



**MASER**

**Ultrasonic Rodent Repeller**



The  
power  
of  
**vibron**  
technology

**AUTO MODEL**





## MASER ULTRASONIC RODENT REPELLER - AUTO MODEL



**Maser Auto Model** is a Micro-controller based Digital Ultrasonic Rodent Repeller. It is an electronic transmitter of high frequency sound waves (well above the 20 KHz frequency) which is the upper limit of hearing range of the human ear. It emits intensive sound at high decibel levels (sound pressure) which are audible and painful for rodents but inaudible and harmless to humans. The acoustically hostile environment created by Maser Ultrasonic Rodent Repeller - Auto Model induces auditory stress in the rodents, thereby forcing them to leave the area being protected by ultrasound. They do not get killed.

Maser Ultrasonic Rodent Repeller - Auto Model is a high frequency random signal generator. The unit is programmed to 2 frequency bands of operation which are pre tuned for 100 different frequencies.

- a. Band A : Ranges from 20 KHz to 50 KHz and
- b. Band B : Ranges from 30 KHz to 60 KHz

### Fixing the Maser Ultrasonic Rodent Repeller - Auto model

#### Location

Maser Ultrasonic Rodent Repeller - Auto model has to be installed under the bonnet of the vehicle away from the engine. Necessary cable is provided to connect it to the vehicle's ignition system. Alternatively the cable provided can be connected to a switch specifically for this unit on the dash board of the car.

#### Activating the unit

If the unit is connected with the ignition, it will be automatically "ON" when the ignition is switched "OFF" and will be "OFF" when ignition is switched "ON". If a switch is installed on the dash board for this unit, instead of connecting it to the ignition switch, then it should be switched "ON" every time the car ignition is switched "OFF". Please make sure you switch "ON" the unit only when the car is parked or stationary. (Make sure the power ON switch on the unit is switched "ON" at all times)

The ultrasound produced by Maser Ultrasonic Rodent Repeller - Auto Model will bounce around under the bonnet of the vehicle to form an ultra sound field thereby protecting the vehicle's accessories from





## MASTERS OF ULTRASOUND TECHNOLOGY

rodents. The L.E.D. on the machine will blink to indicate that the unit is working. Maser transducers are completely quiet. If you cannot hear them, do not think that the unit is not working. You cannot hear ultrasound.

### Testing the unit

The unit comes with a test switch which will emit a "Beep Beep" sound when activated for testing. The power consumption is very negligible as the design is microcontroller based and will not have any noticeable effect on the battery. Maser Ultrasonic Rodent Repeller is absolutely safe to use as it doesn't interfere with the electronic systems or gadgets installed in your car.

### Guarantee :

The machine Maser Ultrasonic Rodent Repeller - Auto Model is guaranteed for one year from the date of purchase by the user, against any defects in material or workmanship.

### Specifications :

Power Supply : 12 Volts DC

Operating Frequency : Above 20 KHz

Sound Output: 80 to 110 dB

Power Consumption : < 80 mW

Weight : 300 gms.

We are the pioneers in the field of Electronic pest control using ultrasound as a medium, under the brand name "MASER" and are in existence since 1985.

Our equipments are made as per the safety standards and threshold limits laid down by

- American Conference of Governmental and Industrial Hygienists (USA)
- National Electrical Manufacturer Association (USA)
- American Institute of Ultrasound in Medicine (USA)
- World Health Organisation (USA)

wherein specific standards for continued exposure of ultrasound in air have been prescribed and cleared for use in the environment, without causing any adverse effect whatsoever on humans.

We have strictly adhered to these set guidelines and have also accordingly acquired test certificates from the Institute for Design of Electrical Measuring Instruments, Mumbai.

Our equipments have been extensively tested by the Governments and major Institutions like Defence, Research Laboratories, CMC, C-D O T , B P C L , B A R C , Telecommunications, Electricity Boards, NDDB, CFTRI etc.



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know about our product and we have installed the same to safeguard the systems of their clients.

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