



L1

Dual Monaural Line Preamplifier



Where Swiss Precision Meets Exquisite Refinement



GRAND PRIX 2015
STEREO SOUND



GOLDEN EAR AWARD 2015
THE ABSOLUTE SOUND



OUTSTANDING OVERALL PERFORMANCE AWARDS 2015
SUPER AV

この音の素晴らしさを一体どんな言葉で表現すればいいのだろう。
これほど美しい音は体験したことがない

WHAT WORDS COULD I USE TO EXPRESS THE WONDERS OF THIS SOUND?
I HAVE NEVER EXPERIENCED SO MUCH BEAUTY BEFORE.

YANAGISAWA-SAN, STEREO SOUND

www.ch-precision.com

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.

OPTIONAL ACCESSORIES

	L1 Enclosure The addition of a second L1 enclosure transforms the L1 into a True Monaural preamplification system. The power supplies inside each enclosure are devoted to a single channel, further enhancing the noise performances of the system. The units are controlled simultaneously. More units can be linked together in a multichannel system.
	Monaural Analog Preamplifier Board In a True Monaural system (with two enclosures), each enclosure is able to receive an extra preamplifier board. This turns the L1 into a True Monaural Extended system, providing the preamplifier with twice as many inputs, ideal for larger systems.
	CH Support Discs Made of high technology carbon polymer composite, the Support Discs complete the CH vibration suppression system allowing a remarkably detailed three dimensional increase in the musical image. Set of 4 discs.

Modularity

- Stereo operation, 8 inputs
- Monaural operation, 8 or 16 inputs

Volume Control

- 20bits R-2R ladder network
- 118dB range in 0.5dB steps, from -100dB to +18dB
- Tight tolerance high-grade metal film resistors
- Fast switching, distortion-free analog switches

Analog Signal Path

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

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
- Two WBT single-ended RCA connectors
- Two high-bandwidth coaxial BNC connectors

Analog Audio Outputs

- Powerful discrete output buffer
- Output on balanced XLR connectors, WBT single-ended RCA connector and high-bandwidth coaxial BNC connector

X1 External Power Supply



The X1, musically and stylishly complementing the L1, is an ultra low noise, discrete, regulated linear power supply. It further improves the L1's performances, allowing your system to reach the next level of signal transparency, speed and musicality.



UNIT SPECIFICATIONS

Analog Inputs	
Input impedance	Balanced (XLR): 100k Ω or 600 Ω - Single-ended (RCA and BNC): 50k Ω or 300 Ω
Maximum input level	Balanced (XLR): 16V RMS - Single-ended (RCA and BNC): 8V RMS
Analog Outputs	
Frequency response	DC - 1MHz
Total Harmonic Distortion + Noise	< 0.001%, 1kHz, unity gain
Signal to Noise Ratio	130dB, unity gain and at maximum input level
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
Control / Software update	Ethernet based system control via the Android CH Control App / USB port for software update

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