

## Appendix A: Target Performance Specifications

Performance	CSM 14	CSM 28
<b>Number of Input Channels</b>	4	8
<b>Number of Output Channels</b>	1	2
<b>Line Output level</b>	5.0V <sub>rms</sub> into 10kΩ	
<b>Input Sensitivity</b> to obtain 5V <sub>rms</sub> to line out	Mic Input: 3mV <sub>rms</sub> Line Input: 775 mV <sub>rms</sub> RCA Input: 300mV <sub>rms</sub>	
<b>Frequency Response</b>	20Hz - 20kHz, +/-1dB	
<b>Total Harmonic Distortion (THD)</b> (measured with 5V <sub>rms</sub> at output)	0.05% typical	
<b>Signal-to-Noise Ratio</b> (Ref. 5V <sub>rms</sub> from Output, mixer levels at min, master volume at max, A-weighted)	>90dB	
<b>Input Impedance</b> (nominal)	Mic: 400 Ω Line: 20KΩ (Balance) RCA: 50KΩ	
<b>Phantom Power</b>	+27VDC	
<b>Crosstalk</b> (Ref. 5V <sub>rms</sub> from Output, Volume at mid position, A-weighted, 1kHz)	>70 dB	
<b>Tone Controls</b> (Bass and Treble non-detented potentiometers on each channel)	Bass +/-10dB @ 100Hz Treble +/-10dB @10KHz	
<b>Nominal AC Line Voltages</b>	100-240V, 50/60 Hz	
<b>Operating Temperature/Humidity</b>	0°C to 40°C @ 95% R.H. (non-condensing)	
<b>Storage Temperature</b>	-20°C to 85°C	
<b>Dimensions &amp; Weight</b>		
<b>Net Weight (preliminary estimate)</b>	4.3 lb (2.0 kg)	7.5 lb (3.4 kg)
<b>Dimensions</b>	Width: 8.6 in. (218.5 mm) Depth: 11.9 in. (303.4 mm) Height: 1.7 in. (43.3 mm)	Width: 17.2 in. (437 mm) Depth: 11.9 in. (303.4 mm) Height: 1.7 in. (43.3 mm)
<b>Shipping Weight</b>	6.9 lb (3.1 kg)	10.8 lb (4.9 kg)

Note: For AC power draw and thermal dissipation information, please visit our website. [www.jblcommercialproducts.com](http://www.jblcommercialproducts.com)