



Technical specifications HS 500



Home Audio Subwoofer Amplifiers

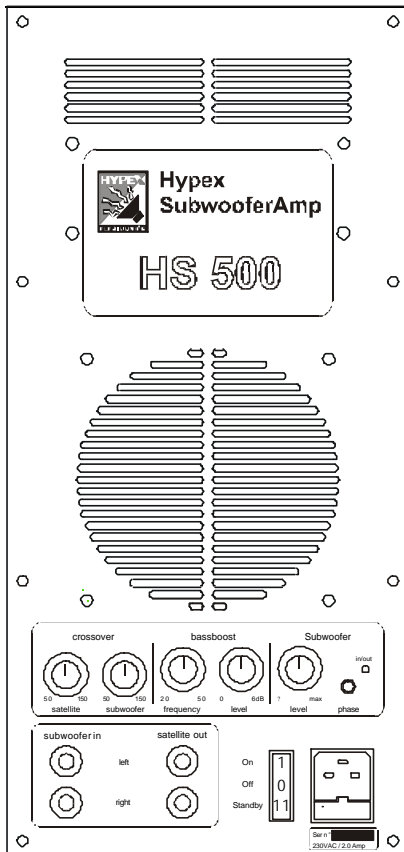
- * Amplifier for Active Subwoofers
- * Active filter for Satellite
- * Output power 750 Watts at 4 ohms
- * Linkwitz-Riley filter 4^e Orde
- * Subsonicfilter 24Hz-12dB/Oktaaf
- * Automatic switches on at musikinput

The HS 500 is an amplifier module for active Subwoofer.

Accurate playback of the low bass area is a substantial constituent of a high-quality music reproduction. For an impressive bass playback large loudspeakers are unfortunately inevitable. If you prefer small loudspeakers for optical reasons, you can use these as satellite loudspeakers system and make it complete with a active subwoofer system.

The satellites transfer thereby the mid and high output while the active subwoofer transfers the bass area. With active Linkwitz-Riley filters 4^e order the amplitude frequency responses are added in such a way by the satellites and subwoofer combination that you will have a totally flat frequency response.

The crossover frequency is adjustable thereby infinitely variable between 50Hz and 150Hz. Due to this large range of control a problem-free link is possible to different satellites and other loudspeaker systems. Additionally this active system has a low bass rise. The center frequency is in each case adjustable between 20Hz and 50Hz, the level of the rise between 0dB and +6dB infinitely variable. An active subsonic filters with Butterworth Charakteristik 2^e order protects thereby the loudspeakers against mechanical overloading, since the ultrasonical proportion of the fed signal would cause extreme diaphragm deflections. By the discharge of the Subwoofers of the ultrasonic the bass area is shown undistorted and more clearly.



Crossover

Satellite	Crossover adjustable between	50Hz - 150Hz
Subwoofer	Crossover adjustable between	50Hz - 150Hz

Bassboost

Frequency	Midfrequency adjustable between	20Hz - 50Hz
Level	Boostlevel adjustable between	0dB - 6dB

Subwoofer

Level	Outputlevel amplifier	
Phase	Switchable between	0° - 180°
	Switch up	output in fase
	Switch down	output out fase

Input

Subw. in	Stereo input subwoofer, left and right summed.
Satellite out	Stereo output to the satellite, filtered by the satellite crossover.

Mode

On	The HS 500 Module is switch on LED is green
Off	The HS 500 Module is switch off LED is yellow
Standby	The HS 500 Module is swicht on by the musiksignal

Technical specifications

Output power at 8 Ohm	: 490 Watt
Output power at 4 Ohm	: 760 Watt
Subsonic-Filter	: 24Hz / -3dB, 12dB / Oktave
Crossover subwoofer	: 50Hz - 150Hz
Crossover satellite	: 50Hz - 150 Hz
Bassboost: Frequency	: 20Hz - 50Hz
Bassboost: Level	: 0 / +6dB
Damping Factor	: 1000 at 100Hz and 8 Ohm
Protection	: Short, mismatch, and open circuit proof. Thermal switch on power section disconnect load in event of inadequate ventilation or prolonged output short. Automatic reset on cool down. Delayed turn on with soft start, low switch on current aprx. 3,5A DC-protection.
Filter	: Linkwitz-Riley 24dB / Oktave
Inputimpedance	: Line-input 10 kOhm
Size frontplate	: 175 x 370 mm.
Depth amplifier	: 100 mm.



Hypex Electronics
 Ulgersmaweg 137-D
 9731 BR Groningen
 The Netherlands
 Te: +31-(0)50-5264993
 Fax: +31-(0)50-5254591
 E-mail: info@hypex.nl

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