

TUBE PAC

PROFESSIONAL TUBE PREAMPLIFIER/ COMPRESSOR

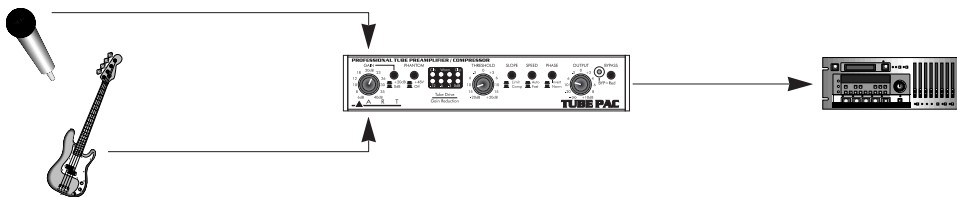


The Tube PAC from A R T is a combination of the world's most popular tube mic/line preamplifier and optical tube compressor. A R T engineers took the **Tube MP** and **Tube Compressor** and combined them into a single convenient aircraft-quality, extruded aluminum chassis. This new table-top design allows for easy placement in the studio or on the stage with immediate access to all the controls, features, and metering. In addition to being a tremendous vocal and instrument preamplifier and compressor package, this may well be the ultimate in tube direct boxes!

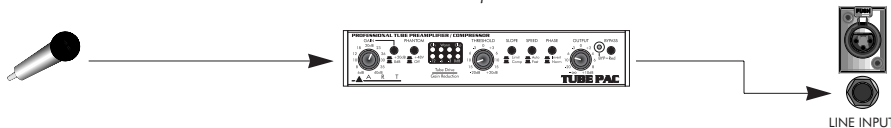
The mic/line preamplifier stage is that of the TEC nominated Tube MP – a time (and studio) proven design. It provides over 70dB of gain, +48v phantom power, phase reversal, and is capable of warming up any instrument or microphone. LED level indicators are provided to monitor the output of a 12AX7a tube for harmonic content. The input level controls allow you to dial in the desired amount of tube warmth and then independently set the output level from the compressor circuitry. The tube compressor is a VCA-less, optical design—similar to that of the “classic” tube compressors. Its ultra-musical sound is ideal for voice and instrument applications. Threshold, compression/limiting ratios, adjustable release times, bypass, gain reduction metering, and output gain controls are provided.

The Tube PAC is another impressive package from the world-wide leaders in tube dynamics signal-processing gear. Pick one up and catch your own tube-buzz at your favorite A R T dealer today.

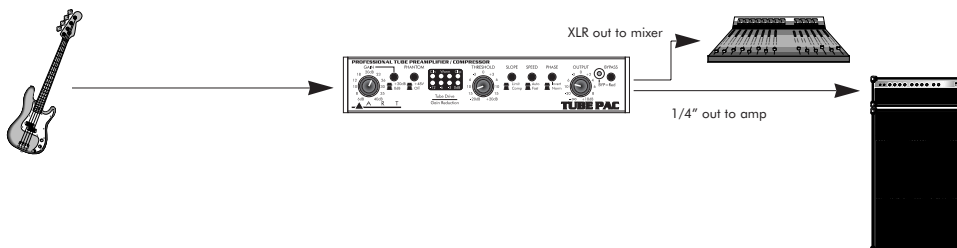
~ Mic or Instrument Direct to Tape Through the Tube PAC ~



~ Into a Line Input of a Mixer ~



~ Tube PAC Used as a Tube DI ~



A R T
APPLIED RESEARCH AND TECHNOLOGY

FEATURES:

COMBINATION TUBE MIC/LINE PREAMPLIFIER AND TUBE COMPRESSOR

TWO HAND-SELECTED 12AX7A VACUUM TUBES

WORLD FAMOUS A R T SOUND

TWO WORLD-CLASS DESIGNS IN ONE CHASSIS: TEC NOMINATED TUBE MP AND OPTICAL TUBE COMPRESSOR

THE ULTIMATE TUBE DI BOX FOR INSTRUMENTS

FAT AND WARM GAIN WITH MUSICAL DYNAMICS CONTROL

PRECISION DETENTED POTENTIOMETERS

+48V PHANTOM POWER

BYPASSABLE COMPRESSOR CIRCUITRY

BALANCED XLR AND UNBALANCED 1/4" INPUTS AND OUTPUTS

INTERNAL TRANSFORMER

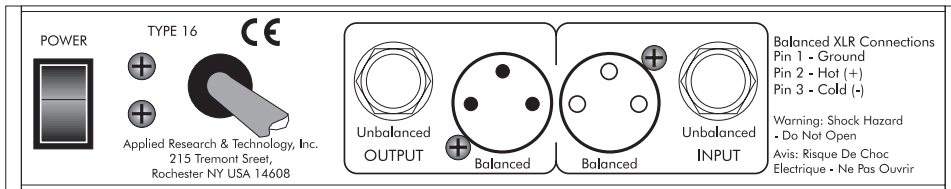
AIRCRAFT-QUALITY EXTRUDED ALUMINUM CHASSIS

DESIGNED AND MANUFACTURED IN THE USA

ONE YEAR WARRANTY

TUBE PAC

SPECIFICATIONS



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<i>Dimensions</i>	5.25"D x 8.5"W x 1.65"H
<i>Weight</i>	6.0 lbs
<i>Maximum Gain</i>	XLR to XLR 1/4" to 1/4"
<i>Phantom Power</i>	+48v DC (switchable)
<i>Compression Ratio</i>	2.3:1 (comp)/ 6:1 (lim)
<i>Attack Time</i>	6.5ms
<i>Release Time</i>	200ms (fast), 70ms-1sec (auto)
<i>Equivalent Input Noise</i>	-129dBu (XLR to XLR, 'A' weighted)
<i>Dynamic Range</i>	>90dB (no weighting)
<i>Input Impedance</i>	1.67k ohms (XLR), 1M ohm (1/4")
<i>Output Impedance</i>	600 ohms (XLR), 300 ohms (1/4")
<i>Maximum Input Level</i>	+15dBu (XLR), +21dBu (1/4")
<i>Maximum Output Level</i>	+27dBu (XLR), +22dBu (1/4")
<i>CMRR</i>	90dB (typical)
<i>Total Harmonic Distortion (THD)</i>	<0.1% (typical)
<i>Tubes</i>	Two Hand-Selected 12AX7a
<i>Power Requirements</i>	100-125 VAC, 16W (Export units configured for country of destination)

APPLICATIONS:

Home, Project, and Professional Recording Studios
DI Box for Instruments
FOH Sound Systems
Guitar, Bass, and Keyboard Rigs
Digital Audio Workstations and Computer Recording
MIDI Recording and Samplers
Voice-Over, Broadcast, and Edit Suites

".. the Tube PAC was clearly superior, offering a much more open sound without the brittleness and 'hardness' of the console pre-amps. When home and project studio owners start using the Tube PAC instead of their low-priced console mic pres, they'll most likely notice a significant improvement."

Loren Alldrin
Pro Audio Review
September, 1998

Features and specifications subject to change without prior notice.
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