



REICHENBACH ENGINEERING



Line Input Transformer

CM-17310

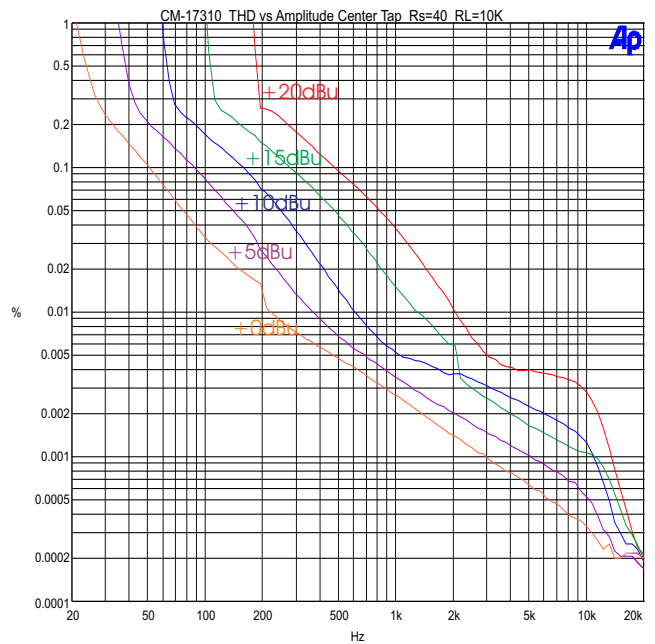
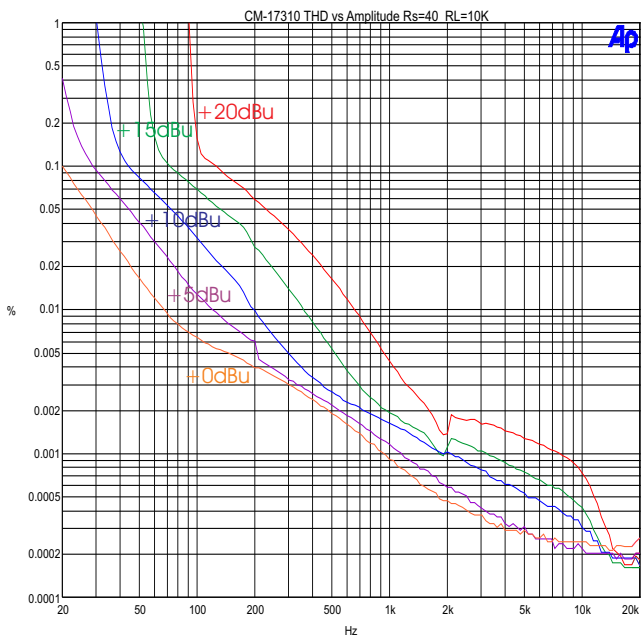
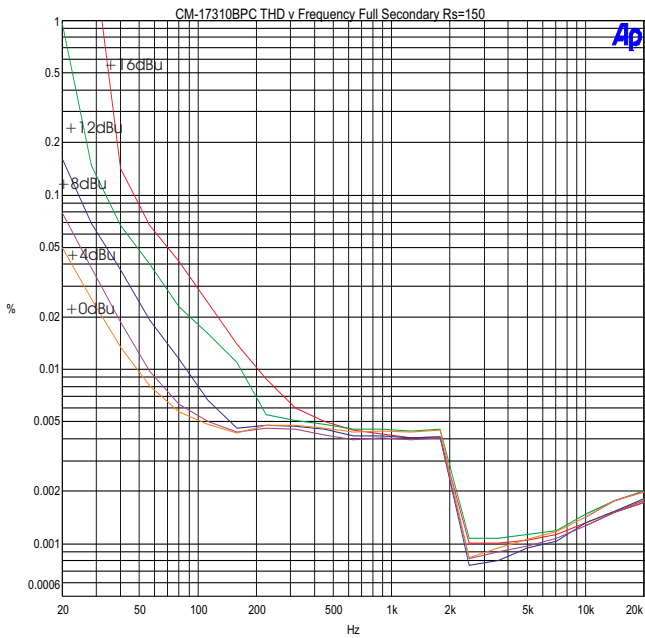
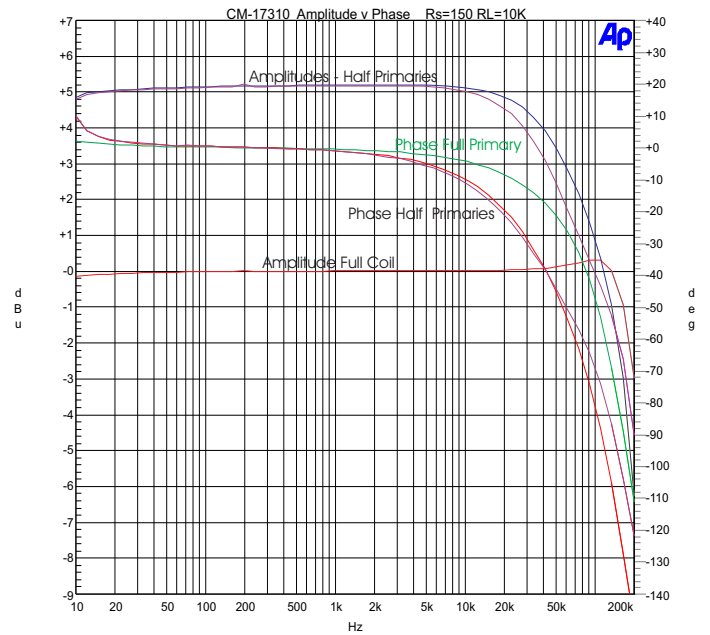
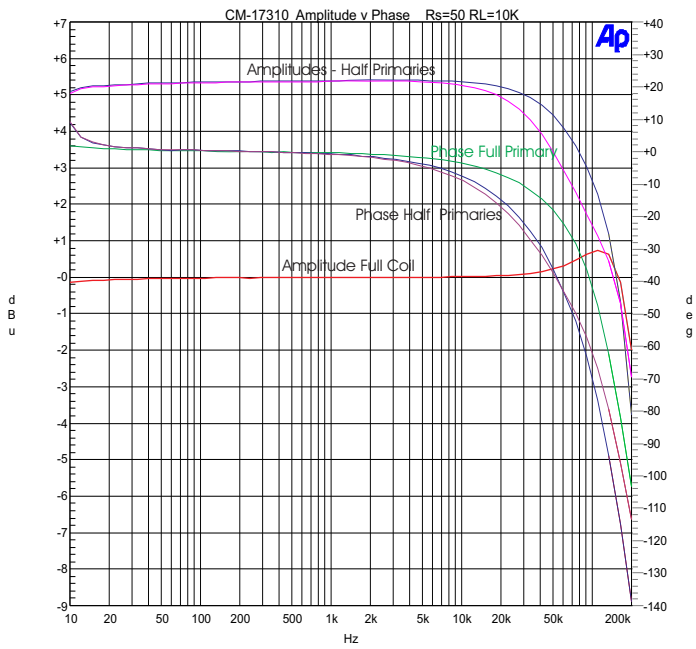
1CT:1 Turns ratio

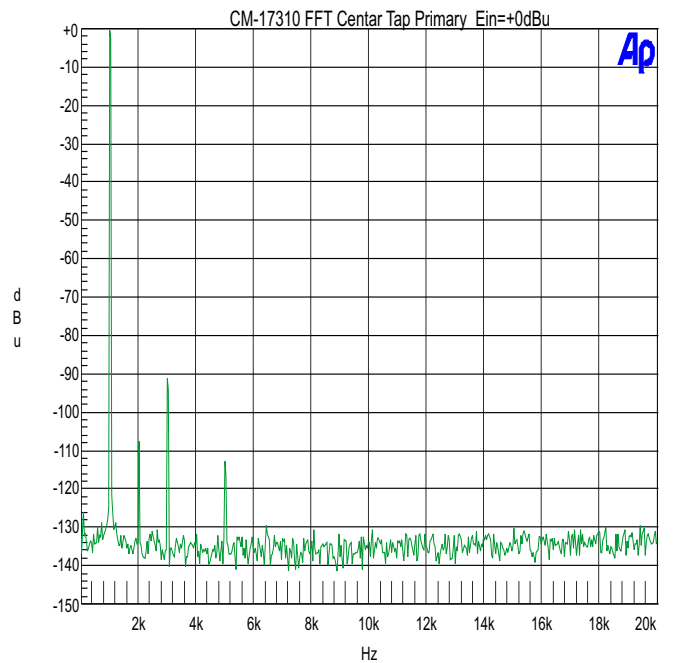
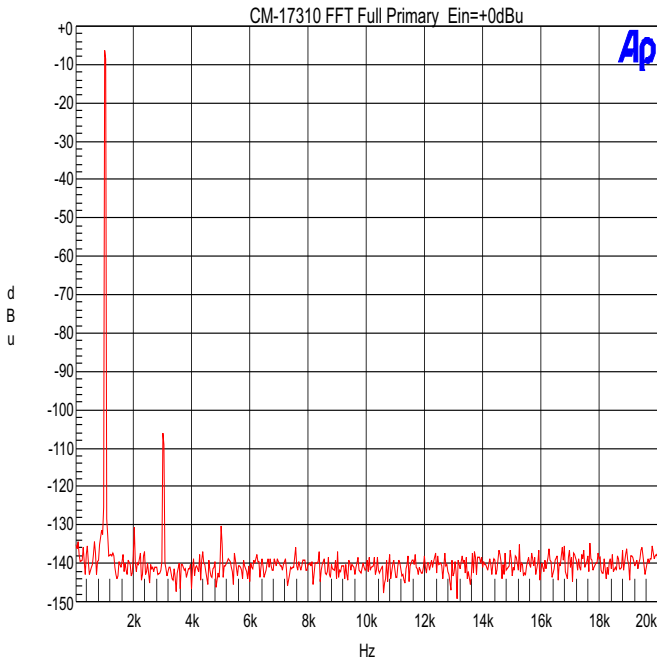
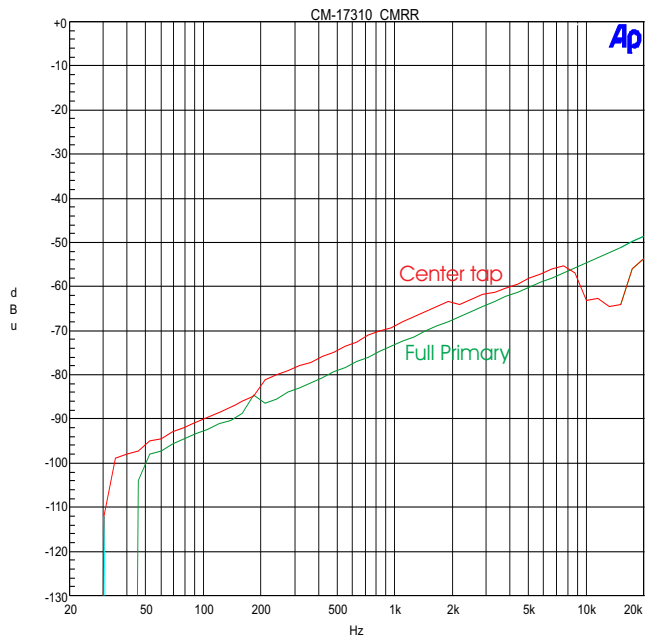
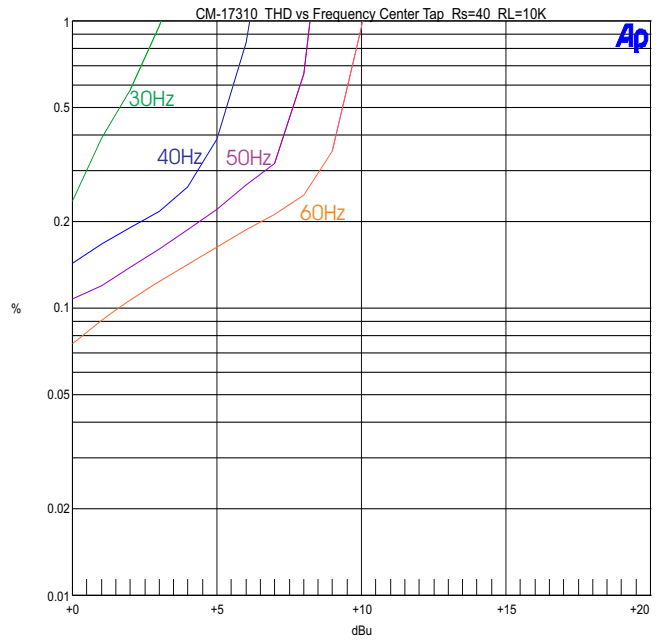
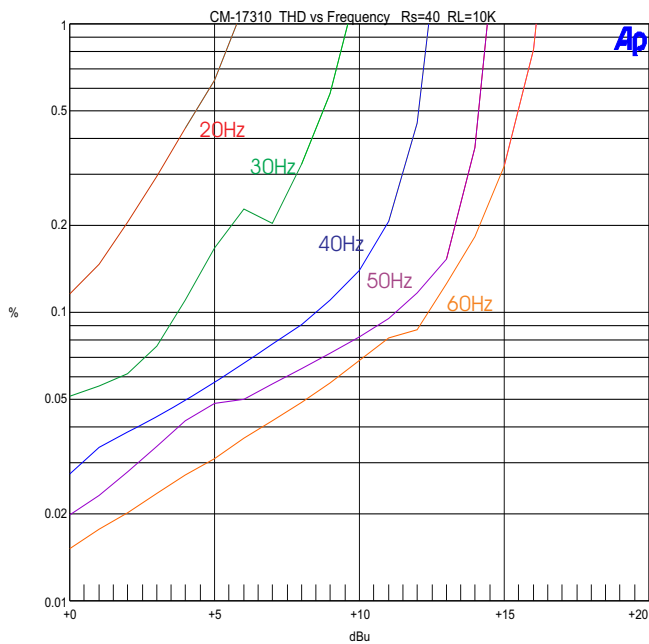
- 10K Ohm line input transformer
- Audiophile/High-end consumer grade
- XLR/RCA Input with level adjustment for RCA
- Excellent bandwidth (+0.2dB dB at 50 kHz/Peaks +1.2dB at 150kHz)
- Very good CMRR
- Faraday shielding between windings
- Maximum signal level at 20Hz:
 - Full primary Rs=150 RL=10K +12dBu/+9.8dBV/8.7Vpp

The CM-17310 is a high input impedance moderate level line input transformer. It has excellent bandwidth, common mode rejection ratio (CMRR), and distortion characteristics. It is available either in a printed circuit pin package or with lead wires (with and without threaded bushing or threaded studs). It is encased in a μ-metal can which provides more than 30 dB magnetic shielding. As with all CineMag transformers, the wires from the internal foil shields between windings are all spot welded for maximum long term reliability.

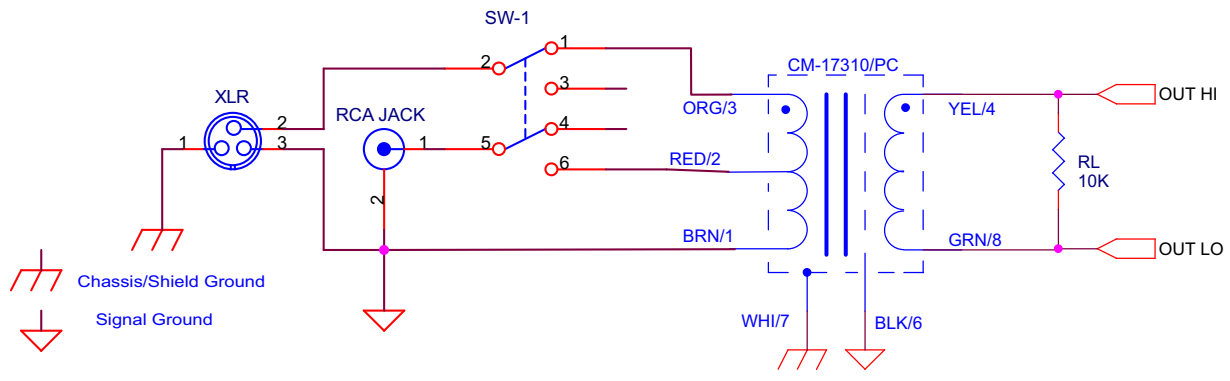
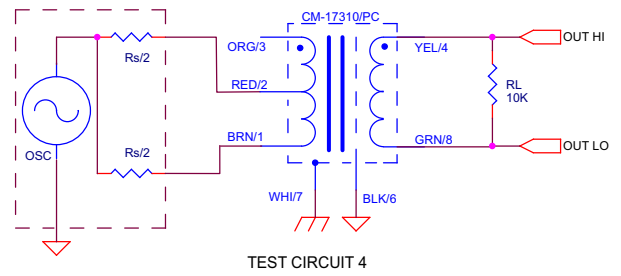
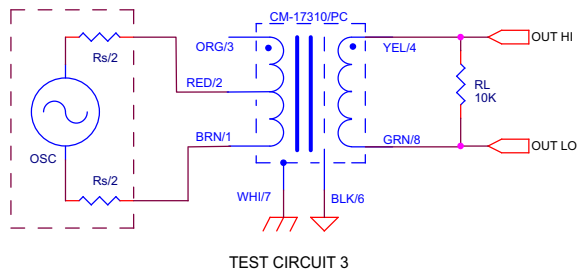
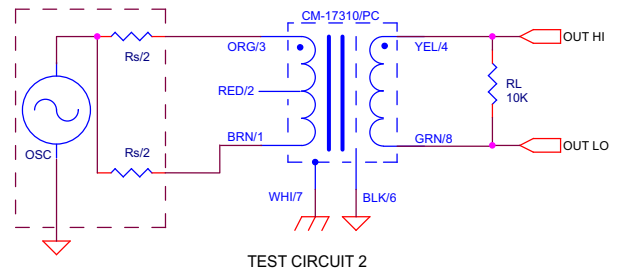
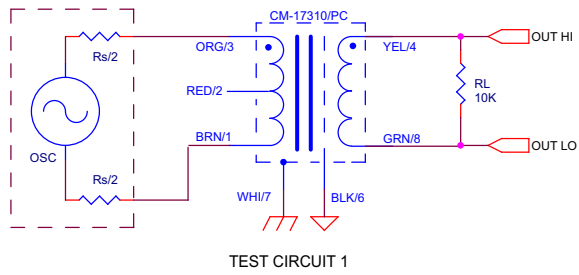
CM-17310 CM-17310PC

Parameter	Conditions	Typ
Turns Ratio		1CT :1
Distortion (THD+N%) (Series primaries)	1 kHz, +0.0 dBu Test Circuit 1 Rs=40 RL=10K Test Circuit 3 20 Hz, +0.0 dBu Test Circuit 1 Rs=40 RL=10K Test Circuit 3	0.001% 0.003% 0.1% 1%
Max 20 Hz input level (Series primaries)	1.0% THD; 40 Ω input, 10K secondary load impedance, full primary winding Test Circuit 1	+12dBu +9.8dBV 8.7Vpp
Response, ref 1 kHz	10 Hz Rs=50 RL=10K Test Circuit 1 Test Circuit 3 20 kHz Rs=50 RL=10K Test Circuit 1 Test Circuit 3	-0.1dBu +0.3dBu +0.05dBu -0.2dBu
Phase Shift at 20 Hz Phase Shift at 20 kHz Phase Shift at 20 Hz Phase Shift at 20 kHz	Referenced to source generator Full primary Test Circuit 1 Full primary Test Circuit 1 Center tap Test Circuit 3 Center tap Test Circuit 3	+1° -8° +2° -18°
CMRR	60 Hz Test Circuit 2 per IEE Std 389 ¶19 1 kHz Test Circuit 2 per IEE Std 389 ¶19	>95dB >70dB
Operating Temp Range	Operation and storage	0° C Min 70° C Max
Max Soldering Temp (printed circuit pins)	5 Seconds	270° C Max

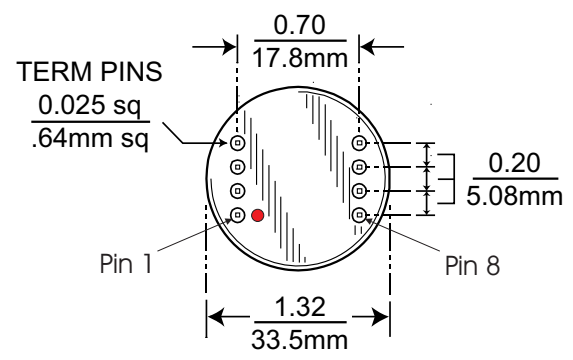
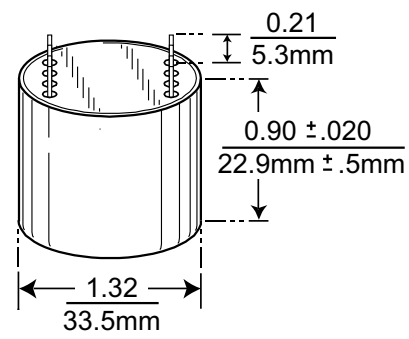
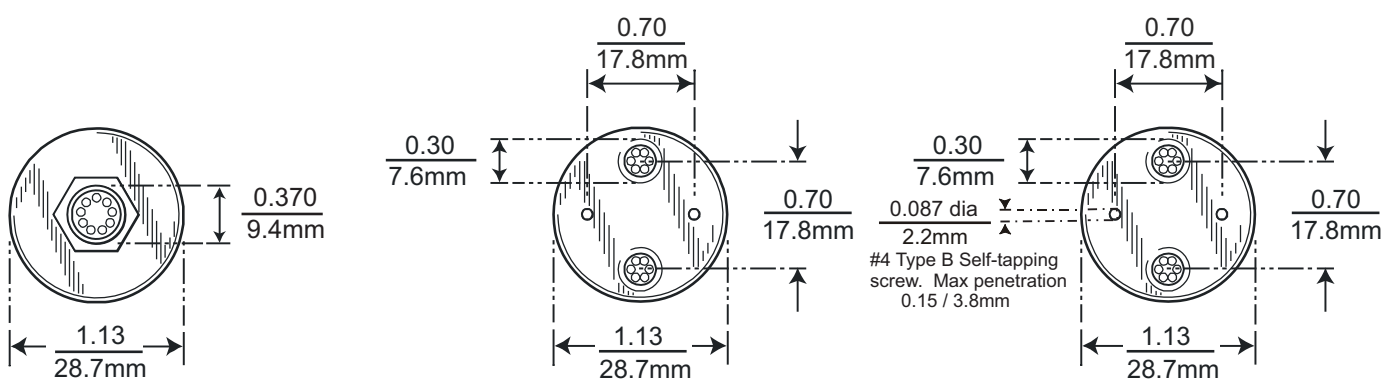
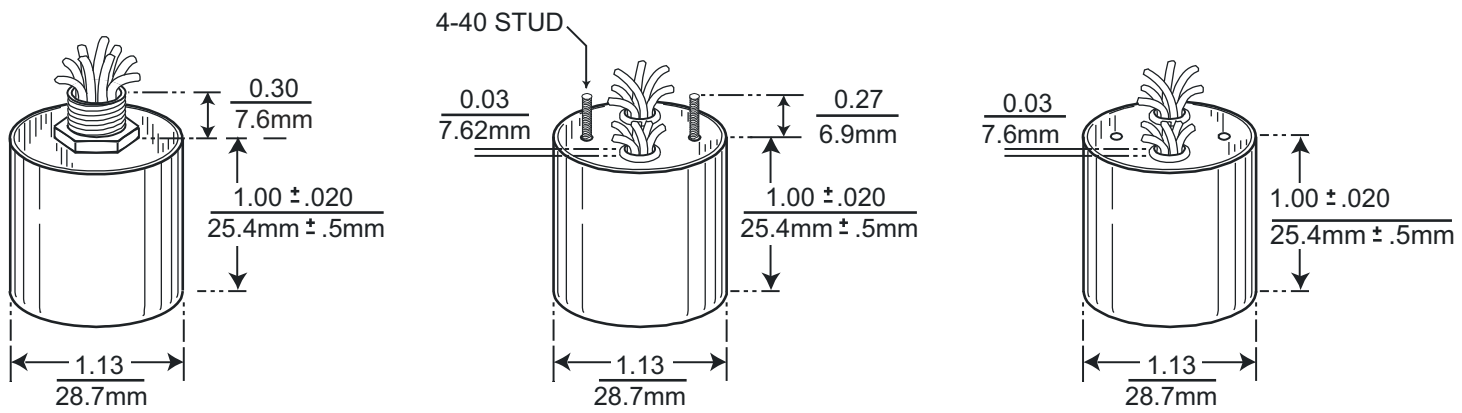




NOTE: All graphs generated from one (1) randomly chosen Device. No statistical averaging or weighting. Data from one sweep.



NOTE: Input selection necessary (SW-1). Without it, if sources are plugged into both the RCA and XLR inputs at the same time, they may interfere with each other. The respective signals may be summed together and they will load each other.



BOTTOM VIEW