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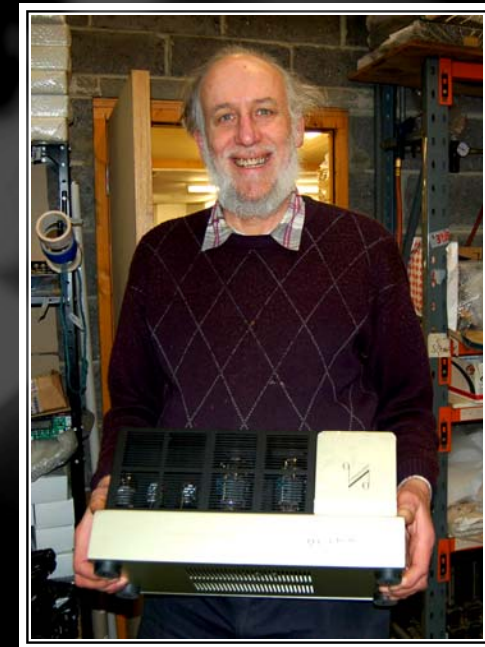
*Quad II Classic
Integrated Amplifier*

QUAD

the closest approach to the original sound...

The Quad II Classic Integrated Valve Amplifier

- A 20th century recreation of the original 1953 Quad II Classic design by Peter Walker
- Built according to Peter Walker's philosophy of cathode loading onto the output stage and simplicity in design, to ensure that sound reproduction has the same wealth of detail and gentle tone as its original predecessor



Renowned tube-amp designer Tim DeParavicini
with the Quad II-Eighty Valve Amplifier

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The Pure Class A output design

- The KT-66 output valves, in push-pull configuration, are visually stunning, even when safely secured with a cage that protects them
- Each valve produces around 25 Watts per channel output in “Pure Class A” which allows a gloriously refined sound that appropriately matches contemporary loudspeakers

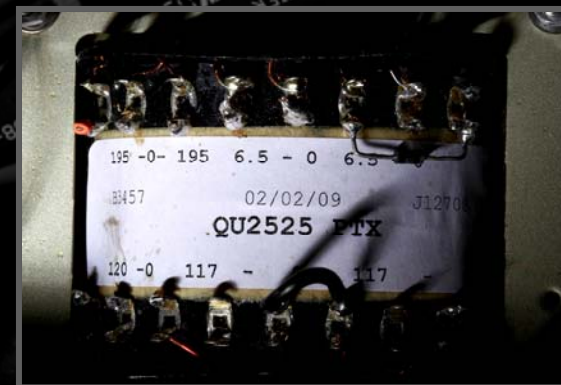
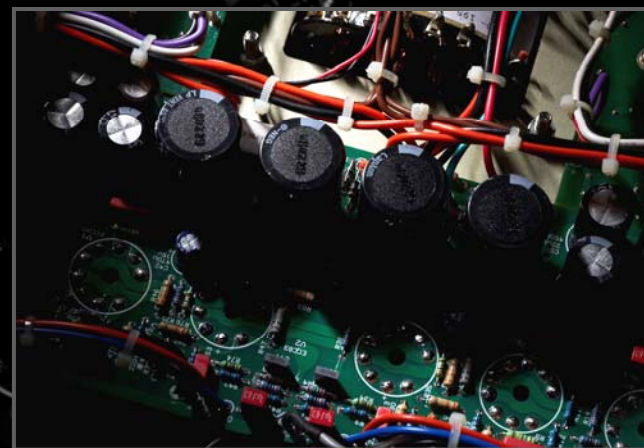
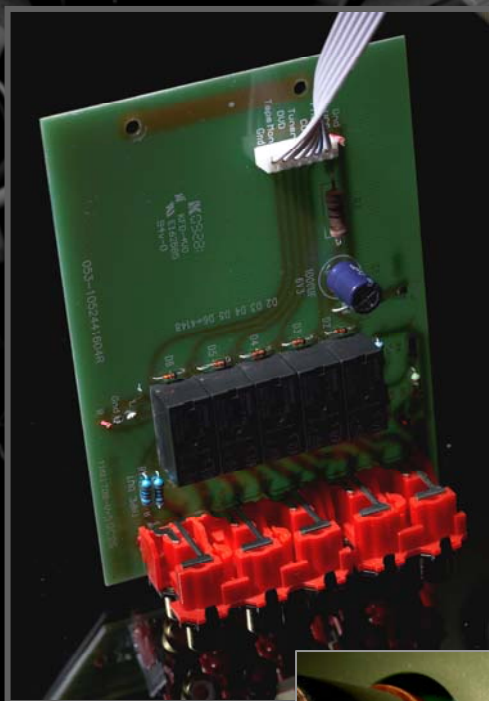
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The Inside of the Quad II Classic Amplifier

Each amplifier part utilizes “A-grade” components which were either manufactured in UK or imported from other audiophile manufacturers.

These include the transformers, ceramic tube sockets, vacuum tubes... etc.



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Design and Engineering

All of the metal work were made by CNC machines with precision cutting and intricate handcraftsmanship of in-house production & QC control personnel



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Built-in Phono Amplifier

- Equipped with a bi polar transistor phono amplifier that uses 4 transistors per channel with low feedback to provide correct RIAA equalisation
- Also has gain switching for Moving coil cartridges. 0.25 mV at 1 Khz, a circuit which operates from a regulated 36 volts derived directly from the main HT valve. It ensures a very high overload performance from records.
- The phono circuit is housed in a shielded compartment providing low noise RF proofing within the main package.

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Quad II Classic Integrated Amplifier

- The Quad II Classic Integrated amp operates in Pure pentode (Beam tetrode) output with partial cathode loading, this being more linear than so called ultralinear.
- The amplifier is pure class A operation, whereas its push pull operation's efficiency can only reach 50% max.
- The power supply is the usual capacitor filter with diode bridge rectifier, AC 6.3 volt heaters to the valves that is shared between both channels.

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Integrated Amplification Process

- Upon Input, a selector switch routes the required signal to the volume control then on to the first of 3 small driver valves. This first valve is an ECC83 acting as a differential balance circuit that is a phase splitter.
- The output going into a pair of ECC88 valves that both operate as a cascode circuit for high gain and wide bandwidth, directly drives the output valves (KT66) via capacitors.
- The circuit had to have high gain than a normal power amplifier to offer a nominal 250 mV input sensitivity on the various inputs.
- Push pull feed back is arranged from the cathodes of the output back to the ECC88 valves to provide low distortion and noise with consistent performance.



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Quad II Classic Integrated Amplifier

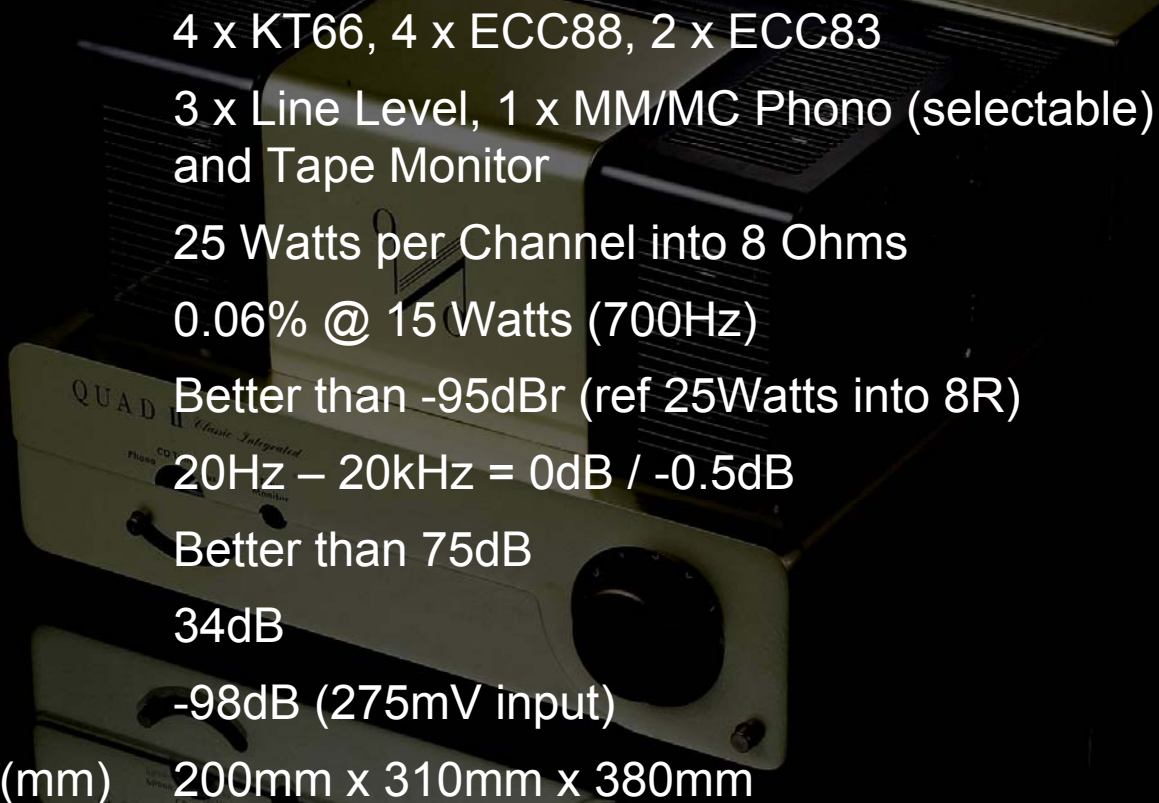
The package had to retain the retro look of the famous predecessor, with the power amplifier and transformers blended into a modern compact look.

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Quad II Classic Integrated Amplifier

Technical Specifications:



Valve Type	4 x KT66, 4 x ECC88, 2 x ECC83
Input Channel	3 x Line Level, 1 x MM/MC Phono (selectable) and Tape Monitor
Output Power	25 Watts per Channel into 8 Ohms
THD	0.06% @ 15 Watts (700Hz)
Noise	Better than -95dBr (ref 25Watts into 8R)
Frequency Response	20Hz – 20kHz = 0dB / -0.5dB
Crosstalk	Better than 75dB
Gain	34dB
Noise	-98dB (275mV input)
Dimensions: H x W x D (mm)	200mm x 310mm x 380mm

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