

COMPACT

Integrated Bird Management System

LEADING THE WAY IN ENERGY EFFICIENT BIO-ACOUSTICS FOR AGRICULTURAL, URBAN AND RURAL ENVIRONMENTS



THE FIRST UK BIO-ACOUSTIC BIRD DISPERSAL PRODUCT POWERED BY RENEWABLE ENERGY



SOLAR COMPACT 1313

SCARECROW
BIO-ACOUSTIC SYSTEMS

KEEPING BIRDS AT BAY

What is COMPACT?

SCARECROW COMPACT is an integrated bird dispersal system designed for use in locations as diverse as fruit farms, crop fields, parks and other outdoor urban areas.

COMPACT is fully automatic and random play in use, will work 24 hours a day, 7 days a week without human intervention, and may be powered from 15v dc, 110V/250V ac mains supplies, or a leisure battery, fully maintained by Solar Panels.

COMPACT incorporates a well researched and trialled bio-acoustic bird dispersal system using natural species distress calls to create an environment appearing 'hostile' to birds.

COMPACT is very effective in dispersing birds, is humane, inoffensive and does not endanger their lives. Importantly, natural bird distress calls played back at a natural sound level are not intrusive and often remain unnoticed where the public is present. Proven technology unique to **SCARECROW**, means that birds will not habituate to a correctly operated system.



COMPACT 1311

The UK government estimates that it costs £15 billion each year to repair damage, clean up and dispose of the faeces of birds.

PROTECTION FOR | FARM LAND AND OTHER OPEN SPACES | CATTLE



MEMORIALS AND MONUMENTS | OFFICE AND COMMERCIAL BUILDINGS

At a glance

- Designed for use in agricultural, rural and urban environments
- Fully automatic and random play – no need for human intervention
- New 'green' environmentally friendly solar version unique in the market
- Payback likely in just one season
- Robust, maintenance free design
- Operational 24/7 or dawn to dusk – unlike birds of prey

Included distress calls

Herring Gull, Rook, Black Headed Gull, Crow, Starling, Pigeon.
(Alternative distress calls from our 60+ library can be programmed at extra cost. Please review our website.)

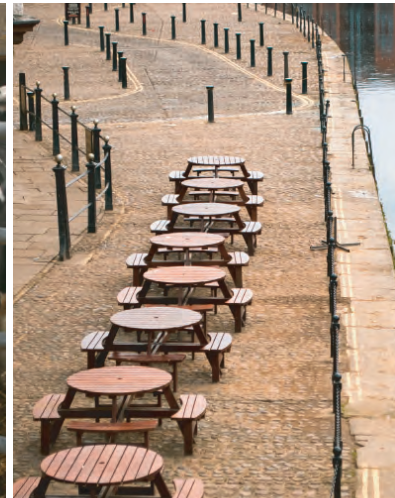


COMPACT 1312

The UK produces two million tonnes of oilseed rape annually worth around £240.00 per tonne today. A loss of 1% equates to £4.8 million and if birds weren't controlled at all, total arable losses would be very high. Guy Gagen, NFU

Gulls have become a major nuisance where expanding nesting groups have spread over several rooftops, causing fouling and the additional problems of noise and mobbing people.

E | CROPS | INDUSTRIAL AND BUSINESS PARKS | TOWN CENTRES | SUPERMARKETS | SHOPPING MALLS | LANDFILL SITES |



I | CIVIC AND PUBLIC BUILDINGS | HOSPITALS | CHURCHES AND CATHEDRALS | INDUSTRIAL AND BUSINESS PARKS | GOLF COURSES |

COMPACT is available in three basic versions

1311 – Providing 200 degree dispersal angle, wall or scaffold pole mounting.

1312 – This is a 'slave' version of 1311 designed to connect to 1311 to provide 360 degree dispersal; typical applications would be central placement in a crop field or suspension over a shopping mall, or within a warehouse.

1313 – A complete, portable system with 360 degree dispersal, fitted to a 2m pole mounted on a 1m square base. A Solar Panel, adjustable in angle, is included to enable the system to be independent of all external power supplies.

1311 and **1313** include a daylight sensor that can be programmed to cancel the playback sequence from DUSK to DAWN. In addition to normal random timed playback COMPACT can be set up to play when any bird movement is detected using the optional Infra Red sensor (P.I.R).

All controls, which are pre-set on installation, are housed within the IP66 rated enclosure. Use of solid state digital technology means there are no moving parts to maintain or replace, ensuring extreme reliability and long term high quality sound.



All controls preset on site

Scarecrow Bio-Acoustic Technology brings bird dispersal solution to National Trust property; St Michael's Mount

"For years we've had problems with starlings flocking on the island at certain times of the year. They are noisy and cause a lot of mess and, as we're a popular tourist attraction as well as being home to a living community, health and safety are a priority. This technology has worked wonders on the island."

Kate Waddon, Island Manager

COMPACT is one of a range of bio-acoustic bird dispersal products for all applications where birds cause nuisance or their presence raises health and safety issues. These include oil and gas platforms, airports, docks, harbours and farming.

COMPACT specification

DIMENSIONS (mm) | 350 wide x 180 depth x 230 height

WEIGHT | 4.5kgs nett, approx 5.5kg gross shipping weight

IP RATING | IP66

ENCLOSURE MATERIAL | Stainless steel seam welded and black power coated for maximum durability

POWER REQUIREMENT | 15v (14.8v fully charged battery) 3 Amp peak at maximum output, 80 mA quiescent. A plug top power supply, PSU/15v, is available for local 110v/250v ac supply powering

AUDIO OUTPUT | 25 watts maximum

FREQUENCY RESPONSE | Contoured for maximum efficiency over the general bandwidth of a bird distress call

CE APPROVALS | To 89/336/EEC

CALL PLAY DURATION | 90 secs, with 60 secs silence between each selected call

STANDARD CALLS INCLUDED (site selected) | Herring Gull, Rook, Black Headed Gull, Crow, Starling, Pigeon. *Alternative distress calls from our 60+ library can be programmed at extra cost. Please review our website.*

CALL PLAYBACK | Fully random with two 'speeds', NORMAL and RE-INFORCE for seasonal and migration periods

DAYLIGHT USE | Using the inbuilt light sensor to detect dawn and dusk, shutting down COMPACT 60 mins after dusk. Artificial light will not affect the sensor unless present for more than 60 seconds

SITE SET CONTROLS | Controls for bird selection, sound level, daylight saving etc are protected against unauthorised use/abuse

Whilst the unique efficiency of SCARECROW bio-acoustic products is long established SCARECROW BIO-ACOUSTIC SYSTEMS LIMITED stress that they can only work effectively as part of an overall and planned programme of bird control. This will include total hygiene management and where applicable the use of operatives who have been professionally trained. Without limitation, SCARECROW BIO-ACOUSTIC SYSTEMS LIMITED will not accept liability for any consequences as a result of poor equipment maintenance, misuse, inappropriate use, lack of operative training, failure of due diligence or through lack of prior project consultation.

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COMPACT order codes

1311 | COMPACT completely self contained, only requiring powering from selected source

1312 | COMPACT 'slave' for connection to 1311 to provide 360 degree dispersal

1313 | Fully integrated and independent portable system pole mounted and including a solar panel and battery

PSU/15V | 110v – 250v ac 50/60Hz 15v dc power supply with EU/UK plug top. Must always be installed in a dry indoor environment

Accessories and mounting hardware for COMPACT

1320 WALL FITTING | Pair of brackets for wall fixing 1311; template supplied

1321 COMPACT-TO-SLAVE LINK | Set of hardware, including central pole clamps to link 1311 to 1312

1322 U CLAMPS | Mates with 1320 to provide pole fixing for a single 1311 only

NOTE 1313 SYSTEM | This requires local purchase of 4x450m paving slabs, or equivalent, for installation stability

Possible area coverage

Area of coverage is environment and terrain dependant; a better understanding will be obtained from visiting our website or from the COMPACT Installation Guide, downloadable in PDF

1311 | 1,000sq metres, assuming symmetrical area

1311+1312 | 2,500sq metres minimum, up to 10,000sq metres, assuming symmetrical area and appropriate system placement

NOTE | Spl, 'A' weighted, @ 1m : 100dB max