

ATO LL

SERIE 400





CD PLAYER/DAC CD400SE

The dual mono Burr-Brown digital to analog convertors and dual power supplies ensure top level performance unavailable at any player near the CD 400SE price point. The Class A output with zero feedback offers accurate dynamics and detail deserving the Gamme 400 designation.

The effortless presentation and detail is immediately noticeable, whether using the CD400SE as a CD player or taking advantage of its SPDIF inputs and using the reference level dual mono internal Burr-Brown 1794 DACs. The 125 dB signal to noise ratio and XLR outputs offer a very quiet or "black" back ground allowing to enjoy the musical presentation without any spurious artifacts.

The modern yet elegant design mirrors the choice of a quality component and a statement of serious performance. The unique lines of the CD400SE match the aesthetics of the PR400 pre-amplifier and the IN400 integrated amplifier.

TOP LOADING CD DRIVE

Specific CD transport
Anti-vibration system
Aluminium top plate
CD text



Product highlights:

- Top loading CD Drive designed by Atoll
- 2 PCM1794 converters (one per channel)
- Discrete components symmetrical output stages
- Specific design with no feedback
- MKP audiophile link capacitors
- 160VA toroidal transformer for audio stages
- Asynchronous USB-B input (24bits/192kHz)
- 2 digital inputs (1 coaxial & 1 optical)
- Digital Outputs (coaxial & optical)
- Stereo XLR outputs
- Stereo RCA line outputs

Specs for CD400SE:

Total of capacitor: 22 500µF
Rising Time: 1,5µF
Bandwidth: 5Hz-20kHz
Output level: 3Vrms
Signal/Noise ratio: 125dB
Distortion at 1kHz : 0,001%

Dimensions : 430*320*90mm
Weight : 9 Kg (20 lbs)



CD DRIVE DR400

A CD transport drive version is available. It has the same basis as the CD400SE with special features regarding the transport and the supplies.

- Top loading CD Drive designed by Atoll
- High current power supply for CD transport
- Design for jitter reduction
- AES-EBU output
- Coaxial & optical outputs





INTEGRATED IN400

The concept of the IN400 rests on our aesthetic and technical approach dedicated to optimal musicality. In mechanical terms, chassis is made from 2 mm steel and the front of 10 mm aluminum. Lateral curved heatsinks are manufactured in massive aluminum blocks by a completely unique process. The original design of the cabinet has been studied to best absorb mechanical vibrations and ensure perfect heat dissipation.

Electronic scheme is the result of long hours of updates that helped to optimize its operations and to refine the choice of components. Electric stages are rigorously double mono with a specific attenuator by channel and two ground star differentiated. Each component has been selected by listening and comparison test. The original scheme is optimized to refine the polarization bias currents and feedback.

The ultimate goal is to provide maximum power with as much energy in all registers. It then gets a listen binding wide stereo image and fluidity, natural and harmonic wealth.



Product Highlights:

- 5 inputs (with 1 AUX. for optional phono stage or Digital SPDIF)
- 1 By-pass input
- 1 XLR input
- 1 USB input (B type)
- Balance setup
- silver front remote control



Specs for IN400:

- Power Wrms / channel / 8 ohms : 160W
- Power Wrms / channel / 4 ohms : 300W
- Power supply : 1015 VA
- Total of capacitors : 93 400 μ F
- Input Impedance : 220 kohms
- Sensitivity : 350 mV
- Signal/Noise rate : 100 dB
- Distortion at 1kHz : 0,05%
- Frequency Response : 5Hz - 100 kHz

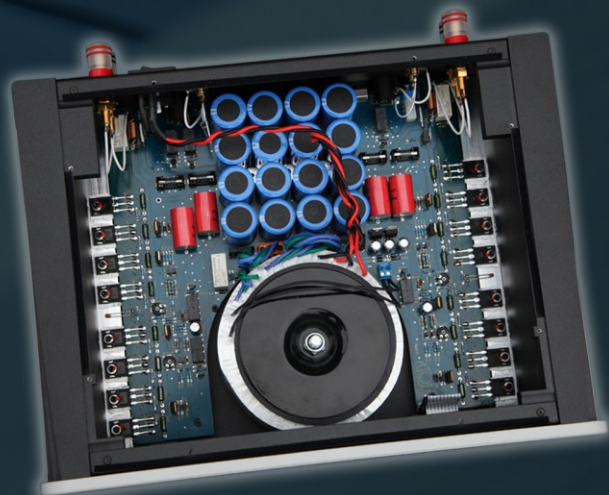
- Dimensions : 440*370*130 mm
- Weight : 20 Kg

POWER AMPLIFIER AM400

Power stages have 8 transistors per channel which provides considerable, perfectly mastered energy through carefully crafted audio stages. Connection between the main board and out cable speakers are made of pure, deoxygenated, copper silver plated with teflon insulation. These cables are manufactured on demand by one of the best French manufacturers of hi-end audio cables.

Similarly, filtering, low-resistance series capacitors are made in France on specifications by a leading Company. Binding to structure a polypropylene film capacitors have been selected to listen in the high range of the biggest manufacturer's series. Output connectors speakers are solid copper with plated gold, chosen for their ability to pass unaltered any energy and micro-defeated the musical message.

In mono-bridged mode the energy gain is colossal: this operation should be in all systems where a high power is required. The differential structure scheme allows to achieve this transformation without altering the nuances of musicality, instead the sound quality makes it even more realistic listening.



Product Highlights:

- XLR Inputs
- RCA Inputs (switch at the rear of appliance)
- bridgeable on mono block (switch at the rear of appliance)
- Double mono fully symmetrical



Technical Specs for AM400:

- Power : 160 Wrms / channel / 8Ω
300 Wrms / channel / 4Ω
- Power on mono block : 600 Wrms / 8Ω
- Power supply : 1015 VA
- Total of capacitors : 93 400 μF
- 8 power transistors MOS-FET per channel
- Input Impedance : 220 kΩ
- Sensitivity : 350 mV
- Signal/noise Ratio : 100 dB
- Distortion at 1kHz : 0.05%
- Bandwidth : 5Hz - 100 kHz
- Dimensions: 440x370x130 mm
- Weight: 19 Kg (41.9 lbs)

PREAMPLIFIER PR400

The PR400 audio stages have been developed with due regard to combine a very wide bandwidth and a perfectly regular phase. This principle provides an overall consistency that provides a total immersion in the sound stage.

The concept of rigorously symmetrical stages provides a very detailed and full of nuances musicality with a clear ability to separate the interpreters and the different registers.

The PR400 also has the faculty to present a seamless musicality regardless of the listening level. The care taken to lower settings and the choice of components allows to make perceptible the slightest breath and the intentions of the interpreters with a no-brainer and a surprising natural. The smallest nuances and the subtleties of the timbres are perfectly intelligible.

Product Highlights:

- 5 Inputs with 1 AUX, suitable for 1 optional board :
 - Phono Stage (P50 or P100)
 - SPDIF digital board
 - Wireless Input
- By-pass Input
- XLR Input & output
- USB Input (B type) - 24bits/96kHz
- Balance setup
- Remote control with silver plate



Technical specs for PR400:

Power supply : 2x170 VA
 Total of capacitors : 85 000 μ F
 Input Impedance : 220 K Ω
 Sensitivity : 500 mV
 Signal/noise Ratio : 100 dB
 Distortion at 1kHz : 0.005%
 Bandwidth : 5Hz-200kHz
 Rising Time : 1.5 μ s

Dimensions : 440*130*370mm
 Weight : 15 Kg (33 lbs)



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