



JBL Commercial Series

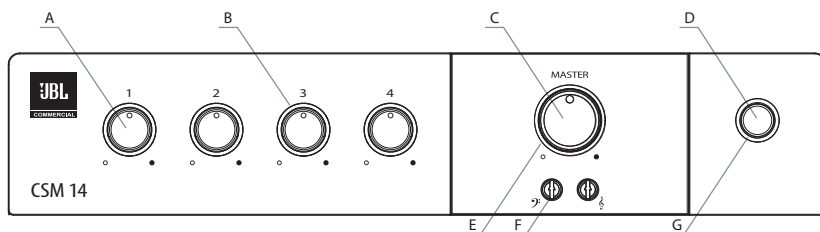
CSM 14
CSM 28

Commercial Series Mixer **Operation Manual**



1.2 Front Panel Controls and Indicators

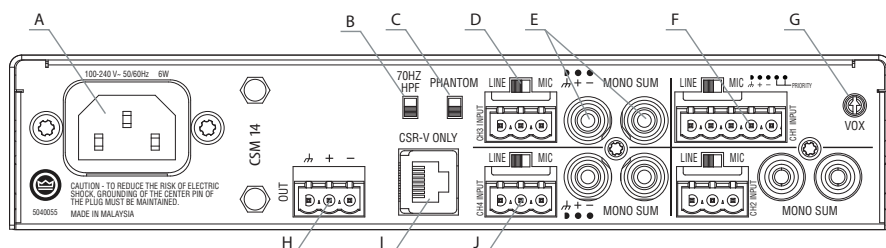
Figure 1.2 Front View



- A. Input Level Controls
- B. Input signal presence is indicated by green illumination of the ring around the input level controls
- C. Output Volume Controls
- D. Power Switch
- E. 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.
- F. Tone Controls - Bass B and Treble T potentiometers on each output channel.
- G. Illuminated ring around the power switch. Green indicates that the unit is connected to the AC mains and is in standby. Blue indicates that the unit is on and in normal operating mode.

1.3 Rear Panel Controls and Connectors - Four Channel

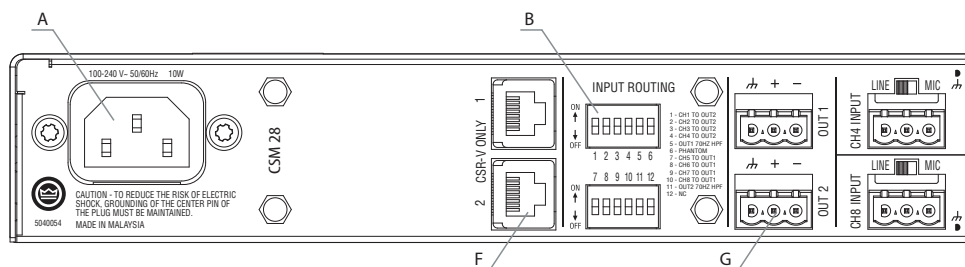
Figure 1.3 Rear View - CSM 14



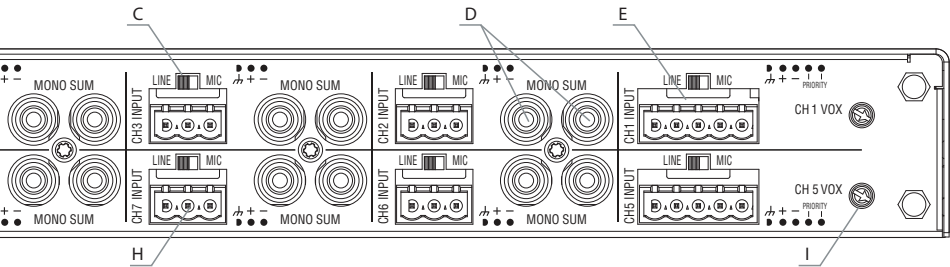
- A. AC Power Inlet – Detachable IEC
- B. 70Hz HPF Switch - Activates this function to allow frequencies above 70Hz pass through and reduce signals with lower frequency.
- C. Phantom Power Switch - Applies 27V phantom power source for microphones.
- D. Mic/Line Selection Switch - Allows user to select the gain depending upon the source used.
- E. Dual RCA Input Connector - Stereo, unbalanced sources will be summed together. (Ch2-4)
- F. Priority Input Connector - 5-pin Euro-block includes 3 pins for a balanced input as well as two pins that, when shortened together, activates the priority function. (Ch1)
- G. VOX Adjustment - allows the input level to be set that will invoke priority override. (Ch1)
- H. Line Level Output Connector
- I. Remote Volume connector – RJ45 style connector to connect to a JBL CSR-V control module.
- J. Mic/Line Input Connector - 3-pin Euro-block connector, balanced input (Ch 2-4)

1.4 Rear Panel Controls and Connectors - Eight Channel

Figure 1.4 Rear View - CSM 28



- A. AC Power Inlet – Detachable IEC
- B. Dip switches for input routing and phantom power.
- C. Mic/Line Selection Switch – Allows the user to select the gain depending upon the source used.
- D. Dual RCA Input Connector – Stereo, unbalanced sources will be summed together. (Ch 2-8)
- E. Priority Input Connector – 5-pin Euro-block includes 3 pins for a balanced input as well as two pins that, when shorted together, activates the priority function. (Ch 1 & 5)
- F. Remote Volume Control – RJ45 style connector to connect to a JBL CSR-V control module.



- G. Line Out – Line level output connector for each output channel.
- H. Mic/Line Input Connector – 3-pin Euro-block connector for a balanced input source. (Ch 2-4 & 6-8)
- I. VOX Adjustment – Allows the input level to be set that will invoke priority override. (Ch 1 & 5)

Appendix A: Target Performance Specifications

Performance	CSM 14		CSM 28	
Number of Input Channels	4		8	
Number of Output Channels	1		2	
Line Output level	5.0V _{rms} into 10kΩ			
Input Sensitivity to obtain 5V _{rms} to line out	Mic Input: 3mV _{rms} Line Input: 775 mV _{rms} RCA Input: 300mV _{rms}			
Frequency Response	20Hz - 20kHz, +/-1dB			
Total Harmonic Distortion (THD) (measured with 5V _{rms} at output)	0.05% typical			
Signal-to-Noise Ratio (Ref. 5V _{rms} from Output, mixer levels at min, master volume at max, A-weighted)	>90dB			
Input Impedance (nominal)	Mic: 400 Ω Line: 20KΩ (Balance) RCA: 50KΩ			
Phantom Power	+27VDC			
Crosstalk (Ref. 5V _{rms} from Output, Volume at mid position, 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			
Operating Temperature/Humidity	0°C to 40°C @ 95% R.H. (non-condensing)			
Storage Temperature	-20°C to 85°C			
Dimensions & Weight				
Net Weight (preliminary estimate)	4.3 lb (2.0 kg)		7.5 lb (3.4 kg)	
Dimensions	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)	
Shipping Weight	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

ZEUS AV

JBL

COMMERCIAL
by HARMAN

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

Part Number: 5040964 Issue: 01/14