

LS28

Line-Stage Preamplifier



The LS28 is a flexible and intuitive preamplifier that offers a remarkable level of performance in its price range. Inspired by the lauded Reference 6, the LS28 sports a new design inside and out, and has the ability to musically transform the finest audio system.

Offering much more than a few revisions to its predecessor, the LS28 incorporates a plethora of improvements. The tube complement has increased to four 6H30 tubes, providing higher transconductance, better dynamics, and better sound. Its R-core transformer is new and larger, with higher current in the power supply, and the critically important power supply has grown, improving its musical authority, dynamics, and impact.

Numerous parts improvements include a new board material that is thicker and heavier, and new input and output wiring that is proprietary. Its new volume control also sounds better, and provides full rotation.

With four sets of balanced and four sets of single-ended inputs, two sets of both balanced and single-ended outputs, plus tape outputs, there is maximum connectivity. The straightforward menu allows control of numerous parameters including input-naming, tube hour monitoring, auto-shutdown, and home theater pass-through (unity gain). Phase invert and mono/stereo switching are standard functions. And, there is an IR input and RS232 input control. Natural or black anodized finishes are available.

Like the Reference 6, the LS28 is fully balanced, Class-A, with a single gain stage, zero feedback, and bandwidth is 0.4Hz to 200kHz. This is pure Audio Research, with a presentation that has a natural clarity, is transparent, holographic, and dynamically alive. Music is compelling.

Each LS28 is literally hand-made from the ground up in our Minnesota facility, and the quality is obvious inside and out. Experience the LS28 for yourself to understand what makes this product so special, and such a great value.

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Specifications

Frequency Response: +0-3dB, 0.4Hz to 200kHz at rated output (Balanced, 200k ohms load).

THD + noise: Less than .007% at 2V RMS BAL output.

Dynamic Range: >122 dB (AES17)

Gain: Main output: 18.7dB Balanced output, 9.3dB SE output. Record out: 0dB (Processor input: 0dB BAL output).

Input Impedance: 100K ohms Balanced, 50K ohms SE. Inputs: 4 balanced, 4 single-ended. Assignable processor passthrough.

Output Impedance: 600 ohms Balanced, 300 ohms SE Main (2). 20K ohms minimum load and 2000pF maximum capacitance. Outputs (3): 2 main, 1 record out (XLR and RCA connectors).

Output Polarity: Non-inverting.

Maximum Input: 16V RMS BAL, 8V RMS SE.

Rated Outputs: 2V RMS (1V RMS SE) into 200K ohm balanced load (maximum balanced output capability is 17V RMS at less than 0.5% THD at 1kHz).

Crosstalk: -105dB or better at 1kHz.

Controls: Rotary encoders: Volume (103 steps), Select Input. Push Buttons: Power, Menu, Enter, Mono, Invert, Mute.

Power Supplies: Electronically regulated low and high voltage supplies. Automatic 45 sec. warm-up/brown-out mute. Line regulation better than .01%.

Noise: Less than -100 dBv at maximum volume (103).

Tube Complement: (4)-6H30P dual triodes.

Power Requirements: 100-135VAC 60Hz (200-250VAC 50/60Hz) 130 watts. Standby: 2 watts.

Dimensions:

Width 19" (48 cm)

Height 6.5" (13.7 cm)

Depth 13.7" (34.8 cm)

Handles extend 1.6" (4 cm) forward of the front panel.

Weight: 15.9 lbs. (7.2 kg) Net; 24 lbs. (10.9 kg) Shipping..

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