

III. CARE/CLEANING

1. To prolong the life of the unit ,allow 30mins cooling after 68 hours of operation.
2. Cleaning frequency depends on the environment .
3. During cleaning(except for mirrors),or when the units is not in use,Close the aperture completely by using the thumbscrews to prevent dust.
4. Unplug the unit. Use a soft cloth to clean the outside casing and the lens. To clean mirrors (inside the front aperture) use a cotton swab and rubbing alcohol. Twirl slowly and press gently to avoid damage.
5. Be sure all parts are dry before plugging the unit back in
6. When unit is not in use for extended periods, turn off and remove the key in the back.
This will reset the unit for cotton swab and rubbing alcohol. Twirl slowly and press gently to avoid damage.

IV. COVERAGE/VISUAL DISTRIBUTION PATTERN

Total spatial coverage is dependent on environmental surroundings: more visible in the dark than in the light, more visible in a relatively open area than one with many bushes or trees that would block beams, etc.This laser beam for outdoor and indoor use areas up to 3,000-4,000 square feet. Maximum coverage is approximately 10,000 square feet. Keep in mind that this is unidirectional coverage, with beams emanating from the aperture in the shape of a slice of pie.

Depending on placement, a second unit will offer increased synergistic coverage; therefore multiple units are strongly recommended, especially in stubborn or long-term infestations.

V. APPLICATIONS

The unit is designed to act as an important aid in chasing birds from their infestations in privately-owned or restricted-access outdoor areas such as golf courses, corporate grounds, institutions, military installations, etc Other locations include: hangars, silos, barns, stadiums, arenas, boat houses and bell towers etc.
With waterproof IP65, it can be used in humid and dust environment.

VI. WARRANTY

It's warrantied against defects in materials and workmanship for a period of 12 months from production date. We will either replace or repair the defective unit. please contact us for details.

INSTRUCTION MANUAL

LASER BIRD REPELLER



*Thank you for your purchase.
For safe operation and best results,
please read this manual before use.*

Made in China



I. SETUP AND INSTALLATION

Power Connection: has been designed to function on a main power supply of either 120V-240V and has been supplied with either a 120V, 220V or 240V power plug (depending on your order), for use with your local voltage.



Plug attachment: Firmly attach the plug (supplied separately) to the unit's power cord by screwing it onto the screw-threaded attachment at the end of the cord see diagram. When attaching the plug for the first time, make sure the 2 pin plug is the right way round. Match 'flat' and 'keyway' for proper contact Check before tightening, as the fit only works in one direction. ** Use only the plug and power adapter supplied with the unit.

Check the label and verify the power plug for the correct voltage. Ensure using a grounded circuit. Ensure source voltage matches the required voltage before plugging it in; incorrect voltage selection will detrimentally affect the unit's operation. When connected to the mains power supply power LED will be on and the laser will begin to warm up and then function. For remote control use including timer, see below.

First Time Use:

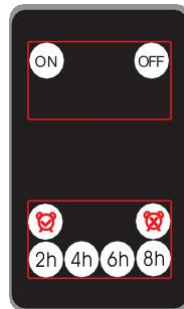
Laser Automatic Cycling: ON/OFF operation with intervals varying between 5 mins OFF time for per 5 mins on.

1. Use the power switch to turn it on. You will hear the fan turn on, then you will see the fat beam laser light begin their constantly moving and changing display.
2. The remote control may be used to turn the unit off and on, and also to operate for specified durations (2, 4, 6 or 8 hours). One remote will control multiple units (within its coverage range if units are mounted at a distance from one another, the remote must be activated close enough to each unit for the signal to reach it.)

Remote Control & On-Unit Control including Timer Operation:

- Direct
- Remote Control. The unit may be switched on and off using the remote control provided. This Radio Frequency remote has a range of approximately 65 feet.
- Pull out the antenna to boost signal in case of greater distance or obstructions.
- Timed operation (using the remote control).

Insert the battery into the Remote control. Remove the battery if the Remote will not be used for a long time; this will conserve battery life.



To use the timer, press the remote's TIMER ON button. Unit the blue led light will flash twice to show it has received the signal. Pressing the TIMER ON button defaults to 2 hours of operation. To select a different duration, press the desired hour button following Timer START. To cancel timer operation, press the TIMER OFF button. Unit will flash twice to show it has accepted the signal.

II. PRECAUTIONS

This laser is Class II. The power of each laser point is no more than 1 milli watt, which is not harmful to the human body or eye.

- * Read and observe all safety labeling on this device.
- * Never look directly into laser beams, or into the specular reflection(s) of any beam. Wear safety goggles to protect your eyes when necessary.
- * DO NOT point towards other people.
- * DO NOT direct laser beam up into the sky AT ANY TIME. Significant disruption to safe airplane operation may result, punishable by federal law.
- * Wear antistatic wrist strap while servicing to prevent electrostatic damage.
- * While this unit is weather resistant under normal conditions, avoid exposure to extremes such as hurricanes. Do not leave where it may become flooded or immersed. Do not allow to be covered in snow.
- * Do not place unit in or near water. Do not mount while standing in or surrounded by water.
- * Do not spill liquids into or onto unit. If this happens, disconnect the power immediately.
- * Power directly off of a switched circuit; never with a dimmer or rheostat (even a 0 to 100% switch).
- * Disconnect unit from main power before inspecting, installing, making any type of connection, or replacing any components.
- * Locate this unit with adequate ventilation at least 15 cm from a wall, and mount in a safe, stable manner.
- * To prevent fire or shock hazard, do not expose this unit to a high temperature or high humidity area. Unplug unit when not in use.
- * Keep away from combustible materials.
- * Lasers are regulated by the FDA. Accession numbers are on file. You may also visit the FDA web site for more information.
- * For outdoor use, install at ground level or a few inches above the ground.
- * Do not project beams onto specular (reflective) material for example, mirrors.
- * Do not project beams at room entrances.
- * Do not use near humans or pets.
- * Conform to temperature ranges in "specifications". Diode laser is extremely sensitive to temperature, and output power is indirectly proportional to temperature. If temperature is too low, laser may need extra time to warm up to optimum output. If temperature is too high, turn up air conditioning. If temperature remains too high, it can cause damage or degradation to the diode and the long-term performance.
- * The Interlock Connector is a safety device for radiation, through which the factory has access to the area if repairs are needed if that does not allow the customer to access the source laser radiation, but in case repairs are needed, the factory has the key to access this area.
- * Refer service to a qualified technician.
- * Caution - Use of controls or adjustments or performance of procedures other than as specified herein may result in hazardous radiation exposure!