



INT-150

The INT-150 is Pass Labs' first integrated amplifier. Based on the X-150.5 Stereo Amplifier, the INT-150 embodies the design technology and refinements — including patented Super-Symmetry™ circuit — of the X150.5 and Pass Labs' larger X.5-Series amplifiers.

In performance, the INT-150 boasts an excellent dynamic range and fast response. Rated at 150 watts-per-channel into 8 ohms, and 300 watts into 4 ohms, it moves easily from black background to explosive transients, then back again, adding realism and authenticity to recorded materials. It performs with authority and stability regardless of loudspeaker load. Smooth and transparent, the INT-150 provides clean, expansive sound at an affordable price.

The Super-Symmetry topology developed by Nelson Pass improves performance by precisely matching characteristics of the two halves of a balanced amplifier. To the extent that distortion and noise can be made to appear identical at the two output connections, they will not be

detected at the balanced output. In conventional amplifiers, ordinary matching techniques can achieve improvements by a factor of about 10 under ideal conditions. In the INT-150, Super-Symmetry lowers distortion and noise by an additional order of magnitude.

Input, output and AC connectors are on the rear of the amplifier. The main power switch is also on the rear, but a convenient standby switch is available on the front panel. The INT-150 accepts four single-ended inputs via RCA connectors, and two balanced XLR inputs. The speaker outputs are equipped with heavy-duty, international safety-rated, five-way binding posts.

In physical size, the INT-150 resembles the X150.5, without the handles. The faceplate is machined from thick aluminum stock, then anodized instrument-gray. The remote is also made from machined aluminum, and visually matches the front of the amplifier.

Specifications:

Volume control:	63dB range, 1dB steps
Gain:	32 dB
Freq. Response:	-3 dB at 1.5 Hz and 60 kHz
Power Output:	150 watts @ 8 ohms 300 watts @ 4 ohms
Distortion @ 1 KHz:	1% at rated output 0.003% @ 5 watts into 8ohms
Maximum Output Voltage:	+/- 35 volts
Maximum Output Current:	+/- 20 amps
Input Impedance:	36 kohm balanced, 18 kohm unbalanced
Damping factor:	150 ref @ 8 ohms nominal
Slew rate:	+/- 50 V/ μ S
Output Noise:	<300 μ V unweighted 20-20 kHz
Dynamic range:	140 dB
Balanced CMRR:	< -50 dB @ 1 KHz
DC offset:	< 50 mv
Power Consumption:	225 watts idle, 600 watts maximum
Dimensions:	19W x 7H x 19D
Weight:	60 lbs. approx .

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