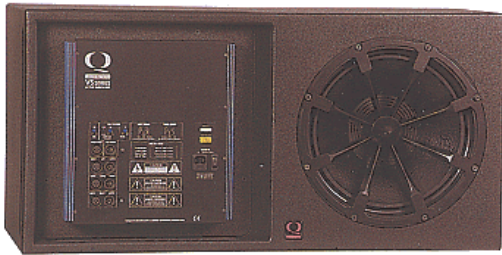


Designed to complement the VS2108, VS3208, VH3208 and Q210, the VS1115b.



VS1115b

An active sub-woofer that extends the low frequency response of the monitoring system. The VS1115b offers 4 inputs/summing and 4 output sections that extract the low bass for the LCR channels, with the summing facility allowing the use of a single mono, or two stereo subs, if preferred. The 4th effects channel input has its own trim controls covering a different frequency selection and slope that is compatible with 5.1 requirements. There is also a balanced summed line level output for paralleling multiple sub-woofers and controls are provided for polarity reversal and phase adjustment.

The built-in amplifier provides over 400W continuous RMS power to the custom designed, external, radial chassis 380mm (15") unit. The amp can be rotated on its sub-baffle, allowing the cabinet to be mounted in either portrait or landscape format.

Applications include broadcast, mobile, editing, post production, project/home studios, nearfield monitoring and main monitoring in mid-sized rooms.

Input		Specifications	
Connector	4 off XLR Female: Left, Centre, Right, Effects	Size (WxHxD)	970(w) x 485(h) x 550(d) mm
Impedance	10 kohm. Electronically balanced RFI filtered	Weight	62 kgs
Wiring	Pin 1 ground Sleeve; Pin 2 hot Tip; Pin 3 cold Ring	Drivers	Bass cone - 1 x 380 mm (15")
Output		Maximum SPL	LCR 110dB(C) Effects 115 dB(C)
Connector	4 off XLR Male: Sub, Left, Centre, Right		
Impedance	> 100 ohm electronically balanced		
Wiring	Pin 1 ground Sleeve; Pin 2 hot Tip; Pin 3 cold Ring		
Full Range Channels			
L, C, R input to output	High Pass: 38Hz at 12dB/oct. Passband gain: 0dB		
Sub Woofer Channel			
Signal Path	All inputs are passband filtered and summed to Sub output and Sub amplifier.		
L,C,R input to Sub	High pass: 15Hz at 18dB.oct. Low pass: 38Hz at 12dB.oct.		
Effects input to Sub	High pass: 15Hz at 18dB.oct. Low pass: 100Hz at 12dB.oct. Effects level trim: +/- 10dB		
Sensitivity switch	+4dBu for nominal level: clip > +16dBu input at 22 Hz or 10dBu for nominal level: clip > +2dBu input at 22 Hz		
Level Trim	Rear rotary preset +/- 10dB		
Signal Polarity	Rear switch to invert sub channel polarity		
Phase Correction	Rear rotary preset to adjust 10-170 degrees at 38 Hz		
Power amplifier			
Sub output power	>400W rms into 8 ohm continuous.*		
T.H.D.	<0.03% at levels up to 1dB below clip, 10Hz - 100Hz typ. 0.005% at 20W rms 20Hz.		
Hum + Noise	>-105dB referred to clip		
Indication			
Power on	Front mounted green LED indicates power applied		
Overload	Front mounted LED (red) indicates 0.5dB below signal clip.		
Thermal protection	Front mounted LED turns red, signal is muted and amplifier switches to standby mode during thermal protection cooling cycle. Normal operation resumes when heatsink temperature drops by 20°C.		
Power requirements			
Voltage	Set by internal plug: nominal 115V or 230V at 50 - 60Hz AC. 30V setting: Min 160V (restricted output power): Max 263V 15V setting: Min 80V (restricted output power): Max 132V		
Consumption	Quiscent: 45W. Typical use: 150W. Max: 580W.		
Note	0 dBu = 775 mV into open circuit		

Note 1: The continuous rating is for a period not exceeding 5 minutes with unrestricted airflow (100 mm clearance) around the amplifier heatsinks and an ambient temperature not exceeding 30°C.

