



GC Audio 500 Realism Preamp:

Thank you for purchasing the Realism Preamp.
We hope you have as much fun using it as we had designing it !

Warning : When you remove the module from an 500 rack, **never pull on the electronic card**, always pull from the front face.

The GC Audio Realism Preamp is a complete mic / instrument preamplifier with a front panel combo input.

The design is designed around a class A differential preamplifier composed of ultra low noise SSM 2212 paired transistors.

The following AOPs are also OPA1612 which are among the quietest on the market. Great care has been taken in the choice of capacitors. Each coupling and decoupling link is optimized for an impulse response. Low values are ensured by Wima plastics and higher values by Nichicon Long Life low ESR electrolytic.

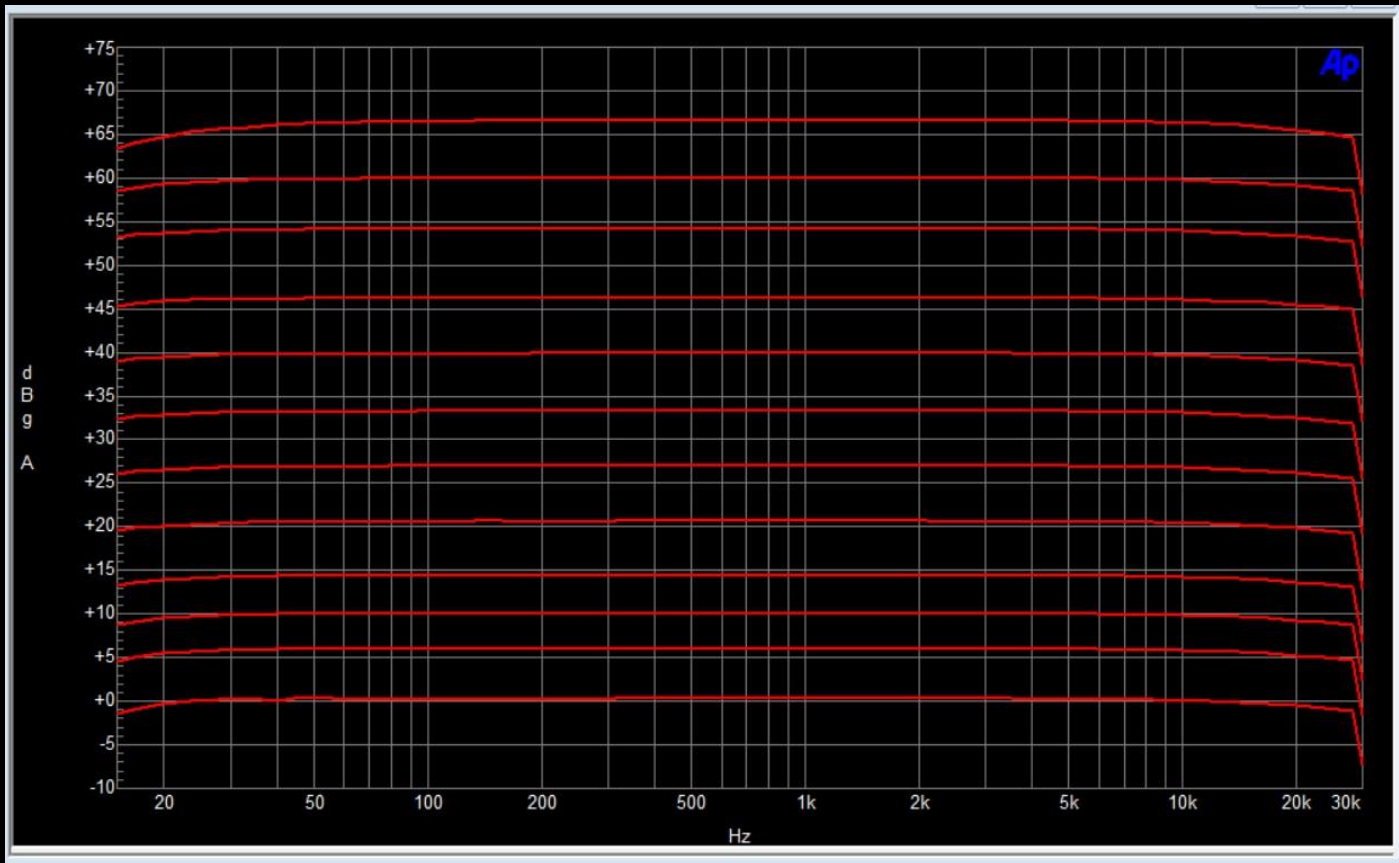
The output balancing stage consists of a Lundhal high level output transformer preceded by a solid low output impedance current generator stage. The few uH generated naturally by the output coil of the transformer brings presence and a feeling of proximity.

No sound passes through the front panel switches, each switch drives gold contact mechanical relays or ultra low R-On solid state relays.

The result is a very quiet preamplifier, with great realism in the highs and flawless reproduction of the sharpest transients.

- EIN (Equivalent input noise): -130 dBu / -132,21 dBv (20Hz / 20Khz gain 60dB, 150 ohms input).
- THD + N : 0,05%
- Z Mic Input: 5K.
- Z Inst Input: 500K.
- 12 teps Gain = 0 – 66dB

Frequency Response :



Phase :

