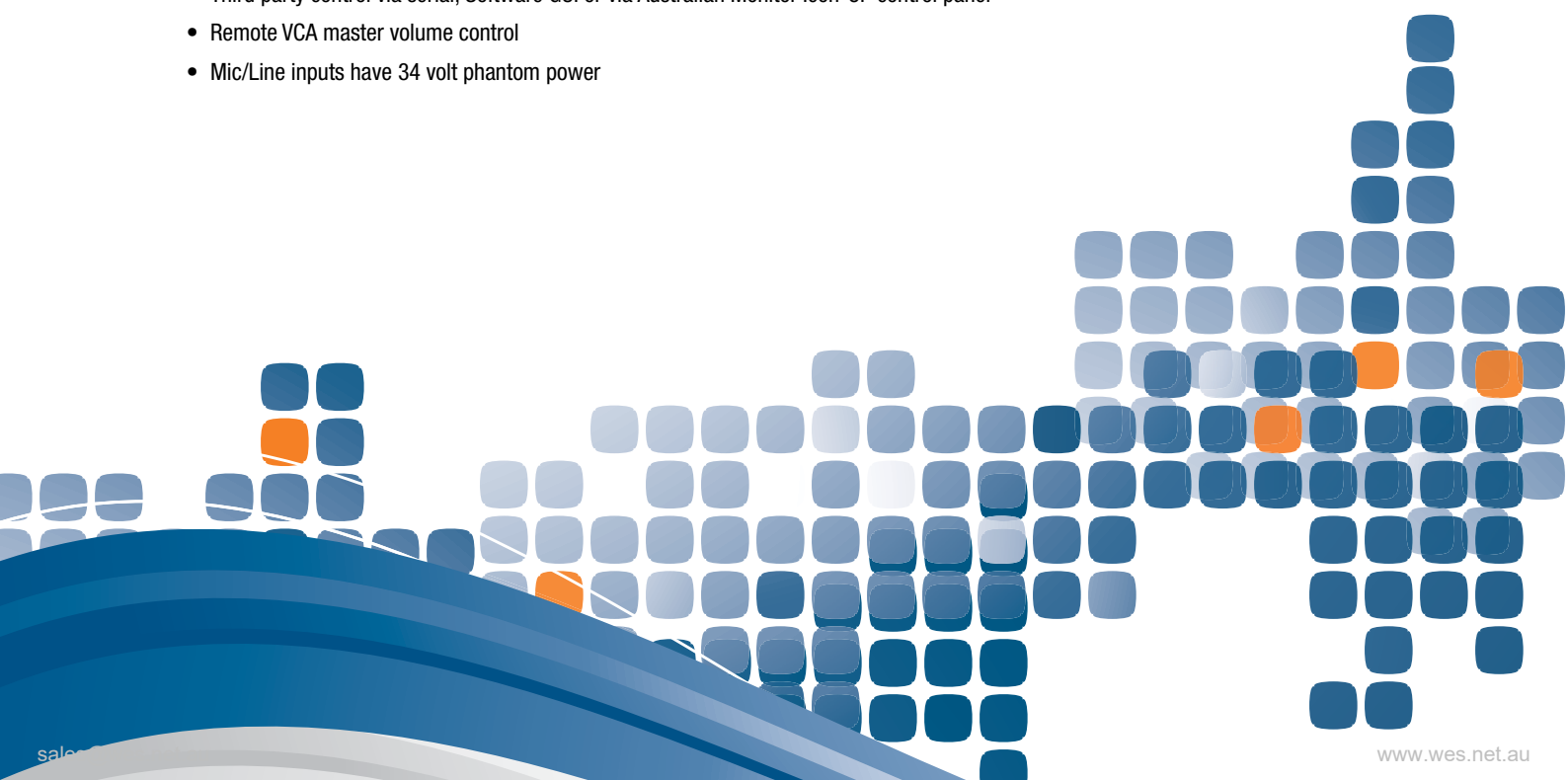# Australian Monitor
AMD200
Mixer Amplifier

With an impressive 12 inputs the Australian Monitor AMD200 will give installers untold flexibility in a 1 RU mixer amplifier. Featuring 8 balanced Mic/Line level inputs each with 34V DC phantom power available and 4 dual RCA program source inputs and delivering 200 watts at 100 volt, 70 volt, 8 ohm and 4 ohm. With on board tones (Bell, Pre-Announce, Alert and Evac), remote master VCA, Vox triggered output (assignable to any one or combination of mic/line ins), 24DVC back up power input and low power contact closure, the Australian Monitor AMD200 has all the features of the smaller AMD100 compact class D amplifier.

The AMD200 also boasts the power of on board DSP processing, the connectivity of third party control via the RS485 port, which supports the Australian Monitor ICON CP control panel or allows connection to a third party control system and a USB port for setup or for PC control.

Features

- 8 mic/line inputs + 4 Stereo source inputs
- Stereo line output + Mono amplifier output (Constant voltage or Low impedance operation)
- 1 RU Class D design
- 20Hz – 20kHz frequency response (Line Level Output)
- Low power contact closure
- DSP processing on board with Parametric EQ, compressor, noise gate and high and low pass filters
- Third party control via serial, Software GUI or via Australian Monitor Icon-CP control panel
- Remote VCA master volume control
- Mic/Line inputs have 34 volt phantom power

Specifications

The mixer amplifiers shall be of 1 RU class D design, that features eight balanced Mic/Line level inputs each with 34V DC phantom power available and four dual RCA program source inputs. Delivering 200 watts at 100 volt, 70 volt, 8 ohm or 4 ohm and with on board tones (Bell, Pre Announce, Alert and Evac), remote master VCA, Vox triggered output (assignable to any one or combination of mic/line ins), 24DVC back up power input and low power contact closure. The amplifier shall be the Australian Monitor AMD200 mixer amplifier and shall have comprehensive DSP on board.

AMD200

			SPECIFICATION	CONDITIONS
Frequency response	Mic/Line Inputs	Line Level Output	20-20kHz, -3dB	Signal Input -2dB below clip
		Amp Output	60-20kHz, -3dB	Signal Input -2dB below clip
	Stereo Inputs	Line Level Output	20-20kHz, -3dB	Signal Input -2dB below clip
		Amp Output	60-20kHz, -3dB	Signal Input -2dB below clip
Total Harmonic Distortion	Mic/Line Inputs	Line Level Output	<0.05 %	0dB gain, Signal input -2dB below clip
		Line Level Output	<0.1 %	45dB gain, Signal input -2dB below clip
		Amp Output	<0.5 %	Signal input -2dB below clip
	Stereo Inputs	Line Level Output	<0.05 %	Signal input -2dB below clip
		Amp Output	<0.5 %	Signal input -2dB below clip
Phantom Power			+34VDC,	Available via individual switch on each mic/line channel
Crosstalk Between channels			> 80dB,	1kHz, input channel at clip, measured on line output of adjacent output
Signal To Noise Ratio	Mic/Line Input		> 92dB	A-weighted, to line and amp output, 20Hz to 20kHz
	Stereo Input		> 91dB	A-weighted, to line and amp output, 20Hz to 20kHz
Power Output	4ohm		200W,	28.28Vrms
	8ohm		200W	40Vrms
	70V		200 W	
	100V		200 W	
Power Consumption	Green		9W,	No control panel attached, 4ohm load
	Idle		15W,	No control panel attached, 4ohm load
	1/8th Power		48W,	No control panel attached, 4ohm load
	1/3rd Power		83W,	No control panel attached, 4ohm load
Thermal Dissipation	Idle		15W, (51.18 Btu\Hr)	
	1/8th		24.25W, (82.74 Btu\Hr)	Pink noise 12dB crest factor, typical of program music just before clip
Power Input			AC Mains (230V to 240V / 115V to 120V) or +24V DC	
Recommended Operating Temp			10°C to 45°C (50°F to 113°F)	
Recommended Operating Humidity			5% to 95%	
Dimensions (H x W x D)	Not including rack ears or front panel knobs		44 x 430 x 330mm (1.75" x 16.9" x 13")	
Shipping Dimensions (H x W x D)			140 x 540 x 410mm (5.51" x 21.3" x 16.1")	
Weight	Net		7kg (15.4lb)	
	Shipping		9kg (19.8lb)	