

Few of Our Valued Customers

- Air India
- Atos Origin
- Apple
- American Consulate
- ANZ Bank (Australia and New Zealand Banking Group Ltd.)
- ABM Infra (Projecture Infra LLP - Design & Build Contractor)
- Amazon
- Antillia - Mr. Mukesh Ambani Residence (Reliance)
- BPCL
- BARC
- Bharatiya Reserve Bank Note Mudran Ltd.
- BHEL
- BPL Mobile Communications Ltd.
- BGH Properties Pvt. Ltd.
- BSNL
- BMS (Bristol Myers Squibb)
- Bharti Airtel
- CIBIL
- CRL
- CMC
- Corporation Bank
- CFTRI
- Citibank
- CGMIPL Citigroup Global Markets India Pvt. Ltd.
- CBRE
- Control S Data Centres
- Cognizant Technology Solutions
- CNBC
- CDAC
- Cap Gemini / Ernst & Young
- Capita Offshore Business Services Pvt. Ltd.
- CGR
- Cybele Paradise Pvt. Ltd.
- DOT
- Dena Bank
- Deutsche Bank
- Diebold Systems Pvt. Ltd.
- ExxonMobil Co. India Pvt. Ltd.
- E-funds International India Pvt. Ltd.
- e-Serve International Ltd.
- Exel India Pvt. Ltd.
- EXIM Bank
- ECGC - Export Credit Guarantee Corporation of India
- ECIL
- Effem India Pvt. Ltd.
- Federal Express Corporation
- Franklin Templeton
- Flipkart
- G4S Security
- Goldstar Jewellery Ltd.
- Group M Media India Pvt. Ltd.
- GTL
- Godrej & Boyce Mfg. Co. Ltd.
- Genpact India
- HDFC
- HSBC
- HPCL
- Honeywell Automation India Ltd.
- Hexaware
- Hindalco
- HCL Infosystems Ltd.
- ICICI Bank Ltd.
- ICICI Onesource Ltd.
- ICICI Lombard General Insurance Co. Ltd.
- IDBI Bank Ltd.
- Idea
- Intel
- IOCL
- IPCL
- Indian Navy
- Indian Air Force
- i2 Technologies (I) Pvt. Ltd.
- iGATE Global Solutions
- IBM India Ltd.
- Intuit India
- Infosys BPO Ltd.
- Ingram Micro India Ltd.
- JP Morgan
- Jawed Habib Hair & Beauty Ltd.
- Johnson Controls
- Jones Lang LaSalle Property Consultants (India) Pvt. Ltd.
- JSW Steel Ltd.
- JSW Steel Processing Centres Ltd.
- Kotak Bank
- Kotak Securities Ltd.
- Kotak Mahindra Finance Ltd.
- KPMG
- L&T
- LIC
- Lucent Technology
- Mastek Ltd.
- Mahindra & Mahindra Ltd.
- Madras Fertilizers Ltd.
- McKinsey & Company
- MTNL
- MSEB
- Mumbai Bank
- Mazagon Dock Ltd.
- Mind Tree Ltd.
- Mylan Laboratories Ltd.
- NDDB
- Netmagic Solutions Pvt. Ltd.
- NCR
- Northern Marine Management (I) Pvt. Ltd.
- NHPC
- Oil India Ltd.

- ONGC
- Procter & Gamble Home Products Ltd.
- Progeon Ltd. an Infosys Co.
- Polixel Security Systems Pvt. Ltd.
- Rank Investments and Credits India Ltd. (Barclays)
- Reliance Industries Ltd.
- Reliance Petroleum Ltd.
- Rota Design & Conversion Services Ltd.
- Royal Bank Of Scotland
- Reserve Bank Of India
- RSP Designs
- SBI Capital Markets Ltd.
- SEBI
- SHCIL
- SIDBI
- Sify Ltd.
- Shringar Cinemas Pvt. Ltd.
- Standard Chartered Scope International
- Siemens Ltd.
- Sterling and Wilson Ltd.
- Syntel International Pvt. Ltd.
- Schneider Electric
- SWE Engineering (India) Pvt. Ltd.
- TELCO
- Trans Market Group
- TCS
- TCL
- TTSI
- Teleweb Services India Pvt. Ltd.
- Telecom Regulatory Authority of India
- Tecnimont ICB Ltd.
- TASS
- The Associated Building Co. Ltd.
- The National Small Industries Corp. Ltd.
- Times Global Broadcasting Co. Ltd.
- Technologies Ltd.
- Universal Cables Ltd.
- Universal Music India Ltd.
- UTI
- UTV News Ltd.
- USV Ltd.
- U S Technology Intl. Pvt. Ltd.
- Vodafone
- Voltas International Ltd.
- Videocon
- Venus Jewels
- VSNL
- Wadhwa Constructions
- WIPRO
- WNS Global Services Pvt. Ltd.
- Yahoo Web Services (I) Pvt. Ltd.
- YOU Broadband & Cable India Ltd.
- Yes Bank
- Zuari Agro Chemicals Ltd.
- ZOHO Corporation Pvt. Ltd.



MASER
V2

Mini Series

Advanced Rodent Control Management From MASER
The Ultimate Solution For Your Downtime Problems



Fully Digital - Ultrasound Output Verification

Safety Compliance as per IRPA Guidelines

(International Radiation Protection Association) Geneva

Area coverage per system ranging from 300 Sq. Ft. to 900 Sq. Ft.



MASER ELECTRONICS (P) LTD.

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Ultrasonic Rodent Repeller

Maser Ultrasonic Rodent Repellers are electronic transmitters of high frequency sound (well above the 20 KHz frequency which is the upper limit of the hearing range of the human ear). They emit intensive sound at high decibel levels (sound pressure) that is audible and painful to rodents but is inaudible and harmless to humans. The rodents will usually leave the area being protected by the ultrasound. They do not get killed.

The powerful sound waves generated by the transducers of Maser repellers are within the hearing range of many rodents and cause them pain and discomfort. Sometimes they will leave the area being protected immediately, in other cases it will take as long as two to three weeks before significant reduction in infestation occurs.

Maser's transducers are completely quiet. If you cannot hear them do not think that the unit is not working. You cannot hear ultrasound.

Standard

This model is a standalone digital system that can protect an enclosed area of 300 sq. ft and have an in built transducer which emits ultrasound.

Tailor Made I

This model is a standalone digital system with an in built & an additional transducer. Apart from protecting the main workstation the additional transducer protects the area of false ceiling or flooring in the ATM/Server room/Data centre/Hub room etc.

Tailor Made II

This model is a standalone digital system with an in built & two additional transducers. Apart from protecting the main workstation the additional transducers protects the area of false ceiling or flooring in the ATM/Server room/Data centre/Hub room etc.

Location of Maser Ultrasonic Rodent Repeller:

Aim the Maser unit to the wall so that the sound will "bounce around" and will reflect from walls, ceiling,

room contents and floor and will be present throughout the area. Since ultrasound usually does not penetrate walls, it is important that it bounces around corners to cover larger areas. Plug the Maser unit into a 230 volts standard wall outlet. Extension cords may be used if necessary. The green light (LED) will go ON and OFF to indicate that the unit is working. Leave the Maser unit ON 24 hours a day.

Maser units are designed for indoor use. If used outdoors they should be protected from the weather. Outdoors, because there are fewer possibilities for reflection of the ultrasound and many things that will absorb or dampen sound, their use is limited.

Area of Effectiveness:

A single Maser unit will protect an area of 300 sq. ft. in the work place or cabin. In the areas of the false ceiling/flooring the additional transducer will protect an area of 150 sq. ft. Under difficult conditions, the size of the area that will be protected can be considerably less. The type of structure, contents and partitions may limit the area of effectiveness.

Important considerations are the cleanliness of the area, the means of entry for rodents (easy or difficult), protection of food present in the area, and the availability of alternate source of food and water. Try one Maser in the area you wish to protect. Within two or three weeks, or sooner, you should see a reduction in rodent activity (sightings of rodents and droppings, and damage). If not, you may need one or more additional units.

Guarantee

Maser units are guaranteed for one year from the date of purchase by the user against defects in materials or workmanship.

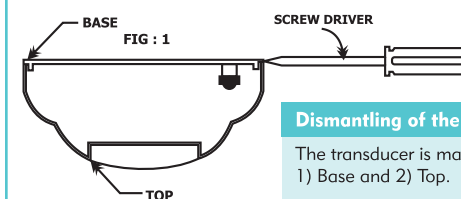
Specification

Power Supply	: 230Volts AC 50HZ
Operating Frequency	: Above 20 KHz
Sound Output	: 80-110Db
Power Output	: 900mW per transducer
Power Consumption	: 5 Watts
Dimensions	: 230X 70X 115(mm)
Weight	: 1250 gms

Procedure for Installing MASER DIGITAL TAILOR MADE MODELS

1. Select a location for Maser TM-I or TM-II Controller in the problematic area. Adequate ventilation of the TM- I and TM-II controller is a must.
2. Connect the equipment to a 230 VAC supply. Check for proper earthing before connecting the controller. Also check for proper A.C voltage i.e. 220/230 V.
3. The transducers have to be fixed at a height of 10 to 12 feet from the ground level, in the main room, and the distance between the transducers should be maximum 20 feet.
4. Install the transducers as per the markings on your floor plan.
5. The transducer comprises of 2 parts, Pry open the bottom lid of the transducer to connect the cables with the help of screws provided. The bottom lid of the transducer is to be fixed to the wall/ceiling/flooring and the top part of the transducer is to be press fitted to the bottom lid.
6. The transducers in the main room / ceiling should face a wall or an obstructing surface and not open areas such as open doors windows etc so that maximum bouncing effect is attained.
7. The transducers have to be looped to the controller if the controller is TM-II.
8. Only 2 additional transducers can be connected to a TM-II Controller and 1 additional transducer can be connected to a TM-I controller. The cables need to be encased in a PVC/GI/ conduit pipe.
9. Continuity test to be done with the help of the test switch provided in the front panel of the system.
10. All conduiting to be done aesthetically

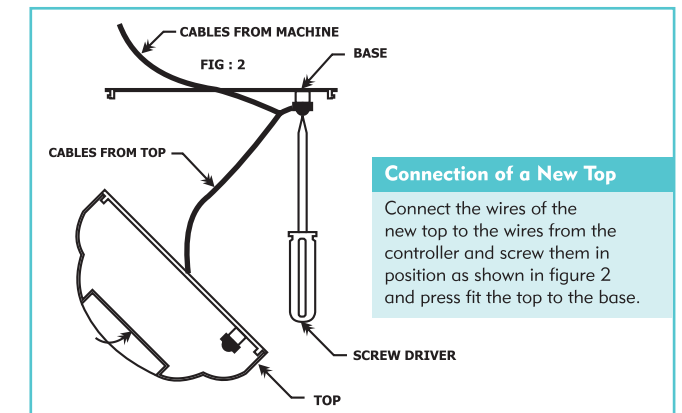
PROCEDURE FOR REPLACEMENT OF AN AUDIBLE TRANSDUCER



Dismantling of the Audible Transducer

The transducer is made up of two parts
1) Base and 2) Top.

Pry open the top from the base with the help of a screw driver as shown in Fig 1. Disconnect the wires from the base and separate the top from the base.

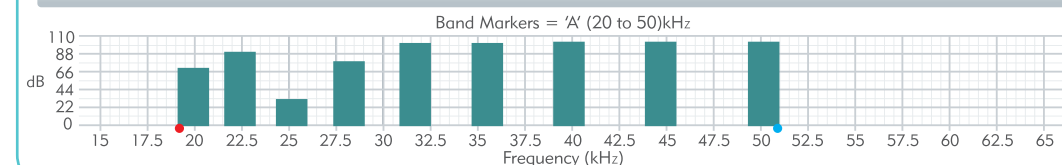


Safety First

Visual Representation of Adherence to Safety Standards for continuous exposure to one third octave band airborne ultrasound frequencies as per IRPA Guidelines (International Radiation Protection Association) Geneva



FFT (1/3rd Octave):



Verifiable

Document and Verify ultrasound output from the transducer whereby you can record individual frequency peaks along with corresponding sound pressure levels.

FFT (Full Spectrum):

