

ACTION

A50T

50W Integrated Stereo Amplifier



USB & S/PDIF
inputs on board



SYNTHESIS is proud to introduce a new **ACTION** series.

Two models of stereo tube amplifiers with DAC's on board, guaranteeing exceptional sonic performance from any digital source. Made with the finest materials & advanced technology, this series is a sophisticated blend of research & experience. Designed without compromise for a rich sound & faithful music reproduction.

The **A50T** provides a minimum of 100 watts (50W per channel), power output from 4, KT88/6550's in Ultra-Linear (UL) - push/pull operation. The **A50T** like it's bigger brother also features a newly designed custom output transformer resulting in a rich sound stage but with an authority that belies its 50W.

FEATURES

- USB & S/PDIF input

For the first time we include an onboard 24Bit 192KHz Wolfson DAC for a extraordinary listening experience.

- DC Powered tube heater

All tubes, except KT88/6550, have DC stabilised heater circuits to reduce hum noise to a near in-audible minimum.

- Output transformer

The Output transformer uses a Hi-Grade Iron-Silicon for superb frequency reproduction & width. With this newly designed custom output transformer unique to the A50T we are able to achieving a highly delicate & precise sound reproduction faithful to the original recording.

- Mechanical chassis construction

The power supply & output transformers are held by an extremely rigid "H" structure that keeps the unit free from unwanted vibrations which further helps reduce unwanted noise to the tubes.

- Remote control

Featuring a superb CNC machined case it has a soft button design, perfectly matching the aesthetics for the "ACTION" series.

- Feet

Four CNC machined aluminium feet with an insert of natural rubber. The depth & form of these rubber feet has been calculated to minimise vibrations of the amplifier in isolation from its surroundings.

- Binding posts

Gold plated professional binding posts for a continued oxidisation free connection further improve sound refinement.

- Sockets

Gold plated ceramic sockets for a continued oxidisation free connection further improve sound refinement.

- Components

Components for the A50T have been selected with great care throughout. Only the best available components are considered & all must undergo an exhaustive analysis of their sonic influence prior to final selection.

- Selected tubes

All tubes used are selected after 2 stage warm up. A fully computer monitored machine controls the process & at the end of this, selects the perfect tubes which are then matched for a perfect balance.

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Technical specifications Digital stage

Compatible format:	PCM Stereo 32-192KHz
Input:	USB (PC-Mac), S/PDIF
Upsampling:	192KHz / 24Bit
D/A converter	Dual Mono 2 x Wolfson WM8740
Output stage:	NJM2114L Op-Amp
Analogue Output:	1V RMS
Signal/Noise ratio:	>90dB, A weighted

**USB & S/PDIF
inputs on board**

Technical specifications:

Power stage (1 ch.):	2 X KT88/6550
Driver (1 ch.):	12BH7
Input stage (1 ch.):	ECC83/12AX7
Frequency response:	20Hz to 20KHz - 0.5dB
Input impedance:	50Kohm
Input sensitivity:	200mV / 50W
Output impedance:	6 ohm
Power stage configuration:	Ultralinear 43% tap
Power output:	50W RMS into 6 ohm each channel AB1 Class
Signal/Noise ratio:	>90dB, A weighted

Controls:

<i>Front:</i>	Power switch, Soft button switch selector, volume knob IR receiver.
<i>Rear:</i>	RCA gold plated connectors, power connectors , power plug, USB input, Binding post.

Inputs:	CDP, DVD, RADIO, SAT, USB, DGT.
Outputs:	Pre Output (Volume controlled)

Finish:	Steel
Power consumption:	350W
Dimensions: (w,d,h)	420x450x260mm
Weight:	35.0 Kg

