

**Aimertech**

The Most Innovative Animal Repelling Device

# **The Gardener™ Mini**

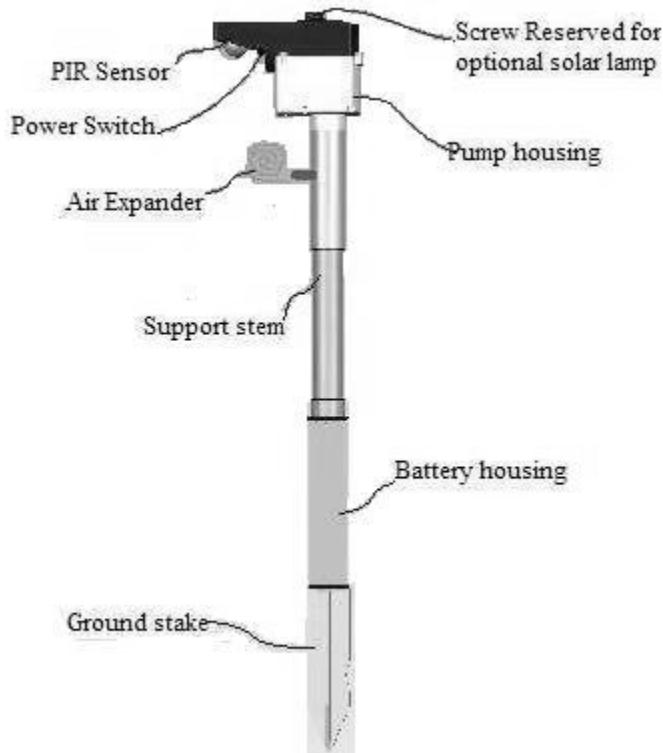
## **Owner's Manual**

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## 1. Major Components in the Guardener™ Mini

The Guardener has 7 major components as shown in the figure.



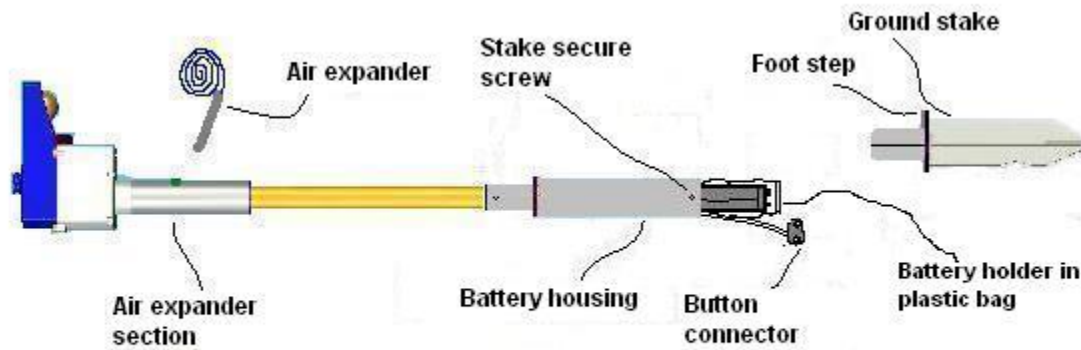
- PIR Sensor: senses approaching deer and other animals
- Pump Housing: contains air pump for pumping air
- Air Expander: also known as “party blower” for scaring animals
- Supporting Stem: plastic pipe
- Battery Housing: contains battery holder with 8 AA batteries
- Ground Stake: secures device

## 2. The Guardener™ Mini Installation Guide

The Guardener™ Mini can be easily assembled through simple connections:

1. Remove the battery holder from the enclosing plastic bag and insert all 8 batteries (AA size) into it. Put the battery holder back into plastic bag for moisture protection. The battery holder connectors should be at the open end of the plastic bag.
2. Pull the button connector with its wires extending out of the battery housing. With the connectors of battery holder facing outward, slowly push the bagged battery holder into battery housing until halfway in. Attach button connectors to the holder connectors and then push it completely into housing.
3. Remove the ground stake secure screw and insert the ground stake into the battery housing, secure it by attaching back tightening the secure screw.

4. Install whole assembly at your ideal location, step on the foot step for easier ground insertion
5. Insert an air expander into the hole in air expander section
6. Switch power on, ready for test



### Test and Use after Installation

When the power switched on, the sensor will start initiation, which roughly takes one minute to complete. This process is indicated by a blinking signal inside the Fresnel lens. After initiation you can test the function by waving your hand in front of the sensor. In 2 or 3 seconds you will hear a small buzzing sound signaling the ultrasound unit beginning frequencies of 24k, 28k and 32k Hz ultrasound. Right after two cycles of ultrasound wave, each last 2 to three seconds, the air expander should quickly blow out with audible noise. Three more blowouts will follow to enhance scaring effect to invading animals.

Enjoy your Guardener Mini protecting your precious flower beds and other plants!

## 3. Frequently Asked Questions and Answers

Q01: What is The Guardener™ Mini?

A: The Guardener™ Mini is the smaller sister of the two Guardener™ two intelligent devices aimed to stop deer and other animals from invading garden crops or precious flowers. Designed for guarding smaller flower beds, the Guardener™ Mini is a battery powered, maintenance free device--aside from changing batteries when needed.

Q02: How does The Guardener™ Mini deter animals?

A: The device is equipped with 2 effective yet non-harming weapons to deter animals. First, it issues an ultrasonic alarm which can only be heard by the animals when they approach to a specific area set by the sensitivity. If the animals are not deterred by the alarm, the second weapon--pressurized air will quickly expand the air expander (party blower) to scare them away.

Q03: How does the device know animals are approaching?

A: The device uses a motion sensor to detect the presence of nearby animals.

Q04: What is the effective range of the motion sensor?

A: The range of sensor installed in Guardener™ Mini is intentionally fixed at a smaller range. The umbrella range can be an area of 5 to 7 feet in diameter. Different weather conditions may slightly alter ranges.

Q05: How much area can the Guardener™ Mini cover?

A: To differentiate it from its bigger sister, the Guardener™ Mini concentrates on smaller area of approximately 5 feet in diameter. However, the scary noises caused by the air expander and ultrasound waves can ultimately double the range.

Q06: Can the air expander hurt animals?

A: No. The air expander has expanding material exactly the same as the party blower used in a party to scare people.

Q07: What is the major difference between the Guardener™ Mini and its bigger sister?

A: While both sisters are equipped with ultrasound to deter animals and use similar sensor to detect the existence of them in the neighborhood, the major difference is that the Guardener uses sprinklers to blast water toward animals, while the Guardener™ Mini uses pressurized air to drive the air expander for scaring effect.

Q08: Can the pressurized air hurt people or animals?

A: No. The air pressure only reaches to 9 pounds per square inch (psi), which is similar in effect to the air blowing from your mouth.

Q09: How long the air expander can last?

A: Under normal condition, it should last for more than 400 times of expand-retreat operations and this means whole season long of use. However, it can be damaged by plant branches or other falling objects in the garden.

Q10: How do I replace the air expander?

A: It is easy. Just hold the support stem of The Guardener™ Mini and pull the air expander away and insert a new one (4 spare ones are included) into the same hole on the air expander section. Please remember to have the curl portion of the expander on the top when you insert.

Q11: Will rain or water damage the air expander?

A: No. It is made from water proof material.

Q12: Where can I buy extra air expander?

A: We include spare air expanders. If for any reason, you need more, you can buy from us directly, or you can buy from party supply stores. Just make sure the blow pipe has the same diameter and it is water proof to sustain outdoor environment.

Q13: My garden is near a street. Will the vehicles driving by activate my Guardener™ Mini?

A: Since the sensor is not facing to the street, it will be fine. In addition, there is a delay time sensor activation such that a fast moving object will not cause the sensor to respond.

Q14: How does the air expander work?

A: The air expander fully expands initially to scare animals. Three additional blasts of air follow in succession to enhance the scare effect.

Q15: Under normal use, how long can a set of batteries last?

A: Under normal condition, a set of 8 AA alkaline batteries should last for the whole season. It is time to replace the batteries if the air expander slows in movement.

Q16: Can I use non-alkaline AA batteries?

A: Certainly. However, typical non-alkaline batteries do not last as long as alkaline ones. You may need to replace batteries more often if you do so.

Q17: Can the Guardener™ Mini be used for all year long?

A: The Guardener™ Mini is designed to operate in conditions that support plant life. It is mandatory to move The Guardener Mini to shelter in freezing conditions.

Q18: How do I store the Guardener™ Mini in the winter time?

A: You should move it into a shelter and have batteries removed and recycled properly.

Q19: What is the additional screw on the top of the Guardener™ Mini used for?

A: It is for installing optional solar power lamp for convenience and interest of some customers.

Q20: If I install the optional solar lamp, can the solar energy be used to power the air pump?

A: No. Solar lamp installation has nothing to do with the power system of the Guardener™ Mini.

Q21: Can I use hammer to help inserting ground stake?

A: Yes. However, we advise you to use rubber or wood hammer to do it. Please note that when you separate the ground stake from the battery housing, the battery pack will fall down unless you hold the whole support stem in horizontal position.

Q22: If I need to hammer down the ground stake, how I do it?

A: First, lay the entire device horizontally on the ground. Separate the ground stake from the battery housing. Hammer the ground stake deep enough to secure the Guardener™ Mini. Remove the ground stake and re-insert into to battery housing. Finally, you can secure the Guardener Mini by re-inserting the entire device into the ground.

## 4. Cautionary Reminders

- Ultrasound may cause adverse effect to your pets. Allow pets close to installed location at your own risk.
- Replace the batteries when the air expander begins to slow in movement.
- Any time when you replace the batteries, please remember to lay the assembly in horizontal position to prevent battery holder from sliding out, which may potentially result in damaging power wire.
- Replace the air expander when it is damaged.

## 5. Troubleshooting

If you encounter a problem which is not covered here, or if the suggestions do not solve your problem, please refer to detailed troubleshooting section of our website at [www.Aimergard.com](http://www.Aimergard.com) or email us at [support@AIMERGARD.com](mailto:support@AIMERGARD.com) or call us at 1.800.2599100.

### **The Gardener Mini Guarantee**

All AIMERTECH inc. products are backed by a 30-day money back guarantee. If The Gardener Mini does not meet your expectations, return it to where it was purchased, in new condition within 30 days of receipt for a full refund of the purchase price.

### **The Gardener 1 year Warranty**

AIMERTECH inc. warrants to the original purchase of its products that the product will be free from defects in material and workmanship for a period of one (1) years. This warranty does not cover damage caused by God, abuse, misuse, improper maintenance or damage caused in transportation.

AIMERTECH inc. is not responsible or liable for indirect, special, or consequential damages arising out of or in connection with, the use of this product, or damages with respect to any economic loss, loss of property, or loss of revenue or profit.

Except as provided herein, AIMERTECH inc. makes no express warranties, and denies any implied warranty or merchantability or fitness for a particular purpose. Charges will be rendered for repairs to the product after expiration of the aforesaid warranty period. This warranty may not be transferred.

To activate your warranty, please return the warranty registration portion of these instructions by fax or mail. We welcome your comments and experiences with The Gardener on our website at <http://www.aimergard.com>

### **Return Policy**

We want you to be happy about having our product. If you have any problem, please call us toll free at 1-800-282-3037. If we can help you over the phone, we will, and if not, we will give you a return authorization number and shipping instruction. When we receive your package we will repair, replace or promptly issue a refund at your option if purchased directly from AIMERTECH inc. Unauthorized returns will not be accepted. Refunds can only be made by the retailer transacting your purchase. Please call before sending any package.

## Questions?

Visit our Web site online at [www.aimergard.com](http://www.aimergard.com) or call us between 8:00 and 4:30 EDT.

