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[Home](#) » [Buzbug](#) » **buzbug MA-21 LED Bug Zapper User Manual** 

**Contents** [ [hide](#) ]

[1 buzbug MA-21 LED Bug Zapper](#)

[2 BEFORE USING](#)

[3 Product Diagram](#)

[4 FCC STATEMENT](#)

[5 SEPECIFICATION](#)

[6 Directions for Use](#)

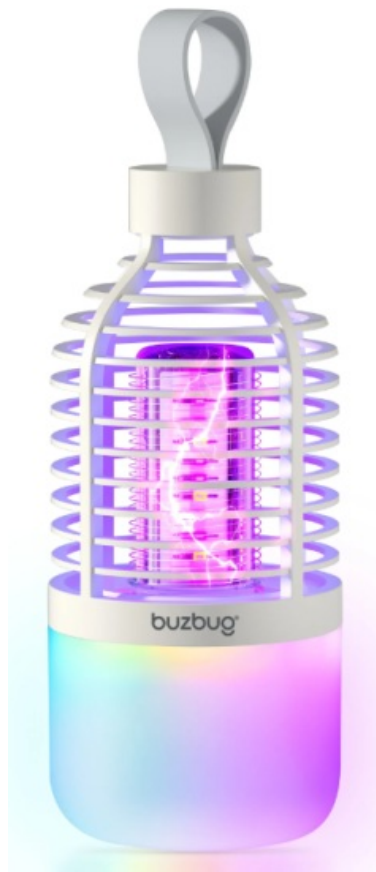
[7 CONTACT](#)

[8 Documents / Resources](#)

[8.1 References](#)



## **buzbug MA-21 LED Bug Zapper**



At Buzbug we are devoted to a greener future as pioneers in energy conservation for the pest control industry. We are front-lining the technology by replacing UV bulbs with state of the art UV-LEDs. We are also proud to introduce solar solutions for some of our outdoor pest control products.

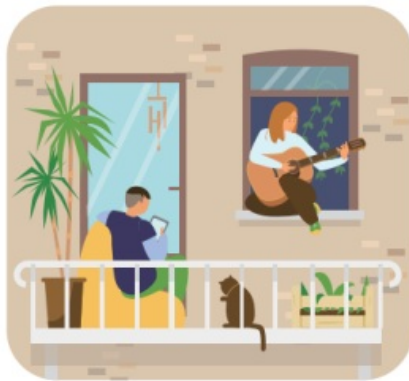
### **Zapping for a Cozier and Greener Life**



### **Buzbug Guarantees 100% Satisfaction To Every Customer**

Visit [buzbug.com](https://buzbug.com) to chat with a live representative, or email [support@buzbug.com](mailto:support@buzbug.com) for assistance and inquiries.

This product is covered in a 12-month warranty program.



## BEFORE USING

### 1. How long does it take for this product to be fully charged?

Charging fully with the provided cable takes about 3 hours. Low battery will affect the product effect. When the battery is low, please use the provided cable to charge in time.

### 2. Will it make noise?

This product operates silently when no insects are present on the grid. However, when it successfully zaps insects, it may produce noise. If you plan to use it indoors, we recommend avoiding activation during rest periods. In the rare case where the power grid emits noise without any insects, please reach out to our 24/7 customer service team to report the issue. We will provide a free replacement during the product's warranty period to ensure your satisfaction.

### 3. How long can the product last on a full charge?

**A full charge provides:**

- 12 hours with the UV-LED lamp
- 60 hours with the LED ambient lamp
- 10 hours with both the UV-LED lamp and the LED ambient lamp on

If there are many insects around the device, it may increase power consumption and shorten the usage time.

#### 4. **Why do certain flies on electrical grids stop without dying?**

Compared to mosquitoes, flies are bigger. Therefore, the flying postures and the point of collision on the grid determine how many flies can be killed at once. As a result, sometimes it shocks flies to death while other times it merely causes them to feel dizzy.

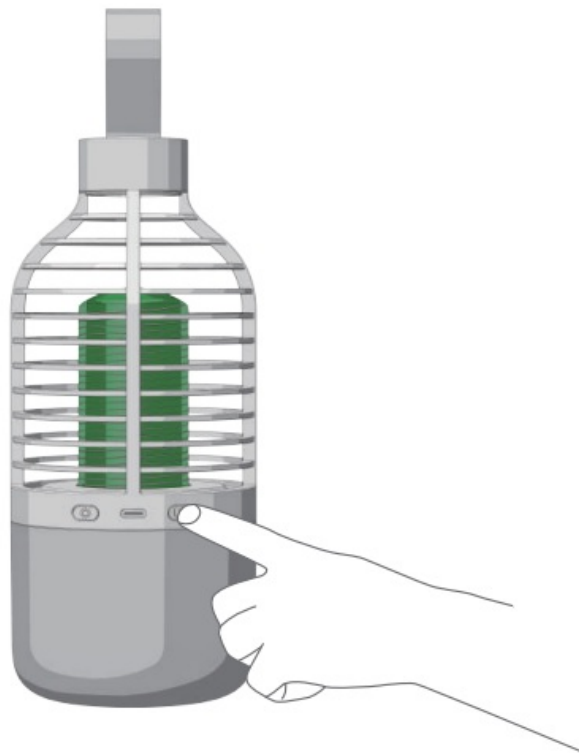
#### 5. **Is it necessary to clean my bug zapper regularly?**

The buildup of dead insects can reduce the product's effectiveness and may even cause continuous discharges, leading to product failure. It's recommended to clean once a week.

#### 6. **How do I properly clean the bug zapper?**

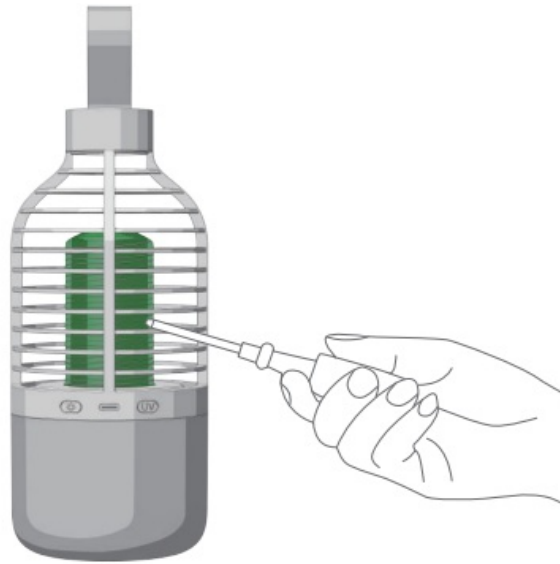
##### 1. **Power Off:**

Before cleaning, make sure the device is turned off and unplugged. Wait at least one minute to allow residual electricity to dissipate.



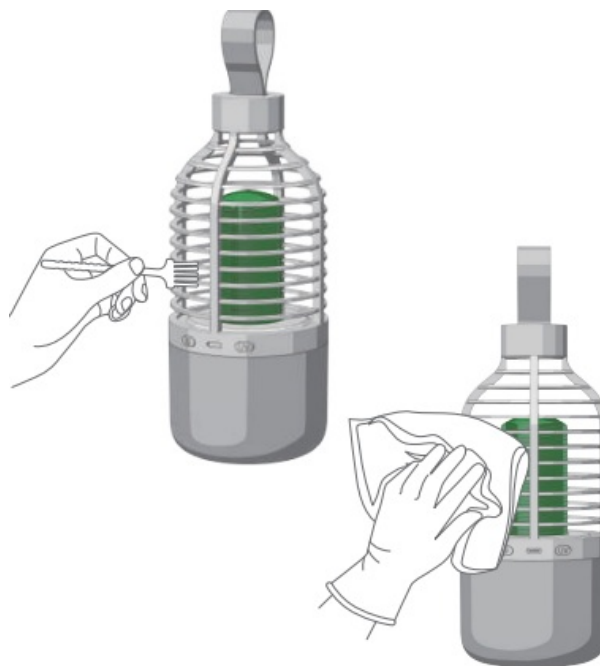
##### 2. **Discharge the Grid:**

Touch the internal grid with a screwdriver with an insulated handle for 5-10 seconds to safely discharge it to eliminate any residual charge.



### 3. Cleaning Process:

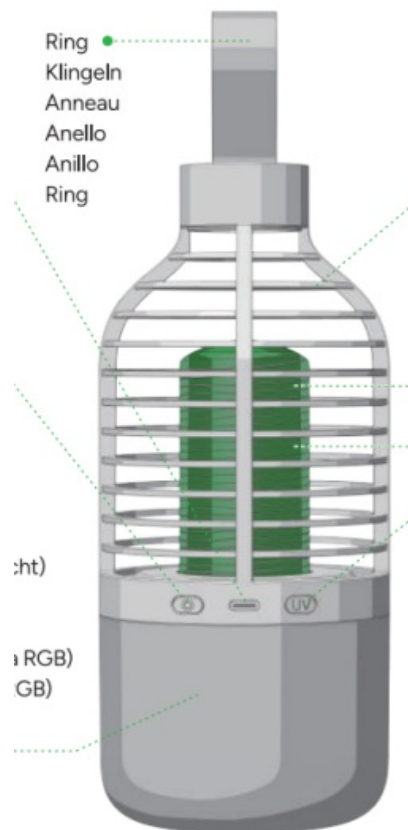
Use a dry brush or soft cloth to clear insect debris from the bulb, the bottom, and the device's exterior. Never immerse the product in water. Do not use abrasive solvents to clean plastic.



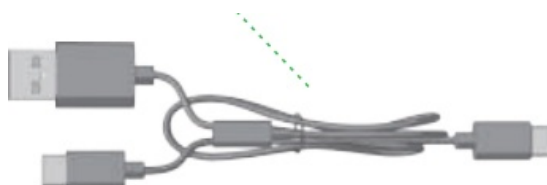
## Product Diagram

- Type-C Charging Port
- LED Ambient Lamp Switch Button
- LED Ambient Lamp (White light & RGB Color Light)
- Ring
- Protective Safety Grid
- UV-LED Lamp
- High Voltage Grid

- UV-LED Switch Button



## Charging Cable



## Working Environment:

This appliance is not waterproof. This appliance is not suitable for barns, stables, and similar locations. This appliance must not be used in places where flammable vapor or explosive dust is likely to exist.

## FCC STATEMENT

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This device complies with part 15 of the FCC Rules. Operation is subject to the following

two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

**Note:**

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.



**CORRECT DISPOSAL OF THIS PRODUCT**

(Waste Electrical & Electronic Equipment)

This marking shown on the product or its literature indicates that it should not be disposed with other household wastes at the end of its working life.

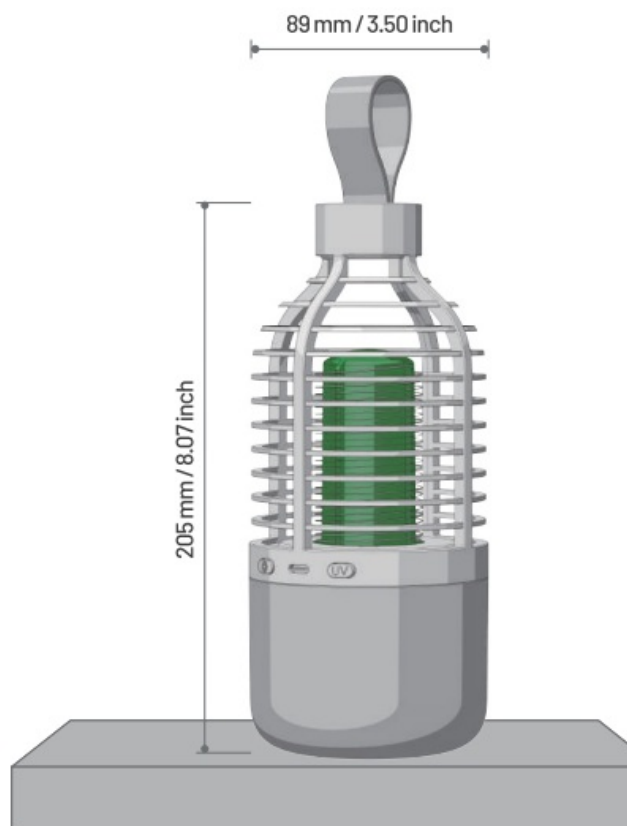
To prevent possible harm to the environment or human health from uncontrolled waste disposal, please separate this from other types of wastes and recycle it responsibly to promote the sustainable reuse of material resources. Household user should contact either the retailer where they purchased this product or their local government office, for

details of where and how they can take this item for environmentally safe recycling.

Business users should contact their supplier and check the terms and conditions of the purchase contract. This product should not be mixed with other commercial wastes for disposal.

## SEPECIFICATION

- Power: 4 V
- Input: Type-C DC 5V / 2A
- Battery Type: Lithium-ion Battery
- Battery Capacity: 4500mAh
- EPA EST Number: 104617-CHN-I
- Charging Time: 3 hours
- Product Size: 89 x 205 x 89 mm / 3.50 x 8.07 x 3.50 inch
- Net Weight: 280g



## Directions for Use

### 1. Charge:



When charging, the LED ambient light flashes red. When fully charged, it flashes green. Use a DC 5V / 2A charger for a full charge in 3 hours. Note: Charging fully before first use is recommended.

## 2. Operation:

<b>UV-LED Lamp &amp; "UV" Switch</b>
Long press the "UV" button for 3 seconds to turn on or off.

<b>LED Ambient Lamp &amp; "☀️" Switch</b>
Long press the "☀️" button for 3 seconds to turn on or off.
White Light: Feature three brightness settings (low, medium, high). Short press the "☀️" button to adjust the brightness.
Switching Between White Light and RGB Color Light: Short press the "☀️" button twice.
RGB Color Light: Automatically cycles through all colors. Short press the "☀️" button to pause or resume the color cycle.

**Note:** The UV-LED lamp and the LED ambient lamp are controlled by their respective switches without interference.

## 3. Battery Life:

The product's battery capacity is 4500mAh. When fully charged:

- Operating the UV-LED lamp lasts about 12 hours;
- Operating the LED ambient lamp lasts about 60 hours;
- Running both the UV-LED lamp and LED ambient lamp simultaneously lasts about 10 hours.

## 4. Cleaning:

- Before cleaning, always unplug the appliance and turn off the power and unplugged. Wait at least ONE minute for the current to drain completely before cleaning.
- To ensure your electric insect killer functions at its best, clean it once a week. This prevents the accumulation of dead insects, which can impair the product's performance or cause continuous electrical discharges that might lead to malfunction.

## Warning!

1. DANGEROUS HIGH VOLTAGE. During use, avoid attempting to contact the high-voltage internal grids. Never place metal items inside the grid while it is active.
2. Keep the bug zapper away from children, barns, and similar places.
3. Do not use the bug zapper in places with flammable gases. explosive dust. biogas, explosive materials. hazardous chemicals, etc.
4. Wait at least ONE minute to discharge the current completely before cleaning the device.
5. Please ensure the high voltage grid is promptly cleaned of any dead insects to prevent potential short circuits on the metal mesh.
6. The product is not waterproof. Please refrain from using it outdoors during rainy conditions, and avoid rinsing the product with water to ensure its proper functionality and safety.

## CONTACT

**Manufacturer:** Shenzhen Rock Creation Technology Co., Ltd.

**Address:** 4/F, No. 2, Aoxiang Road, Zhangbei Community, Longcheng Street, Longgang District, Shenzhen City, Guangdong Province, China

### **UAB Qwa,g Europa**

Pranciškų g. 6-46, LT -01133 Vilnius, Lithuania

Technical Information Center

Geschwister-Scholl-Str. 73. 60488 Frankfurt, Germany

Email: [qixiang.europe@gmail.com](mailto:qixiang.europe@gmail.com)

— +49 6976 895074

### **CET Pnslud Savic& Lid.**

Beacon House Stolcenchurch Business Park,

Ibstone Rd, Stokenchurch

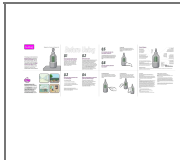
High Wycombe HP14 3FE UK

Email: [Info.cetservice@gmail.com](mailto:Info.cetservice@gmail.com)

Phone: +44 741 932 5266

**MADE IN CHINA**


# Documents / Resources



[buzbug MA-21 LED Bug Zapper \[pdf\]](#) User Manual  
MA-21 LED Bug Zapper, MA-21, LED Bug Zapper, Bug Zapper, Zapper

## References

- [User Manual](#)

 Bug Zapper, Buzbug, LED Bug Zapper, MA-21, MA-21 LED Bug Zapper,  
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