

SCARECROW
BIO-ACOUSTIC SYSTEMS

KEEPING BIRDS AT BAY

COMPACT *Scarecrow*

Instruction Manual

for Agricultural and Horticultural use



**Compact 200
Master Unit**



**Compact 360
Master & Slave Unit**



**Compact
Solar Unit**

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Compact Scarecrow - Typical Uses



**Crows in cereals,
on golf greens**

**Pigeons in cereals,
brassicas, fruit**



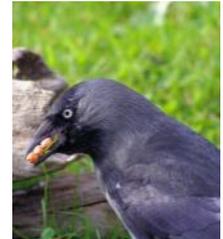
Starlings on silage



Grazing geese



Gulls on rubbish



Jackdaws in peas



**Cormorants on
fishing lakes**

**Rooks in fruit
orchards**



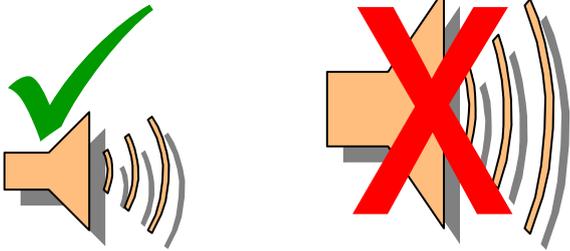
Compact Scarecrow - Manual Contents

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Compact Scarecrow - Points to Remember

Volume - Keep it Natural

Start the volume low and gradually raise it so that it blends with the natural species sound.



Random Calls - Keep them Guessing

Play the calls of several associated birds randomly to keep the birds away for longer.



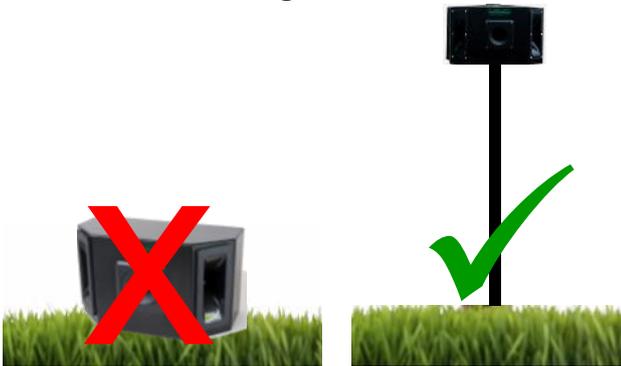
Pigeons in rape = Crows + Rooks + Jackdaws + Pigeons



Starlings on maize silage = Crows + Rooks + Starlings

Location - Keep it High

Locate Compact as high as possible on a pole or on a building.



Coverage - Keep it Realistic

Many factors can affect coverage. Assess each situation and make allowances.



Hills and Valleys



Wind speed and direction



Trees and hedges



Walls and buildings

Re-positioning - Keep it Weekly

Give Compact a chance to do its job; don't move it too frequently.

1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				

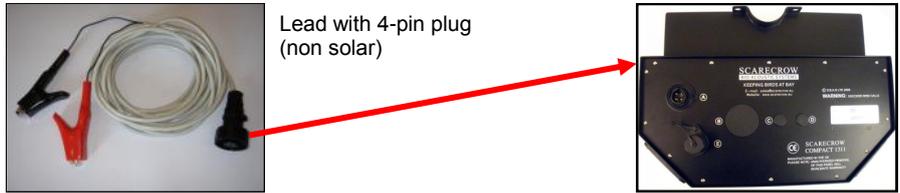
Please read the instructions for the unit carefully to ensure you are creating the best environment for the Compact Scarecrow to operate successfully. All bird control situations differ in many respects so it is worth taking some time to get used to how the Compact will work for you, according to your situation and the level and type of bird problem that you have.

Compact Scarecrow - Quick Set-up Guide

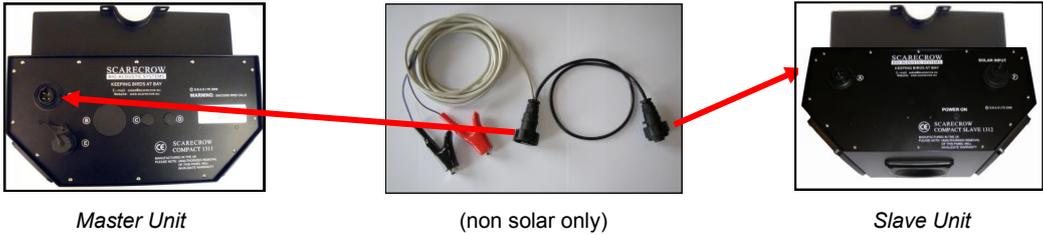
The following shows the most common set-up steps for each model of Compact. For more detail, refer to the complete details of each step in the following pages.

Electrical Connections

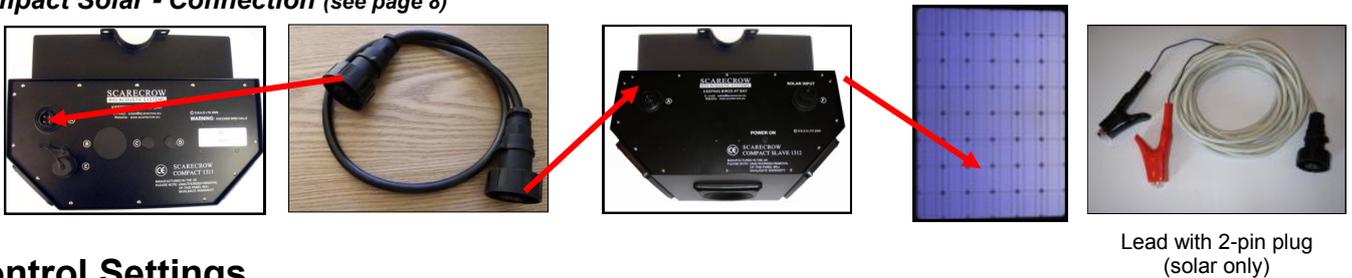
Compact 200 - Battery Power Connection (see page 7)



Compact 360 - Master to Slave Connection (see page 7-8)



Compact Solar - Connection (see page 8)



Control Settings

Volume



Volume (see page 9) - keep it low, keep it natural!



Mode Switch Block (see pages 9-11)

Normal Switch Block Settings - for arable farm use

1 Herring Gull	OFF
2 Black Headed Gull	OFF
3 Starling	OFF
4 Rook	ON
5 Crow	ON
6 Pigeon (+ Jackdaw)	ON
7 Normal playback sequence	OFF
8 Light sensor over-ride	OFF
9 Auto-timer	ON
10 Test mode	OFF

Normal LED lights

Red: ON = Auto-timer on; FLASHING = At night, ambient light sensor activated
 Green: ON = Bird call playing; FLASHING = 60 second pause between calls
 Yellow: ON = Daylight; FLASHING = 60 minute ambient light sensor countdown

Compact Solar Unit Only - CHARGING LED: OFF = Battery discharged; FLASHING = Charged or charging (frequency indicates charge level)

Compact Scarecrow - items supplied

Please check the contents of the unit supplied to ensure everything is present.

Compact 200 Master Unit



Master Unit Front view

- supplied with 4 M8 x 30 bolts, M8 nuts and locking washers



Master Unit Underside view

- note that control points B, C, D and E are fitted with removable plastic covers.



Battery connector lead
4-pin plug (non solar)



Control adjustment tool



U-Clamps
- mates with rear brackets to provide pole fixing for Master Unit

Also included:
Instruction Manual and Unit Test Certificate

Compact 360 Slave Unit



Slave Unit Front view



Slave Unit Underside view

- note that the Solar Input socket F and the Power On aperture are fitted with removable plastic covers.



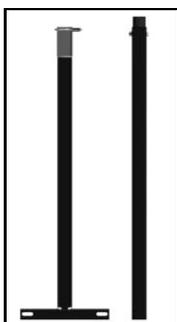
Master to Slave connector lead
4-pin plug (non solar)



Cover from Solar Input socket F

Also included:
Master Unit (see Compact 200 above)
Instruction Manual and Unit Test Certificate

Compact Master and Slave Accessories - some of the following items may also have been supplied



1323 Pole & Base Kit

- 2m pole and mountings with 1m square base to position Compact in free standing location;
- requires 4x450mm square paving slabs or similar for installation stability
- supplied with 2x M10 x 70 bolts, 4x M10 flat washers and 2x M10 nyloc nuts
- supplied with 1x plastic end cap



Power Supply Unit
- 240v ac-15v dc mains power supply unit

Compact Scarecrow - items supplied

Compact Solar



Master Unit
- supplied with 4 M8 x 30 bolts, M8 nuts and locking washers



Master Unit Underside view
- note that control points B, C, D and E are fitted with removable plastic covers.



Slave Unit - solar version



Solar Slave Unit Underside view



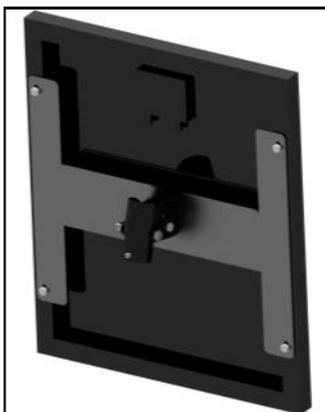
Booster Cable
2-pin plug
(do not use if 4-pin plug)



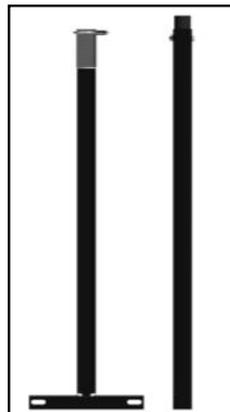
Master to Slave connector lead
- solar version (both 4-pin plugs)



Control adjustment tool



Solar Panel (plus H-Bracket)
- with connecting lead and plug attached



Solar Pole & Base Kit

- 2m pole and mountings with 1m square base to position Compact in free standing location;
- requires 4x450mm square paving slabs or similar for installation stability
- supplied with 2x M10 x 70 bolts, 4x M10 flat washers and 2x M10 nyloc nuts
- supplied with 1x M10 x 60 bolt, 1x M10 nyloc nut and boss to fasten the solar panel to the pole

Also included:
Instruction Manual and Unit Test Certificate

Compact Scarecrow - location and assembly

Unit Location and Assembly

Where to locate the Compact Scarecrow for best results

The Compact is most effective when the unit is situated as high as possible above the birds. Obviously this is not possible where birds such as pigeons are in woodland but, if located high enough on a pole or similar structure, they should lift from the fields. A height of at least 2m above the birds is ideal, with the unit angled slightly downwards if possible.

If a unit is being used in a barn, to remove Starlings for example, users should locate the Compact at the highest point possible for best effect, ideally using the wall fitting kit. Some experimentation may be needed to find how the unit works best in each situation - different species react with varied urgency.

However and wherever it is located the Compact must be properly secured so that wind and animals cannot dislodge it. Fitting accessories are available to assist this (see below).

The Compact outer casing has been specifically designed with a sloping top to ensure that any rain water runs off the top of the unit. When assembling the unit, please ensure that the control panel is located at the base of the unit so that the 'Scarecrow' logo, on the front, is not upside down. The control panel is not waterproof and must be kept dry. Always ensure that the plastic covers are replaced after any adjustments have been completed.

Assembling and Mounting the Compact 200 Master Unit

Wall Mounting

Attach the unit to a wall using the bolts, nuts and washers supplied or alternative appropriate wall fixings.



Pole Mounting

Fit the unit to a suitable pole (such as a scaffold pole) using the two U clamps and the bolts, nuts and washers supplied.



Compact Scarecrow - location and assembly

Assembling and Mounting the Compact 360 Master Unit with the Slave Unit

To mount the Slave unit on a pole back to back with the Master Unit place the two units around a suitable mounting pole (such as a scaffold pole) and secure them together using the four supplied screws as per the picture above right.



Assembling and Mounting the Compact Solar

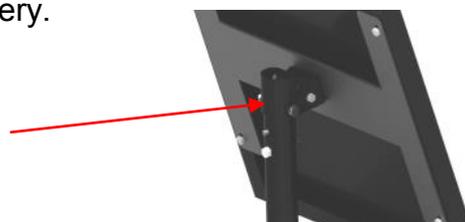
All parts supplied can be identified from the photos on Page 4. Note that the Solar Pole and Base Kit requires the local purchase of 4 cement composite paving slabs each 450mm square; these are used to stabilize the system. In high winds please take further precautions to keep the unit secure. Assemble the frame as follows:

1. Secure the 1m pole with mounting brackets to the two base mounts using the 2x M10 x 70 bolts, 4x M10 flat washers and 2x M10 nyloc nuts supplied and then fit the four paving slabs.
2. Attach the support pole clamps to the top of the pole, locate the remaining pole in the clamps and tighten the clamp bolts and nuts. The end result should be as per the picture below.



3. Locate the Master and Slave Units around the support pole as per the instructions at the top of this page.
4. Attach the solar boss to the top of the mounting pole using the M10 x 60 bolt and the M10 nyloc nut supplied then attach the solar panel, as per the picture below, and secure it to the boss with the small grub screw (but do not over-tighten). Position the Solar Panel to be SOUTH facing and adjust the angle upwards from horizontal to make maximum use of the sunlight; in the UK this is likely to be 30° from horizontal during the months of May to September and 50° from October to April. To adjust the angle take out the M8 x 80 bolt from the solar panel assembly and rotate to the required slot. The four slots represent the angles 10°, 30°, 50° and 70°. To fasten the solar panel insert the M8 x 80 bolt in the selected slot.

It is essential that the Solar Panel is kept clean for maximum efficiency, particularly from snow and ice in winter, which will reduce the light reaching the panel and may result in a fully discharged battery.



Compact Scarecrow - electrical connections

Power Supply and Electrical Connections

Compact 200 Master Unit

Battery Power Connection

1. Connect the socket end of the *Battery Connector Lead* to the *Power Input Plug* (marked **A** on the underside of the Master unit)
2. Connect the battery terminal clips to a fully charged 12 volt battery of at least 30A/hr capacity. 'Leisure' batteries are better for this purpose, rather than vehicle types, since they are designed for repeated re-charging. (A battery re-charger will also be required).

Mains Power Connection

1. Mains power connection requires the *Power Supply Unit* accessory. If you do not have this and would like to connect your unit to mains power, contact your Compact Scarecrow supplier.
2. The *Power Supply Unit* lead is connected to the *Power Input Plug* (marked **A** on the underside of the Master unit) using the socket that is on the end of the *Battery Connector Lead*. For solely mains power connection, the battery lead should be removed. If both battery and mains power is required, both leads can be connected to the socket.
3. Connect the *Power Supply Unit* lead as follows:
 - a. Undo the *Battery Connector Lead* socket using the *Control Adjustment Tool* to turn the inner locking ring anti-clockwise as shown in the photos below:



- b. Slacken off the gland at the base of the socket and slide the socket housing back on the cable until the cable connectors are accessible.
 - c. If battery power is not required, disconnect and remove the battery cable.
 - d. Feed the bare ends of the *Power Supply Unit* lead through the socket housing from the narrow end.
 - e. Look for the very small numbers, 1-4, at the base of each connection terminal.
 - f. Connect the *Power Supply Unit* lead so that the inner white sheathed (positive +) wire is connected to terminal 1 and the outer bare (negative -) wire is connected to terminal 4.
 - g. Ensure all terminal connections are tight and re-assemble the socket.
4. **Note: The *Power Supply Unit* is not waterproof. Locate in a damp-free place and ensure that the AC Mains power source is fitted with an overload protection device.**

Connecting the Compact 360 Master Unit to the Slave Unit (non solar)

To connect the Slave unit to the Master unit the *Master to Slave Connector Lead* needs to be wired into the socket end of the *Battery Connector Lead* so that both leads can be connected to the *Power Input Plug* (marked **A** on the underside of the Master unit). Do this as follows:

1. Remove the black cover from the *Solar Input Socket F* (see picture) and use it to undo the *Battery Connector Lead* socket by placing the back of the black cover into the inner locking ring of the socket and turning it anti-clockwise.



Compact Scarecrow - electrical connections

- Slacken off the gland at the base of the socket and slide the socket housing back on the cable until the cable connectors are accessible.
- Feed the bare ends of the *Master to Slave Connector Lead* through the socket housing from the narrow end.
- Look for the *very* small numbers, 1-4, at the base of each connection terminal.
- Connect the two bare wires to the two free connection terminals so that the Brown wire is connected to Pin 2 and the Blue wire is connected to Pin 3 (see photo below left).



Applicable to non solar version only



Both 4-pin plugs

- Ensure all terminal connections are tight and re-assemble the socket (see photo above right).
- Connect the end of the *Master to Slave Connector Lead* which now has the socket with the two wires protruding to the *Power Input Plug* marked **A** on the underside of the Master unit.
- Connect the other end of the *Master to Slave Connector Lead* to the *Power Input Plug* marked **A** on the underside of the Slave unit.

Connecting the Compact Solar Unit

The electrical connections for the Solar Unit are best completed after the metal parts of the *Base Frame* and the *Support Poles* have been assembled (see Page 6).

- Connect the Master Unit to the Solar Slave Unit using the *Master to Slave Connector Lead* supplied (see photo below). Connect the lead to the *Power Input Plug* (marked **A** on the underside of the both units).



4-pin to 4-pin (solar only)

- Connect the Solar Panel Lead (which comes with one end already connected to the solar panel) to the *Solar Input Socket F* on the underside of the Solar Slave Unit.
- Using the *Control Adjustment Tool*, insert this into the **POWER ON** aperture on the underside of the Solar Slave Unit and press gently until you feel a click. This will activate the system and illuminate the LED lights on the Master Unit (control point **B**).
- When supplied, the **CHARGING** LED on the Solar Slave Unit will flash. The flashing frequency is an indication of how much charge is in the solar battery.
- If the LED is not illuminated the solar battery is discharged and may need a 'kick start' using an external battery. Similarly, despite solar charging, a top-up charge may be needed in low light levels during winter months. This is done as follows:
 - Disconnect the *Master to Slave Connector Lead*, unplug the *Solar Panel* and connect the *Battery Connector Lead* to the *Solar Input Socket F* on the Solar Slave Unit.
 - Connect the battery terminal clips to a fully charged 12 volt battery of at least 30A/hr capacity.
 - After 1-3 minutes the **CHARGING** LED should flash to indicate the charge controller is active again. Keep charging for 5-10 minutes and then re-connect the unit's leads as before. If the LED does not continue flashing, repeat the procedure above.

Compact Scarecrow - control settings

Control Panel Settings

Test Mode

Before making adjustments to the Control Panel settings it is a good idea to set the unit to Test Mode. This is used to shorten the delay times between bird broadcast sequences for test purposes only. To do this, remove the plastic cover from control point **B** on the underside of the Master Unit (replace after adjustment). The *Mode Switch Block* will be as shown below.



The Test Mode switch is number **10** on the mode switch block. This switch should only be set to ON when making control panel adjustments and must be left in the downward OFF position after installation is complete. When set to ON, the following times apply:

- The random timer will run for 20-45 seconds in *Normal* mode or 10-30 seconds in *Reinforce* mode.
- The 60 second delay between individual bird sounds (pause timer) will be reduced to 10 seconds.
- The dusk delay will be reduced to from 1 hour to 1 minute.

Setting the Volume Level

Setting the Compact volume correctly is an absolutely critical factor in ensuring successful results with the unit. Any bird species will assume the bird distress calls to be false if they appear to be too loud or unnatural. The sound level needs to be such that the birds are aroused and agitated just enough to cause them to disperse. Background noise and the lie of the land can both affect how the sound travels so some trial and error may be needed initially to find the correct volume in each location where the Compact is used. Set the volume level as follows:

1. Remove the plastic cover to reveal control point **D** (replace after adjustment).



2. Use the *Control Adjustment Tool* to turn the small white screw in the centre of the blue volume switch (see above) from fully anticlockwise (which is zero volume) by roughly 10° intervals. The maximum volume is achieved when the screw is turned fully clockwise.
3. Always start the volume low and then gradually raise it over a period of time until it blends in with the level of natural sound in the vicinity. Our own trials found that setting the volume to 3 or 4 is most effective, but this was in a shallow valley. Flat land may require a slightly higher volume.

Compact Scarecrow - control settings

Setting the Ambient Light Sensor - for Dawn to Dusk operation only

Most bird pest species are active only during daylight hours, so the Compact is supplied with the Ambient Light Sensor pre-set. The unit will therefore shut down automatically during the hours of darkness. This has the added benefit of avoiding potential nuisance from the sound generated by the unit if it is located close to dwellings.

Note: The Ambient Light Sensor will not operate correctly if the unit is located in an area with artificial lighting, such as security lights.

As soon as the ambient light drops below the pre-set level a 60 minute count down will start and the yellow **DAY** LED will change from permanently lit to flashing on the *Mode Switch Block* (see picture on opposite page). During this time the Compact will still broadcast distress calls, to deter birds from roosting at sunset; after this has timed out, the unit will not broadcast until dawn, although any currently playing bird sequence will be allowed to finish.

At dawn, the light sensor will detect the ambient light level and will pause for 60 seconds before allowing the unit to start broadcasting again. The purpose of this pause is to prevent intermittent light pollution, such as car headlights, from interfering with dawn light detection.

Note: The Compact will not start broadcasting if powered up during darkness since the Ambient Light Sensor will activate and prevent operation until dawn.

To adjust the Ambient Light Sensor

It is not normally necessary to adjust the setting of the Ambient Light Sensor, but this can be done as follows:

1. Cover the sensor which is located at the top of the rectangular speaker on the left hand side of the unit (see picture below).
2. Remove the plastic cover to reveal control point **C** (replace after adjustment).
3. Use the *Control Adjustment Tool* to turn the small white screw in the centre of the blue light switch (see below) until the yellow **DAY** LED on the *Mode Switch Block* (see picture on opposite page) starts flashing.
4. Remove the covering from the sensor and the yellow **DAY** LED will now stay on continuously.



To over-ride the Ambient Light Sensor

In the very rare situation that the Compact is required to operate at night, the Ambient Light Sensor can be over-ridden as follows:

1. Refer to the *Mode Switch Block* (see picture on opposite page).
2. Set the light sensor over-ride switch **8** to the ON position.
3. Set the auto timer switch **9** to the OFF position.
4. Operation of the unit will only be possible by turning the power or battery supply on manually.

Compact Scarecrow - control settings

Setting the Bird Distress Calls

Refer to the *Mode Switch Block* shown below.



The six mini switches numbered 1 to 6 are used to select the bird distress calls to be broadcast. The normal allocation of bird species to each switch is as follows:

- | | |
|---|-----------------------|
| 1 | Herring Gull |
| 2 | Black Headed Gull |
| 3 | Starling |
| 4 | Rook |
| 5 | Crow |
| 6 | Pigeon (plus Jackdaw) |

To select the species required simply slide the appropriate switch to the ON position. Randomising the distress calls proves to be more effective at keeping the birds at bay for longer. For example, if your problem is pigeons in rape, we recommend that you select the rook and crow as well as the pigeon distress call to play at random throughout the day. Pigeons are particularly stubborn, so the pigeon distress call is reinforced with a 30 second jackdaw call at the end of the recording. All 3 crow species will predate the young of pigeons, so this gives added pressure on the pigeons to move.

When bird calls are being played the green **PLAY** LED will be lit but will flash during the 60 second pause between calls. Each programmed call will play for 90 seconds.

Control of other bird species

Only 6 bird distress calls can be loaded onto the Compact at any one time. However, for a small charge, any of the standard calls can be exchanged for another from an extensive library of calls. A possible requirement might be Canada Geese, and there are several options for deterring grazing by this group of species, or House Sparrows to keep them out of grain stores. The Mute Swan (as its name suggests) does not have any distinctive calls so cannot be included.

Setting the Distress Call Playback Sequence

The selected species will playback randomly under the automatic control of the in-built random timer. Switch **9** on the *Mode Switch Block* (shown above) should always be set to the ON position to ensure automatic random timing. The red **STATUS** LED will be lit when the random timer is on but will flash at night when the Ambient Light Sensor is activated and the dawn/dusk delays have expired.

Two automatic random playback sequences are available. When the *Normal* mode is selected, the random delay between each bird species playback sequence will be from 20 minutes to 45 minutes. To select *Normal* mode, switch **7** on the *Mode Switch Block* should be in the OFF position. *Reinforce* mode provides a random delay time from 10 to 30 minutes. To select *Reinforce* mode, switch **7** should be set to the ON position. To avoid species habituation *Reinforce* mode should only be used sparingly.

Compact Scarecrow - practical tips

Example of Playback Sequence

Assuming three bird distress calls are selected for broadcast randomly, automatically and during daylight hours the following would be the playback sequence:

Start

Compact plays one of the three programmed birds, randomly selected, for 90 seconds.

Pause for 60 seconds (no audio).

Plays one of the two remaining birds selected randomly for 90 seconds.

Pause for 60 seconds (no audio).

Plays the remaining bird for 90 seconds.

The delay timer starts running for a random time, between 20 minutes and 45 minutes.

Random delay timer ends

Sequence repeats from 'Start' above.

How often to move the Compact

If the Compact is moved too frequently, the birds don't associate the area with danger. Give the Compact a chance to do its job and, if necessary, move it weekly around an affected area. In our own trials, total control of pigeons was achieved for up to 3 weeks after moving the unit away to another part of the farm. Depending on the lie of the land and the severity of the problem, it may be necessary to move the unit several times to cover the whole of an affected area, or more units may be needed.

Coverage area of the Compact

The coverage area of the Compact in one location depends on factors such as the lie of the land, the presence of sound absorbing structures such as trees or hedges, sound reflecting structures such as buildings and walls, the mounting height of the unit, the air temperature, the direction of the prevailing wind and the wind speed. The use of the Slave unit, giving a complete 360° coverage, would obviously add to the effect of the 200° Master unit and give the most effective results.

In our own trials on a calm day in a shallow valley, rooks and crows up to 2 miles away lifted and were disturbed. In the same valley, a 200 acre block of rape was kept clear of pigeons from one Compact location. These are only examples; each situation will be different and an element of trial and error will usually be required with positioning, volume setting, choice of distress calls and frequency of re-positioning the unit before effective control is achieved. It is important to maximize the benefit of prevailing winds and to use these to enhance the distance that sound will naturally travel. If not considered when positioning the Compact, it could be that the wind will reduce the distance that the sound will travel, and hence the effective coverage of the unit

Effect on other animals such as horses and pheasants

The bird distress calls which are emitted are only recognisable as a threat to that particular species providing the unit is set up according to these instructions. To any other animal or person it is simply a natural bird sound and they are unlikely to be affected by it or to find the sound intrusive. However, there can be no guarantee that animals will not be affected or alarmed, especially if the sound level is set at an unnaturally loud level or the unit is located very close to animal enclosures or bridledways. It is the user's responsibility to ensure that all necessary precautions are taken to avoid any distress to animals.

Compact Scarecrow - technical help

Trouble Shooting

If, after following the set-up instructions, you are having difficulty getting your Compact to operate follow the step by step trouble-shooting guide below:

No LED's illuminated on unit?

Ensure the power supply is wired correctly or, if using battery power, that the battery has sufficient charge and is connected correctly as per the instructions on page 7.

No Sound, but LEDs illuminated?

Ensure Switch 9 in the *Mode Switch Block* is set to ON
Check the Volume Control (D) is not fully anti-clockwise.
Check that a slight buzzing sound can be heard from the speakers.

Red and Yellow LED Blinking.

This indicates the unit has gone into night mode. To resolve this:
With the power connected, turn the Ambient Light Sensor Control (C) fully clockwise. The yellow LED should now be on constantly.
Disconnect the power from the unit for 20-30 seconds
Re-connect the power and the red LED should now be off.

Red, Yellow and Green LED Blinking once every 3 seconds.

This indicates that the battery level is below 10v. To protect the battery, the unit will not operate below 10v. Normal operation will resume when the battery voltage exceeds 11v.

Technical Assistance and Service Requirements

For technical assistance with installing or operating your Compact unit, contact Martin Lishman Ltd as follows:

Tel: 01778 426600; E-mail: sales@martinlishman.com

We should be able to answer most questions or put you in touch with an experienced user. If we cannot help we will refer you to the manufacturers Scarecrow Bio-Acoustics Ltd.

Warranty: *Compact Scarecrow products are guaranteed for 12 months from the date of purchase against any defect or malfunction caused by faulty parts or workmanship. To claim under warranty, the complete unit or part should be returned, at the claimant's expense, to Martin Lishman Ltd or to Scarecrow Bio-Acoustics Ltd (as advised) with a written explanation of the problem. Should there prove to be a defect or malfunction caused by faulty parts or workmanship, it will be repaired or replaced and returned to the claimant without charge. If a warranty claim is rejected, the cost of replacement or repair will be notified to the claimant before any work is carried out.*

Any warranty claim will automatically be invalidated if the unit has been modified or internally tampered with in any way. The manufacturers will not cover under warranty damage or faults occurring to the unit which have been caused by inappropriate use or by use not in accordance with the installation and operating instructions for the unit.

Under no circumstances will Martin Lishman Ltd re-imburse any costs associated with a warranty claim if these costs have been incurred without agreement in advance. Under the terms of warranty for the unit under no circumstances will liability exceed the cost of replacement or repair.

Whilst the unique efficiency of Scarecrow bio-acoustic products is long established, Scarecrow Bio-Acoustic Systems Ltd stress that they can only work effectively as part of an overall and planned programme of bird control. Without limitation, the manufacturers Scarecrow Bio-Acoustics Ltd and Martin Lishman Ltd will not be liable for any consequential or indirect loss suffered by purchasers or users of the unit, whether this loss arises from correct or incorrect use, defect or malfunction caused by faulty parts or workmanship, poor equipment maintenance, failure of due diligence, lack of prior consultation or in any other way. Non-exhaustive illustrations of consequential or indirect loss are loss of profits, loss of contracts and damage to property.

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