



SB10R

The SB10R is a powered 10" sub-bass.

designed to complement all of the full-range monitors in the S-Series. The SB10R will extend the 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 the 2-in 2-out 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 ash veneered 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 the LF vibrations that are created by the drive unit. Calibration and operation of the SB10R controller are easily achieved in comfort with the unit sited close to hand.

Specifications 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
Output	
Left and right monitor outputs	2 off XLR3 type male left & right
Impedance	<100 ohm electronically balanced Wiring Pin 1 ground, Pin 2 hot, Pin 3 cold
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
Left right input to left & right output	
Ultra sonic	-1dB @ 100k
High pass	-3dB @ 40 Hz to 135 Hz, externally adjustable @ 24db /oct or full range on CH A

Power amplifier

	> 210W rms continuous
T.H.D.	< 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 Frequency 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 (Sub level indicated with LED Meter)
 Sub Phase, front panel pot
 Sub Polarity, front panel recessed switch (LED indication for positive and negative polarity)
 Lower, 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. 30V setting: Min 160V (restricted output power): Max 255V. 15V setting: Min 80V (restricted output power): Max 127V

Consumption Quiscent: 30W.
Typical use: 50W. Max: 200W.

Note 0 dBu = 775 mV into open circuit

Specifications SB10R

Size (WxHxD)	617(w) x 333(h) x 290(d) mm
Weight	19.8 kgs
Drivers	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

