



KEEPING BIRD DANGER AT A SAFE DISTANCE



Ketrop
birdcontrol
worldwide 



Ketrop  **.com**

Accidents

Collisions between birds and aircrafts happen unfortunately every day. To ensure a continuous safety for passengers and staff, airports are forced to invest in extensive security measures. **KETROP**, a Dutch company with a broad experience in the field of bird control in aviation and agriculture, is willing to provide a wide range of effective and animal-friendly solutions.

Habitat

Birds are attracted by the undeveloped airport surroundings. A habitat modification will attribute to the limitation of birds and wild. A very adequate method is to disrupt the food chain: removing seed-bearing plants, reducing number of insects, mowing the grass and removing brush and trees to avoid nesting and creation of bird shelters. Consequently, a reduced bird population will lead to a decrease of their predators.

Prevention

Without preventive measures a habitat modification will not be sufficient for a safe air traffic.

To keep away the birds one needs to address the bird's behaviour.

As it is impossible to have a permanent presence of human beings and dogs at the surroundings of the airport, a very effective method is the use of incentives that scare birds away: intense light beams and unpleasant sounds at unexpected moments.

Combinations

Birds get used to repetitive habits and actions. **KETROP** can give you the best advice about the ideal combinations of bird control products and how to vary it.

OUR PRODUCTS

KETROP attaches great importance to an effective variation of bird control methods.

Therefore, we offer a wide range of durable, high quality bird control products. Besides you will find a selection from our assortment of bird control products that are very appropriate for use in airport surroundings.

WWW.KETROP.COM

WWW.BIRDCONTROLWORLDWIDE.COM

LASEROP 3.0

Handheld Laser



The **LASEROP 3.0** is specifically designed for the professional user who wants to chase the birds away from places where sonic or other products are not such a good option.

The **LASEROP 3.0** is an effective device against bird nuisance of various bird species in diverse situations. After our extensive testing, it was distributed to many of our customers and they have assessed the **LASEROP 3.0** as particularly effective and user-friendly.

Various tests have shown that the green laser beam caused a negative sensation to many birds, like the effect of being hit by a stick. A traumatic experience which makes the bird fly immediately when the beam appears again.

In this way the **LASEROP 3.0** is extremely effective, especially in combination with the ergonomic **handle***. For more than ten years now, bird control units in airports prefer to use the **LASEROP**.

With a range of over 2,000 metres, the **LASEROP 3.0** is a thrill in its class. Extremely effective in the morning and evening, when birds are mostly active. Evidently, also well usable on dark days.

In case a **target scope*** is being used on clear days, the effect will be increased. The laser beam can be easily adjusted from large to small and will be supplied in a case with a rechargeable battery and charger.

LASEROP 3.0 can be used at...

- fruit orchards
- airports
- warehouses
- cattle sheds
- agricultural parcels
- industrial estates

... and is effective against:

- geese
- ducks
- gulls
- starlings
- corvids
- woodpigeons
- collared doves
- blackbirds
- cormorants

Dimensions hand-held laser:	22,5 x 5 cm
Weight hand-held laser:	300 grams
Dimensions case:	30 x 11 x 23 cm
Total weight:	1,8 kg
Beam reach:	over 2,000 metres
IP-classification:	52

**Target scope and handle are available as accessories. Below you will find the appropriate accessories for this article:*



015 Reddot with assembly aid



**015/1 Target scope 4 x 32
with assembly aid**



015/2 Handle with assembly aid

LASEROP

AUTOMATIC 160

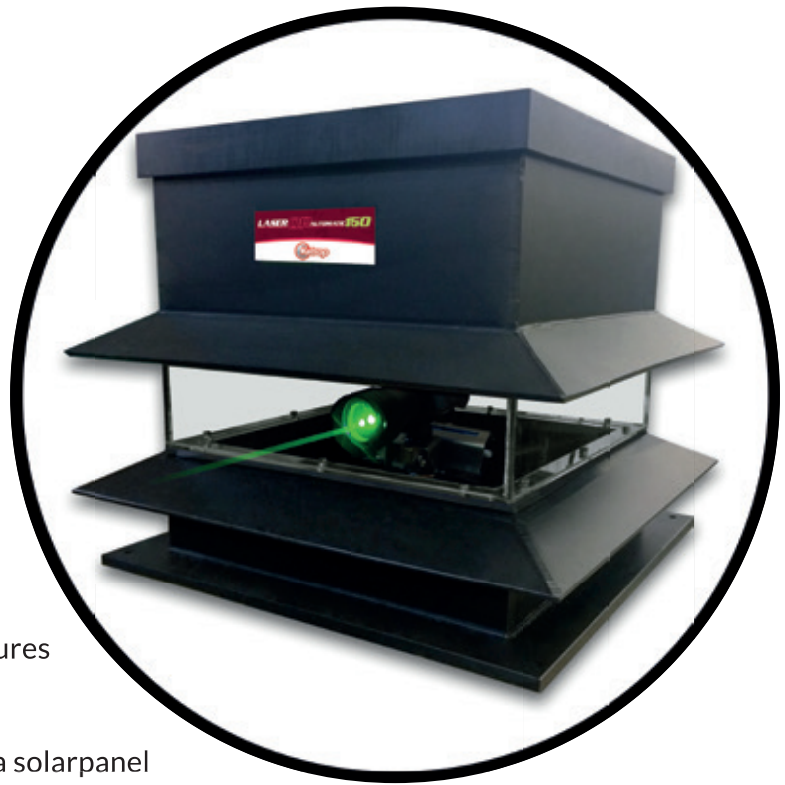
The **LASEROP AUTOMATIC 160** is a fully automatic device that scares birds away with a laser beam.

With a range of more than 2,000 meters the **LASEROP AUTOMATIC 160** excellently chases birds such as wood pigeons, crows, gulls, geese and ducks; mainly in the morning, evening and on cloudy days. No nuisance for your neighbours at the early and late moments of the day!

On airports the **LASEROP AUTOMATIC 160** can be used to keep the airstrip and surrounding areas free from birds.

The unit is weatherproof; it can operate in temperatures from -10 to + 45 ° C.

LASEROP AUTOMATIC 160 functions perfectly with a solarpanel connected, also during the winter period.



The strengths of the LASEROP AUTOMATIC 160 are:

- Simple settings, plug-and-play, no PC connection required!
- A perfect horizontal swing over the field.
- The attractive price of the device.

Power supply: 12V

Options:

- 12V battery, eventually with a solar panel on a stand.
- 230V AC adapter with cable and plug.

Dimensions: 55 x 55 x 50 cm.

Weight: 17 kg.

Material: black polyethene.

LASEROP

AUTOMATIC 200

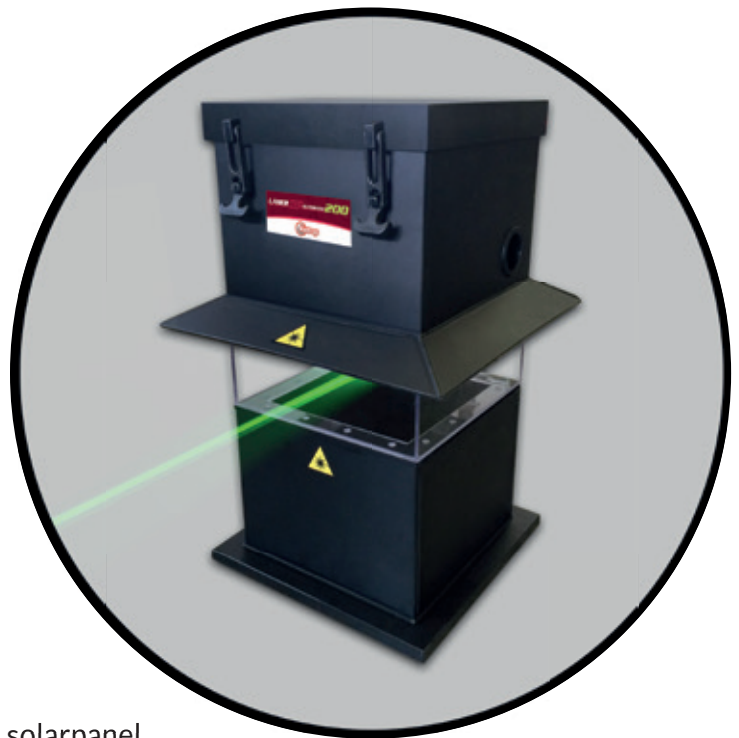
The **LASEROP AUTOMATIC 200** is a fully automatic device that scares birds away with a laser beam.

Automatically the laser beam moves both horizontally and vertically. Ideally suited for bird control applications operated from an higher level, for keeping an area or building bird-free.

On airports the **LASEROP AUTOMATIC 200** can be used to keep the airstrip and surrounding areas free from birds.

In agriculture and horticulture the **LASEROP AUTOMATIC 200** is effective against geese, ducks and corvids. In fruit orchards against wood pigeons, corvids and titmice, on a factory- or apartment building against gulls.

LASEROP AUTOMATIC 200 functions perfectly with a solarpanel connected, also during the winter period.



How does it work?

In a quick and simple way, using pushbuttons, you can set up the maximum beam range and then the **LASEROP AUTOMATIC 200** will do the job by itself. In a few minutes the **LASEROP AUTOMATIC** will be ready for use. No PC connection required.

Power supply: 12V

Dimensions: 46 x 46 x 70 cm.

Weight: 22 kgs.

Material: black polyethene. Inside: stainless steel

Options:

- 12V battery, eventually with a solar panel on a stand.
- 230V AC adapter with cable and plug.

SCARECROW 180™ AND SCARECROW 360™

Fully automatic bio-acoustic bird dispersal system



SCARECROW 180™ is a well researched bio-acoustic bird dispersal system using natural species distress calls to create an environment appearing 'hostile' to birds.

It is intended for use anywhere that birds present a hazard to health and safety, or are a plain nuisance.

SCARECROW 180™ is a fully automatic, standalone, random play system that is able to work without human intervention. It can be powered from 15v DC (100v/250) ac mains power, leisure battery, or solar power.

There is a built in key pad to control the settings on the system, and it has an optional security pin access feature for additional safety. It is fitted with a built-in adjustable light sensor and includes 10 standard distress calls. **SCARECROW 180™** provides 180 degree dispersal for use in a wide range of diverse locations, and when coupled with a **SCARECROW 360™** 'slave' unit creates a system that provides 360 degree dispersal. This can be mounted on a 1m or 2m pole that sits on a base.

Both the **SCARECROW 180™** and **SCARECROW 360™** has 3 built-in speakers, and by using variable volume and alternation between the speakers creates a natural perception of predator movement.



SCARECROW 180™ TECHNICAL INFORMATION

System includes: Main unit, Power Supply (mains / battery), U clamp for pole mounting

Controls: Key pad control for Power on / off, volume up / down, light sensor, re-enforce and severe broadcasting, and distress call selection

Distress Calls: 10 standard calls: Herring Gull, Black Headed Gull, Starling, Rook, Crow, Pigeon, Jackdaw, Canada Goose 1 & 2, Birds of Prey (Call exchanges available)

Power Requirements: 12-15vdc, 100-250vac (12v 80Ah Leisure Battery), or solar power (Solar powering this requires the purchase of our Solar Option)

Dimensions: 340 x 220 x 250mm

Weight: 7 Kgs

Mounting Bracket: 50mm U Clamp for mounting on scaffold pole, or units can be wall mounted

IP Rating: IP55

Audio Output Power: 25 watts

Effective Operating Distance: **THE SCARECROW 180™** can cover up to 20,000 sqm (dependent on wind direction and ambient conditions). When adding the **SCARECROW 360™** "slave" unit, this increases to up to 40,000 sqm.

SCARECROW PATROL 2

Hand-held bio-acoustic dispersal and control



SCARECROW is perhaps the largest specialist and the acknowledged leader in bio-acoustic bird control technology, the reason why their products are 'preferred' by airport and airfield operators and at other strategic sites; anywhere that the presence of birds can present a safety or health hazard.

SCARECROW PATROL TWO represents an evolutionary development in bioacoustic bird dispersal and control, designed for use anywhere that accurate and effective bird control is required small airfields, beaches, at sea, landfill sites, bridge structures, public buildings, docks and harbours, fruit farms and agriculture, food processing and storage facilities, outdoor restaurants.

SCARECROW PATROL TWO is fully portable, hand held, and contains nine digitally stored distress calls; additional species options can be included to special order.

SCARECROW PATROL TWO is completely self-contained, includes shower proof carrybag with a zipped compartment for spare batteries and is supplied with a comprehensive operator's manual.

Each call is selected by a simple rotary switch; the benefits of digital storage are uniquely strengthened by the fact that each distress call is reproduced with excellent fidelity from its natural start.

In addition, **SCARECROW PATROL TWO** can be used as an attention-getting 'whistle' and for 'live' voice messaging, with a range of up to 350 metres.

SCARECROW PATROL TWO is a development of the original **SCARECROW** products used at civil and military airports, designed for use in those locations where a fixed system is not suitable and daily hand held manual operation would not create any issues.

Facilities:

- a) Playback of bird dispersal calls
- b) Live voice announcements
- c) Attention getting whistle

Power Output: 15 watts, 20 watts peak; effective S.P.PL@ 10m: 101 dBA

Effective Operational Distance: Approximately 300 meters, influenced by ambient temperature, wind direction, use of output power and reflection from surrounding obstacles

Power Source: 6 'C' size primary alkaline (9 volt total)

Battery life (approx): Voice and bird distress functions: In excess of 36 hours for normal intermittent use (this is about 120 days of average use)

Whistle: Intermittent use totalling 90 minutes

Physical dimensions: 210mm max horn diameter, 320mm total length

Unit weight: 1.5 Kg including power cells

Controls: Operational trigger – start of selected use
Select – bird dispersal or voice announcement use
Sound level adjustment Push button, overriding, whistle

Bird Distress Calls: 9 standard calls: Herring Gull, Common Gull, Black Headed Gull, Lapwing, Starling, Rook, Magpie, Pigeon and Crow (*Call exchanges available*)

SCARECROW GOOSE PATROL

The Scarecrow Goose Patrol is physically identical to the Scarecrow Patrol, but contains four effective Canada Geese calls, together with those of Herring Gull, Black Headed Gull, Starling, Rook and Pigeon. The Goose Patrol has the same technical specification as above, and the order code for this product is 1309.

BIRDYELL HAND

WWW.KETROP.COM

Hand-operated sound device for scaring birds using fear and distress calls. Sounds from different birds are included, e.g. starling, crows and gulls. Each sound is selectable, so you can choose the sound of the present birds, after you play the sound it will cause agitation among the birds, so they will consider the area unsafe and will leave.

Use the device regularly at different times.

Very suitable for agricultural farms, orchards, airports, warehouses etc.

The **BIRDYELL** is easy to operate and is powered by 8 AA batteries or a normal 12 volt battery.

The **BIRDYELL** is equipped with a 10-watt speaker, which has an effective range of more than 200 meters.



Specifications:

Size: 10 x 14 x 20 cm

Weight: 0,8 kg without batteries

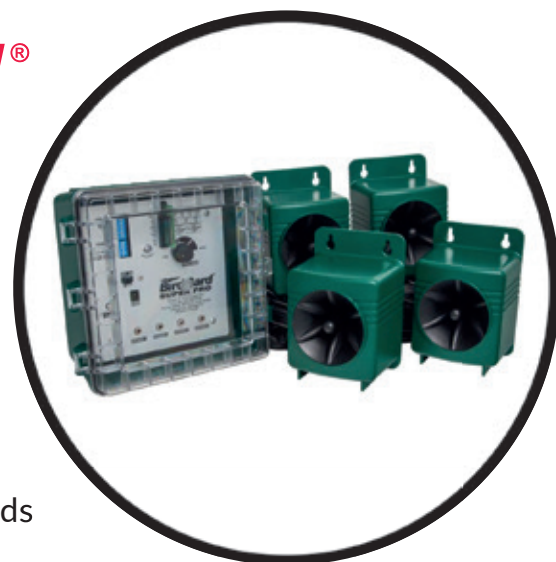
Power: 10 x AA battery or 12 volt car battery

Speaker: 10 W

Frequency: 20Hz-20Khz

IP-rating: 55

Bird Gard[®] PRODUCTS



Bird Control for Airports, Hangars and Airfields

Swarming birds near runways pose a serious danger to approaching aircraft. Our sophisticated species-specific electronic distress, danger, predator, and harassment sounds keep take-off and landing zones free of dangerous birds:

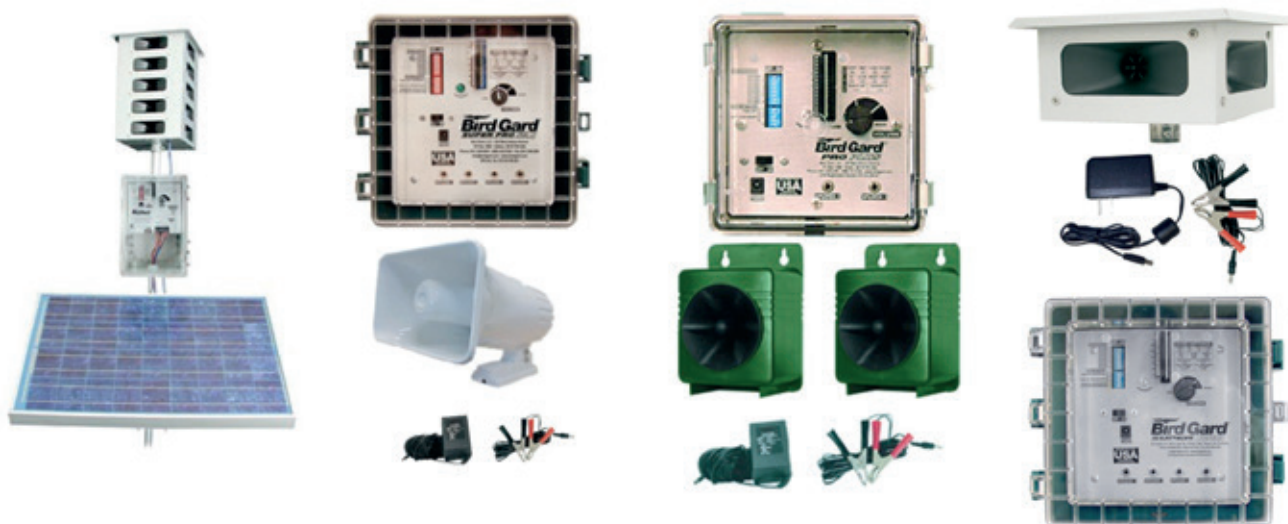
- Unlike simple harassment devices such as propane canons and pyrotechnics, which only temporarily startle or annoy the birds, **BIRD GARD** products repel them and prevent them from returning.
- **BIRD GARD** units are effective against multiple species of pest birds.
- **BIRD GARD** units operate independently of other electronic equipment in use at an airport.

Effective Bird Repellent

By using digital recordings of species specific distress and alarm calls, along with the sounds of pest bird's natural predators, **BIRD GARD** creates an effective sound barrier. The sounds are broadcast through high fidelity, weatherproof speakers. Contact **BIRD GARD** today to find the **BIRD GARD** model that is best equipped for your airport or hangar where pest birds are a problem.

Electronic Bird Control

BIRD GARD units are designed to effectively and permanently remove pest birds from airports and hangars. A built in microprocessor in our electronic bird control units continually randomizes the order the sounds play and the relative pitch of each bird sound, to give the impression many birds are in distress in the **BIRD GARD** protected area. This random technology prevents birds from becoming habituated and keeps birds away from airports year-round.



Purivox TA-RC System

Triplex Airport - Radio Controlled



The Purivox TA-RC System is an airport bird control gas cannon which can cover an area up to 80.000 sqm.

By the shape of a triangle and the three blast tubes located on each side of the device it is possible to cover up 360° degrees around the Purivox TA-RC System. This advantage makes the Purivox TA-RC System best for use to cover up larger areas.

Due the low design it is possible to use the device near the runway. The radio remote control of the Purivox TA-RC System is done using the Purivox TX-H1 remote controller.

With the free programmable electronic box located inside of the Purivox TA-RC, many settings are usable such as volume level, group programming, day/night mode,...

The Purivox TA-RC System is with the stainless steel case fully weatherproof. The pulverized blast tubes have a long durability but can be also changed by fully stainless steel blast tubes.

Advantages of the Purivox TA-RC System

- Good for covering huge areas
- Reliable
- Cost effective
- Easy to use
- Hardly any maintenance
- Weatherproof
- No moving parts
- Free programmable
- High radio range

Construction height:	60 cm / 23 inch
Side length:	120 cm / 47 inch
Space required:	Ø 130 cm / Ø 51 inch
Power supply:	12 Volt Battery + Solar panel
Gas cylinder:	Lying horizontal / LPG forklift gas cylinder
Radio frequency:	868 Mhz
Material:	Stainless steel

Protected area: **80.000 sqm**

Purivox DA-RC System

Double Airport - Radio Controlled



The Purivox DA-RC System is an airport bird control gas cannon which can cover an area up to 60.000 sqm.

With the special arrangement of the two blast tubes on each side of the device it is best usable to protect areas along the runway against birds. Especially for smaller airports and airports with long runways the Purivox DA-RC System is the best solution for a successful bird control.

Due the low design it is possible to use the device near the runway. The radio remote control of the Purivox DA-RC System is done using the Purivox TX-H1 remote controller.

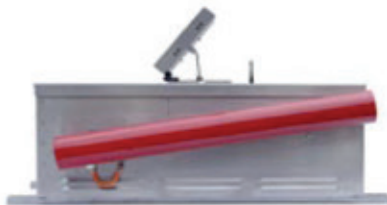


With the free programmable electronic box located inside of the Purivox DA-RC, many settings are usable such as volume level, blast setting, group programming, day/night mode,...

The Purivox DA-RC System is with the stainless steel case fully weatherproof. The pulverized blast tubes have a long durability but can be also changed by fully stainless steel blast tubes.

Advantages of the Purivox DA-RC System

- Good for covering along the runway
- Reliable
- Cost effective
- Easy to use
- Hardly any maintenance
- Weatherproof
- No moving parts
- Free programmable
- High radio range



Construction height:	60 cm / 23 inch
Side length:	120 cm / 47 inch
Side width:	50 cm / 20 inch
Power supply:	12 Volt Battery + Solar panel
Gas cylinder:	Lying horizontal / LPG forklift 11kg gas cylinder (not included)
frequency:	868 Mhz
Material:	Stainless steel

Protected area: 60.000 sqm

Purivox CA-RC System

Carousel Airport - Radio Controlled



The Purivox CA-RC System is an airport bird control gas cannon which can cover an area up to 80.000 sqm.

Caused by the recoil and the rotatable mounted of the blast tube the Purivox CA-RC System covers 360° degrees around the device with only one blast tube. With each shot of the 3-way blast the blast tube will rotate 1/3 further. Due the compact and lightweight design (37kg without gas cylinder) the Purivox CA-RC System is best suited for mobile use at different locations as a "pressure tool".

The radio remote control of the Purivox CA-RC System is done using the Purivox TX-H1 remote controller.

With the free programmable electronic box of the Purivox CA-RC, many settings are usable such as volume level, number of blasts, group programming, day/night mode,...



Advantages of the Purivox CA-RC System

- Good for bigger areas and easy to move
- Reliable
- Cost effective
- Easy to use
- Hardly any maintenance
- Weatherproof
- Free programmable
- High radio range

Construction height:	110 cm / 43 inch
Space required:	Ø 140 cm / Ø 55 inch
Cabinet dimensions:	45 x 35 x 86 cm / 18" x 13" x 34"
Power supply:	12 Volt Battery + 2 W Solar panel (optinal 5.5 W)
Gas cylinder:	LPG 11 kg gas cylinder
Radio frequency:	868 Mhz
Material:	Stainless steel

Protected area: **80.000 sqm**

Article number 032

SCATTERBIRD

GAS CANNON MARK 4



This gas gun has been designed and developed to incorporate ALL the features requested by farmers over the past 32 years.

The **SCATTERBIRD MK4** is the next generation of gas powered bird scarers. Like its predecessor, the **SCATTERBIRD MK4** is a sturdy, purpose built bird scaring gas gun designed specifically to meet the needs of the farmer. The **SCATTERBIRD** range has for many years set the industry standard for durability.

The newly designed **SCATTERBIRD MK4** incorporates many innovative features, including the use of UV stabilised, impact resistant polypropylene for the casing, and improved performance with the added feature of controlling the **SCATTERBIRD MK4** by Bluetooth from an iOS or Android smart device.

SPECIFICATIONS:

Sizes 105 x 50 x 90 cm.

Weight 15 kg.

Loudness: above 150 dB at 5 meter.

Area cover up to 50,000 sqm.

Power: 12 volt battery.

Works on Propane gas.

A superb all-weather piece of equipment, the **SCATTERBIRD MK4** provides excellent value for money and uniquely high performance.

To operate the **SCATTERBIRD MK4** you will require a 12 volt battery and a cylinder of propane gas (any size of propane cylinder is suitable for use).

Use of an optional internal 12 volt battery (not included) is recommended to keep the wiring away from vermin and prevent flood damage to the battery and wiring.

The **SCATTERBIRD MK4**'s plated stainless steel legs raise the unit off the ground and allow the full force of the "BANG" to be heard with maximum effect.

- Control your **SCATTERBIRD MK4** from your iOS or Android device
- Unique pin number prevents theft - can't be used by others
- Specific day to day programming of all features tailored to your requirements
- Adjust the loudness of the bang for built-up areas
- Select/programme individual days gun on or off
- Choose start and finish times each day - app automatically displays sunrise and sunset each day
- Manage up to 300 **SCATTERBIRDS** with different programmes from one phone
- Program from the comfort of your home - then go to field to activate
- Ergonomic carry design

GUARDIAN-2 AND GUARDIAN-2 SINGLE ROTARY

GUARDIAN-2 STANDARD GAS CANNON

The **GUARDIAN-2** models run on butane or propane gas, with which they can create loud explosions scare away birds, boars, deer and any other animal that might be a possible danger.

The explosions can be programmed to go off regularly, from every minute to every half hour, and the volume of the explosions can also be adjusted using the telescopic canon, within a range of 80 to 120 decibels.

The area that the bird scarers can protect is 3 to 4 hectares, depending on the type of animal and the terrain.

The machine activates with a piezo-electric electronic system; the rest of the machine is mechanical, which makes it highly reliable and minimises possible faults or problems.

The entire machine is zinc-plated so that it can withstand bad weather conditions. Producer has more than 60 years' experience manufacturing and exporting these products, which is why we are able to offer the highest quality and very effective method .

GUARDIAN-2 SINGLE ROTARY GAS CANNON

The most effective model, thanks to its automatic rotation system, changes the direction of the explosions by about 90° for each explosion. The tripod lifts the machine up to 1.50 metres, providing greater propagation of sound and thus covering and protecting a larger area.



SPECIFICATIONS GUARDIAN-2 STANDARD:

Size: 105 x 20 x 30 cm
Weight 8,3 kg
Area cover up to 4 ha.

SPECIFICATIONS GUARDIAN 2- SINGLE ROTARY:

Size 105 x 20 x 150 cm.
Weight 18 kg
Area cover up to 6 ha

BOTH UNITS:

Loudness: 120 dB
Works on propane



SCAREYMAN

The Scarey Man® Mark III Model

The **SCAREY MAN®** is an excellent pest and predator control device for use in a wide range of situations. Using a unique combination of sound and movement, he strikes fear into his target prey and keeps them away for longer periods than 'conventional' control devices.

The **SCAREY MAN®** is used in agriculture to deter birds and predators. Protecting young crops from damage (such as pigeon damage in Oil Seed Rape) is no problem, and by keeping pests away **SCAREY MAN®** can pay for himself very quickly. Field scale crops of all kinds (arable, vegetable, ornamental etc) can be protected as can orchards and vineyards. Livestock are also protected by **THE SCAREY MAN®**, as are fisheries where herons, cormorants and other fish-eating birds need to be deterred.

Whilst the **SCAREY MAN®** was designed originally for agriculture his use has quickly spread into a multitude of other areas. For example he is used in airports to keep runways clear, and on commercial and residential properties to prevent fouling by pigeons and other birds.

- ***A unique scarer***
- ***Electronically operated***
- ***Inflates to a commanding height***
- ***Displays and collapses on a controlled time basis***
- ***Emits loud noise on display and illuminates for night work***
- ***Effective with or without sound***
- ***Displays about every 18 minutes for 25 seconds and rises and falls while displaying***

Scarey Man® Features

The entire operation can be automatically controlled to the hours of daylight or darkness by light sensor. Powered by a 12 volt battery fitted inside or outside the base unit impervious to most weather conditions.

Basic Day Model

- Orange and White in colour
- Height 165 cm
- Daytime display for 25 seconds every 18 minutes
- Switches off at night
- Long service life - with replaceable plastic man.



Required

12v battery (recharge every 14 days) - can be fitted inside or outside base

Model Options

Option 1 - Day/night special unit - designed for use on yachts etc.

Option 2 - Basic day unit - with light sensitivity feature for use on dull and foggy days. Generally used to scare pigeons, crows and other birds.

Option 3 - Multi-use day/night/24 hour unit - to control, in addition, rabbits, deer, badgers etc

All models feature a low battery indicator light.

Specifications:

Size: 41 x 32 x 165 cm

Weight: 7 kg

Power: 12 volts car battery

IP-rating: 66

[**BLACK**] **HAWK KITE**



- *It moves, soars and dives like a real hawk.*
- *Starts to fly even in the slightest breeze.*
- *Standard with 7-metre fibreglass flag mast, it will then fly to a height of 12 meters.*
- *Also available with 13,5 -meter aluminium mast, it will then fly to a height of 25 meters.*



Protects:

- Agriculture
- Urban areas
- Buildings
- Terrace
- Roofs
- Allotment gardens
- Orchards
- Vegetable gardens
- Lawn
- Flowerbeds
- Car park
- Gardens
- Landfill sites

- A realistic fake hawk.
- Flies almost 2x the height of the mast.
- Exploits the instinctive flight behaviour of animals when they see a hawk.
- Extremely effective and quiet.
- Easy to assemble and no further costs.
- Hawk Kites are made by hand.

Specifications:

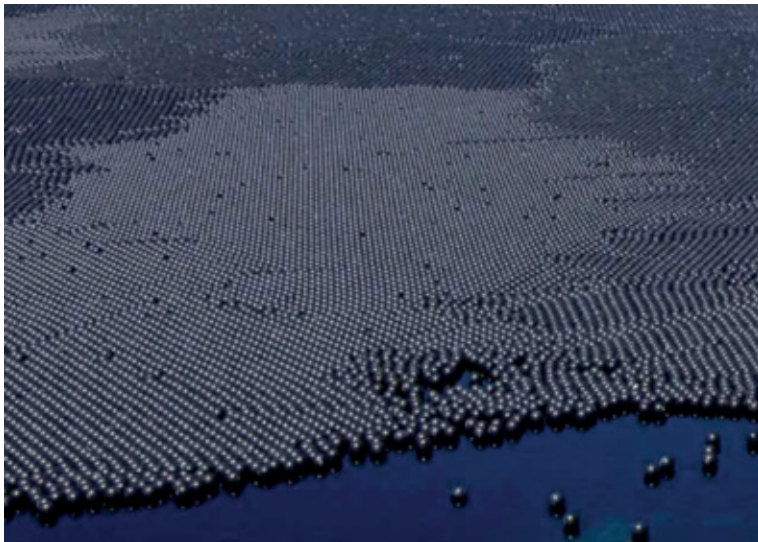
Kite size: 140 x 80 cm
Weight: 80 grams
Glasfiber mast: 7 meter
Weight: 2 kg

Option:

Aluminium mast 13,5 meter
Weight: 9 kg
or
Aluminium mast 8,5 meter
Weight: 6 kg

AIRPORT / AIRFIELD BIRD BALLS

RESERVOIR BALLS cover bodies of water and serve as bird deterrent- decreasing bird strikes



Bird strikes are a serious problem at commercial and military airports worldwide. Birds entering the flight path impose serious safety and financial risks- the FAA estimates that bird strikes cost civil aviation hundreds of millions of dollars per year.

Need to deter waterfowl from entering a reservoir near runways, so they do not nest or land in the water?

RESERVOIR BALLS are the best bird deterrent. By camouflaging the water pond, birds will not recognize it as a source of water.

The balls will cover about 90% of the surface area of a body of water or other liquid.

RESERVOIR BALLS are called bird balls, bird deterrent balls, shade balls, reservoir balls, floating ball blankets.

MAINTENANCE FREE & EASY INSTALLATION

Easy to install- just drop them in the water, pond, or tank.

They'll go to work immediately, providing 24/7 coverage regardless of the liquid level.

They naturally rise and fall, restacking themselves and conforming to the exact shape of your reservoir.

RESERVOIR BALLS will double stack in low water levels and single stack with high water levels.

Long-lasting, typical 10 year lifespan or greater ball construction.



Specifications:

Material: Black, UV stabilised

Diameter: 100mm (4")

Unaffected by snow

Surface Coverage: 116 Bird Balls per sqm (10 per ft²)

Nominal weight: 40g (air filled), 240g (water filled)

Reduces Water Evaporation

SIGNAL PISTOLS



26.5MM SIGNAL PISTOL

A re-usable single shot pistol, it is chambered to be used with 26.5mm (1") signal cartridges in the process of localised signalling, and with a suitable adaptor can also fire 12 Gauge Bird Scaring Cartridges.

The pistol is constructed of a chemically blacked steel for lightness and durability. It incorporates a single action trigger mechanism and can be held and made ready for loading with one hand as the breech opening is conveniently located on the side of the pistol body. An extractor enables easy removal of the adaptor and cartridge case. The pistol handle contains a plastic grip on each side and a lanyard attachment for extra security. Each pistol is uniquely serial numbered.



38MM SIGNAL PISTOL

A re-usable single shot pistol, it is chambered to be used with 38mm (1.5") signal cartridges in the process of localised signalling. If fitted with suitable adapters, it can fire 26.5mm (1") signal cartridges or 12 Gauge Bird Scaring Cartridges.

The pistol is constructed of a chemically blacked steel for lightness and durability. It incorporates a single action trigger mechanism. It can be held and made ready for loading with one hand as the breech opening is conveniently located on the side of the pistol body. An extractor enables easy removal of the adaptor and cartridge case. The pistol handle contains plastic grip on each side and a lanyard attachment for extra security. Each pistol is uniquely serial numbered.

SIGNAL PISTOL CARTRIDGES

12 GAUGE



STANDARD

The Standard Range Cartridge produces a loud report. The Cartridge comes in a red plastic case with a black top and has a range of 40m ± 10m (depending on environmental conditions) when fired at a recommended angle of 30°.

PRODUCT DETAILS	
RANGE	40m ± 10m
EFFECT	Loud Report
SHELF LIFE	5 Years



SCREECH

The Screech Cartridge fires a sub-calibre projectile emitting a high pitch screech during flight. The Cartridge comes in a red plastic case with a green top and has a range of 70m ± 10m (depending on environmental conditions) when fired at a recommended angle of 30°.

PRODUCT DETAILS	
RANGE	70m ± 10m
EFFECT	Screech
SHELF LIFE	5 Years



LONG RANGE

The Long Range Cartridge produces a loud report. The Cartridge comes in a red plastic case with a white top and has a range of 70m ± 10m (depending on environmental conditions) when fired at a recommended angle of 30°.

PRODUCT DETAILS	
RANGE	70m ± 10m
EFFECT	Loud Report
SHELF LIFE	5 Years

SIGNAL PISTOL CARTRIDGES

12 GAUGE



EXTENDED RANGE TRACER

The Extended Range Cartridge produces a slight green tracer and smoke trail during flight with a loud report. The Cartridge comes in a red plastic case with yellow top and has a range of 80m \pm 10m (depending on environmental conditions) when fired at a recommended angle of 45°.

PRODUCT DETAILS

RANGE	80m \pm 10m
EFFECT	Loud Report
SHELF LIFE	5 Years



4B EXTENDED RANGE TRACER (RAIN RESISTANT)

The Extended Range Cartridge produces a slight green tracer and smoke trail during flight with a loud report. The Cartridge comes in a red plastic case with a foil top to make it rain resistant and has a range of 80m \pm 10m (depending on environmental conditions) when fired at a recommended angle of 45°.

PRODUCT DETAILS

RANGE	80m \pm 10m
EFFECT	Loud Report
SHELF LIFE	5 Years



T-LESS BLANK

The round consists of only a primer and a white top card. The 12 Gauge T-Less Blank is supplied in a green plastic cartridge case.

PRODUCT DETAILS

RANGE	N/A
EFFECT	Loud Report
SHELF LIFE	5 Years

SHOTGUN CARTRIDGES

12 GAUGE



LONG RANGE NITRO

The Long Range Nitro Cartridge produces a loud report. The Cartridge comes in a red plastic case with a white top and has a distance of 70m \pm 10m (depending on environmental conditions) when fired at a recommended angle of a 30°.

PRODUCT DETAILS	
RANGE	70m \pm 10m
EFFECT	Loud Report
SHELF LIFE	5 Years



SHOTGUN SCREECH

The Shotgun Screech Cartridge fires a sub calibre projectile emitting a high pitched screech and smoke trail during flight. The Cartridge comes in a black plastic case with a yellow top and has a distance of 70m \pm 10m (depending on environmental conditions) when fired at a recommended angle of a 30°.

PRODUCT DETAILS	
RANGE	70m \pm 10m
EFFECT	Screech
SHELF LIFE	5 Years

HIGH PERFORMANCE ICARUS 12G™



The Icarus 12G™ Cartridge produces a slight green tracer and smoke trail during flight with a loud report. The Cartridge comes in a black plastic case with a yellow top and has a range of 115m \pm 10m (depending on environmental conditions) when fired at a recommended angle of 45°. With its market leading performance characteristics, the Icarus 12G™ Cartridge is a powerful solution for any bird scaring requirement. The cartridge is designed for use in signal pistols.

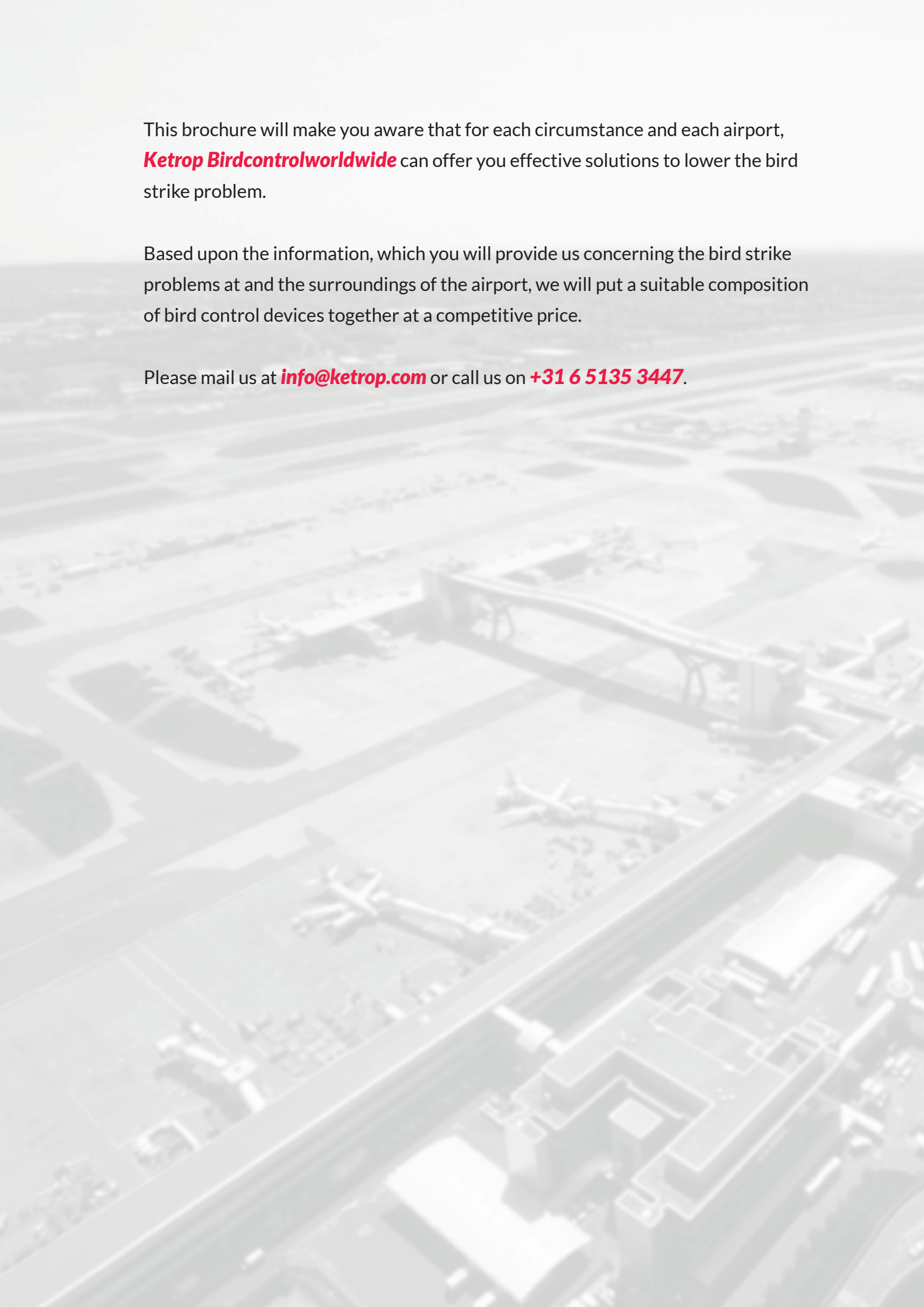
PRODUCT DETAILS	
RANGE	115m \pm 10m
EFFECT	Loud Report
SHELF LIFE	5 Years

- » Exceptional range of 115m \pm 10m
- » Cleaner burning energetics reducing weapon fouling
- » Cleaner burning energetics reducing smoke inhalation to user
- » Minimal waste material
- » Greater pyrotechnic content for maximising report generation
- » High levels of visible trace
- » REACH compliant energetics

This brochure will make you aware that for each circumstance and each airport, **Ketrop Birdcontrolworldwide** can offer you effective solutions to lower the bird strike problem.

Based upon the information, which you will provide us concerning the bird strike problems at and the surroundings of the airport, we will put a suitable composition of bird control devices together at a competitive price.

Please mail us at **info@ketrop.com** or call us on **+31 6 5135 3447**.



Contact details

KETROP and **BIRDCONTROL-WORLDWIDE** are trademarks of:

**IM- & EXPORT
FRIJTERS RIJSBERGEN BV**
Smokstraat 2
4891ZK Rijsbergen
The Netherlands

Tel.: +31 (0) 6-51 35 34 47

Fax: +31 (0) 76-5 96 48 68

E-mail: info@ketrop.com

Web: www.ketrop.com



WWW.BIRDCONTROLWORLDWIDE.COM | WWW.KETROP.COM

www.birdcontrolworldwide.com & www.ketrop.com are trademarks of Im- & Export Frijters Rijsbergen B.V.