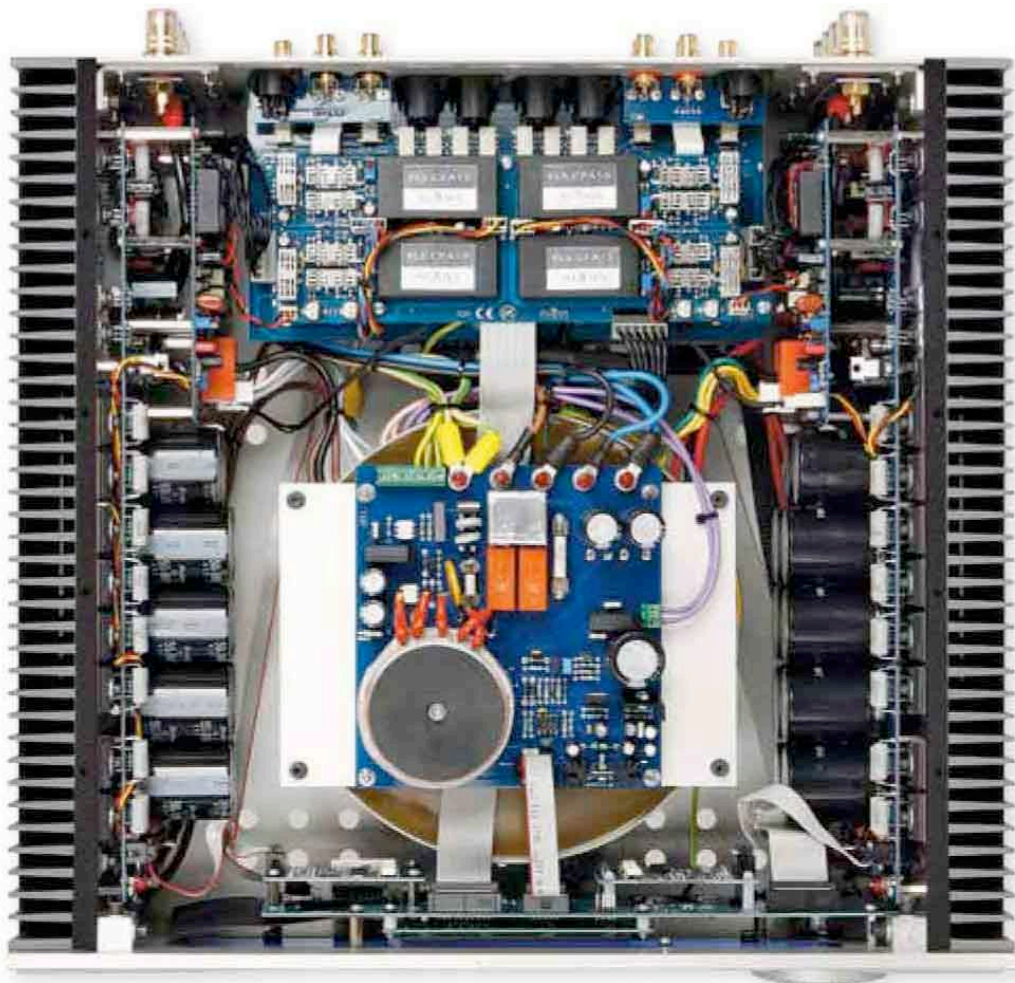


Extrait du banc d'essai de l'intégré FLS10 par Cliff Joseph, paru en janvier 2018 sur :

hi-finews

Audia Flight FLS10





HI-FI NEWS VERDICT

Le design du FLS10 n'évoque peut-être pas le style italien à première vue, mais sa souplesse musicale lui permet d'extraire à la fois le détail et la profondeur, soutenue par une puissance impressionnante quand c'est nécessaire.

Espérons que le bourdonnement émis est un phénomène unique à l'exemplaire testé car la qualité du résultat et les possibilités d'évolution et de mise à jour par cartes modulaires optionnelles sont d'importants facteurs d'acquisition.

Sound Quality: 83%



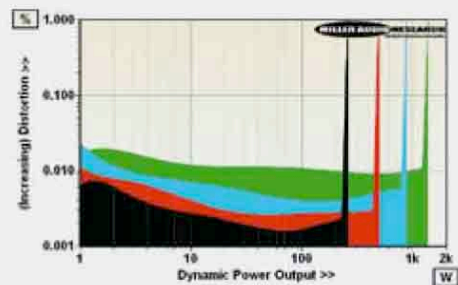
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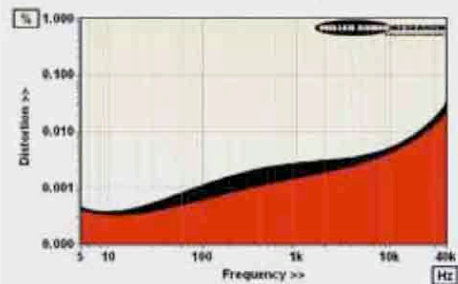
AUDIA FLIGHT FLS10

Based on its FLS4 power amplifier, the FLS10's fully balanced (bridged) output stage is floating and should never be connected to a grounded 'black' speaker terminal (Quad and some older Tannoy models spring to mind). The amplifier is not wholly 'Class A' but it is fairly power hungry, drawing 170W from the wall at idle, and, if left 'cooking' for a few hours the top plate reaches about 38°C and the black heatsinks 45°C. It is, however, a very lusty performer, mocking its 200W/8ohm rating by delivering 2x245W and 2x440W into 8/4ohm respectively with sufficient capacity in that huge PSU to offer 265W, 500W, 885W and 1385W (37.2A) into 8, 4, 2 and 1ohm under dynamic conditions [see Graph 1, below]. Distortion is low too, although *lower* at moderate 10-100W outputs (<0.001%) than at 1W/8ohm (0.0045%), and lower too at the lowest bass frequencies from 0.009%/20kHz to 0.003%/1kHz and 0.0004% at 20Hz (all at 10W/8ohm). The right channel also had some marginal advantage in our sample [see Graph 2, below].

Other advantages of Audia Flight's circuit topology [see boxout, p61] are realised in the usefully low 0.007ohm output impedance (20Hz-10kHz) and very extended response that stretches from 1Hz-100kHz with a mere -0.5dB roll-off. DC offsets are very low while the digitally-governed volume control offers a fine 0.03dB channel balance and the dual-mono construction leads to a >75dB channel separation up to 20kHz. However switching (rectification) pulses from that huge PSU – in close proximity to the audio stages – probably contribute to the moderate -60dBV hum and below-average 73dB A-wtd S/N ratio (re. 0dBV). Otherwise the FLS10 is a doozy! PM



ABOVE: Dynamic power output versus distortion into 8ohm (black trace), 4ohm (red), 2ohm (blue) and 1ohm (green) speaker loads. Max. current is 24.1A



ABOVE: Distortion versus extended frequency at 10W/8ohm, 5Hz-40kHz (left, black; right, red)

HI-FI NEWS SPECIFICATIONS

Power output (<1% THD, 8/4ohm)	245W / 440W
Dynamic power (<1% THD, 8/4/2/1ohm)	265W / 500W / 885W / 1385W
Output impedance (20Hz-20kHz)	0.007-0.023ohm
Freq. resp. (20Hz-20kHz/100kHz)	+0.0dB to -0.035dB/-0.5dB
Input sensitivity (for 0dBV/200W)	14mV / 200mV (balanced)
A-wtd S/N ratio (re. 0dBV/200W)	73.3dB / 96.3dB
Distortion (20Hz-20kHz, 10W/8ohm)	0.0003-0.009%
Power consumption (Idle/Rated o/p)	172W / 699W (2W standby)
Dimensions (WHD) / Weight	450x177x440mm / 36kg