



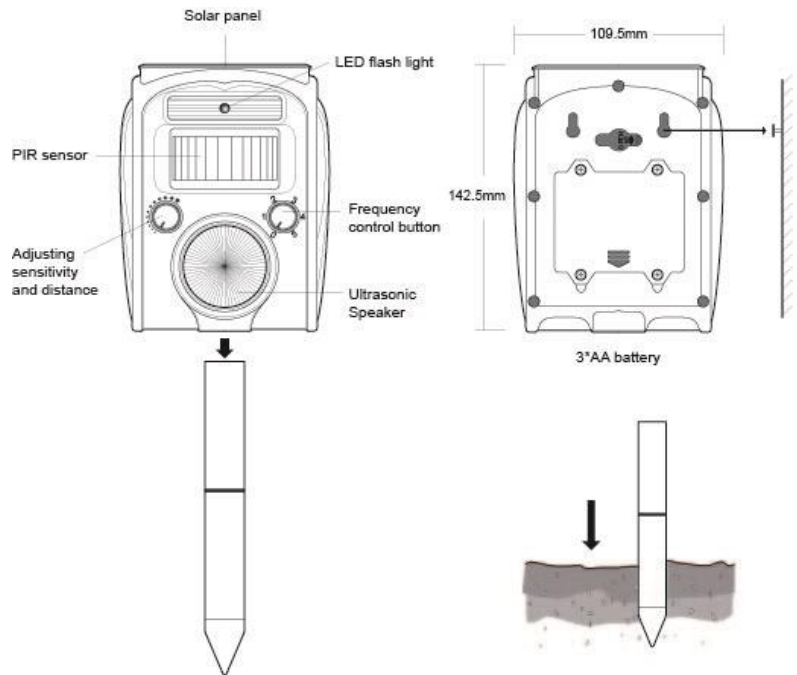
Solar Animal and Bird Repellent GS-502

USER INSTRUCTIONS

Thanks for purchasing our device. Please read and understand these instructions and keep this manual for future reference. This item uses solar power to recharge the batteries, so it always works after the battery is recharged. The Passive Infrared sensor (PIR) detects motion and triggers the ultrasonic speaker, emitting a tone that animals can feel, which chases them away. **Our device is very effective, creating an unpleasant environment for the animals using ultrasonic sound. Sooner or later, they will leave your property.**

Operation

- A strong ultrasonic wave to frighten animals. The wave is activated when an animal enters the PIR Sensor range, then the animals feel uncomfortable and will run away from the area.
- A strong flashing LED to scare animals. The strong flashing LED will be activated when an animal enters the area, then the animal will be scared and flee away.
- In order to have better effect, we add an alarm sound to scare wild animals.



Set Up

- "Sensitivity" Button (Left): You can adjust the item's sensitivity and distance. By turning the knob clockwise, you increase the range of protection.
- "Frequency" Button (Right): This is to control frequency. By turning the knob clockwise, the frequency will be increased.
- "Frequency" Button position options:

MODE	DESCRIPTION	ANIMAL
0	Off	---
1	Audible beep (13.5-19.5 kHz)	Cats, dogs, birds, etc. + all animal types of Mode 2 and 3
2	High frequency beep (19.5-24.5 kHz). When placed in the garden, the sound is barely audible.	Raccoons, badgers, skunks, martens, foxes, etc. + all animal types of Mode 3
3	100% Ultrasonic quiet (24.5-45.5 kHz)	Bats, mice, rats, rodents, etc.
4	Alarm + strong LED flashing lights	Wild animals
5	Combined audible beep (13.5-45.5 kHz) + strong LED flashing lights	The most effective: all animals



Assemble and Install

1. Remove the battery compartment on the back. Install 3 x AA size rechargeable batteries (batteries are included), then close the battery compartment.
2. Point the unit towards the area you want to protect (for example, in the flowerbed or against the wall, etc.)
3. Remember to choose a place where the solar panel on top can get as much sun exposure time as possible, or use the supplied transformer.
4. If you mount the unit in the ground, insert the spike into the ground carefully. Please leave the spike 12cm or more above the ground. It is suggested that you dig a hole and then insert the unit to ensure no damage occurs.
5. The item can be inserted in the ground, mounted against the wall, or the top part can be placed directly on a flat surface.

Technical Specifications

- Infrared sensor angle: 110 degrees.
 - Detection range: 8-9 yards, depending on animal size (the bigger the size, the larger the range).
 - Power supply: solar power + 3 x AA size rechargeable batteries or 5V adapter.
 - solar panel: 7V, 35mA
 - Power Consumption: standby current: 1.2mA. working current: 32mA
 - Red LED: indicates the unit is activated.
 - The unit should work for 24 hours after charging of the batteries (via solar charging or using the adapter). During cloudy or rainy periods without sunlight, recharge the batteries via the adapter.
- If using the adapter for an extended time or keeping the unit always plugged in, remove the batteries from the unit. Because there is a permanent power source, the motion detector which designed to save battery power becomes very sensitive, and the device will work almost non-stop or in some cases non-stop.

Battery Issue

1. If using new rechargeable batteries or if the batteries in the product have not been used for a long time (more than 1 month), their power may be fully released. Charge the batteries 3-5 times to activate, and they will be ready to use.
2. **If the batteries have been used for a long time and now can be charged fully very quickly, it means you need to change the batteries.**
3. If the battery will not be used for a long time, please replace 3 x 1.2V AA size rechargeable batteries (NiCad or Ni-MH) in the battery compartment. The better quality the batteries are, the bigger the capacity of the batteries, and the better effect the item will have.
4. Please take batteries for disposal to the recycling center for proper disposal. You can consult the local government for more information.

Caution:

1. It is possible that humans can hear part of the sound range, so put the device as far as possible from human living spaces. Do not install the device in a children's or babies' playground area.
2. Do not cover the PIR sensor.
3. To clean the device, use a damp cloth and mild soap with water. Do not use harsh chemicals or abrasive cleaning agents that may damage the device.