



Accustic Arts REFERENCE MONO-II Mk2 300w/530w Monoblock power amplifiers (pr)

AA 15 AM RMONO

NZ\$40,995.00 pr (incl. GST)

STEREO JAPAN - BEST PRODUCTS of the YEAR AWARD

AEX JAPAN - AUDIO EXCELLENCE AWARD

HK/CHINA – HiFi REVIEW - PRODUCT OF THE YEAR AWARD

USA – TAS THE ABSOLUTE SOUND - EDITORS CHOICE AWARD

MONO & STEREO - UPER ECHELON CLASS AWARD

TAS THE ABSOLUTE SOUND EDITORS CHOICE AWARD - 2018

NEW UPGRADED Mk2 MODEL - RELEASED LATE 2019

ACCUSTIC ARTS® MONO II output amplifier is a recent addition to the ACCUSTIC ARTS® family of amplifiers and is the first amplifier from our company designed as a mono amplifier. The MONO II is based on the legendary AMP II, which enjoys worldwide popularity.

"I have concluded that the Accustic Arts Tube Preamp II Mk 2 and Mono II amplifiers definitely are on my list for one of my Brutus Awards at the end of the year. They therefore definitely rate a "Ye Olde Editor's 'Very Highly Recommended!".....David W. Robinson - Positive Feedback Mag.

REVIEW SUMMARY:

"The affinity with the AMP II – MK 2, the best value amplifier among our STEREO top references, from Lauffen is unmistakable. But with even stricter selection of parts and components, a little modified and more powerful power supply unit and the natural advantages of the mono concept the MONO II wins by a nose technically as well as sonically.".....Matthias Böde of STEREO on the MONO II:

Client's comment: Thank you so much Terry for these little beauties. I can not believe just how great they are. The detail, tightness, and warmth is truly amazing. Coming from a electronics background I always thought amplification was just a matter of numbers...DB gain, Current, Impedance etc that's why I have always had the best source I can afford, thinking the sound can be only as good as the DAC's etc at the front end. But boy! Have I been proven wrong these Mono II's just confirm that amplifier design is more of an art (excuse pun) than simple maths. I ended up taking the rest of the week off work for a kaleidoscope of listening pleasure. Thanks again...I think I owe you a beer next time I'm up that way. ...James



The typical, cube-like timeless ACCUSTIC ARTS® design of the housing with its Bauhaus style is now continued with the MONO II. The slim design of the housing makes MONO II excellently suited to positioning near to loudspeakers.

The ACCUSTIC ARTS® DNA:

Thorough development and best components = wonderful sound experience.

As is usual at ACCUSTIC ARTS®, during the development of the MONO II a high priority was the perfect signal feed with short distances and the use of the finest components. The printed circuit boards are only populated with components with very narrow tolerances. Selected components relevant for the sound are even tested manually to achieve an even higher selection standard. This effort is necessary to realise the technically perfect measurement values which form the basis for the exceptional sound experience of this amplifier.

The MONO II is purely a mono output amplifier.

This guarantees the best values, e.g. with channel separation and signal to noise ratio as each channel has its own housing. Particular care was taken with the materials used in the MONO II to enable high performance with extremely low distortion. For example, the 1200 VA strong toroidal transformer made in Germany is manufactured from a special core, is encapsulated and additionally protected with Mu metal shielding. Eight enormous power supply capacitors manufactured in Germany to our specifications with a respective individual capacity of 10.000 µF supply 12 carefully selected MOSFET output transistors with perfect direct current. This means at full load the used components are hardly pushed to their performance limits and therefore with understatement ensure a carefree, agile acoustic pattern. In most application cases the MONO II works in so-called CLASS A mode. The MONO II is able to effortlessly play back a deep, powerful bass sound and at the same time reproduce fine details and is therefore quite rightly a product of our reference series.

Solid and proven technology – built to last

As with all ACCUSTIC ARTS® amplifiers, the driver stage of the MONO II works on the proven principle of the current mirror. This circuit principle enables power to be drawn from an existing current. The MONO II is therefore a "power-controlled" output amplifier whereby the large number of MOSFET transistors ensures a very high current capacity without having to stretch the transistors to their performance limit. The MONO II is therefore also suitable for impedance critical or low-ohm loudspeaker systems. Ingenious circuitry removes the need for a servo controller for the "offset" and the quiescent current is generated via the IC or current mirror driver. As a result, direct and alternating current errors (DC and music signal errors) are immediately corrected. This means the total offset is exclusively determined by the quality and symmetry of the used ICs.

Each MONO II has a generously dimensioned cooling surface which ensures a constant operating temperature of the MOSFET transistors. Even at full load there is never the danger of overload as the integrated control unit continually monitors the operating states of DC offset, temperature, clipping and high frequency. If a pre-defined value of one of these parameters is exceeded, the loudspeaker outputs are immediately switched off. This ensures the highest operational reliability for the output amplifier and the connected loudspeakers at all times.

The generous dimensions of the components and the use of proven technology means the MONO II will give its owner many years of listening pleasure. If, however, a problem should ever arise, the ACCUSTIC ARTS® service with its reputation for quality will be happy to assist you.

Our promise: Handmade in Germany

"Handmade in Germany" is part of the ACCUSTIC ARTS company philosophy and so naturally the MONO II is also exclusively made in our manufacturing facility in Lauffen am Neckar, Germany. The development, component insertion of PCBs and final assembly takes place in Germany and all housing parts and many individual components are sourced from long-term suppliers based in the south of Germany. Our specially trained and experienced technicians build this high-end audiophile amplifier from a large number of individual components.

Features

MONO II highlights (per piece)

Reference class mono power amplifier

12 selected MOS-FET output transistors of finest quality

Magnetically shielded and encapsulated toroidal core transformer of premium quality for highest output reserves

Maximum total transformer power: 1200 VA (watts)

Optimum smoothing thanks to more than 80,000 µF power supply capacity; Premium quality capacitors ("Made in Germany")

Very high damping factor for perfect speaker control

Professional protective circuit against clipping, HF oscillations and too high DC offset

Constant low operating temperature due to generously dimensioned heat sinks

Balanced input (XLR) and unbalanced input (RCA) – the inputs are switchable on the rear panel
All used parts and components are selected and of highest quality
Premium quality, gold-plated bi-wiring / bi-amping speaker terminals
Mains power switch on the front panel
Extremely stable and resonance optimised, massive aluminium housing; inlay made of massive, high gloss polished and chromed brass
Available in finish Silver (standard) and Satin Black (extra cost)
ACCUSTIC ARTS® MONO II is "Handmade in Germany"

Specifications

Voltage gain: 31.0 dB
Total transformer power: max. 1200 VA (watts)
Power supply capacity: more than 80,000 µF
Input impedance:
balanced (XLR): 2 x 20 k?
unbalanced (RCA): 100 k?

Rated power output:
max. 300 watts on 8 ?
max. 500 watts on 4 ?
max. 700 watts on 2 ?

Rise time/fall time: 3.0 µs with 4 ? load (square-wave 20 kHz, 12 Vpp)
Crosstalk: 111 dB with 1 kHz
Signal to noise ratio: -104 dBA (ref. 6.325 V)
Intermodulation distortion: 0.007 % with 10 watts on 4 ?
Distortion factor (THD+N): 0.0012 % on 4 ? load with 1 kHz and 10 watts

Dimensions (H x W x D): 350 x 240 x 430 mm

Weight: 25kg each

Review

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SUMMARY: *I" f audio gear is going to cave, this recording could certainly take them to that point. Lots of places to go sonically wrong here. No sweat for this Accustic Arts kit, though. Excellent dynamics; brass rendered as brass, and not as glass and razor blades. All's well with this recording via the Tube Preamp II Mk 2 and Mono II amps. Audio systems of the first rank will get this recording right, and make you wish that we were still making orchestral recordings so superbly these days. (We could, but it's gotten too expensive for most labels to consider. Pity!) Once again, the Accustic Arts Tube Hybrid Preamp II and Mono II Amps passed the test with flying colours. The Hungarian Rhapsody No. 2 growled, and the presentation of strings was very satisfying. At no point did the response of the AA gear tap out, bottom out, or sound congested".*

"Reliable. Stable. Excellent. Impressive to hear; gorgeous to look at. Summing up: Accustic Arts is producing dream machines for music lovers...with a hearty dose of Audio seductiveness, for sure. If you're in the market for a truly fine set of high-end audio electronics in this price range, then do yourself a favour: check out Accustic Arts".

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Link

<http://www.audioreference.co.nz/product/accustic-arts-reference-mono-ii-mk2-300w530w-monoblock-power-amplifiers-pr>