

Put a bottle of juice in your lunchbox.



The RMS5A7 Tubule from Roll Music Systems.

A real, transformer-coupled tube
microphone preamplifier in the convenient
package you never thought possible.



www.rollmusic.com

RMS5A7 TUBULE

TUBE PREAMP MODULE

At long last, all the warm sweet satisfaction of a real transformer-coupled, high-voltage vacuum tube microphone preamplifier in the convenient and cost-effective 500-series modular format.

With the explosion of new modular products for the 500-series frames sold by various manufacturers, user requests for a tube-based module have been met almost universally with claims by designers and engineers that it couldn't be done. We took that as a dare. The result is not only a technological achievement, but a sonic masterstroke.

The RMS5A7 Tubule from Roll Music Systems combines the full-featured convenience of a modern mike preamp module with the rich, satisfying sound of a transformer-coupled, all-tube preamp evocative of the elusive bygone classics. This is not a wimpy starved-plate design, nor is it an op-amp based preamp with a tube stuck on top for marketing appeal. It's all tubes and iron, with sophisticated modern power management circuitry to generate the high-voltage plate supply and high-current heater supply to power the tube. Careful design of this high-efficiency power circuit allows the Tubule to work within the space and power consumption limitations of a single module.

Robust transformer coupling and flexible, wide-ranging gain controls make the Tubule perfectly suited to everything from low-output vintage ribbon mikes to the hottest modern condensers. The input pad, attenuator and gain control also work together to provide a wide tonal variety. For the cleanest tones, keep the input attenuator up and the gain control low. For more rich tube coloration, engage the input pad and turn the attenuator down in order to use a higher gain setting without overloading the Tubule or other devices in the signal chain. The continuously-variable input attenuator also allows for very accurate gain settings that can be easily recalled.

The RMS5A7 Tubule from Roll Music Systems is available from our network of friendly, expert dealers for \$1000.

Feature set:

- +48V phantom power switch
- Polarity switch
- -20dB input pad
- Continuously-variable 0dB to -10dB input attenuator
- 12-step gain control (33-66dB in 3dB steps)
- Magnetically-shielded input transformer
- All-tube, two-stage gain (uses one 12DW7 dual triode)
- Robust transformer-balanced output
- Fully compatible with all standard 500-series racks, lunchboxes, and consoles.
- Wide tonal range due to feedback-controlled gain circuit

Technical Specifications

Equivalent Input Noise (66dB gain, 150Ω source)	-121dBu
Input impedance:	1200Ω
Recommended Source impedance	150Ω
Maximum input level	+22dBu
Maximum Output Level	+24dBu
Output impedance	<300Ω
Recommended Load impedance	>10kΩ
Gain Range	3dB steps, 33dB - 66dB
Input Attenuator	continuously variable, -10dB to 0dB
Input Pad	switchable, -20dB
Frequency Response	+/-1dB, 10Hz-50kHz
Power requirements:	+/-16V @ 0.090A
(optional for optimal headroom)	+48V @ 0.003A
(Not including any phantom current to microphone)	
Vacuum Tube:	12DW7 / ECC832 / 7247

