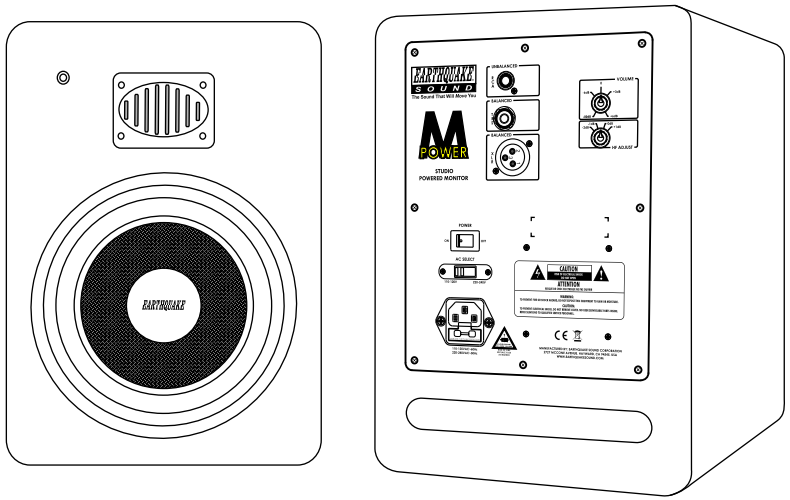
EARTHQUAKE SOUND

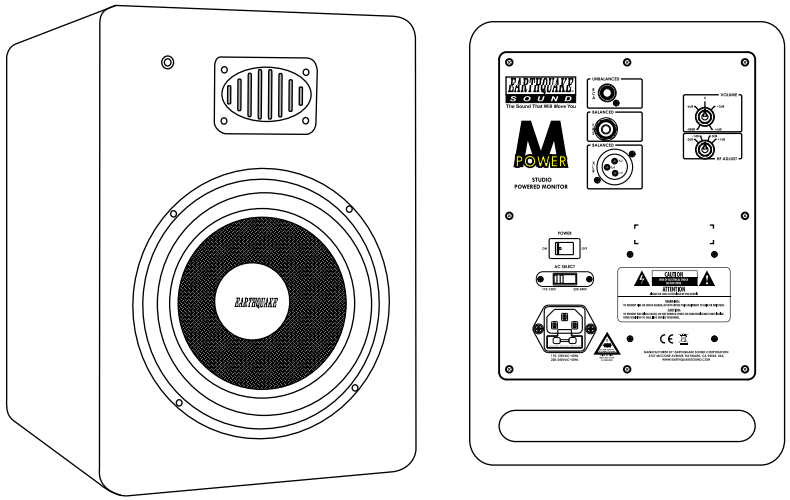
The Sound That Will *Move* You

M6 POWER & M8 POWER

M6 POWER & M8 POWER

STUDIO POWERED MONITOR USER'S MANUAL





EARTHQUAKE SOUND

The Sound That Will *Move* You

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www.earthquakesound.com

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The Sound That Will *Move* You

Earthquake Sound Corporation

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Safety Instructions

Safety First

This documentation contains general safety, installation, and operating instructions for the MPower studio monitors. It is important to read this user's manual before attempting to use this product. Pay particular attention to the safety instructions.

Symbols Explained:

Appears on the component to indicate the presence of uninsulated, dangerous voltage inside the enclosure – voltage that may be sufficient to constitute a risk of shock.

CAUTION

Calls attention to a procedure, practice, condition or the like that, if not correctly performed or adhered to, could result in injury or death.

WARNING

Calls attention to a procedure, practice, condition or the like that, if not correctly performed or adhered to, could result in damage to or destruction of part or all of the product.

Note:

Calls attention to information that is essential to highlight.

This triangle, which appears on your component, alerts you to the presence of uninsulated, dangerous voltage inside the enclosure - voltage that may be sufficient to constitute a risk of shock.

CAUTION

RISK OF ELECTRIC SHOCK

DO NOT OPEN

This triangle, which appears on your component, alerts you to important operating and maintenance instructions in this accompanying literature.

Unpacking System Components

- Keep the original carton and packing materials for future shipment or storage.
- Check for any visual signs of damage. If you encounter any concealed damage, consult your Earthquake Sound dealer before proceeding with unit installation.
- Retain the sales receipt as it establishes the duration for the limited warranty and provides information for insurance purposes.

Safety Instructions (continued)

1) Read these instructions in their entirety.

2) Store this manual and packaging in a safe place.

3) Heed all warnings.

4) Follow instructions (do not take shortcuts).

5) Do not use this apparatus near water.

6) Clean only with a dry cloth.

7) Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.

8) Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatuses that produce heat.

9) Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. The grounding-type plug has two blades and a third grounding prong. The wide blade or the third prong is provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.

10) Protect the power cord from being walked on or pinched, particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.

11) Only use attachments and accessories specified by the manufacturer.

12) Use only a compatible rack or cart for the final resting position.

13) Unplug this apparatus during lightning storm or when unused for a long period of time.

14) Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in a way such as: power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.

15) To reduce the risk of fire or electric shock, do not expose this apparatus to rain or moisture.

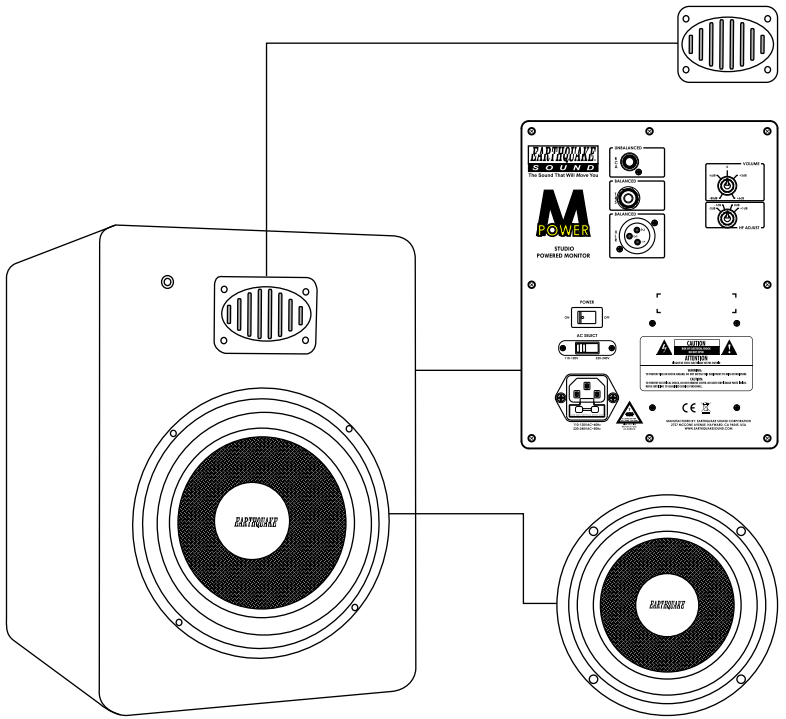
Introduction

Thank you for purchasing the MPower series of powered studio monitors: MPower 6 and/or MPower 8.

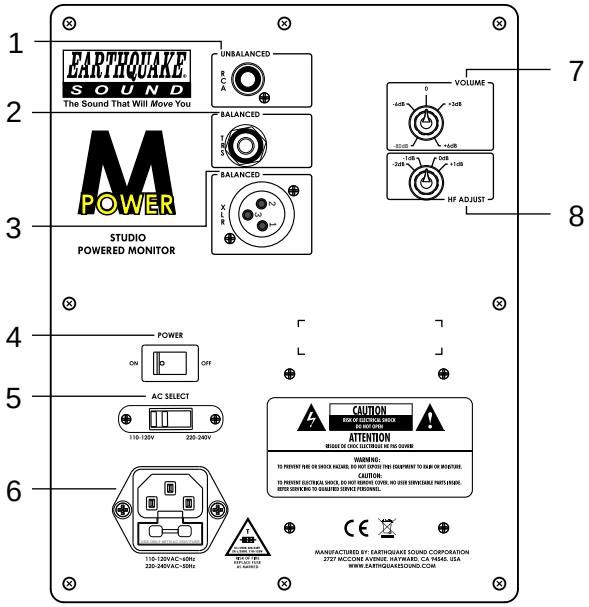
When it comes to studio monitors, one would want sound clarity, accurate audio reproduction, transparent performance with low distortion and exceptional imaging. Each component of the MPower studio monitors was meticulously chosen to deliver those desired characteristics.

The built-in amplifier of the MPower monitor accepts unbalanced (RCA) and balanced (1/4" TRS and XLR) inputs. It also features High Frequency adjustment control for listening personalization.

The woofer installed in the MPower monitor uses Aramid glass fiber cone which is stiff and has low mass, allowing the woofer to have low harmonic distortion. The ultra efficient ribbon tweeter has flatter impedance and better response. The combination of these two components ensure dynamic, melodious balance, transparency and neutral audio reproduction.

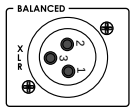


Amplifier Features



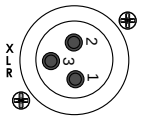
1. Unbalanced RCA Input
RCA input for connecting the MPower monitor to your TV, computer, DJ equipment, mobile device, etc.

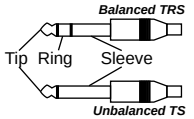
2. Balanced 1/4" TRS Input
10kOhm balanced TRS input for connecting the MPower monitor to your audio interface or mixer. For best result, be sure to use a balanced 1/4" TRS phone plug.



3. Balanced XLR Input
10kOhm balanced XLR input for connecting the MPower monitor to your audio interface or mixer.

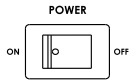
NOTE:



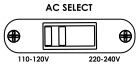


Pin 1 ⟷ Sleeve (Shield) = Ground (cable shield)
Pin 2 ⟷ Tip = Positive/Red/Hot
Pin 3 ⟷ Ring = Negative/Black/Cold

WARNING CONNECT ONLY ONE INPUT SOURCE AT A TIME.



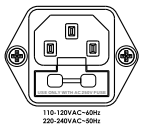
4. Main Power Switch
This switch controls the AC power going to the MPower monitor. We suggest keeping the switch in the OFF position when the monitor is not being used for an extended period of time.



5. 110V/220V Selector Switch
The MPower monitors can operate in a 110-120V or 220-240V environment. Simply slide the selector to the required power input setting and replace the fuse to the proper rating **prior to** connecting the monitors to the power source.

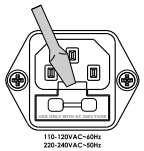
WARNING USE OF IMPROPER VOLTAGE MAY RESULT IN HAZARDOUS CONDITIONS AND/OR DAMAGE TO THE MONITOR COMPONENTS THAT ARE NOT COVERED BY THE FACTORY WARRANTY.

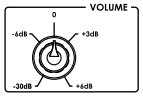
CAUTION FOR YOUR SAFETY, PLEASE MAKE SURE THAT THE MONITOR IS NOT CONNECTED TO ANY POWER SOURCE PRIOR TO ACCESSING THE AC SELECTOR AND FUSE COMPARTMENT.



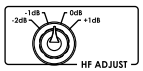
6. AC Power Inlet with Fuse Holder
This AC line connector is fused to protect the amplifier from unwanted power surges. Be sure to use the proper fuse rating when replacing the existing fuse:
M6: ø5 x 20mm 2A/250V UL/VDE slow blow tube fuse
M8: ø5 x 20mm 3.15A/250V UL/VDE slow blow tube fuse

To access the fuse compartment, simply unplug the power cable from the monitor, place a flat-head screw driver in the small notch and pry it open as illustrated.





7. Volume Control
This volume knob controls the MPower monitor's input sensitivity. Typically, you would want to set this knob to the maximum setting (+6dB), adjust the source's output level and then use this volume knob to match the left and right MPower monitors.



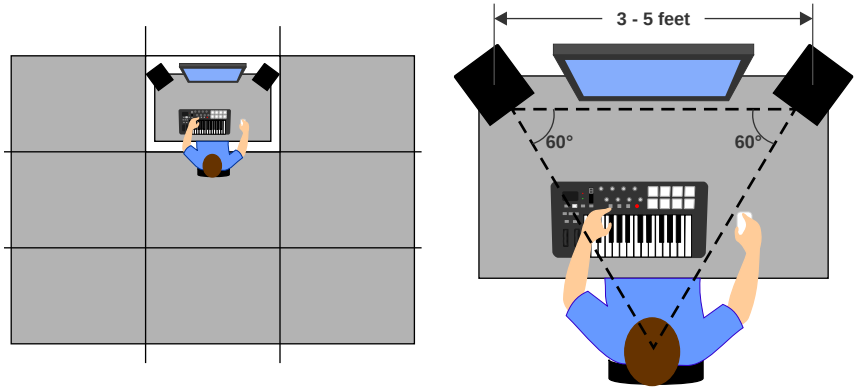
8. HF Adjustment
This high frequency adjustment is factory set at 0dB. Simply adjust accordingly to your listening preference.

Placing Your MPower Monitors

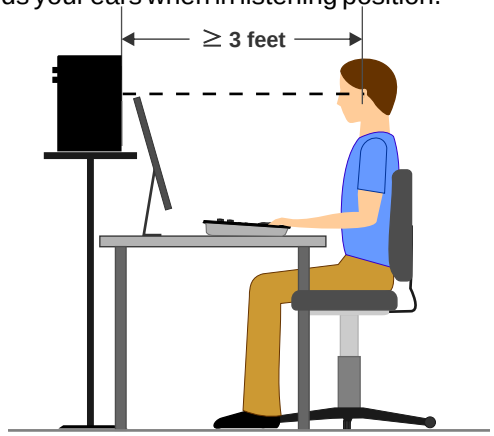
Proper placement of your MPower studio monitors is crucial to their performance.

Studio/Stereo Application

We suggest placing the monitors within the front 1/3 of the room, about 3 to 5 feet away from each other and directed at a 60 degree angle towards the listening position.



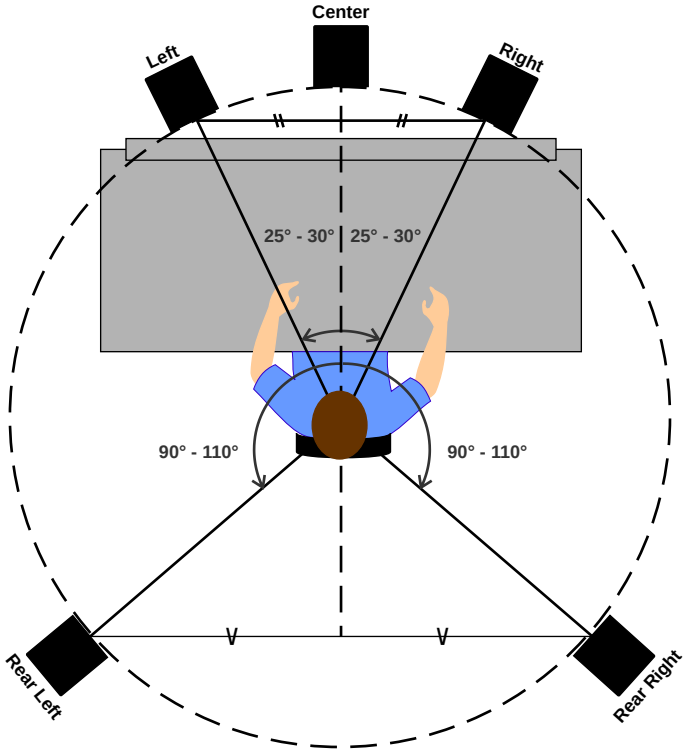
To reduce distortion by reflection and diffraction, we suggest placing the MPower monitors at least 3 feet away, at ear level of the listening position. To achieve the optimized performance, you may angle the monitors so they are aimed towards your ears when in listening position.



Avoid placing any large objects near the monitors and listening position.

Surround Sound Application

Begin by placing the center channel monitor right in front of your listening position. Then place the front left and right monitors at equal distance and about 25 - 30 degree angle from the center. The three front monitors (left, center and right) should form a slight arc as shown below. Continue by placing the rear monitors at equal distance from the listening position and angled about 90 - 110 degrees from center as illustrated below.



Troubleshooting

The Front LED Does Not Light Up

- ➔ Inspect the power cable. Never use one that has been altered in any way.
- ➔ Verify the power AC outlet is active and supplying the appropriate AC voltage.
- ➔ Verify the monitor's AC selector is at the proper setting with the correct fuse installed (refer to page 7 for fuse rating and how to access the fuse compartment). Make sure that the fuse is not blown.
- ➔ Verify that the power cord is securely plugged into the unit and into the power AC outlet.
- ➔ Make sure the monitor's POWER switch is ON.

If the fuse(s) blow once the monitor is switched on, please contact Earthquake Sound's Support/Technical Team for service (1-800-576-7944 or tech@earthquakesound.com).

The Front LED Lights Up but There is No Sound

- ➔ Perform the troubleshooting steps above prior to proceeding with the next steps.
- ➔ Verify that all devices plugged into the same AC outlet are still working.
- ➔ Make sure that the signal source (e.g. mixing console, CD player work station, etc.) is at a level that can properly send a signal to the monitor(s).
- ➔ Make sure that the VOLUME knob (system gain potentiometer) is turned fully clockwise to +6dB.
- ➔ Make sure that the audio source cable is firmly plugged into both the source output and the monitor input.
- ➔ If you are using two monitors and this problem only occurs on one of the units, exchange the audio input cable from the non-working unit to the working one to determine where the problem lies (the monitor, the cable or elsewhere).

If the problem still persists at this point, please contact Earthquake Sound for service.

The Monitor Suddenly Stops Working

- ➔ Turn the monitor off.
- ➔ Perform the troubleshooting steps above prior to proceeding with the next steps.
- ➔ Carefully, check to see if the amplifier's back plate is hot. It is possible that the protection circuitry of the amplifier kicked in and shut the amplifier down because it had been running at highest power output for an extended period of time. Turn the monitor power off and keep it off for at least 30 minutes to allow the amplifier to cool down before turning it back on.
- ➔ Increase the volume to check for normal operation.

If the monitor is still unresponsive, please contact Earthquake Sound for service.

The Sound Quality Changes

- ➔ Perform the previous troubleshooting steps before proceeding with the next steps.
- ➔ Disconnect the signal cable at the monitor's input. With the monitor powered on, place your ear close to each driver (tweeter/woofer) and listen for any noise (i.e. a slight hiss or hum). If no noise of any kind was heard, it is possible that one or more of the drivers (woofer, tweeter or both) is faulty. It is also possible that the problem lies elsewhere in the electronics.
- ➔ Reconnect the signal cable to the monitor's input and play some non-distorted source material at a low volume. Carefully cover the tweeter to block the sound. If the woofer sounds distorted or has no sound at all, then the woofer may have gotten internally disconnected or may need to be replaced.
- ➔ Play the same non-distorted source material but cover the woofer instead so the tweeter is mostly heard. If the sound from the tweeter is not of clear tonal quality or if there is no sound at all, then the tweeter may have gotten internally disconnected or may need to be replaced.

Please contact our Support/Technical Team once you isolate the issue to get the best solution to fix your monitor(s).

The Monitor Produces Hisses, Hums or Other Loud Noises

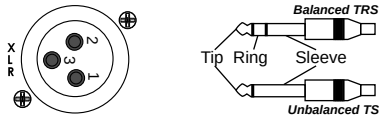
- ➔ Make sure the power cord is firmly plugged into the monitor.
- ➔ Check the connection between the signal source and the monitor. Note that the MPower's XLR and TRS connectors are completely balanced. If you are connecting an unbalanced signal to the monitor, make sure to use Pin 2 for signal and tie Pin 1 and 3 together at the source end.
- ➔ Make sure that the AC mains is matched to the operating voltage requirements.
- ➔ Make sure that all audio equipment in your system uses the same ground point. Avoid connecting dimmers, neon signs, TV screens and computer monitors to the same AC output of your audio equipment.

Specifications

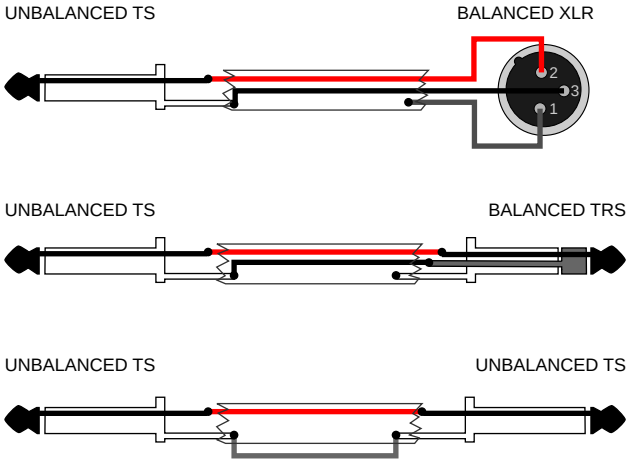
	MPower-6	MPower-8
Configuration	2-Way	
System Type	Active Monitor	
HF Driver	2” Ribbon Tweeter	
LF Driver	6.5” Aramid Glass Fiber	8” Aramid Glass Fiber
Frequency Range (-10dB)	35Hz - 40kHz	30Hz - 40kHz
Crossover Frequency	2.6kHz	2.4kHz
Power Rating (HF/LF)	105 Watts (25W/80W)	125 Watts (25W/100W)
Peak SPL	108 dB	110 dB
Subsonic Filter	30 Hz	25 Hz
Connectors	10kOhm Unbalanced RCA 10kOhm Balanced 1/4” TRS & XLR	
Controls	System Volume (-80dB to +6dB) HF Level Adjust (-2dB, -1dB, 0dB, +1dB)	
Dimensions	12 3/4” x 9” x 11 1/8” (324 x 228 x 292mm)	15 1/8” x 10 7/16” x 13 3/16” (284 x 265 x 335mm)
Fuse Rating	ø5x20mm 2A/250V UL/VDE slow blow tube	ø5x20mm 3.15A/250V UL/VDE slow blow tube

Specifications are subject to change without notice

Notes



Pin 1 ⟷ Sleeve (Shield) = Ground (cable shield)
Pin 2 ⟷ Tip = Positive/Red/Hot
Pin 3 ⟷ Ring = Negative/Black/Cold



One (1) Year Limited Warranty Guidelines

Earthquake warrants the original purchaser that the speaker (product) is free from defects in material and workmanship, under normal and proper use, for a period of **one (1) year from the date of purchase** (as shown on the original sales receipt).

The one (1) year warranty period is valid **only if the product is purchased from an authorized dealer/reseller** and the warranty registration card is properly filled out and sent to Earthquake Sound Corporation.

(A) One (1) year limited warranty guidelines:

Earthquake pays for labor, parts and ground freight (only in US mainland) back to customer.

(B) Warning:

- Products (sent in for repair) that are tested by Earthquake technicians and deemed to have no problem will not be covered by the limited warranty. Customer will be charged a minimum of one (1) hour of labor (at ongoing rate) plus shipping charges back to customer.
- Each product sent in for repair must be packaged in its original packaging. Otherwise, **repackaging charges will apply in addition to the labor, parts and shipping charges.**

(C) Earthquake agrees to repair or replace - at our discretion - all such defective products/parts subject to the following provisions:

- Defective products/parts have not been altered or repaired by anyone other than an Earthquake factory approved technician.
- Products/parts are not subjected to negligence, misuse, accident or damage by improper line voltage.
- Products/parts were used with incompatible products.
- The serial number or any part of the product altered, defaced or removed.
- Products/parts have been used in any way that is contrary to Earthquake's written instructions.

(D) Warranty limitations:

Earthquake warranty does not cover products that have been modified or abused, including but not limited to the following:

- Damages to speaker cabinet and/or cabinet finish due to misuse, abuse or use of improper cleaning materials/methods.
- Bent speaker frame, broken speaker connectors, holes in speaker cone, surround & dust cap, burnt speaker voice coil.
- Fading, deterioration of speaker components & finish due to improper exposure to elements.
- Bent amplifier casing, damaged finish on the casing due to abuse, misuse or improper use of cleaning material.
- Burnt tracers on PCB. Product/part damaged due to poor packaging or abusive shipping conditions.
- Subsequent damage to other products.

A warranty claim will not be valid if the warranty registration card is not properly filled and returned to Earthquake with a copy of the sales receipt.

(E) Service Request:

To receive product(s) service, contact Earthquake Sound service department at (510) 732-1000 and request an RMA (Return Merchandise Authorization) number. Items shipped without a valid RMA number will be refused. Make sure you provided us with your complete/correct shipping address, a valid phone number and a brief description of the problem you are experiencing with the product. In most cases, our technician maybe able to resolve the problem over the phone; thus eliminating the need to ship the product.

(F) Shipping Instructions:

Product(s) must be packaged in its original protective box(es) to minimize transport damage and avoid repackaging charges. Shipper claims regarding items damaged in transit must be presented to carrier. Earthquake Sound Corporation reserves the right to refuse products that are improperly packaged. A copy of the original sales receipt must accompany product returned for service. We encourage you to include a written description of the problem inside the package. Ship product to:

Earthquake Sound Corporation
Attn: RMA Department - RMA# _____
2727 McCone Avenue
Hayward, CA 94545
Tel: (510) 732-1000

You are responsible for the cost of shipping the product to Earthquake Sound Corporation.

(G) Disputes Resolution:

All disputes - between customer and Earthquake Sound Corporation - resulting from the one (1) year limited warranty policy must be resolved in accordance to the laws and regulations of the county of Alameda, California.