

WATERFALL AUDIO

SOUND DESIGNERS

MADE IN FRANCE



DATA SHEET SUBWOOFER AMPLIFIER S500EX

KEYS POINTS

- Integration amplifier (furniture or rack)
- Mono architecture 1 x 500w (digital) / 4 Ohms
- Exclusive technologies:
 - X-GUARD™: Real-time HP excursion control processing (SUB mode)
 - Maximum performance & total safety Amplifier/SUB
- Short circuit protection
- Overheating protection
- XLR/RCA analog inputs
- Bass management for use in Hifi or Home cinema

APPLICATIONS AUDIO

- High-end residential cinema room
- Applications with integration into furniture (low heating)

TECHNICAL DATA

POWER OUTPUT STAGE	ICE POWER (R) D-CLASS
AMPLIFIER MODULE POWER	1 x 500W RMS / 4ohms / 80s / LFE mode
IMPEDANCE	load 4-16 ohms (3 ohms mini)
MAX. PEAK CURRENT (STAGE THRESHOLD)	20A
DAMPING FACTOR	above 1000
SIGNAL / NOISE RATIO	96dB (A)
HARMONIC DISTORSION	below 0.1%
SUBSONIC CROSSOVER	None / X-Guard technology (Active excursion control)
LATENCY	0 ms - full analog circuits
LOW PASS CROSSOVER	adjustable from 36 Hz (-3dB) to 178 Hz (-3dB)
FILTERING SLOPE	adjustable Butterworth 12dB or 24dB- switchable to LFE
PHASE CONTROL	0-180°
LOW LEVEL INPUT	2 x RCA + 1 x XLR
SUBWOOFER OUTPUT	2 x 4mm banana plugs
SHORT CIRCUIT PROTECTION	Yes
OVERHEAT PROTECTION	Yes
DC PROTECTION	Yes
SOFT START DELAY	Yes - 2 sec.
SUPPLY VOLTAGE	115 V / 230 V (internal jump) 50 Hz
POWER CONSUMPTION	700 W max - 9,5W idle
DIMENSIONS	220*190*55 (mm) 8.66*7.48*2.16 (inch)
WEIGHT	0.9 kg / 2 lbs
SUPPLIED ACCESSORIE	Main power cable

WATERFALL AUDIO

ZA les praderies - 83 570 Carcès - France
waterfallaudio.com

Made in France. 5 years warranty on speakers, 2 years warranty on amplifiers (parts & service).
We operate a policy of continuous improvement and reserve the right to amend designs and specifications without prior notice.

 All drivers and amplifiers are developed and manufactured by ATOHM (France).