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› Vivideal Solar Bug Zapper BK-21 Instruction Manual

## Vivideal BK-21

# Vivideal Solar Bug Zapper BK-21 Instruction Manual

Model: BK-21

## INTRODUCTION

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The Vivideal Solar Bug Zapper BK-21 is a versatile 3-in-1 device designed for effective physical mosquito and insect control, suitable for both indoor and outdoor environments. It combines a UV bug zapper, a white LED light, and an SOS signal light, offering a comprehensive solution for a bug-free living space. This manual provides detailed instructions for the proper use and maintenance of your device.

## PRODUCT OVERVIEW

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The Vivideal Solar Bug Zapper BK-21 features a robust design with multiple functionalities. Understanding its components is key to optimal performance.



**Figure 1:** Front view of the Vivideal Solar Bug Zapper BK-21, showcasing its lantern-like design with a central UV light grid.



**Figure 2:** Exploded view illustrating the main components: Hook, Solar Panel, Lampshade, Mosquito Button, Lighting Button, High Voltage Grid, UV Light Bulb, and Insect Collection Tray.

## Key Features:

- **3-in-1 Functionality:** Combines a UV bug zapper, a white LED light, and an SOS signal light.
- **Solar Powered & USB Rechargeable:** Equipped with a solar panel for automatic daytime charging and a 2000mAh battery, with an option for USB-C charging.
- **Weatherproof & Durable:** Constructed from sturdy ABS material and stainless steel, designed to withstand outdoor conditions.
- **Safe Operation:** Physical pest control method with a protective ABS housing to prevent accidental contact with the internal grid.
- **Wide Coverage:** Effective bug zapping coverage of up to 2100 sq.ft.

## SETUP

Before first use, ensure the device is fully charged. The unit can be charged via solar power or the included USB-C cable.

1. **Initial Charging:** For optimal performance, fully charge the device using the provided USB-C cable before its first outdoor use. This typically takes approximately 3 hours.
2. **Solar Charging:** Place the device in direct sunlight. The solar panel on top will automatically charge the internal 2000mAh battery during the day. Full solar charge takes approximately 12 hours.
3. **Placement:** Choose a location where insects are prevalent. The device can be placed on a flat surface or hung using its integrated hanging hook. Ensure the solar panel is exposed to direct sunlight for efficient charging.



**Figure 3:** The solar panel on top allows for automatic charging when exposed to sunlight.



**Figure 4:** The device can also be charged via USB-C for faster or indoor charging.

## OPERATING INSTRUCTIONS

The Vivideal Solar Bug Zapper BK-21 features two main control buttons for its various modes: a light button and a mosquito zapper button.



**Figure 5:** Overview of the three operational modes: Illumination, UV Bug Zapper, and SOS.

### Light Modes:

- Press the **Light Button** (*lightbulb icon*) once for 60LM lighting (approx. 10 hours runtime).
- Press the **Light Button** a second time for 100LM lighting (approx. 7 hours runtime).
- Press the **Light Button** a third time for SOS flashing mode (approx. 12 hours runtime).
- Press the **Light Button** a fourth time to turn off the light.

## Bug Zapper Modes:

- Press the **Mosquito Button** (*mosquito icon*) once for strong UV light bug zapping (approx. 4 hours runtime).
- Press the **Mosquito Button** a second time for weak UV light bug zapping (approx. 8 hours runtime).
- Press the **Mosquito Button** a third time to turn off the bug zapper.

The bug zapper and light modes can be operated simultaneously or independently based on your needs.

## MAINTENANCE

Regular cleaning ensures the longevity and effectiveness of your Vivideal Solar Bug Zapper BK-21.



Figure 6: Visual guide for cleaning the insect collection tray.

1. **Turn Off Device:** Ensure the bug zapper and light functions are turned off before cleaning.
2. **Remove Collection Tray:** Gently turn the bottom collection tray counter-clockwise and remove it.
3. **Clean Insects:** Use the included cleaning brush to sweep out any accumulated insect debris from the tray and the internal grid.
4. **Rinse Tray:** The collection tray can be rinsed with water. Ensure it is completely dry before reattaching.
5. **Reattach Tray:** Screw the collection tray back onto the device by turning it clockwise until secure.
6. **Waterproof Feature:** The device is IP67 waterproof, allowing for easy rinsing of the exterior. However, ensure the charging port cover is securely closed during rinsing.

## TROUBLESHOOTING

If you encounter issues with your Vivideal Solar Bug Zapper BK-21, refer to the following common solutions:

| Problem | Possible Cause | Solution |
|---------|----------------|----------|
|---------|----------------|----------|

| <b>Problem</b>                                  | <b>Possible Cause</b>                        | <b>Solution</b>   |
|---|--|---|
| Device not turning on or short runtime.         | Low battery charge.                          | Fully charge the device using the USB-C cable. Ensure the solar panel receives adequate direct sunlight during the day.   |
| Bug zapper not attracting insects effectively.  | UV light intensity is too low or dirty grid. | Switch to strong UV light mode. Clean the insect collection tray and the internal grid thoroughly. Ensure no other strong light sources are nearby that might distract insects. |
| Light modes not functioning correctly.          | Low battery or button malfunction.           | Recharge the device. Press the light button firmly and cycle through modes. If issues persist, contact customer support.  |
| Device appears damaged after exposure to water. | Charging port cover was not sealed.          | Ensure the rubberized cover for the USB-C charging port is securely closed at all times, especially when outdoors or exposed to moisture.                                       |

## SPECIFICATIONS

| <b>Feature</b>         | <b>Detail</b>                           |
|------------------------|---|
| Model Number           | BK-21                                   |
| Product Dimensions     | 5.1 x 5.1 x 9.4 inches                  |
| Item Weight            | 1.39 pounds                             |
| Battery Capacity       | 2000mAh                                 |
| Solar Panel Power      | 1.3W                                    |
| Mosquito Zapper Power  | 0.5W*16                                 |
| Light Power            | 0.2W*24                                 |
| USB Full Charge Time   | Approx. 3 hours                         |
| Solar Full Charge Time | Approx. 12 hours                        |
| Adapter Specification  | USB type-c 5V 1A                        |
| Coverage Area          | 2100 sq.ft.                             |
| Waterproof Rating      | IP67                                    |
| Manufacturer           | Shenzhen Weibo Rui Technology Co., Ltd. |

## WARRANTY & SUPPORT

Vivideal is committed to providing high-quality products and customer satisfaction. For any questions, concerns, or warranty claims regarding your Solar Bug Zapper BK-21, please contact Vivideal customer support through the retailer's platform or the official brand website. Please retain your proof of purchase for warranty validation.

