



Service Bulletin

Title: **PL-2 Series Gain Modification**
 Bulletin #: PLC0010 Issue Date: Feb. 18, 2003
 Models Affected: PL-2 Series Bulletin Revision: C
 Production Range: All

Description

This service bulletin describes the procedure for modifying the PowerLight-2 Series amplifier circuitry to obtain a desired output dBV gain Level 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	Desired Output dBV Gain Level						
	20dBV	22dBV	24dBV	26dBV	28dBV	30dBV	32dBV
PL218	22.1k	17.8k	14k	11.3k	8.87k	6.98k	no change
PL224	28k	22.1k	17.8k	14k	11.3k	8.87k	6.98k
PL230	31.6k	24.9k	20k	15.8k	12.4k	10k	7.87k
PL236	35.7k	28k	22.1k	17.8k	14k	11.3k	8.87k

Note: All four SMT resistors are 1/10 watt, 0.1% (1% max.) 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. Turn the amp upside down and remove the bottom cover of the chassis.
2. Locate R8 & R9 for channel 1 and R129 & R130 for channel 2 as shown in the figure 1. Replace them with matching resistors for the desired PL2 model. See Table 1.
3. 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 make sure it passes audio on both channels with no problems. Re-install the bottom cover.

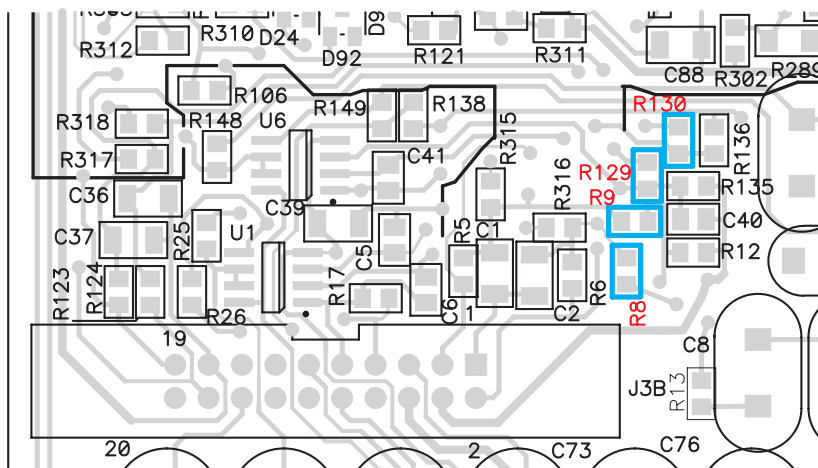


Figure 1

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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