

**ULTRASONIC**

**SENSOR FOR PEST**

**CONTROLLER**

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## **ULTRASONIC SENSOR :**

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- ❑ Ultrasonic devices operate through emitting short wavelength, high frequency sound waves that are too high in pitch to be heard by the human ear (generally accepted to be frequencies greater than 20,000 Hz).**
- ❑ Humans are usually unable to hear sounds higher than 20 kHz due to physiological limitations of the cochlea, though there is considerable variation between individuals, especially at such high frequencies. Some animals, such as bats, dogs, and rodents, can hear well into the ultrasonic range.**

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- ❑ **Some insects, such as grasshoppers and locusts, can detect frequencies from 50,000 Hz to 100,000 Hz, and lacewings and moths can detect ultrasound as high as 240,000 Hz produced by insect-hunting bats. Contrary to popular belief, birds cannot hear ultrasonic sound.**

# HOW IT WORK :

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- ❑ Ultrasonic pest repeller, once plugged into an electrical outlet, operate by emitting short wavelength, high-frequency sound waves that are too high for humans to hear. ...  
  
Animals and insects hear sounds in a much higher range.
- ❑ It will be helpful for everyone.

## **TEAM MEMBERS :**

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