

AQVOX XT audiophile true balanced single ended class A solid state amplifier

Key features-

- World-class sound quality
- True Double Mono
- No Pre- and Power amp, one Amplification stage
- True Balanced from input to speakers
- True Single-Ended Advanced Class-A (2 x 130W-sin 8-Ohm)
- Intelligent closed-current control (BIAS)
- Ring-Emitter output transistors
- NO Overall-Feedback, only minimum Local Feedback
- NO capacitors in the output
- NO capacitors in the input
- NO inductors in the output
- Loss less Volume control
- Designed and assembled in Germany
- Design protected by patent



Advantages -

The AQVOX exclusive single-ended "Advanced-Class-A" amp-circuits with following advancements:

1- shortest signal-path because of only one single-ended amplification-stage

2- output transistors do not deviate from the operating point resulting in no zero-crossing therefore no crossover distortion

Specifications:

Topology : true balanced, true single-ended advanced Class-A

Output-transistors: 2 x 8 Sanken Ring-Emitters (Epitaxial Planar Structure), 14A, 150V, 60MHz Type

Inputs: 3 x RCA, 2 x XLR (continuously balanced)

Impedance: RCA (unbalanced) 47kOhm to Ground , XLR (balanced) 100kOhm differential

Gain: 27dB balanced, 33dB unbalanced

Input: no capacitors in input signal

Outputs: 1 x Record-out Speaker terminals: A, B, A+B

Output: no capacitors in output signal

Volume control:

Special lossless volume-control with single resistors which are not in the audio-signal path.

Balance control

Mute

Full-Metal remote control IR (volume, mute, input, dim)

Damping factor: 500 / 20Hz

Crosstalk: 10W--- 100Hz:110db, 1kHz:110db, 10kHz:110db

Frequency Response: 8Hz to 150kHz

Bandwidth: 10 Watt: 100kHz:-0.3db, 150kHz:-1db

Slew rate: 1,12 μ V (square 20kHz, 12Vss, 10% to 90%)

Power output: Sine 2 x 130W/8-Ohm, 2 x 160W/4-Ohm @230VAC

Speakers: minimum 4 Ohm

THD (Total Harmonic Distortion) + Noise

THD+1kHz @1W (2V In): 0,016%

THD+1kHz @ 10W (4V In): 0,006%

THD+100kHz @ 10W (4V In): 0,006%

THD+5kHz @ 10W (4V In): 0,013%

THD+1kHz half power (4V In): 0,017%

Noise

Noise at 4Vrms In / max. Power Out / VOL57: 105db-Flat, 108db weighted

Noise at VOL01, related to max. Power: 132db-Flat, 140db weighted

Power supply:

true double mono layout

discrete current-supplies

discrete voltage-stabilisation-supply

discrete logic-supply

- two custom-made magnetically shielded toroidal-core transformers for the load, floating mounted and decoupled

- two extra power supplies for the logic and the stabilization of voltage amplifiers

- double rectifiers for each channel for totally silent ground

- custom-made non inductive bipolar electrolytic-capacitors throughout with current-symmetric load-/discharge, 90.000 μ F

- audiophile Polystyrol-capacitors

-phono-input: -recommended: AQVOX Phono2Ci

-Digital-board: -recommended: AQVOX USB2DA

-Offset-correction among other for safety of the speakers

-Standby: no, only ON or OFF

-Power consumption: 130W (idle) - 800W (full load)

-Colour: Front panel silver or black, case only in black/anthracite

-Knobs: Full-metall silver or black

-Remote: Full-metal aluminium, infrared. Volume, input, mute, dim

- MainsVoltage: 110V - 250V

- Weight: 27kg

Dimensions: with 43cm (16.92 inch) high 12,5cm (4,92 inch) deep 45cm (17.71 inch)Designed and assembled in Germany from the finest parts sourced worldwide.

