid object to toggle the switches in the switch array. The switch bank located in the top left corner of the unit (under "PROGRAM"). **A switch is ON if the switch is pressed**

NOT RANDOM
DELAY [TIME]
SOUND #1
SOUND #2
SOUND #3
SOUND #4
SOUND #5
SOUND #6
SOUND #7
SOUND #8

SOUND SETTING SWITCHES

PROGRAM

SOUND #1	Starling / Pigeon I
SOUND #2	Gull / Pigeon II
SOUND #3	Peregrine Falcon
SOUND #4	Sharp-Shinned Hawk
SOUND #5	Cooper's Hawk
SOUND #6	Harassment 1
SOUND #7	Harassment 2
SOUND #8	Harassment 3

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

Each switch has a recording number to the right of it that corresponds with the descriptions listed on the foil label inside the unit. We strongly recommend several sounds, including at least one of the distress cries (switches 1 & 2), at least one of the predator sounds (switches 3, 4 & 5) and at least one of the harassments (switches 6, 7 & 8). We also recommend varying your choices periodically for greatest effectiveness.

MODE SETTING SWITCHES

The Mode Setting Switches set 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), and whether the unit will operate in the random mode or normal mode.

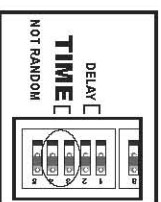| Switch	Mode or Function
1	Sets the Time-Off Period
2	Sets the Time-Off Period
3	Sets the Time the unit plays
4	Sets the Time the unit plays
5	Turns Random Mode On or Off

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.

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

NOT RANDOM
DELAY [TIME]

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

down on the right-hand side. The switch is OFF if the left side is pressed down.

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 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 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
ON	ON	Long
OFF	OFF	XLong

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 unit during the day 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:

NOT RANDOM
DELAY [TIME]

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