



Mutine

Audiomat Maestro Référence

digital / analog converter



INTRODUCTION

Completely assembled by hand, in limited series, the Maestro Référence honors Audiomat's well-deserved reputation of building reliable and timeless products. The Maestro Référence, with more than 20 years in the making, embodies exceptional technology mastery. It is the very high-end version of the Maestro, which has been adopted as the reference DAC by several audio critics in Europe and North America. Considering the extreme care that went into the design and development of the Maestro Référence, it will not come as a surprise that it is considered the most musical DAC currently available.

POWER SUPPLY

The Maestro Référence has an external power linked to the DAC by high grade Neutrik connectors. Two «Ultra Low Noise» resin molded low induction toroidal transformers feed the digital and analog sections. Two Sic/Saco Cpax/S custom designed 680 000 microfarads capacitors with 440 microfarads polypropylene parallel decoupling capacitors filter the analog section power supply.

MECHANICAL INTEGRITY

The two aerospace-graded aluminum chassis are crafted by the most reputable makers. The main chassis is reinforced by a 4.5-pound brass plate to better absorb vibrations and to increase magnetic shielding. Like all Audiomat products the Maestro Référence has undergone intensive microphonic behavior research. Since the creation of the brand, Audiomat products are delivered with three solid brass nickel-plated cones. Their positioning and tightening has been carefully studied to provide the optimum extraction of vibrations. This is why the Maestro Référence will perform at it's best when placed on a stand designed with musicality in mind.

DIGITAL SECTION

True to its purist philosophy, Audiomat always refused the use of interpolation, considering this attempt to re-create information not faithful to the original. Instead Audiomat has concentrated its efforts to preserving micro informations.

The ultra fast input stage which uses two LUNDHAL LL 1572 digital input transformers and a reclocking and anti jitter circuit feeds a Crystal CS 8414 demodulator followed by the Burr Brown DF 1704 digital filter and four Burr Brown PCM 1794 multibit converters. Being current-driven, the DACs allow the design of a specific analog circuit, which requires the use of fourteen carefully selected bipolar transistors working in pure class A, excluding the use of any operational amplifier in the signal path.

ANALOG SECTION

The analog section, without any feedback loop, uses a Teflon printed circuit and only selected discrete components. The passive seventh order filter uses mica capacitors and shielded selfs. With an exceptional phase rotation control, it enables an important rejection of ultrasonic interference, which degrade the musical signal, generating a cold and unnatural sound. Working integrally in real balanced mode, the balanced outputs are directly driven by the circuit. The output stages boast a very high current reserve and use polypropylene link capacitors.

CONNECTORS

The Maestro Référence uses WBT NextGen and Neutrik connectors.



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SPECIFICATIONS

Type	24 bit/192 kHz
Demodulator	Crystal CS 8414
Digital filter	Burr Brown 1704
Multibit converter	Burr Brown PCM1794 (4)
Transistors	14 bipolar in pure classe A
Analog filter	seventh order passive
Power supply	2 x 350 VA 2 x 680 000 microfarads 440 microfarads polypropylene in parallel
Output level	2,8 volts
Digital inputs	1 RCA, 1 Toslink, 1 XLR
Analog output (RCA)	1 unbalanced
analog output (XLR)	1 balanced
Available finishes	Brushed aluminum Anodized black on special order
Warranty (North America)	Basic: 90 days Extended: 2 years
Weight	15 kg - 33 lbs.
Dimensions (w x h x d)	44 x 13 x 36 cm 17.3 x 5.1 x 14.2 in.

