



# Solar Power Animal Repellent

## GS-501

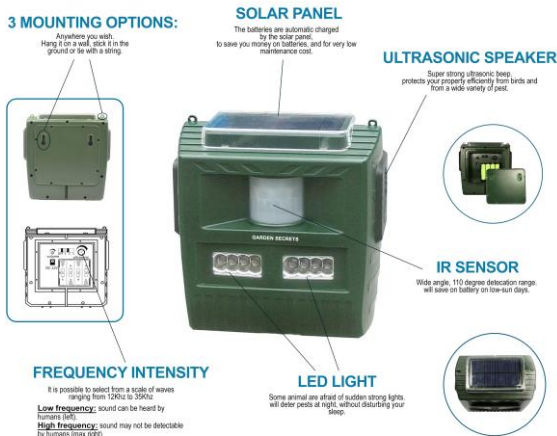


**En original instruction (English)**

Thank you for purchasing our animal repeller.  
**Our device is very effective, because it creates an unpleasant environment for the animals using ultrasonic, and sooner or later they will leave your property.**

For best results, please read these instructions prior to using the repeller and retain for future reference.

**CAUTION:** Persons with pacemakers, please consult your doctor before using.



## **Installation:**

Choose a location that needs protection and receives good sunlight. For best results, the repeller should receive at least 8 hours of sunlight or you will need to connect the transformer. This repeller is designed for long term use, allowing you to place and leave it. It is also weatherproof allowing it to work all year round (except for very rainy days). The repeller can be hung or inserted into the ground using the ground stake provided. To use the ground stake, simply insert the flat end into the bottom of the repeller.

**WARNING: ALWAYS CHECK FOR UNDERGROUND UTILITIES, CABLES AND/OR WIRES BEFORE DIGGING OR INSTALLING. FAILURE TO CHECK COULD RESULT IN PERSONAL INJURY, PROPERTY DAMAGE OR EVEN DEATH.**

After checking for underground utilities, prepare the ground for the stake by digging or pile driving a hole suitable for the repeller. Do not hit or strike the repeller unit or stake to drive it into the ground – this will damage the unit and void any warranty. Make sure the ground stake is firmly in the ground and not loose.

## **Operation:**

Before first use, open the back cover using the attached screwdriver.

If you want to supply power to the device using a power source please connect the transformer (but not the batteries!).

If you want to supply power to the device using solar energy, remove the tab from the rechargeable batteries to allow contact and install them.

Next, please allow two full days of sunlight to charge the batteries while the repeller is in the "OFF" position, or charge the unit using the adapter for 24 hours, or charge the batteries with an external charger.



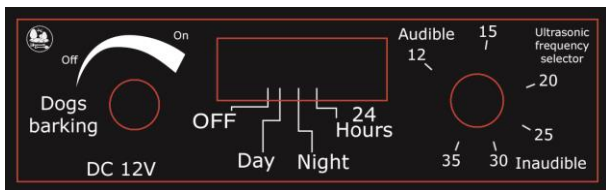
## **Means of Deterrence:**

Normally, the repeller will be in standby mode. Only when motion is detected (range of 30' and arc of 110 degrees) will the repeller activate. There are 3 means of deterrence to use, please see below for details.

- **Ultrasonic Frequency Selector:** Using ultrasonic/infrasonic sound waves there are a selectable scale of waves ranging from 12 kHz to 35 kHz.  
It is recommended to change the frequency every two weeks so that animals do not adjust to the sounds.
- **LED Flashing:** Animals fear sudden lights so this mode is for intimidation.
- **Alarms (optional):** Audible repellent uses a series of seven different recorded sounds (Gun Shot / Siren 1 / Boar Squeal / Siren 2 / Banging Noises / Siren 3 / Dog Barking). The repeller will cycle through these sounds, which will prevent animals from getting used to any one sound and increasing its effectiveness. Adjust the loudness as needed. Usually there is no need for alarms; the ultrasonic does the job well. If the animal is still not deterred by the ultrasonic, the screams must also be activated.

## **Device Orientation:**

1. Choose whether you want your device to work on a night or 24 hour basis.
2. Select the frequency of the ultrasonic.
  - High frequency is inaudible to humans.
  - Low frequency is audible for humans.
3. Select whether you want to add dogs barking and sirens as well.
4. If the appliance is in the home or in a place where there is no sun, please remove the batteries and plug it in with the supplied transformer.



## **Specifications:**

1. Power Supply: 4 \* "AA" Rechargeable NI-MH 2500 mAh, 1.2 V.
2. Power Consumption: 0.2 mA (standby), 80 mA (working)
3. Solar Panel: 7 V, 40 mA
4. Frequency Range: 12 kHz (audible) to 35 kHz (inaudible to human)
5. Coverage Area: 24 yd / 7.5 m (110 degree), 550 sq ft / 55 m sq
6. Transformer:  
Size: 5.5 \* 2.1 \* 10 mm \* 1m  
Input: AC 100~240 V  
Output: 7.5 V, 500 mA  
Weight: 150 g  
Charging Time: 24 hours



## **Note:**

1. Allow the repeller to work continuously for best results.
2. If pets are in the protected area, turn the repeller OFF. Not for use near pets such as hamsters, gerbils and ferrets.
3. Do not immerse repeller in water.
4. **Extreme weather such as stormy days, disconnect and take the device home.**
5. Do not cover or block the motion detector.
6. Clean the unit using a soft, damp cloth with mild soap and water. Do not use harsh chemicals. Keep the solar panel clean.
7. Remove batteries if unit is not in use for long period of time. Always recycle or dispose of used batteries, in compliance with local, state and federal regulations.
8. **After some time the batteries may start to loose efficiency, these can be replaced by four AA size rechargeable NiMh 1.2 V batteries are recommended.**

**WARNING:** Disassembly of the electronic components within this unit may result in exposure to lead in the form of solder, which is known to the state of California to cause cancer, birth defects and other reproductive harm. No replaceable parts inside the unit.



## **Frequency Selection:**

It is best to use the lowest possible frequency as it is more effective! Every two weeks we recommend slightly changing the frequency to prevent the animal from getting use to the noise.

<b>Animal</b>	<b>Recommended Frequencies (kHz)</b>
Deer	12-20
Raccoon	12-20
Skunk	12-20
Dog	12-25
Fox	12-20
Cat	12-20
Rat	12-35
Mouse	12-35
Rabbit	12-30
Opossum	12-35
Bat	12-35
Bird	12-15
Squirrel	12-35

## **Frequently Asked Questions:**

### **The device stopped working, what to do?**

When devices stop working, this is usually due to problems with batteries, please do the following:

- Open the back cover, remove the batteries, and connect the unit to a power source using the supplied adapter.
- If the unit works while the unit is connected to a power source - the batteries are bad and must be replaced.
- If the unit does not work while the unit is connected to a power source - please contact us for further assistance.

### **What is the coverage area?**

The maximum coverage area is up to 24 ft from the appliance. The most effective coverage area is 7-10 ft.

### **What kind of animals is this deterring?**

The device has been engineered to deal with wildlife such as raccoons, skunks, deer, squirrels, rabbits, mice, rats, rodents, street cats, stray dogs, and so on. Wild animals are more sensitive than domestic animals. The device will generally not be effective on domestic animals such as cats, dogs, etc.

### **How It Works?**

The device emits a deafening sound (audible or ultrasonic) of your choice, causing the animals to feel uncomfortable and sooner or later they leave. Some animals are really afraid of the disturbing noise of the ultrasonic.

**When will I see results?**

It is very dependent on the animals. There are animals that will immediately fear the noise and some animals will feel the discomfort and after a few hours/days will leave your property.

**Is there 100 percent success?**

As in everything, there is no 100% success, some animals are born with defects such as deafness or mental disorders, and the device will not affect them. The device is very effective, for example, for raccoons that settled in your yard or a deer that comes every day to eat your plants.

**What about responsibility?**

We stand behind our product, and give a comprehensive warranty for a whole year. See all warranty details or visit our website.

## **Technical Faults:**

We offer you a technical support team.

If you have a technical problem with your unit, please scan the following code:



In the code, you can find technical troubleshooting solutions, as well as how to contact our support center (if necessary).

**We are here for you!**