



AUSTRIAN AUDIO



Full Score one
High End Headphone Amplifier

MAKING PASSION HEARD

Heritage & Legacy

Our core team comprises former AKG (Vienna) personnel:

- Patents held in multiple disciplines
- The team developed some of the world's best-selling condenser and dynamic microphones and globally renowned headphones, that became industry standards.
- Extensive practical knowledge and ODM (Original Design Manufacturing) work in pro audio, consumer and automotive acoustics.

Over 350 years of experience

- Leaders in many engineering disciplines, including: acoustics; audio-electronic; automotive; DSP; embedded software & firmware; mechanical; noise cancelling, test and measurement; telecom; and transducer.



Full Score one

High End Headphone Amplifier

The Austrian Audio Full Score one is built like a very low noise power amplifier. It is designed to handle both low impedance headphones down to 10 Ohms up to high impedance, low sensitivity headphones with over 300 Ohms.

The main amplifier comprises a wide band, fully symmetrical voltage feedback circuit with a triple emitter follower output stage biased in class B, a high-speed complementary push-pull gain stage and a cascoded parallel differential input stage.

The design results in lowest THD (Total Harmonic Distortion) at every output level and frequency range so every nuance of the recording can be enjoyed even with less sensitive headphones that need more amplification.



Austrian Audio True Transient Technology

One special property of the main amplifier is its short, output voltage invariant rise time, combined with a high maximum slew rate.

This feature is called Austrian Audio True Transient Technology (TTT). With the TTT Button pushed it enables the amplifier's ability to deliver even the steepest transients unaltered to the listener. This way the full bandwidth and finest subtleties of the recording become accessible to the listener at any volume.

The listener may choose whether to activate this feature dependent on the programme as some (older) audio productions may have been mixed with slower systems in mind.



Superior High-Precision Sound

The volume potentiometer employs a special custom curve to make the adjustment more comfortable in the lower regions without the need for a gain switch.

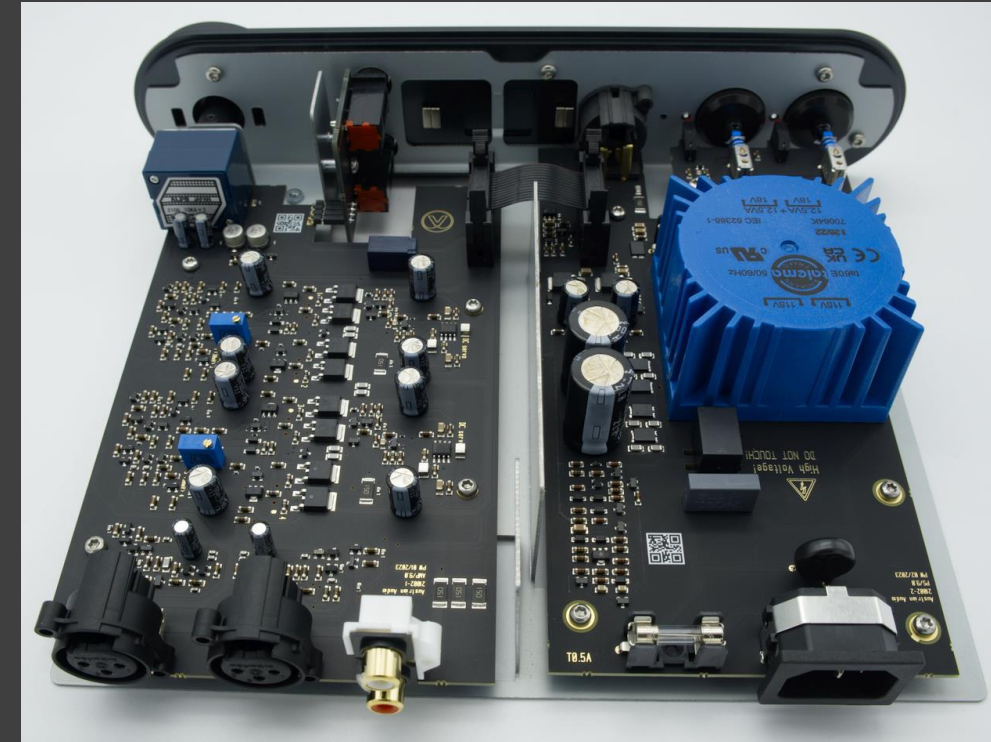
The signal input before the volume control is buffered by a high speed, high impedance JFET amplifier to keep the capacitive load on the source as low as possible and to provide maximum immunity against radio frequency interference.

The linear power supply implemented provides more than enough performance for demanding listening sessions even with more than one pair of headphones connected. It's fan-less design guarantees a noiseless operation while the all-metal housing combines shielding, robustness and elegance for every use case from the recording studio to the living room.



Key Features

- Very fast amplifier results in very little transient modulation
- High End Potentiometer that eliminates the need for a gain switch
- True Transient Technology (TTT button) enables to transmit even extreme transient signals
- Switchable TTT technology as this feature may be unpleasant with older material
- Fully discrete, analogue Amplifier Design
- No ICs in the signal path
- Only high-end or military grade components used
- High Voltage design enables higher dynamic range
- Very low noise
- 6 dBA SPL (in connection with the Composer, which is very sensitive)
- Made in Austria



Technical Specifications

- Power Bandwidth: 5 Hz – 1 MHz
- THD (@ 1kHz): 0.0005 % at full load
- Recommended input voltage: 0dBV, 1Vrms
- Recommended max load (5 Hz – 20 kHz): 10 Ω – 600 Ω , max. 150 nF
- Max output voltage (5 Hz – 20 kHz): 19 dBV, 9 Vrms @ 0,01% THD
- Selfnoise: EIN 136 dB(A)
- Max slew rate: 200 V/ μ s
- Inputs: 2x XLR and 2x RCA (parallel)
- Outputs: 2x 6.35 mm jack and 1x XLR 4pin
- Power rating: 220 – 230 V~ / 50 Hz, max. 25 W, automatic switch to 110 – 120 V~ / 60 Hz
- Dimensions: 210 x 265 x 60 mm
- Weight: 2.76 kg





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