zechuan SE563

Zechuan Solar Bug Zapper Instruction Manual

Model: SE563

Brand: zechuan

1. INTRODUCTION

The Zechuan Solar Bug Zapper is a versatile and portable pest control device designed for both indoor and outdoor use. It effectively attracts and eliminates mosquitoes and other flying insects using a high-voltage grid, providing a physical and chemical-free solution. This manual provides essential information for the proper setup, operation, and maintenance of your bug zapper.

Figure 1: Zechuan Solar Bug Zapper, showcasing its design and the blue light grid.

2. KEY FEATURES

- **Automatic Operation (AUTO-ON/OFF):** Designed to charge in direct sunlight and operate automatically, turning off during the day and activating at night.

- **3-in-1 Functionality:** Functions as a mosquito killer, an LED night light, and an SOS signal light for emergencies.

- **Dual Charging Options:** Can be charged via its integrated solar panel or through a USB-C connection for convenience.

- **Easy Maintenance:** Features a detachable mosquito trap for simple disposal of zapped insects and easy cleaning.

- **Effective Physical Pest Control:** Utilizes a high-voltage grid to eliminate insects without the need for harmful chemicals or fumes.

- **Waterproof Design:** IP65 rated for outdoor use, making it resistant to water splashes and rain.

3. SETUP AND INITIAL USE

3.1 Unpacking

Carefully remove the bug zapper from its packaging. Ensure all components, including the device and USB-C charging cable, are present.

3.2 Initial Charging

For optimal performance, fully charge the device before first use. You have two charging options:

- **Solar Charging:** Place the bug zapper in direct sunlight. The integrated solar panel will charge the internal battery. Ensure the solar panel is clean and unobstructed for efficient charging.
- **USB-C Charging:** Connect the provided USB-C cable to the charging port on the device and to a compatible USB power source (e.g., wall adapter, power bank, laptop). A full charge via USB-C typically takes 3-4 hours.

Figure 2: Illustration of solar charging and USB-C charging methods.

3.3 Placement

Place the bug zapper in an area where flying insects are prevalent. For best results, minimize surrounding light sources during nighttime operation to maximize the attraction of insects to the zapper's UV light.

4. OPERATING INSTRUCTIONS

The Zechuan Solar Bug Zapper offers multiple operating modes:

- **Auto Mode (Recommended):** In this mode, the bug zapper will automatically turn on at dusk and turn off at dawn, conserving battery life and ensuring continuous pest control throughout the night. To activate, press the "AUTO" button.

- **Bug Zapper Mode (Manual ON/OFF):** You can manually turn the bug zapper function on or off regardless of ambient light. Press the "ON/OFF" button to cycle through modes.

- **LED Night Light Mode:** The device features an integrated LED light that provides a soft ambient glow. This can be used independently or in conjunction with the zapper function. Press the "LIGHT" button to cycle through light brightness settings (dim, bright) or to activate the SOS signal.

- **SOS Signal Mode:** For emergency situations, the LED light can be set to a bright flashing SOS signal.
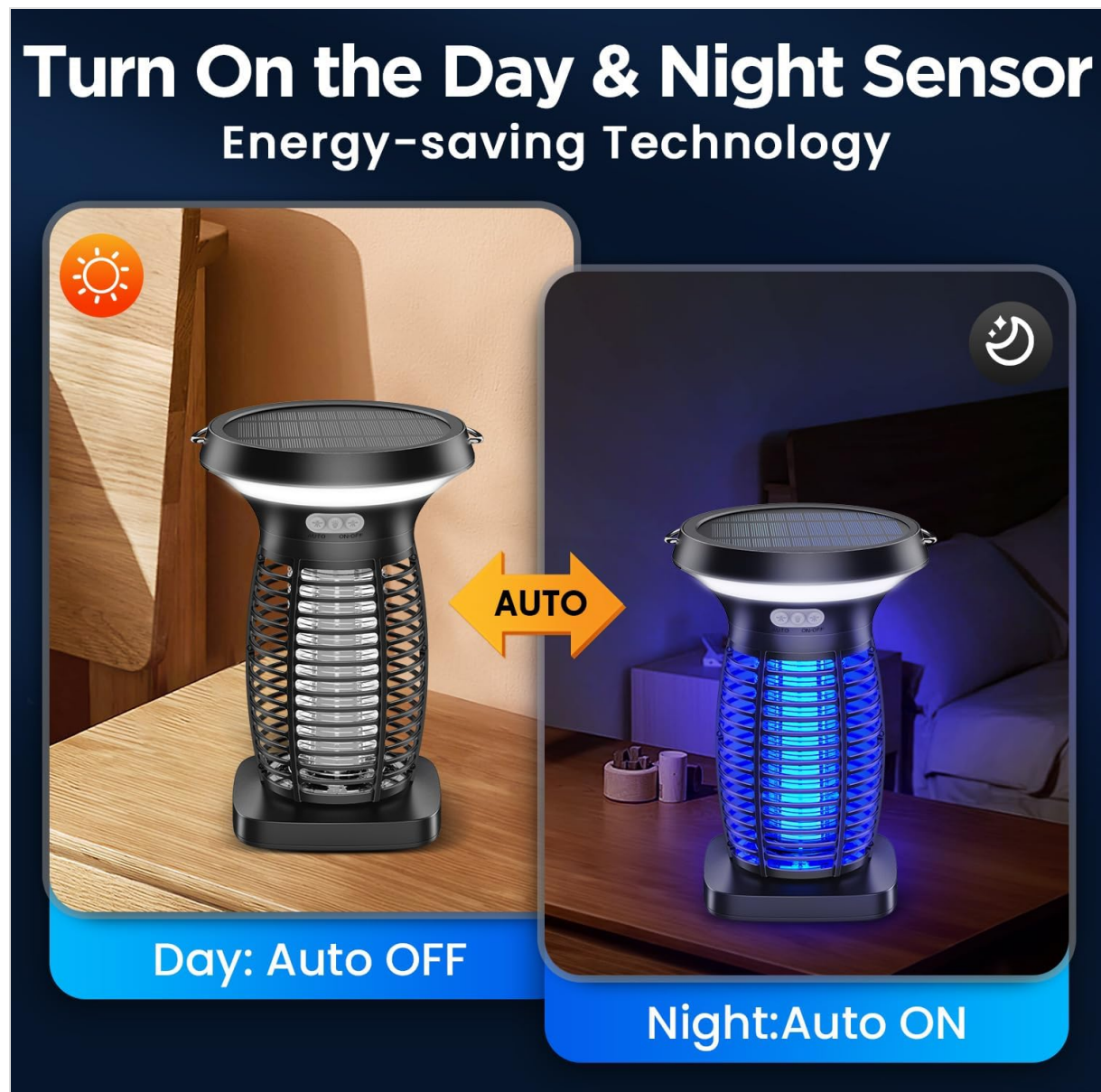

Figure 3: Automatic day/night sensor operation.

Figure 4: Demonstrating the 3-in-1 functions of the device.

5. MAINTENANCE AND CLEANING

Regular cleaning ensures the optimal performance and longevity of your bug zapper. The device is designed for easy cleaning.

1. **Power Off:** Before cleaning, ensure the device is turned off and disconnected from any power source (USB-C cable).

2. **Detach Trap:** Locate the detachable mosquito trap at the bottom of the unit. Twist or slide to remove it.

3. **Dispose of Insects:** Carefully dispose of the collected dead insects from the trap.

4. **Clean Grid:** Use the provided cleaning brush to gently remove any remaining insects or debris from the high-voltage grid. Do not use water directly on the grid.

5. **Clean Trap:** The detachable trap can be rinsed with water. Ensure it is completely dry before reattaching.

6. **Reassemble:** Reattach the mosquito trap securely to the main unit.

Figure 5: Visual guide to the IP65 waterproof rating and cleaning process. Note: Do not soak in water.

Figure 6: Detailed steps for cleaning the insect collection tray.

6. TROUBLESHOOTING

Problem	Possible Cause	Solution
Device not turning on.	Low battery; Auto mode active during daytime; Power switch off.	Charge the device via solar or USB-C. Check if it's daytime and switch to manual ON if needed. Ensure power switch is ON.
Ineffective bug zapping.	Dirty grid; Too much ambient light; Device not placed optimally.	Clean the high-voltage grid. Reduce competing light sources. Relocate the zapper to a darker area where insects are active.
Solar charging is slow/not working.	Solar panel obstructed or dirty; Insufficient direct sunlight.	Clean the solar panel. Ensure it receives at least 6-8 hours of direct sunlight daily. Consider USB-C charging if sunlight is limited.
Light function not working.	Low battery; Light mode not selected.	Charge the device. Press the "LIGHT" button to cycle through light modes.

7. PRODUCT SPECIFICATIONS

Attribute	Detail
Brand	zechuan
Model Number	SE563
Material	Plastic
Product Dimensions (L x W x H)	6.5" x 6.5" x 10"
Item Weight	2 Pounds
Power Source	Solar, USB-C Rechargeable (1 Lithium Ion battery required)
Target Species	Mosquito
Waterproof Rating	IP65
Manufacturer	Zhongshan Yongqi Electronic Technology Co., Ltd.

8. WARRANTY AND SUPPORT

For warranty information, technical support, or any inquiries regarding your Zechuan Solar Bug Zapper, please refer to the contact details provided on the product packaging or visit the official Zechuan brand store online. Please retain your proof of purchase for warranty claims.

Online Store: Zechuan Store on Amazon