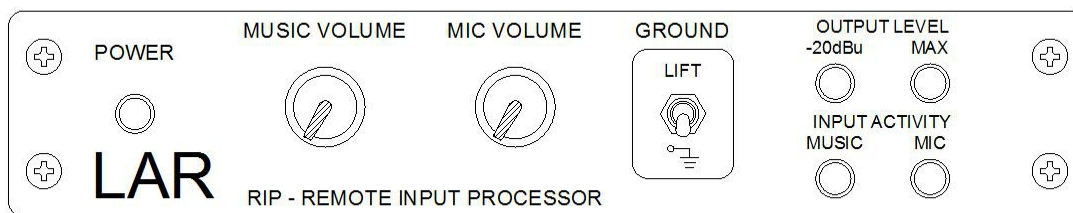


RIP

Remote Input Processor



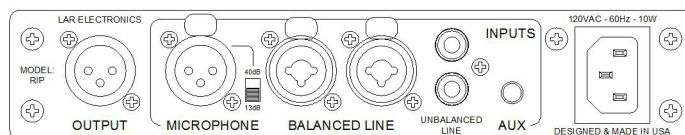
The **Remote Input Processor**, or "RIP" for short, was created as an all-in-one solution to a slew of input, output and signal processing and transmission problems. This half rack unit sized processor allows the user to plug in a variety of audio sources, such as CD and Personal Music Players, Professional DJ mixers, Smart Phones, Wired or Wireless microphones, ect., mix the stereo input signal to monaural and transmit the output signal over any balanced wiring scheme to a remote destination, possibly hundreds of feet away, without picking up stray EMI and preventing any annoying Ground Loop "Hum" Pickup Problems.

This is thanks to its' built in high quality bifilar wound output transformer that electrically isolates the RIPs output from its destination, and allows the user to maintain full remote control of both the Music and Microphone Output Levels, all the way from full cut, to maximum gain. Its' built in peak-sensing limiter can be field adjusted set to protect your particular audio system from damaging signal levels, all while maintaining the sonic excellence you expect from LAR equipment.

The RIP also provides the user with four front panel status indication LED's which indicate when an audio signal is present at any music or microphone input jack [Blue], when the output signal has reached a moderate output level of at least -20dBu [Green] and when the compressor is activated and the output signal has reached its maximum allowable level [Red].

Remote Input Processor Features:

- Independent Music and Microphone Output Level Controls.
- Stereo Input Signals Are Mixed to Monaural Automatically.
- Extremely Low Noise Amplification Architecture Utilized.
- Incorporates An Anti "Output-Thump" Turn On Delay Mechanism.
- Isolated Output Connection Eliminates Ground Loop Pickup.
- Built In Fast-Acting Output Signal Compressor Protects Equipment From Damage.
- Maintains An Excellent Frequency Response; < 10Hz to > 90kHz.
- Easily Drives 600Ω As Well As Large Reactive Loads.
- Excellent For Driving Hundreds of Feet of Transmission Line.



User Interface and Display	
<i>Front Panel</i>	
Controls	- Music Volume - Microphone Volume - Ground Lift Switch
Indication / Status LEDs [Color]	- AC Power Applied [Green] - (Any) Music Input Active [Blue] - Microphone Input Active [Blue] - (-20dBu) Output Level [Green] - Maximum Output Reached [Red]
<i>Rear Panel</i>	
Audio Inputs / Outputs	- (1) 3.5mm Auxiliary Input - (1) Unbalanced Dual RCA Line Input - (2) Balanced XLR/TRS Line Inputs - (1) Lo-Z XLR Microphone Input with Selectable Input Gain Switch - (1) Transformer Isolated XLR Balanced Output
Power Input Connector	3-Prong IEC Inlet

I/O Specifications	Note: 0dBu = 0.775Vrms or 1.1Vpeak
<i>Unbalanced Line Level Input</i>	
Input Impedance	10K Ohms – Per Leg
Throughput Voltage Gain	+5dB, Adjustable to +14.5dB
<i>Balanced Line Level Inputs</i>	
Input Impedance	20k Ohms – Unbalanced Per Leg
Throughput Voltage Gain	-1dB, Adjustable to +8.5dB
<i>3.5mm Auxiliary Input</i>	
Input Impedance	10K Ohms – Per Leg
Throughput Voltage Gain	Fixed at +13.6dB
<i>Lo-Z Microphone Input</i>	
Input Impedance	1K Ohms – Per Leg
Throughput Voltage Gain	+24.5dB / +51.5dB, Switchable
<i>Output Stage Specifications – Measured with 600Ω Load Across Output</i>	
+/- 3dB Frequency Response	6Hz to 95kHz
Output Insertion Loss @ 1kHz	2.5dB
<i>Output Clip Limiter Information</i>	
Compressor Topology	VCA Based Peak Sensing Feedback Style
Maximum Allowable Output Level	-22dBu to +2.7dBu, Adjustable
Compression Ratio	~ 20:1

Dimensions, Weight & Power	
Dimensions	8.5" W x 6.7" D x 1.62" H
Unit Weight	3 lbs.
AC Power Requirement	110-125VAC / 50-60Hz
Maximum Power Draw	10 Watts