

## 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 $\Omega$ Mic / 10 K $\Omega$ 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

