

HTS3B and HTS4B

Data Sheet

Genelec HTS3B and HTS4B Home Theater Subwoofers

GENELEC®



Genelec's new generation of dedicated active Home Theater subwoofers deliver tight, powerful bass down to 18 Hz. The new HTS3B and HTS4B subwoofers are designed to complement Genelec's high-performance HT series loudspeakers in state-of-the-art Home Theater installations.

Both new subwoofers share the same design layout with one magnetically shielded active speaker driver on the front side of a compact cabinet and two passive radiators, one on each side of the cabinet. The HTS3B is equipped with a 10" long-stroke driver with passive radiators of the same size and the HTS4B with 12" driver and passive radiators. Both HTS3B and

HTS4B are equipped with modern high-efficiency amplifiers rated at 200 and 400 Watts respectively. The amplifier unit is integrated in the subwoofer cabinet. XLR and RCA line level input connectors and adjustable input sensitivity provide easy connection to all types of decoders. Bass roll-off rate and crossover phase can be adjusted to suit different acoustical environments and subwoofer positioning. A Link Out connector allows coupling two or more subwoofers together when high sound pressure levels are required.

The frequency response of both HTS3B and HTS4B ranges from 18 Hz to 120 Hz. The HTS4B is designed for larger rooms and higher SPL applications with

its maximum SPL of 118 dB, but also the HTS3B packs a respectable punch of 114 dB maximum SPL. Coupling multiple subwoofers together using the Link Out channel gives an added 6 dB for a system of two, 9,5 dB for three and 12 dB for four subwoofers.

Finding the correct place for the subwoofer is easy due to the compact size and versatile acoustical adjustments of both models. Installing the HTS3B and HTS4B out of sight in a cabinet is no problem either, thanks to the compact dimensions of both models. See Genelec's Home Theater website www.genelec-ht.com for more information of Genelec's Home Theater speaker line.

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SYSTEM SPECIFICATIONS

	HTS3B	HTS4B
Free field frequency response (+/- 3 dB)	18 Hz...120 Hz	18 Hz...120 Hz
Maximum short term sine wave SPL output averaged from 30 to 85 Hz, measured in half space at 1 meter	≥ 108 dB SPL	≥ 112 dB SPL
Maximum peak SPL output with random pink noise, measured in half space at 1 meter	≥ 113 dB SPL	≥ 117 dB SPL
Self generated noise level in free field @ 1 m on axis (A-weighted)	≤ 15 dB	≤ 15 dB
Harmonic distortion at @ 1 m on axis in half space 2nd 3rd	@ 95 dB SPL 30 ... 120 Hz ≤ 2 % ≤ 2 %	@ 95 dB SPL 30 ... 120 Hz ≤ 2 % ≤ 2 %
Driver, magnetically shielded Passive radiators	250 mm (10") 2 x 250 mm (10")	305 mm (12") 2 x 305 mm (12")
Weight	30 kg (66 lbs)	37 kg (81 lbs)
Dimensions Height Width (including grilles) Depth	433 mm (17 1/16") 398 mm (15 5/8") 400 mm (15 3/4")	518 mm (20 3/8") 483 mm (19") 465 mm (18 5/16")

If the subwoofer is flush mounted into a wall or a cabinet, the recess must be 10 cm (4") wider, higher and deeper than the subwoofer itself to allow sufficient clearance for the passive radiators and air circulation for cooling.

AMPLIFIER SECTION

	HTS3B	HTS4B
Short term amplifier output power (Long term output power is limited by driver unit protection circuitry)	200 W	400 W
Amplifier system distortion at nominal output THD	≤ 0.05%	≤ 0.05%
Mains voltage	100/200 V or 115/230 V	100/200 V or 115/230 V

INPUT SECTION

	HTS3B	HTS4B
Input connector XLR female pin 1 pin 2 pin 3	1, balanced gnd + -	1, balanced gnd + -
Input connector RCA female pin 1 pin 2	1, unbalanced gnd +	1, unbalanced gnd +
Input impedance	10 kOhm balanced (XLR), unbalanced (RCA)	
Input level for 100 dB SPL output @ 1 m	Variable from +12 to -6 dBu	
Remote control inputs	External 12 V DC / Relay or switch	

OUTPUT SECTION

	HTS3B	HTS4B
Link Out connector XLR male pin 1 pin 2 pin 3	gnd + -	gnd + -
Link Out gain	0 dB	0 dB

CONTROLS

	HTS3B	HTS4B
Input sensitivity	+12 to -6 dBu	
Bass roll-off	0 / -2 dB / -4 dB / -6 dB / -8 dB / -10 dB @ 20 Hz	
Phase adjustment	0° / -90° / -180° / -270°	
Autostart	Signal sensing Standby/On switching	
Remote control	Remote controlled Standby/On switching by 12 V trigger or external switch	

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