

LACHAPPELL AUDIO 500DT

500 SERIES DUAL TOPOLOGY PREAMP

FEATURE OVERVIEW

500 series tube and solid state preamp

Single 500 series bay

Blend knob for mixing tube and solid state paths

TrueTube™ powered tube

Input and output gain knobs with -20dB pad switch

The LaChapell Audio 500DT is a 500 series microphone preamp that features two separate topologies or amplification paths. When the blend knob is fully to the TUBE side, the signal will pass through a transformer before being amplified by a TrueTube™ powered 12AX7 vacuum tube. TrueTube is LaChapell Audio's proprietary method of supplying a full 250V to the vacuum tube so you get loads of clean tube gain.

When the blend knob is turned fully to the OPAMP side, the signal passes directly to a solid state preamplifier. This input is transformer-less and will provide clean gain with exceptionally low noise. Placing the blend control anywhere between the two extremes will "blend" the two topologies for a wide variety of tonal options.



SPECIFICATIONS

INTERNAL GAIN	67 dBu
INPUT IMPEDANCE	1.5 K Ω Mic / 10 K Ω Hi-Z
TUBE COMPLEMENT/TYPE	1x 12AX7 (ECC83)

TUBE PATH

THD+N	0.08%
FREQUENCY RESPONSE	20 Hz to 20 kHz
MAX OUTPUT (1% THD+N)	12 dBu
TYPICAL EIN	121 dBu

SOLID STATE PATH

THD+N	0.003%
FREQUENCY RESPONSE	20 Hz to 46 kHz
MAXIMUM OUTPUT	28 dBu
TYPICAL EIN	129 dBu

