L1

Dual Monaural Line Preamplifier

The uttermost quality of a preamplifier is its transparency. The source is selected and the volume is applied, however the original audio characteristics and signal dynamics are fully retained. The L1, a dual monaural analog line level preamplifier, was developed using this approach. It is a pure class A, ultra low noise, high bandwidth, fully balanced transistor based design. It provides the shortest path between input and output, maintaining the highest speed, transparency and musicality, allowing the L1 to become a truly exceptional preamplifier.

Volume Control
- 20bits R-2R ladder network
- 118dB range in 0.5dB steps
- Tight tolerance high-grade metal film resistors
- Fast switching, low On resistance analog switches

Analog Signal Path
- Phase inversion and Mono modes
- Pure class A, fully symmetrical design
- Fully discrete transistor based circuitry
- Ultra low noise, high bandwidth, high slew rate design

Power Supply
- Dedicated discrete regulated linear power supplies
- Ultra low noise, high accuracy regulation
- Oversized mains transformer
- Shunt regulators for critical stages
- Over-current protection
- Can be powered from the X1 External Power Supply

Analog Audio Inputs
- Four Neutrik balanced XLR connectors per channel
- Two WBT single-ended RCA connectors per channel
- Two high bandwidth coaxial BNC connectors per channel

Analog Audio Outputs
- Two individually buffered Neutrik balanced XLR connectors per channel
- Two individually buffered WBT single-ended RCA connectors per channel
- Two individually buffered high bandwidth single-ended BNC connectors per channel

UNIT SPECIFICATIONS

Analog Inputs	
Input impedance	Balanced (XLR): 100kΩ - Single-ended (RCA and BNC): 50kΩ
Analog Audio Outputs	
Frequency response	TBC
Total Harmonic Distortion + Noise	TBC
Signal to Noise Ratio	TBC
General	
Display	480 x 272 pixels 24bits RGB AMOLED
Power supply	Selectable 100V, 115V or 230V AC, 47Hz to 63Hz, < 1W in Standby
Overall dimensions and weight	440mm x 440mm x 133mm, 20kg
Software update / Control	USB port for software update / Ethernet based system control

Specifications subject to change without notice. Illustrations are informative only.