

Aspectek™
"Designed for you."



Bark  **STOP™**

Product Manual

About Aspectek™

Aspectek™ is a world leading supplier of advanced electronic products with over 20 years of experience in research and development.



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Bark Stop™ owner's manual

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Bark STOP™

This manual will provide you, the user, with directions for the safe and efficient operation of the Bark Stop™. Please read this manual carefully before using this product, and keep it for future reference.

IMPORTANT!

Before you plug in your unit, it is important to understand sonic and ultrasonic signals.

The sonic signal is the alarm/harrassment sound humans can hear. Combining this sound with ultrasonic may give you better results for startling and repelling intruders and animals from your yard. However, if the sonic sound bothers your neighbours, you can turn this off using the "Sonic Volume" dial. Just turn the volume dial to zero.

The ultrasonic signal is the high-pitched frequency that only animals can hear. This sound will be emitted whenever your device is on (plugged in or on battery power).

You can adjust the frequency using the Frequency dial, but you won't turn it off by adjusting either the Sonic Volume or Frequency dial.

INTRODUCTION

The Bark Stop™ pest repellent by Aspectek™ is the industry's most advanced outdoor dog silencer and anti-pest product. The product brings together peace of mind and affordability as a result of years of research and innovation. This device allows you to humanely train a dog to stop barking. You can also use the pest repeller to rid your yard, garden or outdoor area of pests without the use of poisonous chemicals.

How does it work?

The Bark Stop™ uses ultrasonic technology to provide two effective functions in one device. The first function is the Bark Stop™ dog silencer. The ultrasonic is safe for your dog and provides a consistent message to put an end to nuisance barking.

The second function is the ultrasonic pest repeller. The device is safe for humans and pets and won't even harm the pests you are trying to repel.

Features:

Your device is equipped with several features:

- AC adapter
- 10 metre (33 feet) extension cord
- Battery-operational: Requires four C batteries (*not included*)
- Intelligent Power System (IPS): AC power will take priority over battery when both are installed. In the case of power failure, device will switch to battery backup when batteries are installed
- Ultrasonic: Adjustable frequencies so high that only pests can hear them
- Sonic: Audible alarm and harassment noise
- Modes: Motion Sensor or Constant
- Infrared Motion Sensor: Detects pests in range and activates device
- Dog Bark Sensor: Detects barking dog(s) and activates device
- Operating Time: Select Day, Night or 24 HR

SAFETY AND MAINTENANCE

1. Please read the manual before using the product.
2. Do not restrict airflow around the unit. Do not position behind furniture or curtains. For best effect, position in open areas.
3. Do not attempt to open the unit beyond its functional use.
4. This is not a toy. Do not hold up to your ears with either the ultrasonic or sonic sounds activated.
5. Please consider other people and their privacy and peaceful enjoyment of property before using the security alarm/harassment sound and Strobe Light.
6. This pest repellent is environmentally friendly, safe and harmless to pests and pets.
7. Keep the motion sensor lens clean by periodically wiping with a damp cloth.
8. Remove batteries when not in use to avoid leakage that could damage the unit.
9. Check all cables used to connect the device for cracks or damaged insulation. Do not use the device in case of defects or serious damage.
10. If repairs are required, original replacement parts should be used exclusively in order to avoid serious damage. Repairs or other work may only be carried out by authorized personnel. Please contact us for warranty information (*see page 18*).
11. Do not connect any power sources to 4C size battery holder except C size batteries, or it may damage the unit. Contact us for information about our special extension cord with alligator clip and D/C power plug for connecting to a 12V D/C or 24V D/C Sealed Lead-Acid (SLA) battery.

QUICK SET-UP

Congratulations on your new Bark Stop™! You have two options to get your device started. Your unit came with an AC adapter. Remove the back cover from your device and plug in the adapter. You will see an opening at the bottom of the unit that you can run the cord through.

If you don't have an electrical outlet available in the area, you will need four C batteries (*not included*).

When you install power, the unit will wait a few moments at which point a red light will turn on. Then your device is ready to operate.

All of your controls are located at the back of your device. Remove the cover to adjust the following settings as needed. You can either set your device to stop barking or repel pests.

STOP DOGS BARKING:

Ultrasonic: Set the Ultrasonic switch (top left) to Bark Sensor. This will override the pest repelling functions on your device. To switch back to the pest repeller function, turn the switch to Motion Sensor or Constant.

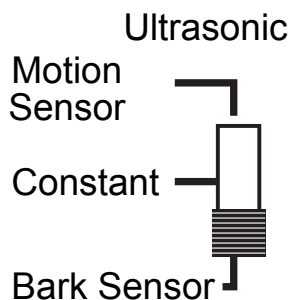


Fig. 1

Barking Sensitivity: The Barking Sensitivity dial is found on the bottom left of the control panel (see *diagram, page 19*). Set this dial to 16 to ensure it picks up the dog's barking. If you find it activates when the dog isn't barking, adjust it downwards as required.

The Frequency dial, Sensor Sensitivity dial and Sonic Volume dial are deactivated on the Bark Sensor mode. You can leave these at any setting.

PEST REPELLER:

The Bark Stop™ also comes with a built-in pest repelling function. To activate, choose the Motion Sensor or Constant setting on the Ultrasonic switch. The Bark Stop™ function will be deactivated.

Frequency Dial: You will see several types of pests listed around the Frequency dial (Fig. 2) and the ranges of frequencies that are ideal for repelling them. You can turn this dial to the setting that best suits your needs. If you are trying to repel more than one type of pest, set it somewhere within the ranges of each of them. Adjust the frequency slightly every few weeks to avoid allowing the pest to adapt to the sound.

Modes: The Bark Stop™ has two pest-repelling modes. Try both to see what works best on the animal you are trying to repel.

Motion Sensor: The Motion Sensor will activate the ultrasonic and sonic sounds when it detects the pests are in range.

Constant: The Constant setting will activate the ultrasonic and sonic noises and cycle through them at the range you fix intermittently. The motion detector will deactivate on this setting.

Sensitivity Dial: The Sensitivity dial adjusts the distance at which the device's motion sensor will work.

Sonic Volume: The Sonic Volume adjusts the loudness of the alarm and harassment sound. If this sound bothers you or your neighbours, turn it all the way down. The ultrasonic signal will still be effective in repelling pests.

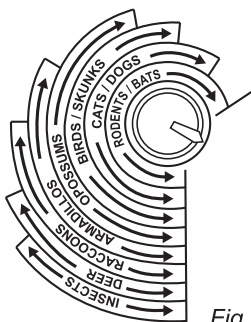


Fig. 2

Here are some suggested settings for common types of pests.

1. Raccoon: Turn the Frequency dial all the way to left (counter-clockwise) of the raccoon range, and blast the alarm/harassment sound.
2. Squirrels / Mice: Turn the Frequency dial to the right (clockwise). If you are not sure, start at the top of the range (right), and adjust it downwards until you find the setting that works best.
3. Rabbits: Turn the Frequency dial all the way to the left (counter-clockwise).
4. Birds / Crows: Turn the Frequency dial all the way to the left (counter-clockwise), and blast the alarm/harassment sound.
5. Dogs / Cats: Turn the Frequency dial all the way to the right of the range (clockwise), and adjust downwards until you find the setting that works best. Dogs and cats can have varying hearing sensitivities.
6. For large sized animals (deer, bears, etc.): Turn the Frequency dial all the way to the left, and blast the alarm.

PLACEMENT:

It's important to place the device where it will be most effective. For ground animals, like raccoons, coyotes, etc., place the unit near the height of the animal you want to repel or the dog you want to silence and facing the area where they most like to frequent. Don't place it on the ground as this will limit the effective range of the device. Using the screws, you can hang the unit on a wall, tree, fence, stairs, or even on top of your mail box. If your device is off the ground and higher than the animal's eye-level, tilt it downward somewhat. For animals that nest in trees - birds or squirrels - place the device on a tree or rooftop. The ultrasonic frequency has a range of up to 70 feet (21 metres), but the closer it is to the animal, the more effective it will be.

Ultrasonic signals cannot penetrate solid surfaces. Make sure there are no windows, doors, fences or other items in the way. The ultrasonic sound emits in a forward direction from the device with a range of about 170 degrees horizontal and 60 degrees vertical (*see diagram, page 19*).

THE SCIENCE BEHIND IT

The Bark Stop™ comes equipped with a variety of useful features. You will need to experiment to see which features or combination of features give you the best results.

The primary feature of your device is the ultrasonic signal. This is a high pressure sound that is only slightly audible to humans. However, it is very effective at teaching a dog not to bark or at startling and scaring away unwanted pests.

BARK STOP™:

Two technologies go into making the Bark Stop™ an effective dog silencer: ultrasonic and the Bark Sensor.

Ultrasonic:

On Bark Sensor, the ultrasonic will activate whenever the dog barks. You will know the device is activated if you see a green light on front. For the first couple weeks, the dog may react by barking at the machine. This is part of the learning process. The dog must learn to associate the ultrasonic with its barking. Many customers report improvement in the amount of barking within two to three days; however, it may take two to three weeks before you see results. Be consistent and keep the device set on the Bark Sensor during this time.

Note: If your dog doesn't react to the device as expected, he may need your assistance to understand the connection between the barking and the ultrasonic sound. Demonstrate to him that he should be quiet when he hears the device.

Unless local bylaws prohibit it, you can use the device to silence your neighbour's dog. If you have a dog or other pet and you don't want them to be bothered, ensure they are behind the device when it's activated.

Ultrasonic only travels in a forward direction. The device should be facing the dog with no solid surfaces such as fences or windows to block it. If there is a fence between your property, set it on top of the fence tilted downwards.

Bark Sensor and Barking Sensitivity dial:

The Bark Sensor detects the sound of the dog barking and activates the device. It can detect sound up to 50 feet (15 metres) away. For maximum coverage, turn the Barking Sensitivity dial up to 16 (to locate the dial, see diagram on page 19). If you find it is too sensitive to ambient noise, turn it down. This will depend on your environment and the size of the dog you are trying to silence.

PEST REPELLER:

The Bark Stop™ is also an effective pest repeller using ultrasonic, sonic, and motion sensor to effectively rid your property of unwanted pests.

Ultrasonic: The ultrasonic sound used to silence dogs is the same technology that can effectively drive pests from your property. Using a variable pulse generator, the ultrasonic emits a range of fluctuating sound waves to prevent the pest from becoming accustomed to the sound.

Using the Frequency dial:

In order to use the ultrasonic signal to best effect, you will need to become familiar with the ultrasonic Frequency dial. Remove the back cover from your device. It should snap off just like a lid. The Frequency dial is located in the top middle. It is the largest dial (Fig. 3).

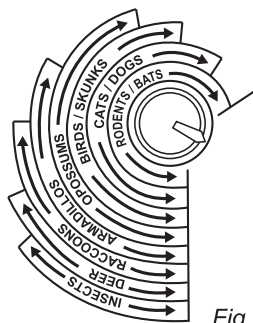


Fig. 3

You will see a variety of ranges indicated around the dial. These ranges are identified by the animals they ideally repel. Choose a range that best reflects the type of animal you are trying to repel. Insects and large animals are repelled by lower frequencies (counter-clockwise). Rodents are repelled by higher frequencies (clockwise).

Ultrasonic signals travel in a forward direction. You will need to point the device towards the area where you are having a pest problem. The signal will range 170 degrees horizontally and 60 degrees vertically from the device (see diagram; page 19).

Note: If you have a cat or a dog you may have to turn the device off when they are in the yard (see page 13). This depends on the frequency you are using because cats and dogs can have very different levels of hearing depending on age or size. Other types of pets such as rodents or insects may be more sensitive. Ultrasonic waves cannot penetrate surfaces, so put them in a box or leave them behind and out of range of the device.

Infrared Motion Sensor: Your device can be set to activate only when animals come into range. Set the mode switch to “Motion Sensor” to select this feature. When an animal or human enters the range of the device within 45 feet (14 metres), a red light will go on and the device will activate both the ultrasonic and sonic. The range of the sensor may vary due to ambient temperature.

Note: You can test your device to see if it is working by switching the mode to “Motion Sensor” and walking or waving your hand in front. If you see the red light, you will know the movement has been detected. If the Sonic Volume is turned up, you will also hear the alarm/harassment noise. The ultrasonic signal may also be slightly audible to some people.

The Motion Sensor is equipped with a dial that controls its sensitivity (Fig. 4). Turn it all the way up to ensure it works as well as possible (30). If you find the device activates when there are no animals in the yard, turn it down to about 25.

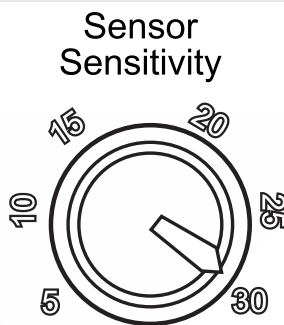


Fig. 4

Sonic: In addition to the inaudible ultrasonic signal, your device is equipped with a sonic signal. This helps to scare off any people or pests lurking around your property or large animals such as bears, coyotes, raccoons, skunks and birds. At full volume, the sound can be heard up to 300 feet (91 metres) away. It can also act as a security alarm for your yard.

How to use: The sonic signal is controlled by the Sonic Volume dial. To turn it up, turn the dial all the way clockwise. If you find the sonic noise bothers you or your neighbours, you can turn it off by turning the volume dial all the way down (counter clockwise) or simply lower the volume at your discretion. Adjusting the Sonic Volume will not affect the ultrasonic signal which emits at a fixed rate.

OPERATING TIME:

You may find your dog barks at certain times of day, for example, when you let him in the yard during the daytime, or maybe he barks when you are at work, disturbing the neighbours. As well, if you are using the pest repeller function, you may find it more useful at certain times of day. Some pests, like birds, are active only in the daytime. Others, like raccoons, are active at night.



Operating
Time
24 HR
Day
Night

Fig. 5

You can choose whether to operate your device only in the daytime, night time or 24 hours with the power-saving Operating Time feature (Fig. 5).

OPERATING THE BARK STOP™

Using the A/C Adapter:

Remove the back cover of the unit by gently pulling off. Plug one end of the A/C adapter into the 9 volt D/C jack located beside the frequency dial. Plug the other end into any standard A/C outlet. Thread the A/C adapter cord through the notch at the bottom of the unit and then replace the back cover by snapping it into place (for diagram, see page 19). If you do not have a weather-proof electrical outlet, the adapter should be plugged in indoors. The device and the 9-volt port are weather resistant, but it is best to protect the Bark Stop™ from heavy rains or snow.

Connecting the extension cord:

To connect the extension cord, simply plug in the small side of the extension cord at the back of the unit where it indicates D/C 9V, then attach the other larger plug into the A/C adapter (Fig. 6).

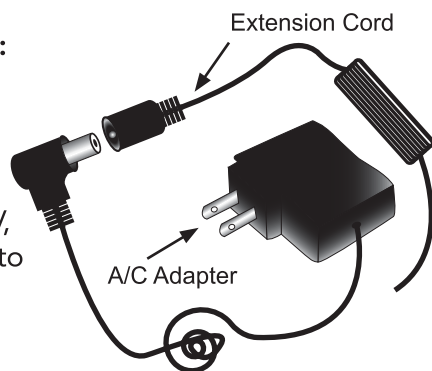


Fig. 6

Installing the batteries:

The Bark Stop™ can also operate on batteries. It uses four size C batteries. To install the batteries, remove the back panel by gently pulling it off. Install the batteries as shown on the diagram (see page 19) so the positive and negative poles match the poles printed on the unit. With the batteries in place, replace the back cover of the unit by pressing it until it snaps closed.

Intelligent Power System (IPS):

The Bark Stop™ is designed to provide uninterrupted protection even during a power failure. Install four C batteries and plug in your device. Your device will be powered through electricity. If the power fails, the device will automatically switch to battery backup.

Available Power Source Accessories:

Some of our customers choose to use their device in remote areas, or areas without traditional power outlets. The Bark Stop™ can be connected to a 12V D/C or 24V D/C Sealed Lead-Acid (SLA) battery using our special extension cord with alligator clip and D/C power plug (Fig. 7). It can also be powered by a vehicle's "cigarette lighter" power outlet with our special adapter cord (Fig. 8). For ordering information, see page 19.

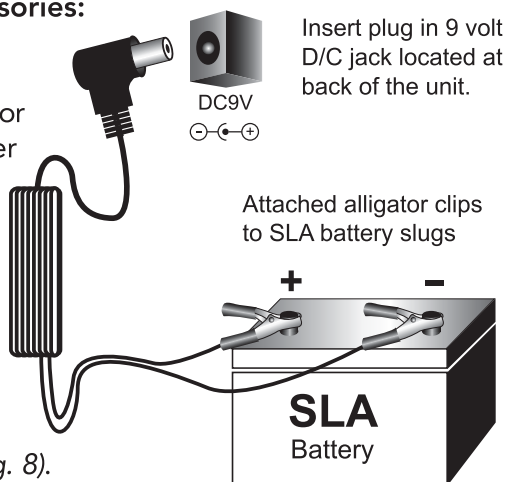


Fig. 7

In addition, we have 65 feet (20 metres) extension cords available (Fig. 9).

Turning the Bark Stop™ on and off:

The Bark Stop™ does not have an on/off switch. To turn it off, unplug it or remove the batteries. To turn it on, plug it in or insert batteries.

When the unit is plugged in or batteries are installed, it will trigger a red sensor light within 20 seconds. The light will stay on for about 20 seconds, after which the device will be ready to operate.

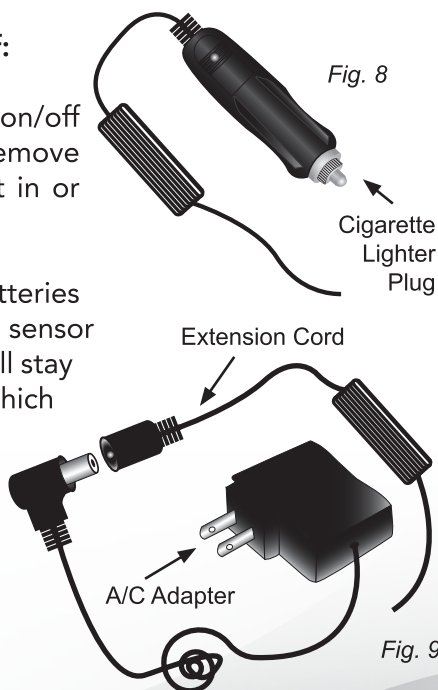


Fig. 9

SETTINGS:

You can customize your device's settings for best results in your particular situation. The ultrasonic setting control switch is located on the top left of your control panel. Remove the back cover to access it.

Bark Sensor: The pest repelling function will be switched off and the device will only activate when it senses the dog barking.

Motion Sensor: This setting will activate the Ultrasonic and Sonic when the device senses that an animal is in range. The bark sensor will be deactivated.

Constant: This setting will cause the device to emit a frequency at random intervals of not more than 40 seconds on AC. The pause in between helps ensure the pest does not become accustomed to the sound. You control the frequency emitted using the Frequency dial. This is a good setting to use if you only want to repel one type of animal and if the animal sometimes goes out of range of the motion sensor. (Battery saver: On battery power, the device will activate for shorter durations to preserve battery life at intervals of up to five minutes.)

Frequency Dial:

Various pests have different ranges of ultrasonic hearing. Sometimes you will need to experiment to find the range that best repels the pest you want to control. However, the Frequency dial illustrates a range of frequencies and the pests they are effective at repelling as a guide. This dial is inactive on the Bark Stop™ function. On this setting, your device will emit the ideal frequency for dogs.

Sensitivity Dial:

The Sensor Sensitivity dial controls the detection range of the device's Infrared Motion Sensor. You can adjust the range from near to far (5 to 45 feet / 1.5 to 14 metres). The ideal range will vary under different environments. Try setting it to maximum and reducing it if you find the device activates when there is no motion in the area. This dial is inactive on the Bark Stop™ function.

Barking Sensitivity Dial:

This dial controls how sensitive the device will be to the sound of the dog barking. It can detect up to 50 feet (15 metres). However, you may find it is too sensitive depending on the size of your dog or the ambient noise in your area. Start at 16 and turn the dial down as required based on your particular situation. The green light will tell you when the ultrasonic sound is activated.

Mounting to a Wall:

Two screws and fasteners are included with this unit for mounting on walls. Drill the screws into a suitable wall or upright surface. Align the notches on the back cover with the screws and hang the unit. Place it at the height of the pests if possible. If not, tilt the unit downwards slightly to capture the pests or dog in the device's effective range (see *diagram on page 19*). The unit must be aimed at the direction of the pests with no objects (e.g. windows, walls or fences) in front of it.

Training a Pet:

In addition to training a pet not to bark (*page 8*), some people wish to use the pest repeller function to prevent their pet from entering a certain part of the home. It's important to remember that your pet is used to living comfortably in your home. He may be annoyed by the sound, but he may not be deterred from the room. As far as he is concerned your home is his proper place. An outdoor animal on the other hand is sensitive to noise and alert to danger. The same way an alarm will repel an intruder, the ultrasonic signal will repel an unwanted animal.

If you want to use the ultrasonic device to deter your cat or dog from a part of the house, you may have to train them. When the device activates, show them what to do. Demonstrate to them that it's time to leave the room when they hear the noise and that doing this will stop the noise. Dogs will, of course, be easier to train than cats.

TIPS TO SILENCE DOGS AND STAY PEST FREE

Note: Just like your pet, wild animals will have certain habits and behaviours that can change over time. If they are accustomed to finding food in your backyard, they may continue to come even if they are disturbed by the ultrasonic, especially if they can't find food elsewhere. The Bark Stop™ is designed to work in combination with other good pest management practices.

Stop barking:

Identify the reason for the barking and take effective steps to address it. Talk to a professional about why your dog barks and how you can reinforce better behaviour.

Keep pests away:

- Keep garbage lids closed tightly.
- Store food in airtight containers.
- Don't leave pet food and water out overnight.
- Repair plumbing leaks and cracks.
- Drain all liquids and wash containers before you put them in the recycle bin.
- Accumulating paper products such as cardboard boxes, bags, newspapers, etc., should be avoided.
- Keep grass short around the foundation of the house and trees and shrubs planted away from the house.
- Screen all vent opening such as crawl spaces, attics or laundry vents.
- Repair and adjust windows and door screens.

PRODUCT SPECIFICATIONS

A/C Adapter

Input: A/C 110-240V, Output: D/C 9V/500mA x 1 (*included*)

Battery

- D/C power sources: four C size batteries or vehicle power source by connecting cigarette lighter socket or D/C 12V or 24V sealed lead-acid (SLA) battery. (D/C power accessories are sold separately.)

Ultrasonic Frequency

15 kHz to 25 kHz (adjustable)

Output Sound Pressure

0 to 110dB

Power Consumption

- 0.18W to 1.5W when powered by AC adapter
- 0.07W to 0.8W when powered by batteries

Optimum Distance

- Infrared sensor: up to 45 feet (14 metres) approximately
- Ultrasonic effective range: 5,000 sq. feet (465 sq. metres) or 70x70 feet (21x21 metres)

Security Alarm/Harassment Noise Sound Pressure

0-110dB maximum (adjustable), +/-5dB

Barking Sensor:

Up to 50 feet (15 metres)

Operating Time

Adjustable operating time for Day, Night or 24 HR

CONTACT US

We enjoy receiving letters and emails from our valued customers. If you have a question, comment or suggestion about the product, please write to us. If you have a success story, let us know. With your permission we may publish it on our website.

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We stand by our products with a one-year limited warranty. If you are having trouble with your product please don't return it to the merchant. Contact us, and we would be happy to help you.



DIAGRAM

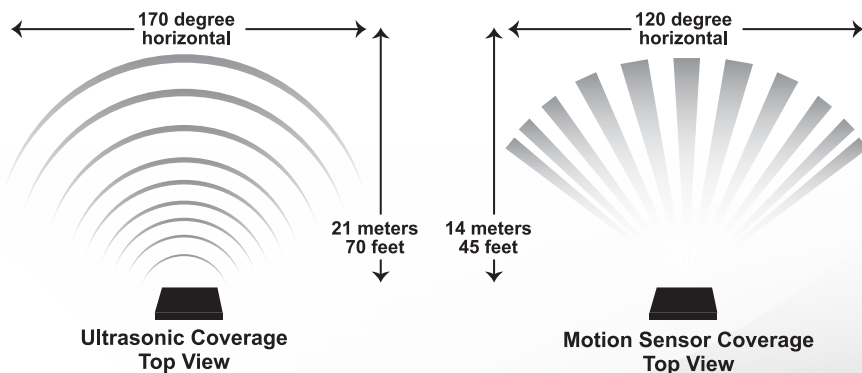
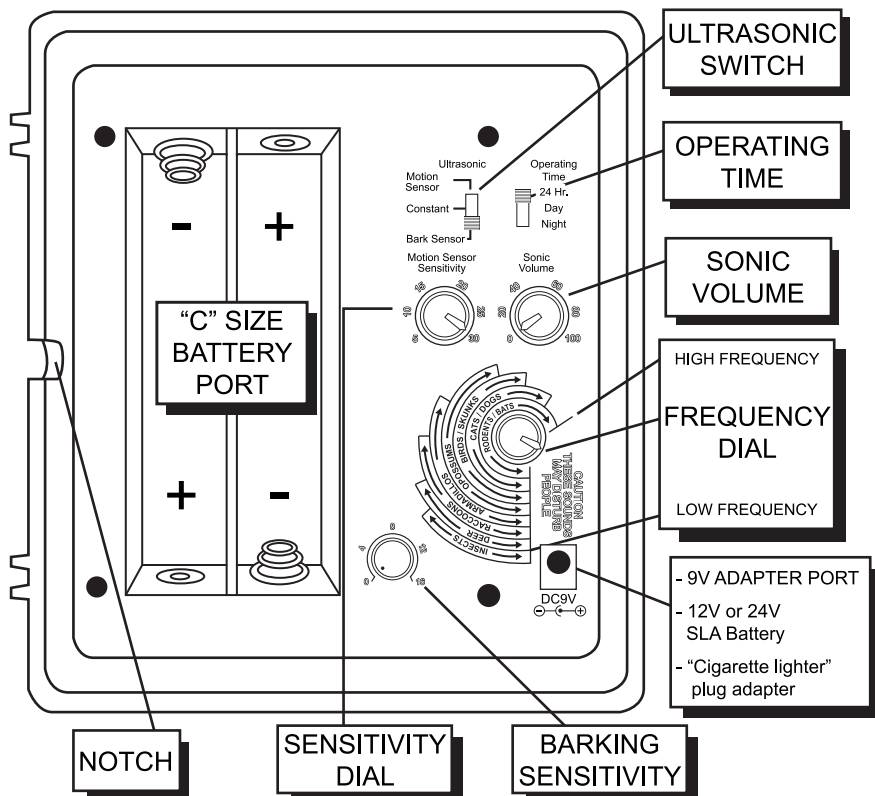


Fig. 10