



JBL Commercial Series

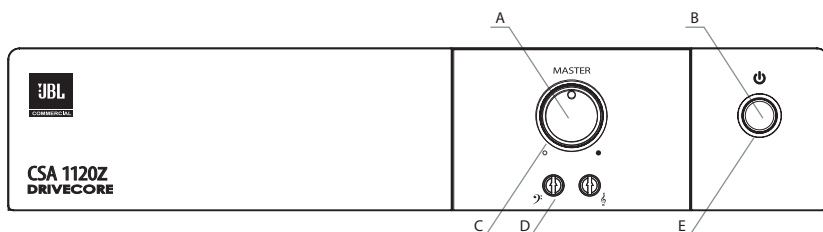
CSA 140Z
CSA 180Z
CSA 1120Z
CSA 240Z
CSA 280Z
CSA 2120Z

Commercial Series Amplifier Operation Manual



1.2 Front Panel Controls and Indicators

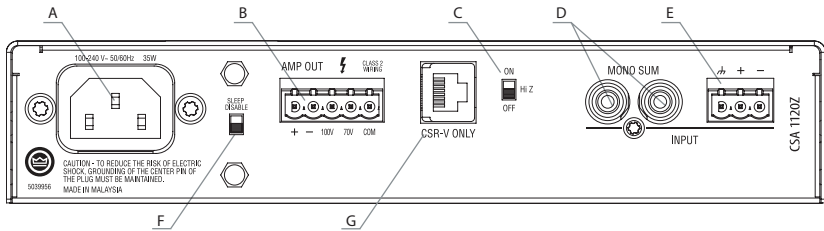
Figure 1.2 Front View of Single Channel Model



- A. Output Volume Control
- B. Power Switch
- C. Illuminated ring around the output volume control will light green with signal presence while red indicates clipping, i.e. the signal has reached the threshold of audible distortion.
- D. Tone Controls - Bass B and Treble T potentiometers on each output channel
- E. Illuminated ring around the power switch. Green indicates that the unit is connected to the AC mains and is in standby or sleep mode. Blue indicates that the unit is on and in normal operating mode.

1.3 Rear Panel Controls and Connectors

Figure 1.3 Rear View - CSA 1120Z



- A. AC Power Inlet – Detachable IEC
- B. Amplifier Output Connector
- C. Hi-Z Switch – Enables the 70V and 100V outputs and activates the 70Hz high pass filter
- D. Dual RCA Input Connector – Stereo, unbalanced sources will be summed together (Ch2-4)
- E. Audio Input Connector – 3 pin Euro-block connector, balanced input (Ch2-4)
- F. Sleep Disable Switch – Disables the Sleep mode if you don't want the unit go into sleep mode after 2 hours with no input signal.
- G. Remote volume connector – RJ-45 style connector to connect to JBL CSR-V control module

Appendix A: Target Performance Specifications

Performance	CSA 140Z	CSA 180Z	CSA 1120Z	CSA 240Z	CSA 280Z	CSA 2120Z
Rated Power into 4 Ω or 8 Ω; 1kHz, ≤ 0.5% THD	40W	80W	120W	40W	80W	120W
Number of Output Channels	1	1	1	2	2	2
Insertion Loss (70V & 100V outputs)	1 dB maximum					
Input Sensitivity (8 Ω Load)	1.4V _{RMS}					
Frequency Response (8Ω, 20Hz - 20kHz)	+/- 0.5dB					
Total Harmonic Distortion (THD) (@ Full rated power, 20Hz-20kHz)	<0.5%					
Signal-to-Noise Ratio (Ref. rated output, 22KHz BW, A-weighted)	>100dB					
Input Impedance (nominal)	Euro Block: 20 kΩ (balanced) RCA: 50 kΩ					
Maximum Input Level	+22dBu (Normal)					
Crosstalk (Ref. rated power, A-weighted, 1kHz)	>70 dB					
Tone Controls (Bass and Treble non-detented potentiometers on each channel)	Bass +/-10dB @100Hz Treble +/-10dB @10kHz					
Nominal AC Line Voltages	100-240V, 50/60 Hz					
Minimum Load Impedance Low-Z Output 70V Output 100V Output	4 Ω 120 Ω 240 Ω	4 Ω 60 Ω 120 Ω	4 Ω 40 Ω 80 Ω	4 Ω 120 Ω 240 Ω	4 Ω 60 Ω 120 Ω	4 Ω 40 Ω 80 Ω
Operating Temperature/Humidity	0°C to 35°C @ 95% R.H. (non-condensing)					
Storage Temperature	-20°C to 85°C					
Dimensions & Weight						
Net Weight (preliminary estimate)	6.3 lb (2.8 kg)	6.9 lb (3.1 kg)	6.9 lb (3.1 kg)	7.5 lb (3.4 kg)	8.8lb (4.0 kg)	8.8 lb (4.0 kg)
Dimensions	Width: 8.6 in. (218.5 mm) Depth: 11.9 in. (303.4 mm) Height: 1.7 in. (43.3 mm)					
Shipping Weight	9.3 lb (4.2 kg)	9.9 lb (4.5 kg)	9.9 lb (4.5 kg)	10.5 lb (4.8 kg)	11.8 lb (5.3 kg)	11.8 lb (5.3 kg)

Note: For AC power draw and thermal dissipation information, please visit our website. www.jblcommercialproducts.com

ZEUS AV

JBL

COMMERCIAL
by HARMAN

JBL Commercial
8760 South Sandy Pkwy.
Sandy, UT 84070 USA
(801) 566-8800

Part Number:5040963 Issue: 01/14