



# martley electronics

## **Martley Bird Scarers**

### **How it works.**

Martley bird scarers reproduce a number of predator calls digitally recorded and stored on solid state chips. In addition there are some alarm and distress calls known to shift some birds. Not all sounds shift every species, as this is a multi-pest unit. Sounds are reproduced at minimum intervals of 3 minutes and a maximum of 30, with an average of 5 soundings per hour. Its operation can be altered, but please read the instructions below or call for advice before changing anything if unsure.

The strobe flash when looked at by pests, particularly birds, overloads their sensory receptors (momentarily blinds them). The strobe flashes for a few seconds before the sound blast and stops when the noise ends.

A daylight sensor is built into the scarer which can be used to stop the sound and strobe as darkness falls or it becomes light, depending on the setting selected, this is to help prevent unnecessary noise pollution. The light sensor can be disabled if required, such as for indoor use. See instructions below. If the light sensor is disabled it may be beneficial to use a timer for timed on/off control.

The Martley machines also offer a 'summer morning' setting which gives a 2 hour delayed start for use in mid-summer as another aid towards curbing excessive noise. See below for instructions.

All scarers, unless ordered for specific operations, are dispatched to operate daylight on, dark off. They will be set to give between 4 & 5 sounds per hour, and when sounding will flash the strobe. The only external controls are the volume control and test button.

### **Operation**

1. Ensure the daylight sensor on the side is in good light and connect the unit to a 12 volts dc car/leisure type battery or mains power supply.
2. Wherever possible, place the unit well above the floor/ground aimed toward the problem area.
3. Try to ensure the strobe and speaker are visible in the area you wish to clear but do not point the speaker to the sky as it will fill with water and die!!!

4. Upon connecting the power, the unit will sound a test tone for approx 3-4 seconds, after a short interval the first sounds will be emitted as long as the daylight sensor is receiving good light.
5. When sound is playing, the volume can be adjusted to a suitable level, do not use a louder setting than is necessary.
6. The operation is totally automatic and apart from charging the battery when required, (solar panels are available from Martley) no further intervention is necessary, however it is a good idea to reposition the unit regularly to help avoid habituation & normalization. For an instant result, the test button can be pressed, after 2 seconds a set of predetermined sounds are played.

**Good positioning is very important** and will affect the efficacy of the unit; it should be line of sight for best results.

The operation is totally automatic and apart from charging the battery when required, (solar panels are available from Martley) no further intervention is necessary, however **repositioning the unit regularly** can help avoid habituation & normalization.

### **Changing settings.**

Disconnect the power and take off the lid by removing the screws in each corner.

Note the seal, it is vital to ensure it is correctly in place when replacing the lid. The guarantee is null and void if the seal is not in place as the unit may be permanently damaged by the ingress of moisture.

Be careful not to over tighten screws on refitting.

On the circuit board, locate 2 rows of switches, numbered 1 to 8.

On the **1st bank** (left hand side when looking at numbers correct way up.)

1. Daylight sensor control - Off = sensor disabled. On = sensor active.
2. Daylight sensor reverse - Off = sounds played during daylight. On = sounds played during darkness. (Switch 1 must be On).
3. Must be Off.
4. Must be Off.
5. Must be Off.
6. Summer morning delay - Off = normal operation. On = 2 hour delay after daylight sensor senses light.

**All other switches change the list of sounds being played.**

### **1st bank (left side)**

7. Pigeon
8. Starling

### **2nd Bank (right side)**

1. Crow
2. Rook
3. General
4. Gull
5. Pigeon/Gull
6. Pigeon with synthetic sounds added
7. Gull/Crow
8. Synthetic and bangs (gunshots, explosions)

More than one list can be selected, they will be played in numerical order.

Other sound programmes are available to order.

### **Trouble shooting tips:**

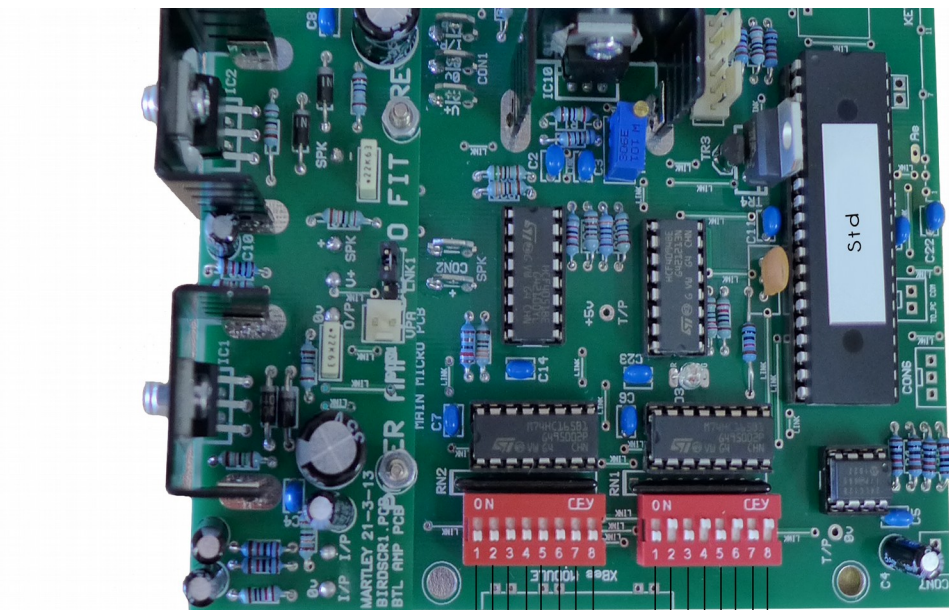
No sound coming from the bird scarer.

1. Ensure the daylight sensor is receiving good light.
2. Check the battery is in good condition whilst under load, all cells are good and fully charged. The scarer will not function if the voltage is below 11.5 volts DC.
3. Check the connections to the battery are correct, red = positive, black = negative.

### **Safety Precautions**

All Martley Birdscarers emit high levels of sound near to their speakers. Martley Electronics recommends anyone in the vicinity of the birdscarer to wear ear defenders.





## Standard machine

On = daylight sensor active  
 On = daylight sensor reversed  
 Not used  
 Not used  
 Not used  
 Dawn delay On = 2 hour delay  
 Pigeon  
 Starling

Crow  
 Rook  
 General  
 Herring Gull  
 Pigeon/Gull  
 Pigeon with synthetic sounds  
 Gull/Crow  
 Synthetic and bangs