

# Wailer

Deters birds and other problem species but keeps neighbours happy



- Protects up to 12 hectares with minimal running costs on a 12 volt battery.
- Suitable for aviation, industrial and agricultural use and in adverse conditions such as marine sites, aquaculture and tropical climates.
- A sweeping movement of constantly changing audible and ultrasonic sounds at distress call frequency.
- Environmentally friendly, fully programmable with separate day and night selection of operating sounds for use where noise abatement is a concern.
- Optional slave speakers for cordoning off an area or focussing where birds perch prior to feeding.



*Airports*



*Arable crops*



*Protecting National Grid*



*Soft fruit*



*Fish farm*

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**The Wailer** is a state of the art electronic bird deterrent. The Wailer creates a disturbing impression of a sweeping movement by switching different combinations of sounds from speaker to speaker sequentially in pairs through a 360° arc and at varying speeds. This prevents birds and other species such as deer and foxes getting any familiarity to the pattern. The unit comprises an electronic box mounted with a combination of ultrasonic and audio speakers and is powered by a standard 12 volt battery.

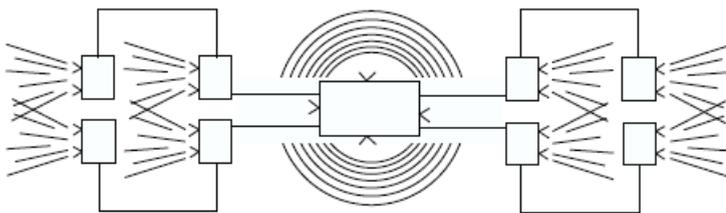
**The Wailer** is controlled by an external plug-in hand-held programmer, which can serve any number of master units with accuracy to the nearest second. The programmer determines:

- the duration of blast.
- the interval between blasts.
- the individual speaker blast time which determines whether the sounds have a 'rat-tat-tat' or long 'boom' effect.
- separate day and night selection between audio and ultrasonic - audio only or ultrasonic only.
- variable light sensor equipped with safety check which prevents accidental operation at night due to light sensor being activated by lightening, cars, fireworks or similar triggers.
- dusk delay.
- predawn automatic switch which can be set for minimal disturbance to neighbours in the early hours of the morning when birds first tend to feed, then switching to fully audible volume at more socially acceptable hours.

## Recommended Combinations

**Master Unit alone:** Ideal as a general purpose deterrent giving circular rotational sweeping movement of sound around the unit.

**Additional slave units:** On airport runways and in many industrial applications and intensive production situations such as aquaculture, viticulture and horticulture an area can be effectively cordoned off by a combination of rotational sound from the master unit and focussed sound from slave units which also add confusion to the birds as a result of sound



emanating from a number of directions. In a general arable situation the slave units give valuable extra protection when directed towards peripheral trees/ power lines where birds tend to perch before feeding. Slave units are available as end units with one socket or intermediate units with two sockets.

## Technical Specification

<b>Power</b>	12 volts/DC lead acid accumulator. 30 amp/hour minimum (small car battery) or 12 volt/2amp mains eliminator. Operating voltage 11.5-15 volts/DC Peak current consumption 1.55 amp. Average current during sound 1 amp. Standby 500 microamps. Polarity protected. Fused.	<b>Temperature</b>	-30°C to +90°C
<b>Sound output</b>	Ultrasonic: MaxSPL at 500cm 117dB(A). Audio/ultrasonic : Max SPL at 500cm 119dB(A)	<b>Blast Cycle</b>	Adjustable from 1 second
<b>Sound frequency</b>	3.5 kHz - 27 kHz	<b>Blast Duration</b>	Adjustable from 1 second
<b>Range</b>	12 hectares dependent on terrain	<b>Blast interval</b>	Adjustable from 16 seconds
		<b>Size</b>	Master Unit 320 x 280 x 190mm Slave unit 250 x 120 x 90 mm
		<b>Weight</b>	Master unit 2.2 kg Slave unit 0.8 kg
		<b>Construction</b>	Heat resistant polymer IP56 Slave Unit: Powder-coated die-cast aluminium.

**scaringbirds.com**  
**Wailer**

Scaringbirds.com Ltd  
Lower Upton  
Little Hereford  
Ludlow,  
Shropshire SY8 4BB  
UK

Tel: + 44 (0) 1584 711701  
Fax: +44 (0) 1584 711478

info@scaringbirds.com  
www.scaringbirds.com