

Ultrasonic Rodent Repeller Frequently Asked Questions

How Does the Ultrasonic Rodent Repeller Work?

Using all solid state components, the Ultrasonic Rodent Repeller electronically generates complex soundwaves in a high frequency range (ultrasonic sound) well above human hearing. People only hear sounds up to 20,000 cycles per second (20 kHz). Rodents can hear sound up to 80 kHz.

Sounds Like a Jackhammer to Rodents!

The Ultrasonic Rodent Repeller is one of the most powerful ultrasonic generators available, sweeping a frequency range of 32 to 62 kHz. The complex signal pulses at 60-80 times per second. Rodents can easily hear the sound generated in rooms up to 800 square feet, but unlike a solid tone, they cannot become acclimated to the constantly changing sound.

How Does Ultrasound Affect Rodents?

Numerous studies, including our own field research, demonstrate that an intense level of ultrasonic sound can repel rodents when properly used. Rodents exposed to intense ultrasound will be subject to auditory stress...and stressed rodents are vulnerable to other prey, a situation they will attempt to avoid by moving to other non-protected areas.

How Long Will it Take?

Ultrasonic Rodent Repellers are not designed to kill rodents or any other pest. Analysis of Field Tests revealed that rodent activity in ultrasonically treated areas showed a reduction in 6 to 10 days on average.

Can People or Pets Hear Ultrasound?

While humans cannot normally hear frequencies above 20 kHz, *dogs and cats can hear sound up to 27 kHz*. That's why our Ultrasonic Rodent Repeller broadcasts from 32 to 62 kHz...high enough that rodents will hear and avoid this sound, but above the hearing range of dogs, cats and birds.

Can Ultrasound be Heard by Rodent Pets?

Yes, absolutely. Rodent pets include mice, rats, rabbits, gerbils, hamsters, guinea pigs, ferrets and squirrels. **Never install a Rodent Repeller in a room inhabited by rodent pets!**

Why is Ultrasound Best Used Indoors Rather Than Outdoors?

Ultrasound can be reflected by hard surfaces such as glass, metal, tile, or wood. It is absorbed and dampened by soft surfaces such as carpets, drapes, or upholstered furniture. In a room with hard surfaces, like a kitchen, the ultrasound will "bounce" around, filling the room with sound. This "bouncing" effect is the reason that ultrasound is so much more effective indoors than outdoors. Outside, where there are no reflecting surfaces, the sound fades or attenuates rapidly, so that rodents can simply go around the area where the sound has faded and become ineffective.

How Much Does it Cost to Operate?

Each Rodent Repeller costs about a quarter per month to operate on a 24-hour basis. In order to be effective, keep it plugged in at all times.

If I Can't Hear It, How Do I Know It's Working?

If you look at the front of the unit while it's plugged in, you will see a red LED light. This light lets you know it is working properly. These Rodent Repellers are designed to last for 5 to 7 years or longer.

How Many Rodent Repellers Do I Need?

The basic rule for coverage is simple: an ultrasonic device can only cover the room in which it is placed. If the room is 100 square feet, it will cover 100 square feet. Ultrasound will not penetrate solid objects like walls and, due to sound reduction, will have little effect on rodents more than 20 feet from the sound source. In a room larger than 800 square feet, you will need to use more than one unit. You will need a unit in every room you wish to protect, especially the kitchen, garage and rooms where food is prepared, stored or eaten. Remember, ultrasound does not penetrate ceilings, floors or hard surfaces. In the kitchen, we recommend opening cupboard doors at night to allow the ultrasound to enter.

What Else Can I Do to Discourage Rodents in My Home?

In addition to Ultrasound, we suggest you keep foods well sealed and food preparation clean so as not to attract rodents in the first place. Also, try to repair any holes in walls and floors that rodents can use for entry.

Doesn't Ultrasound Just Chase Rodents From One Place To Another? Doesn't It Make More Sense to Kill Them With Poisons and Traps?

There are many reasons consumers prefer ultrasound to traditional rodent control methods. Ultrasound is non-toxic and safe to use around children and pets. It is more humane and sanitary than traps and poisons, and there is no need for dangerous physical contact with dead rodents. Ultrasound can be very economical, considering the service life of our Rodent Repellers.

There is also a biological reason. Rodents, unlike humans, will limit their population to a level that will be supported by the available food supply. To illustrate: Rodents from the field next door discover that your kitchen or basement can provide food and shelter. They move in and will breed until their population level reaches a saturation point for the available space and food. This is called the "carrying capacity" of the space. Poisons and traps only offer a temporary solution because any rodents left will invade the space. It's an unending cycle and a primary reason why over 40% of homes experience on-going rodent problems.

When the Rodent Repeller's jackhammer-like sound is introduced into a space, rodents simply don't want to be there; it's an inhospitable place to live. The "carrying capacity" of that particular space then drops to zero and a real reduction in rodent population can take place. Using ultrasound offers the opportunity for a long-lasting solution.

Does Ultrasound Affect Insects?

There are hundreds of published scientific articles that demonstrate that some insect species can make and/or perceive sound in ultrasonic frequencies. However, little research exists to prove ultrasonic generators are effective for insect pest control.

Future research regarding the possible effects of ultrasonic sound on insects may well validate the empirical theory of ultrasonic insect control. In the meantime, we make no representation that this is an effective insect pest control tool.

How Important is Canadian Registration?

Unlike the U.S., where a "let the buyer beware" mentality rules the marketplace, Canada has a strict registration process for ultrasonic pest control devices. In fact, it is illegal to sell any ultrasonic pest repeller in Canada that is not registered by Health Canada. To obtain Canadian registration, a manufacturer must complete exacting field test procedures and meet the rigorous effectiveness standards set by the Canadian Agriculture Department.

Our Rodent Repellers are registered under number 29215 and 29254 of the Pest Control Products Act.

