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> DynaTrap DT2000XLPSR Large Mosquito & Flying Insect Trap User Manual

DynaTrap DT2000XLPSR

DynaTrap DT2000XLPSR Insect Trap User Manual

Model: DT2000XLPSR

Brand: DynaTrap

1. INTRODUCTION

The DynaTrap DT2000XLPSR is a large-capacity insect trap designed to effectively reduce populations of mosquitoes, biting flies, wasps, gnats, and other flying insects across areas up to 1 acre. This device operates quietly, without the need for pesticides or propane, making it an environmentally friendly solution for insect control. It utilizes a 3-way protection system to attract and trap insects, providing continuous protection for your outdoor and indoor spaces.

2. KEY FEATURES

- **3-Way Protection:** Utilizes UV light and a TiO₂ coated surface to attract insects, which are then drawn into a retaining cage by a powerful, whisper-quiet fan.
- **Powerful Coverage:** Effectively protects up to 1 acre of your property, designed for a larger catch.
- **All-Weather Construction:** Features a durable design suitable for continuous indoor or outdoor use, capable of withstanding various weather conditions.
- **Discreet Design:** The sleek black finish and decorative basket are designed to blend seamlessly with your existing decor.
- **Easy to Use:** Simple plug-in operation. No costly attractants or propane required.

3. SETUP INSTRUCTIONS

Follow these steps to set up your DynaTrap DT2000XLPSR for optimal performance:

1. **Unpack the Unit:** Carefully remove all components from the packaging.
2. **Choose Location:** Place the trap 3-6 feet above the ground and 20-40 feet away from areas of human activity (e.g., patios, decks) to draw insects away from people.
3. **Power Connection:** Plug the trap into a suitable electrical outlet. The unit is designed for continuous operation.
4. **Initial Operation:** Allow the trap to operate continuously for 24/7 for the first 6-8 weeks to effectively break the insect breeding cycle.



Figure 1: Plugging in the DynaTrap DT2000XLPSR. Ensure the unit is connected to a compatible power source.



Figure 2: The DynaTrap DT2000XLPSR can be hung using its integrated hook for elevated placement.

4. OPERATING PRINCIPLES

The DynaTrap DT2000XLPSR employs a sophisticated 3-way system to attract and capture flying insects:

- **UV Light Attraction:** A UV fluorescent bulb generates warmth and ultraviolet rays, which are highly attractive to insects both day and night.
- **TiO₂ Coating (CO₂ Production):** The trap's titanium dioxide (TiO₂) coated surface, when exposed to UV light, produces a small amount of carbon dioxide (CO₂). This mimics human breath, making the trap irresistible to mosquitoes and other biting insects.
- **Powerful Vacuum Fan:** Once insects are lured close to the trap, a powerful, yet whisper-quiet fan silently draws them into the retaining cage. They are then trapped inside, where they dehydrate and die.



Figure 3: Visual representation of the DynaTrap's 3-way insect attraction and trapping mechanism.

PROTECTS UP TO 1 FULL ACRE



Figure 4: The DynaTrap DT2000XLPSR provides effective insect control for areas up to 1 acre.

EASY TO USE, SIMPLY PLUG IN.



Figure 5: The trap operates with a whisper-quiet fan, ensuring minimal disturbance.

5. MAINTENANCE

Regular maintenance ensures the longevity and effectiveness of your DynaTrap DT2000XLPSR.

5.1. Emptying the Catch Basket

The retaining cage at the bottom of the trap collects trapped insects. It should be emptied periodically, depending on the insect population in your area.

1. **Turn Off and Unplug:** Always unplug the unit from the power outlet before performing any maintenance.
2. **Remove Catch Basket:** Twist the retaining cage counter-clockwise to unlock and remove it from the main unit.
3. **Dispose of Contents:** Empty the dried insects into a waste bin.
4. **Clean Basket:** If necessary, wipe the basket clean with a damp cloth. Ensure it is completely dry before

reattaching.

5. **Reattach Basket:** Align the basket with the main unit and twist clockwise until it locks securely into place.



Figure 6: The removable catch basket allows for easy disposal of trapped insects.

5.2. Bulb Replacement

The UV fluorescent bulbs have a limited lifespan and should be replaced approximately every 3,000 hours (roughly 4 months of continuous use) to maintain optimal attraction.

1. **Turn Off and Unplug:** Ensure the unit is unplugged and cool before handling bulbs.
2. **Access Bulbs:** Refer to your specific model's instructions for accessing the UV bulbs. This typically involves removing the top cover or a protective grille.
3. **Replace Bulbs:** Carefully remove the old bulbs and insert new DynaTrap replacement bulbs. Avoid touching the glass part of the new bulbs with bare hands.
4. **Clean Contacts:** Periodically clean the bulb contacts with an electronic cleaner or fine sandpaper to ensure proper electrical connection and bulb illumination.
5. **Reassemble:** Securely reattach any covers or grilles removed during the process.

6. TROUBLESHOOTING

If your DynaTrap DT2000XLPSR is not functioning as expected, consult the table below for common issues and solutions.

Problem	Possible Cause	Solution
Unit not turning on / Lights not illuminating	No power, faulty bulb(s), dirty bulb contacts.	Check power outlet. Replace bulbs if old or burnt out. Clean bulb contacts.
Poor insect catch rate	Incorrect placement, old bulbs, high competing light sources.	Relocate trap 20-40 feet away from human activity and other bright lights. Replace bulbs. Ensure continuous operation.
Unit is noisy	Fan obstruction or malfunction.	Unplug unit and check for debris obstructing the fan. If noise persists, contact customer support.
Not compatible with local power supply (outside US)	Unit designed for 110-120V AC (US standard).	A voltage converter/transformer is required for use in regions with 220-240V AC power. Ensure the converter is rated for outdoor use if applicable.

7. PRODUCT SPECIFICATIONS

Specification	Detail
Model Number	DT2000XLPSR (Insect Trap)
Brand	DynaTrap
Color	Black
Style	1 Acre Black Trap
Material	Metal
Product Dimensions	13"L x 13"W x 20"H
Item Weight	10.72 pounds
Recommended Uses	Outdoor, Indoor

Specification	Detail
Target Species	Mosquito, Fly, Wasps, Gnats, Moths, June Beetles, Yellow Jackets, Stink Bugs, Biting Midges
UPC	043256327927

8. WARRANTY AND SUPPORT

For detailed warranty information, please refer to the documentation included with your product or visit the official DynaTrap website. For additional support or inquiries, please contact DynaTrap customer service.

User guides and manuals are also available in PDF format for download:

- [User Guide \(PDF\)](#)
- [User Manual \(PDF\)](#)