



Service Bulletin

Title: **RMX Series Gain Modification**
 Bulletin #: RMX0007 Issue Date: April 11, 2003
 Models Affected: RMX Series Bulletin Revision: A
 Production Range: All

Description

This instruction describes the procedure for modifying the RMX Series amplifier circuitry to obtain 26dB gain for Meyer Sound Systems.

Instructions

Tools required:

- Soldering iron with fine tip (recommended range 25 to 60 W)
- Desoldering station
- Rosin-core solder (63/37 eutectic type recommended) and flux
- #2 Philips screwdrivers
- Small boxes or compartments (to keep assorted screws during disassembly)
- Small diagonal cutters

Parts required:

Model	CH1: R105, R106; CH2: R205, R206
RMX850	6.34k
RMX1450	4.99k
RMX1850HD	4.42k
RMX2450	4.02k

Note: All four SMT resistors are 1/10 watt, 1% tolerance, and type 805.

Table 1

Installation procedure:

1. Disconnect the amplifier from AC and wait at least 10 minutes for internal voltages to bleed down.
2. Remove the top cover of the chassis.
3. Remove the right main PCB assembly from the chassis and turn it upside down. Refer to RMX Technical Service Manual for assembly aid if needed.
4. If your amplifier is RMX850 or RMX1450 model, use Figure 1 to locate R105, R106 for channel 1, and R205, R206 for channel 2. If your amplifier is RMX1850HD or RMX2450, use Figure 2 instead. Replace them with matching resistors for the desired RMX model. See Table 1.
5. Reinstall the right main PCB assembly into the chassis.
6. Make sure there are no foreign objects in the amplifier. Hook up the amplifier output(s) to a load, the inputs to an audio source, and the power cord to AC power. Turn the amp on and

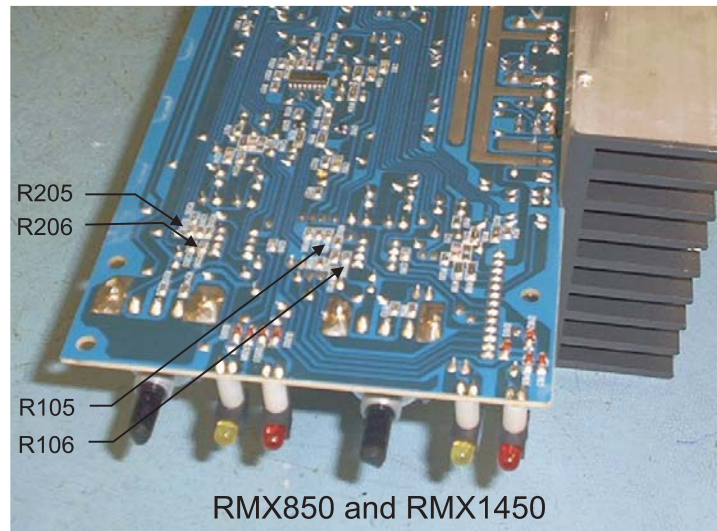


Figure 1

make sure it passes audio on both channels with no problems.

7. Re-install the top cover.

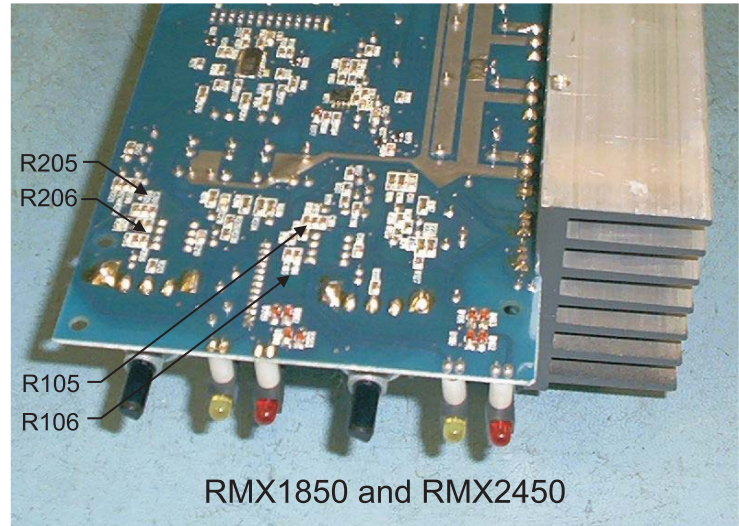


Figure 2

Contact information

If you need any further information regarding this service procedure, please contact QSC Technical Services at the addresses or numbers below.

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