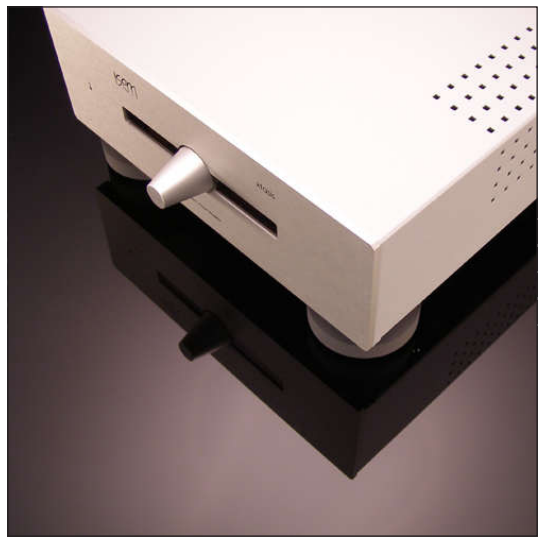
xtasis

integrated / power amplifier

2 x 60 W, 2 x 15 W Class A / 8 Ohms
DC to 150 KHz bandwidth
Dynamic Configuration Checking (DyCC)
Input sensitivity selectable (330 & 800 mV)
4 line & tape inputs with monitoring



This amplifier is a unique example of ISEM 'know how'. A direct descendant of our famous Antares model, it uses the most advanced technology to achieve a very original concept. In the interests of obtaining an uninterrupted signal path, ISEM has rejected the conventional arrangement of separate pre- and power amplifier stages in one box. Instead, the xtasis model achieves full amplification in a single ultra linear stage which offers sufficient gain over a wide spectrum from any line-level input signal. Moreover, since the gain can be adjusted without affecting the stability of the unit, xtasis can be used either as an integrated amplifier or, in conjunction with a separate preamp, as a power amplifier, without any loss of performance. To deliver this unique concept, the xtasis is equipped with 'Dynamic Configuration Checking' (DyCC) which allows the listener to switch at will between 'integrated' and 'power' amplifier modes for different signal sources. Class A operation giving up to 15 watts rms into 8 ohms. A generously rated power supply ensures high performance levels. All functions are controlled through the unique ISEM 'One Touch Control' button, or via remote control. xtasis is the ultimate choice when not only very high grade but also compact equipment is needed.

Closer to
a natural sound

ISEM
a u d i o

Pour une restitution
naturelle du son

A unique concept

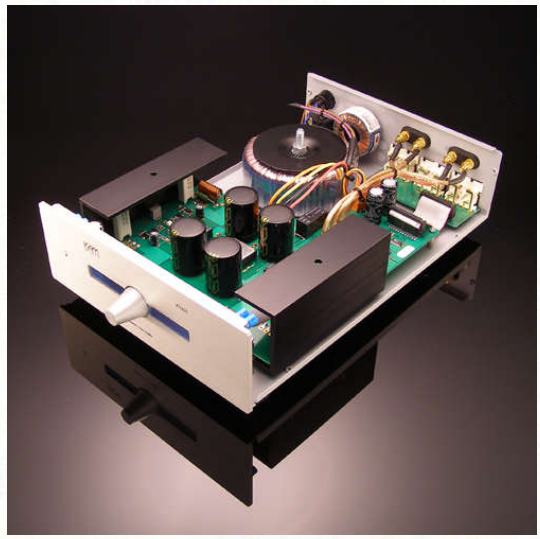
At the centre of a symmetrical display panel, the OTC button allows the full control of the xtasis. Beyond the 4 mm thick front panel, a micro-controller monitors all the operational functions.

Energy storage for output stages is provided by four high grade 10.000 µF capacitors.

Output stages use extremely fast and high current bi-polar transistors. These devices are directly mounted on the main board, close to the storage capacitors.

Source selection and volume level are digitally controlled by high accurate devices. To enable the shortest input signal path, they are mounted close to the input inlets.

Independently of its compact size, the rear panel offers a large number of connections. The xtasis can be associated to various equipments.



The structure of amplification stages is unique. Exceptional linearity, low distortion and low noise floor enable the xtasis to operate with a low feedback. Thanks to unique layout and a clever use of SMD technology, electrical and sonic performances of the xtasis are quietly better than most of conventional electronics.

All the components are professional grade and printed circuit boards are gold platted. Their placement is also a critical parameter in the performances of the xtasis.

A custom made transformer with multiple secondary windings provides the different power supplies to each section.

Finally, the timeless ergonomic design is highlighted with a sumptuous finishing.

Technical features

Output power :	60 W rms 90 W rms	@ 1000 Hz, both channels, continuous into 8 ohms @ 1000 Hz, both channels, continuous into 4 ohms	
Input sensivity :	330 mV 800 mV	@ 1000 Hz, high sensivity, for rated power into 8 ohms @ 1000 Hz, low sensivity, for rated power into 8 ohms	
Line input impedance :	47 kohms	@ 1000 Hz	
Signal to noise ratio :	> 95 dB	Unweighted, rated power into 8 ohms, high sensivity (330 mV)	
Distorsions :	< 0,05 % < 0,05 %	Harmonic distorsion, rated power into 8 ohms, 20 Hz à 20 KHz Intermodulation distorsion, rated power into 8 ohms, 20 Hz à 20 KHz	
Frequency response :	0 Hz - 150 kHz	Rated power into 8 ohms, 0.5 dB attenuation	
Rise time :	1,1 µs	@ 10 KHz, rated power into 8 ohms	
Feedback :	27 dB	20 Hz - 20 kHz	
Damping factor :	> 400	@ 1000 Hz, rated power into 8 ohms	
Stereo input / output :	(4) Cinch/RCA line input (1) Cinch/RCA "tape" line input (power amp input) (1) Cinch/RCA "recorder" output (1) speaker output		
Power requirements :	(1) IEC - standard AC mains socket - factory set for destination country only		
Power consumption :	9 VA / 21 VA	Standby mode / operating mode	
Dimensions :	240 x 100 x 400 mm	W x H x D	(9,45 x 4,00 x 15,80")
Weight :	6,0 kg		(14 lb)
Functions :	Error detection Sensitivity setting Power amp configuration Monitoring	Speaker protection circuit 330 mV, 800 mV	
Options :	universalis remote control handset Equipod decoupling set		

ISEM audio - 170 avenue Jean-Jaurès / F-90000 BELFORT / France - Tél. +33 (0)3 84 21 47 66 - Fax +33 (0)3 84 28 84 66 - www.isem-audio.com - email : contact@isem-audio.com