

Dared Saturn Signature Class A Integrated Amplifier Single Ended Triode (Single KT-150)



Overview:

Introducing the Sound of Tube - Dared, and the new KT-150 SET high resolution tube integrated amplifier. Highly regarded by audiophiles, a single-ended triode (SET) amplifier is a vacuum tube electronic amplifier that uses a single tube for its final over a “push-pull” type tube amplifier which uses a pair of tubes using anti-phase internal circuit design to generate an output with the wanted audible signals present and the distortion components subtracted. All guitar amplifiers use this simplistic design since the 1940's and where SET amplifiers are achieving a cult status because of their alleged excellent mid-band performance. It is this "mid-band" that is to many as the most important part of the audio spectrum in music reproduction. This perceived high sonic quality noted by audiophiles is mainly attributed to the simplicity and minimalistic approach of the circuit design and the triode amplifying tube selected.

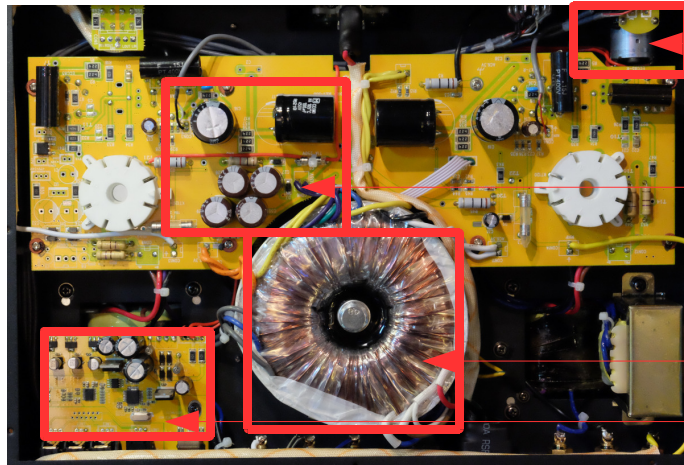
Attributes:

The new KT-150 tube reigns over Dared's predecessor the KT-120. For those so technically inclined, higher imaging and better current power with fast response is realized by way of a massive plate inside the tube being used with increased heat dissipation of 70 watts. The new KT-150 tube is considered as the most powerful octal beam tetrode ever produced, and where even the design of the KT-150 tube's glass casing with an egg shaped balloon design specifically improves thermal dissipation and maintains a superior vacuum for the best sound. The fact that the glass envelope has no flat sides results in where the tube has no issues with microphonics, a common problem with other like tubes.

About Dared:

Dared combines Technology to the world of Tube and was the first in 2006 to introduce USB DAC connectivity to its products well before its peers. The Saturn Signature continues where for you, the music lover or audiophile, whether listening to vinyl or using a PC connection, The Saturn Signature has CAS HD Musical Qualities within a beautiful design at an affordable price.

Enjoy that satisfying “soundstage” no matter your music preference with uncompromised performance. Designed, handcrafted, individually tested and delivered to you by Dared.



Potentiometer

Power Filter Circuit

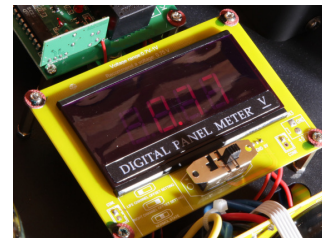
Toroidal Transformer

USB DAC

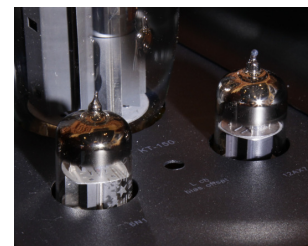
As part of Dared's manufacturing standard and included in your component's design and fabrication for exceptional, yet affordable sound quality is the use of: Oxygen Free Copper (OFC) wiring for having enhanced conductivity advantageous to audio signal transmission; custom made toroid transformer to prevent noise interference, a PCB using a 2 oz copper layer to maintain extreme low resistance and noise; Japanese Nichicon high quality Electrolytic Capacitors, Panasonic High Quality Coupling Capacitors. For superior high frequency performance, Non-inductive resistors and Gold plated tube sockets and input/output connections

Specifications:

- Power Output: Class A MAX 25W per channel
- Power Input: MAX 150W
- Frequency Response: 20Hz-40kHz (+/-0.5dB 1W)
- Output Power Distortion: 0.05% (4W 1kHz)
- Input Sensitivity: 220mV
- Input Impedance: 100k ohms
- Inputs: Line 1, Line 2, Line 3, AUX, USB DAC
- USB DAC Spec.: 32Bit 384kHz
- Speaker Output Impedance: 4ohms or 8ohms
- Headphone Output Impedance: 32-600ohms
- Overall Negative Feedback: -39dB
- Overall S/N Ratio: 85dB
- Power Consumption: Max. 220W
- Damping Factor: 6 (Distortion: 0.1%)
- Voltage Range: 100-120V, 220-240V
- Operation Method: Single End Class A
- Remote Control: RF Remote for Volume Control
- Power Tubes Required: Matched pair KT-150
- Preamp & Driver Tubes Required: 12AX7 x2 (ECC83x2), ECC85 (6N1) x2
- Tube Bias: Manual adjustable with bias monitor meter
- Dimensions: 380x295x160mm / 14.96"x11.61"x6.3" (WxHxD)
- Weight: 18kg/39.7lbs



Bias Adjustment Meter



Manual Bias Adjustment

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Authorized Dared Dealer:

