

SOLAR BOAT GUARD

INSTRUCTIONS

OPERATION

- A strong ultrasonic signal which frightens wild animals. The animals avoid the area because of its unpleasant ultrasonic sound. The sound is activated when an animal enters the range. Thus, animals cannot get used to the sound, and the repulsive effect is stronger.
- A strong flashing scares bird and wild animals. The strong flashing is activated when an animal enters the range causing the pest to flee.

WHERE TO PLACE THE DEVICE

1. Install this device to the direction of invading pest for best effect.
2. When installing this device, choose a place where the solar parts on the top of the unit can get as much sun as possible and avoid the obstacles which block the sun's rays.. If there is dust or dirt on the solar panel, wipe clean to ensure the high efficiency of photoelectric conversion.
3. Fix the spike stake on the unit. Plant the unit into the ground at the place that seems more favorable. (If using in the garden) Initially it may be difficult to connect the spikes for the first time, which is normal. After using several times, it will be easy to install them so DO NOT use external force to hammer the top of products. When selecting the installation place, choose a suitable terrain to ensure water won't dip the USB interface (see chart) in bad weather conditions, in order to avoid damage to the product.
4. The back of device has the hang hole, you can hang up the device and face toward the affected area.



SETTINGS

- Button "SENS" (Left): Is for adjusting sensitivity and distance. By turning the knob clockwise, you increase the range of protection. To repel small animals, turn the knob up to the right.
- Button "FREQ" (Right): Frequency control. By turning the knob clockwise, you increase the frequency.
- Button "FREQ" Position:
- 0: OFF

- 1: 13.5KHz-17.5KHz Repels animals such as mice, small rodents.
- 2: 15.5KHz -19,5KHz Repels animals such as large dogs, foxes.
- 3: 19.5KHz -23.5KHz Repels animals such as small dogs, cat, birds.
- 4: Strong flashing
- 5: All functions working, sweep frequency from mode 1 -- mode 2 -- mode 3, and turn on strong flashing. This is the best function as it will cover all the functions of the device.

Important: To change a setting, you must always start from OFF position and then go directly to the function you need. If you want to change the setting, you always have to restart from Off position. (Eg. if you go from 5 to 3 directly, the frequency result will be different from the real 3 position).

Protecting Battery Performance

1. When using the device for the first time, fully use the battery power (included with the device).

When the power has been fully used from the battery, the red-light low voltage indicator will continue to flash. Please then connect the device to a USB output interface (such as a computer, mobile phone charger or MP3), using the USB cable included with the device. After fully charging, the red indicator will turn on - and stay on). When the battery power is fully used, charge again. Due to transportation, warehousing and distribution, the time taken to recharge the battery may initially vary. This is normal. After charging the battery three times, the battery will stabilize its charging pattern and duration.

2. If the rechargeable battery is new or the battery has been stored in the device without using for more than one month, it is normal for the rechargeable battery to charge quickly. It will need charging three to five times for the battery to stabilize it's charging pattern. If the rechargeable batteries have been used for a long duration but are charging quickly, it may mean that you need to change the batteries shortly.

3. If the device is not used for a long duration, we recommend replacing the three 1.2V AA rechargeable batteries (replace with Ni-Cad or Ni-MH). The better quality the batteries and the larger capacity, the better overall performance of the device.

4. Dispose of the batteries according to your country's laws and regulations.

TECHNICAL DATA

Power supply: 3 rechargeable batteries (recharged by solar panel or USB line)

Infrared sensor angle: 110 degrees

Detection range: 8 to 9 meters depending on animal size (For largest animal, increase the range).

ADDITIONAL INFORMATION RELATIVE TO ULTRASONICS:

Some humans can hear part of the ultrasonic's range (usually teenagers and children), therefore place the device as far as possible from humans in order to avoid annoyances.

Do not install this device in a children and baby playing ground area.

