

RAMTRONICS INDUSTRIAL CO., LTD.

Anti-Mosquito Multi-Function Camping Lamp - Product Manual



1. Principle of anti-mosquito (mode)

When entomologists study the physiological characteristics of mosquitoes, they find that mosquitoes are particularly sensitive and fond of certain light waves, and particularly disgusted by other light waves. Mosquito individuals under this light wave will appear in states such as disorderly flight and decreased vitality. The LED series Anti-mosquito light produced by our company has warm white light, which can instantly generate a large amount of light that mosquitoes don't like, so as to achieve the effect of repelling mosquitoes.

2. Features of anti-mosquito (mode)

- 2.1. The Anti-mosquito spectrum of this product adopts the special spectrum technology. The visible light emitted does not contain high-energy blue light and purple light components, and has no harm to the eyes and skin of humans and animals. It is an environmentally friendly product. It has passed domestic professional experiments. According to laboratory testing, the Anti-mosquito rate is as high as 91.5%. It is the most safety and environmentally friendly high-efficiency physical anti-mosquito product both domestic and foreign.
- 2.2. The product adopts DC5V/Type-C design to meet the needs of domestic and overseas markets.
- 2.3. The product adopts high-efficiency LED special spectrum and flicker-free technology, which is energy-saving, safe and environmentally friendly.
- 2.4. The unique anti-mosquito light source with two-stage adjustable design can be used for a long time without dazzling the eyes.

3. Product parameters

Name	Anti-mosquito multi-function lamp
Part No.	RICO-HJ-601
Color Temp.	3000K /5000K
Voltage	DC5V (Type-C)
Battery	4000mAh (26650)
Waterproof	Life waterproof
Material	ABS
Size	47*136mm
Weight	230g

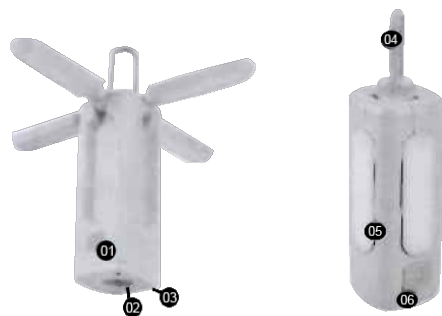
4. Product, function introduction and applicable environment

Product introduction

- ① Waterproof switch
- ② XPE Powerful headlight
- ③ Strong Magnet
- ④ Silicon hanger
- ⑤ LED Sidelight(180 degrees adjustable)
- ⑥ Type-C charging port/USB power bank socket

Function introduction

- ① Camping mode (white light high/middle)
- ② Anti-mosquito mode (warm white light high/middle)
- ③ Headlight (flashlight) mode (high/middle/strobe)
- ④ Warning mode (red light flash)



RAMTRONICS INDUSTRIAL CO., LTD.

[Operation]

Press the switch once to enter the ① and ② side light mode cycle;

Press the switch twice to enter the ③ headlight mode;

Press and hold the switch for three seconds to enter the ④ warning light mode.

※Under any mode, you can switch to other modes through the switch.

For example: in Anti-mosquito light mode, press the switch twice to switch to headlight mode; in headlight mode, press and hold the switch for three seconds to switch to warning light mode.

Applicable environment

It can be used for camping, B&B (bed-and-breakfast), mountain climbing, fishing, and car use, and can also be used in the yard at home.

5. Effective range of Anti-mosquito mode

Anti-mosquito mode (8W) is for 6~8 m² (square meters) of area

6. Notice

- 6.1. Please use the USB charging cable provided by the original manufacturer to ensure that the product functions normally.
- 6.2. Please do not disassemble this product by yourself to avoid affecting the function and warranty.
- 6.3. Please do not keep it in contact with sunlight, water, chemicals, corrosive gases, etc. for a long time to avoid oxidation of the surface of the headlight lens.
- 6.4. This product is waterproof for daily use. Generally, it will be fine if it is exposed to rain or splashed with water. However, please do not put it into water or take it for diving.

7. Notes Safety warning

- 7.1. Do not shine the headlight directly into anyone's eyes to avoid affecting the vision.
- 7.2. If not used for a long time, please store it fully charged and charge and discharge again every 3 months.
- 7.3. Do not use a fast charger to charge Type-C.

8. Anti-mosquito basic Q&A

- 8.1. How effective is it to use Anti-mosquito mode light?

The Anti-mosquito light has a repellent rate of 91.5%, which is the highest mosquito avoidance effect currently available in China. After using the Anti-mosquito light, you will notice a significant reduction in mosquitoes. They will be afraid of the light and try to hide in dark corners such as wall angles or furniture, resulting in fewer mosquito bites. It takes some time for mosquitoes to change their movement patterns, so initially, they may try to return to their original location even if they dislike the light. However, after a few days, the mosquito population will decrease, and with patience and consistent use for about a week to two weeks, you can achieve a comfortable environment. Long-term use will yield even better results.

- 8.2. Can Anti-mosquito lights be used with other lamps?

Most conventional lighting fixtures emit a significant amount of blue light and a small amount of purple light, both of which can attract mosquitoes (phototaxis) and interfere with the effectiveness of the Anti-mosquito light. Therefore, it is recommended to turn off other lighting fixtures when using the Anti-mosquito light in the evening.

- 8.3. Why are there some small flying insects when using the Anti-mosquito light?

The spectrum of the Anti-mosquito light has a strong light-avoidance effect on mosquitoes. However, it can attract certain small insects such as small moths and winged termites that are phototactic and are attracted to various types of light. These insects are not mosquitoes, so there is no need to worry. If you prefer to avoid these small insects, you can choose the mosquito and insect-killing lamp, which can repel mosquitoes and eliminate these small insects.

- 8.4. How to use the Anti-mosquito light to be used for better effectiveness?

We recommend following these steps:

- 8.4.1. Clean the rooms: Before the mosquito season arrives, it is recommended to thoroughly clean and organize the rooms. Using insecticides to kill mosquitoes and eliminate mosquito eggs is particularly important to prevent large-scale mosquito breeding and increase the difficulty of mosquito control later on.
- 8.4.2. Sufficient brightness: The Anti-mosquito light is most effective when it emits sufficient light. It is recommended to install the lamp at a height of around 2 to 3 meters. Generally, for larger spaces, a higher wattage Anti-mosquito light should be selected to achieve better effectiveness
- 8.4.3. Installation location: It is recommended to install the Anti-mosquito light in areas with frequent human traffic, such as outside the main entrance of the room, on the exterior walls or ceiling of balconies. Additionally, it is strongly advised to install window screens indoors to prevent mosquitoes from entering.

Warranty Card (One-year warranty)

Name		Telephone		Date of purchase	
Model		Repair location		Where to buy	
Address					

RAMTRONICS INDUSTRIAL CO., LTD.

Remark					
--------	--	--	--	--	--