

VTL Amplifiers, Inc.  
4774 Murietta Street, Suite 10  
Chino, California 91710  
USA



Tel (909) 627-5944  
Fax (909) 627-6988  
e-mail mail@vtl.com  
http://www.vtl.com/

## TP-2.5*i* Phono Preamp



The new TP-2.5*i* phono stage represents a tremendous value for those looking to assemble a high resolution analog system at a reasonable cost. Completely re-designed from the earlier version, the TP-2.5*i* is trickled down from our flagship phono stage, the renowned TP-6.5. Delivering a large measure of the musicality and resolution of its much more expensive stablemate, the new TP-2.5*i* offers dramatic improvements in speed, delicacy, nuance and drive.

Crafted with a similar high quality build and finish as VTL's more expensive models, the TP-2.5*i* has an elegant silhouette, and the features to match. With an eye toward flexibility and user friendliness, the TP-2.5*i* offers user-adjustable cartridge impedance, and two levels of gain, with inputs for both MC and MM cartridges. JFET/tube hybrid circuitry is used for the MC stage, and all-tube circuitry for the MM stage. Additional functions include a front-panel switchable function that is internally selectable between rumble filter or mono. The signal path is purposely kept simple and direct, with audiophile-grade components throughout, for ultimate sonic purity.

With the new TP-2.5*i* phono stage, we have created an entry to true high-end analog sound. The VTL 'family' genes of highly resolved detail, linearity and controlled bass are all there, along with tonal depth, richly textured midrange and spaciousness you won't find in most phono stages. For the true music lover seeking to capture the special magic that only a fine analog system can provide, the new TP-2.5*i* phono stage is an essential component.



The TP-2.5*i* shares the same cosmetics as the TL-2.5*i* preamplifier with aluminum top and thick sides that mount to a well-braced chassis, offering better rigidity and bracing, and also a non-ferrous loop around the audio circuit.

The TP-2.5*i* also comes with internal MC StepUp transformers, to offer the user complete flexibility to handle any cartridge. The available settings are MC active, or MC StepUp Transformer, either of which flow through the 12AX7 MM stage resulting in an all-tube path for the MC Stepup.

The MC StepUp transformers at 10:1 step up ratio offer approximately the same gain as the active MC stage, but with far lower gain noise, and cartridge loading options of 100ohm, 470ohm and 1kohm. Certain low gain low source impedance cartridges sound better with step up transformers, and the lower-noise step up means that a very wide range of cartridges can be used.

To further reduce the noise pickup by the stepup transformer, shielding between the power supply and the audio circuit has been added, and the AC filter components are now moved to the AC power supply side of the shield.

Another design breakthrough in the TP-2.5*i* is the use of the shunt regulator in the power supply, resulting in lowered noise floor and opening the soundstage to a wider, more spacious and cohesive soundscape.

The new power transformer in the TP-2.5*i* is similar to that used in the TL-2.5*i*, and is designed to achieve a much lower magnetic radiation by utilizing a balanced winding technique.

Multi-stage AC RF filtering ensures complete filtering from AC-borne radio frequency interference, and lowered circuit noise, for a darker and quieter background.

**Features:**

1. Low noise hybrid JFET/tube active MC stage, and pure tube MM stage.
2. Separate MM and MC inputs.
3. User-switchable MC resistive cartridge loading with 6 settings: 100Ω, 250Ω, 470Ω, 1kΩ, 4k7Ω, 47kΩ.
4. User selectable MC StepUp loads are 100• , 470• , 1k• .
5. User selectable MM loads are 10k• , 47k• , 100k• .
6. User- switchable MC gain settings of 62dB and 56dB.
7. Passive RIAA filter,
8. Buffered output for driving low impedances through any cable.
9. Zero microprocessor noise.
10. Front panel Power, Rumble/Mono and Mute switches.
11. Rumble function rolls off to -3dB at 10Hz.
12. Audiophile-grade components throughout, including REL caps.
13. Low-radiation power transformer with comprehensive AC RF filtering and shielding.

**TP-2.5i Phono Preampifier Data Specifications**

	<b>MC</b>	<b>MM</b>	<b>MC StepUp</b>
Gain (Total 62dB)	Selectable 56dB or 62dB	46 dB	65dB
Selectable Cartridge load	100Ω, 250Ω, 470Ω, 1kΩ, 4.7kΩ, 47kΩ	47kΩ, 100kΩ	100Ω, 470Ω, 1kΩ
Signal to Noise Ratio	46 dB	65 dB	64 dB
Minimum Recommended Cartridge Output	0.2 mV	1.5 mV	0.2mV
Vacuum Tube Complement	1 x 12AU7	2 x 12AX7 (1 x 12AT7 output)	
<b>Inputs</b>	1 pair single-ended RCA	1 pair single-ended RCA	
Outputs	1 pair single-ended RCA		
Output Impedance	375Ω		
Frequency Response +0 -1 dB	10Hz – 100KHz		
Maximum Output Voltage <1% THD	8 V		
Channel Separation	> 60dB (20 Hz – 20 KHz)		
Power Consumption	25W		
Dimensions W x D x H	19 x 14 x 3.75 inches 48.25 x 35.5 x 9.5 cm		
Weight	25 lbs (11.34 kg) packed		