



Autonomic®



Keeping birds at a distance 24 hours a day, 7 days a week

Autonomic®

Autonomic is a fully automated bird repelling system that provides continuous bird repelling capability after a one-time configuration.

When the Autonomic is operational, birds perceive the system's approaching laser beam as a physical danger and disperse to seek safety. In contrast to conventional deterrence methods, birds will not become accustomed to the Autonomic. They will consider the area as unsafe and will not return.

Why choose Autonomic:

- 24/7 prevention of bird presence
- Easy to deploy in many situations
- Immediate and long-lasting results
- AC power or solar-energy powered

Long range

Autonomic enables effective bird repelling across long distances and wide areas.

Advanced laser technology

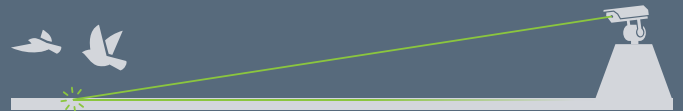
Bird Control Group dedicated years of research to develop the ultimate laser beam. This was accomplished by applying a combination of highly precise optics, filtering and light frequencies. The result is exceptional bird repelling performance.

More animal and environmentally friendly

Autonomic is an environmentally friendly and silent solution that is not harmful to birds.

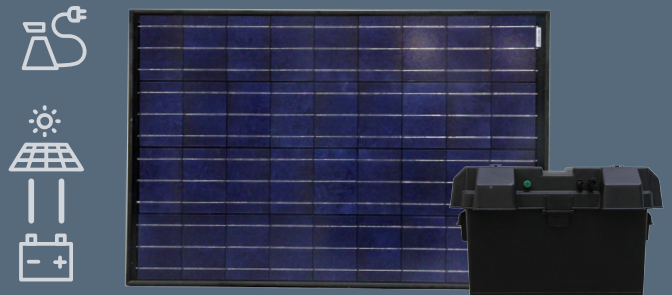
No habituation

The dynamic action of the Autonomic results in continued, effective bird repelling over time.



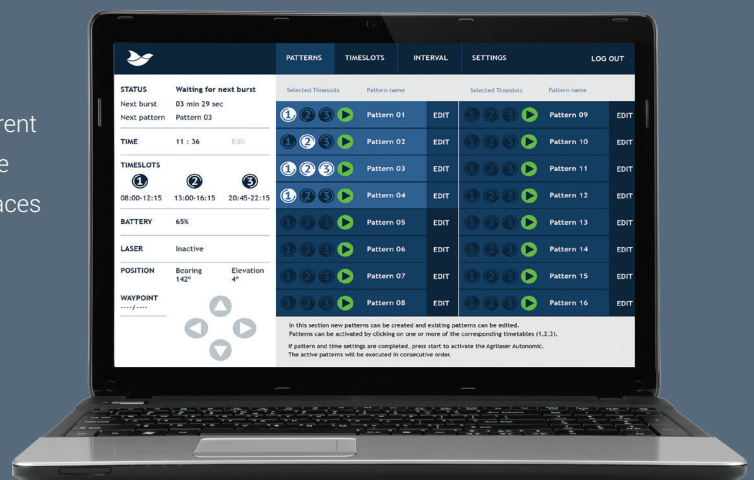
AC power or solar charging system

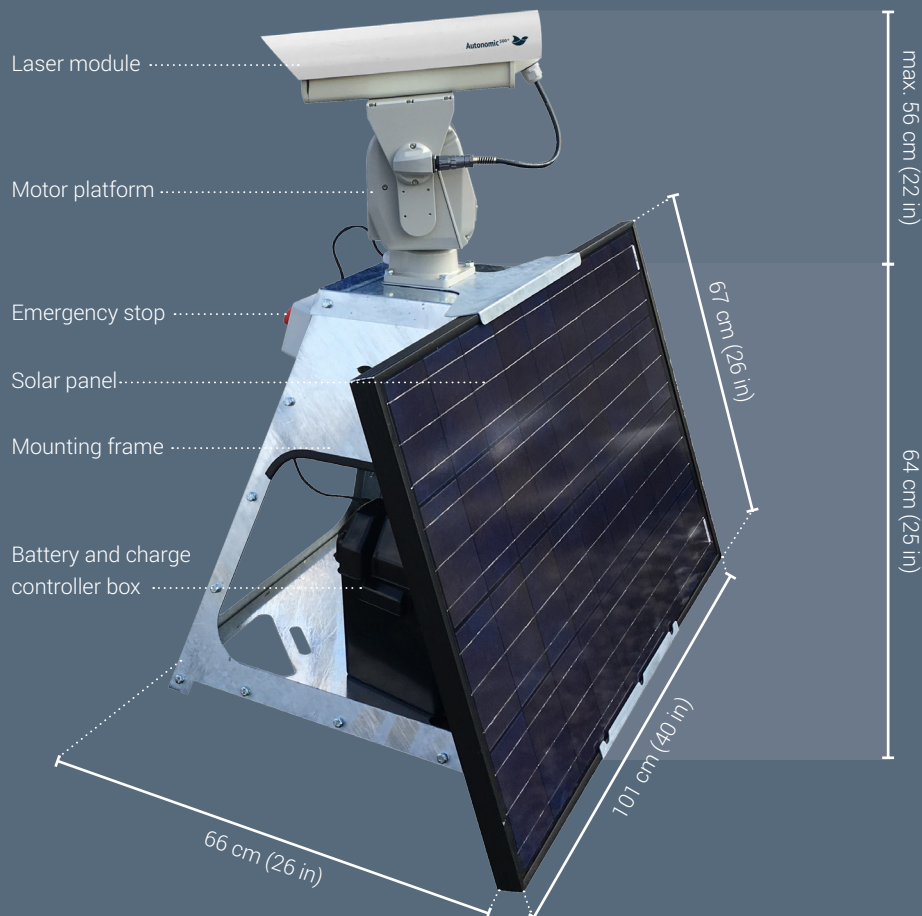
Autonomic is powered by AC power by default. In location where grid power is not available, the Autonomic can be equipped with an additional solar charging system to enable operation.



Flexible by nature

Autonomic can save up to 16 different patterns and 3 different timeslots. Each individual pattern can be assigned to a time slot, enabling bird repelling capability at the periods and places of your choice.





Carefully selected components

Every component of the Autonomic is carefully selected to meet high-grade industrial quality standards, to ensure minimal maintenance in the field.

Safety comes first

Safety is our highest priority! After years of research and experience in the field we developed the unique safety features for the Autonomic that assure effective work of the system and limit any potential side effects.

Projection Safety System (PSS)

The patented Projection Safety System (PSS) prevents the Autonomic from projecting the laser beam outside of the predefined patterns.

The user has the ability to set up the safety sensitivity level (low, medium, high and extra high) by choosing appropriate settings based on preferences and characteristics of the pattern. The PSS thereby ensures harmless and safe operation of the Autonomic within the selected patterns.

Password lock

The password prevents unauthorised adjustments to settings.

Emergency stop

In an emergency, the Autonomic can be quickly deactivated by depressing an easily accessible emergency stop button.

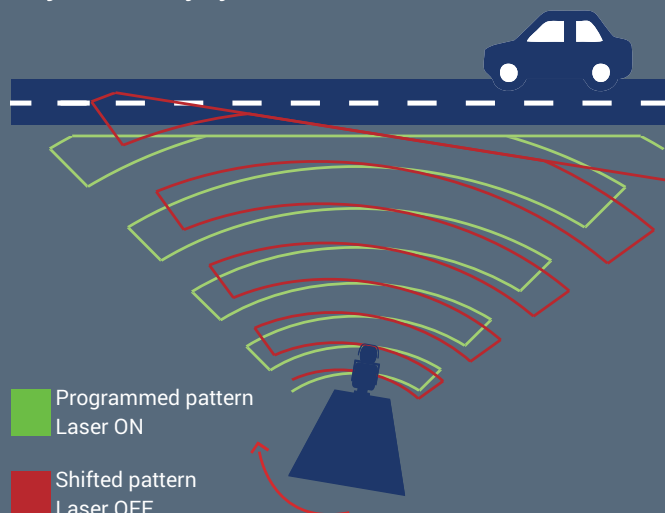
Indicator light

Autonomic's indicator light displays the system status at all times.

Free online laser safety training

In order to gain the appropriate knowledge, a free online laser safety training is offered at www.birdcontrol.academy.

Projection Safety System illustration



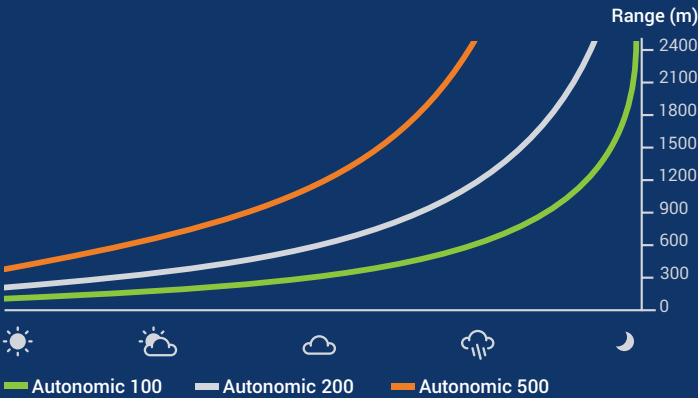
Technical specifications

Laser beam color	Green
Service life laser source	5,000 hours
Projection range	Horizontal: 0° to +355° Vertical: -70° to +20°
Amount of predefined patterns	16
Amount of waypoints per pattern	100
Variable speed	4° - 6°/ second
Power source	Power adapter (100 - 277 VAC) or optional solar
Operating voltage	12 - 15 VDC
Power consumption	60 W (peak operating power)
Autonomic sizes	Weight: 10 kg (22 lb) Dimensions: (LxWxH) 41 (16) x 41 (16) x 56 (22) cm (in)
Endurance	IP65 (suitable for indoor and outdoor use)
Anti-Theft protection	Password protection Physical fixation to structures Anti-Theft sticker
Safety	Password lock Emergency stop button Indicator light Projection Safety System (PSS)
Operating temperature	Autonomic 100: -10 °C to 50 °C (14 °F to 122 °F) Autonomic 200 & 500: -20 °C to 50 °C (-4 °F to 122 °F)
Certification	CE FDA 2006/42/EC (Machine Directive) 2006/95/EC (LVD Directive) EN-IEC 60825-1:2014 (Laser Safety Directive) 2004/108/EC (EMC Directive)
IR filter	Available

Specifications of optional accessories

Mounting frame	Weight: 17 kg (37 lb) Dimensions: (LxWxH) 66 (26) x 66 (26) x 64 (25) cm (in)
Adjustable frame extender	Weight: 4 kg (8.8 lb) Dimensions: 103 (40) x 40 (16) x 40 (16) cm (in)
Solar panel	Peak power: > 100 W Max voltage: 17 - 19V Mono-crystalline or poly-crystalline Maximum dimensions for mounting to the frame: (LxWxH) 203 (80) x 69 (27) x 3.5 (1.4) cm (in)
Autonomic battery	Weight: 35 kg (77 lb) Voltage: 12V Capacity: 80-100Ah The battery is suitable for deep-cycling Semi-traction / VRLA type batteries Maximum dimensions to fit in the battery box: (LxWxH) 27.94 (11) x 20.02 (7.88) x 24.77 (9.75) cm (in)
Battery box and charge controller	Weight: 1.9 kg (4 lb) Dimensions: (LxWxH) 46 (18) x 29 (11) x 33 (13) cm (in)

Estimated range for effective bird dispersal



Autonomic comes in three models, each with a different laser output power. The Autonomic 100, 200 and 500. Choosing the right model is essential in order to generate a laser projection with sufficient contrast for effective bird dispersal.

Light conditions

A higher laser output power is recommended for use during bright light conditions.

Distance and beam angle

A higher laser output power balances out the loss of contrast when the laser beam is spread over a larger surface area. The Autonomic laser is effective over a long distance; however, the actual surface area covered by the laser depends on particular situations and obstacles in the field.

Local environmental conditions (albedo)

A higher laser output power is recommended for use in an environment that includes light absorbing surfaces.



WARNING – LASER RADIATION
AVOID EXPOSURE TO BEAM
CLASS 3B LASER PRODUCT

MAXIMUM OUTPUT <500 mW
WAVELENGTH 532 nm
CLASSIFIED TO NEN EN 60825-1:2014

Partners:



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