

QUESTED SB10R

Reference Subwoofer System



QUESTED



Designed as a partner for any of the full-range monitors in the S-Series, the SB10R will extend system frequency response down to 20 Hz and increase the system's maximum SPL.

The filter bypass on the left channel optimises the SB10R's performance when it is used as a dedicated LFE monitor in a multi-channel system. With a 2-in 2-out format of bass management, a single SB10R can reinforce a stereo pair of full range cabinets.

A long throw 10" cast chassis driver is mounted in a tuned cabinet constructed of 26 mm MDF. Tradition is broken in that the matched 215W RMS amplifier and 2-channel SB10R controller are housed in a separate, single 1U rack space unit.

Due to this Remote Power, the electronics do not suffer the adverse effects caused by LF vibrations created by the drive unit. Also, calibration and operation of the SB10R controller are much easier to achieve quickly and in comfort with the unit sited close to hand.

SB10R Controller

Size	1U case 270 mm deep
Weight	5.5 kgs
Input Connector	2 off XLR and 1/4 inch jack combo socket
Impedance	10k electronically balanced
Wiring	Pin 1 (Sleeve) ground, Pin 2 (Tip) hot, Pin 3 (Ring) cold
Gain	-14 dBu to +6 dBu
Left/Right Monitor Outs	- 2 off type male left & right monitor outputs
Impedance	<100 ohm electronically balanced
Sub Bass output	1 pair binding posts
Filters	Left & right input summed to sub output
Subsonic/High pass	-3dB @ 14 Hz, 24dB/oct or -3dB @ 28 Hz, 24dB/oct (set by internal jumper)
Low Pass	-3dB @ 40 Hz to 135 Hz, externally adjustable @ 24dB/oct or full range on CH A
Ultra Sonic Filter	-1dB @ 100k
High Pass	-3dB @ 40 Hz to 135 Hz, externally adjustable @ 24dB/oct or full range on CH A

Power Amplifier T.H.D.	> 210W rms continuous < 0.03% at levels up to 1dB below clip, 20 Hz - 120 Hz typ 0.005% @ 20W rms 100 Hz
Hum + Noise	< -100 dB referred to clip
Controls:	
Crossover Freq	40 - 135 Hz, front panel pot, Test (Band limited pink noise), front panel recessed switch (LED indicates when on) Sub bass bypass, front panel switch (LED indicates when bypassed)
Sub Gain	-14 to +6, front panel pot (level indicated with LED Meter)
Sub Phase	Front panel pot, 0-180 degrees
Sub Polarity	Front panel recessed switch (LED indication for positive and negative polarity)
Power	Front panel switch
Left channel	Sub filter bypass, rear mounted recessed switch
Subsonic filter	14 or 28 Hz, internal jumpers
Power requirements:	
Voltage	Set by internal plug: nominal 115V or 230V @ 50-60Hz AC
230V setting:	Min 160V (restricted output power): Max 255V
115V setting:	Min 80V (restricted output power): Max 127V
Consumption	Quiescent: 30W. Typical use: 50W. Max: 200W.
Note	0 dBu = 775 mV into open circuit.

SB10R Subwoofer

Size (WxHxD)	617(w) x 333(h) x 290(d) mm
Weight	19.8 kgs
Driver	Bass cone 1 x 250 mm (10")
Maximum SPL	110 dB (c) continuous pink noise @ 1m (127 dB (c) per pair RMS music)
Sensitivity	Dependent on controller settings
Frequency Response	Set by controller
Input Connector	1 pair gold plated binding posts
Impedance	3.3 Ohm



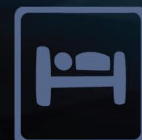
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