AUSTRALIAN MONITOR DIGITAL

ISP POWER AMPLIFIERS

IS2120P • IS2250P • IS4120P • IS4250P

IS2250P Front Panel

Network Control	Embedded UI	DSP Engine	ErP Standby <2W	Dante Enabled

The ISP Series is Australian Monitor's premium offering of network controllable Class D power amplifiers, delivering high quality audio reinforcement with the power you need in the following options –

- Dual channel 120W or 250W
- Quad channel 120W or 250W

The ISP power amplifiers are featured packed including ethernet control, embedded web browser user interface, DSP, ErP Standby Compliant and Dante® support via an expansion module.
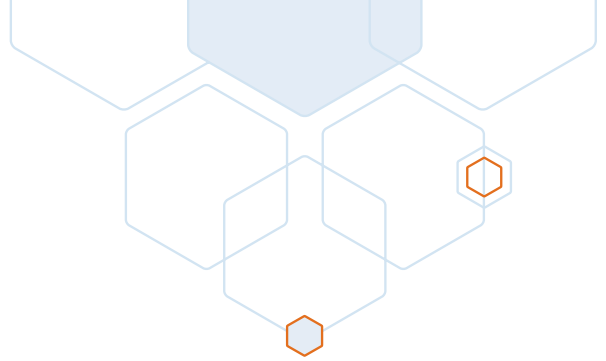
The ISP series power amplifiers give the AV contractor a reliable, feature rich amplifier for applications that demand the highest performance with ease of use.

FEATURES

- IS2120P – 2x120W, IS2250P – 2x250W
- IS4120P – 4x120W, IS4250P – 4x250W
- 4Ω and 70V / 100V outputs
- Class D amplifier technology
- Ethernet control
- Embedded User Interface via web browser
- DSP:
  - Volume control
  - Matrix Mixer
  - High/Low/All pass filters
  - 12 band parametric equaliser per channel
  - Compressor/Limiter
  - Delay up to 75m(220ms) per amplifier output
  - Audio level sense for standby/auto-wake
- Four software configurable external input/outputs
- Dedicated external standby contact closure
- Open control interface for third party integration
- Dante® 4In,4Out expansion card option
- Analogue 4In expansion card option
- Rack mount size
- 1 RU for 2 channel amplifiers
- 2 RU for 4 channel amplifiers
- Fan cooled
- Universal switchmode PSU with PFC
- ErP (1275/2008/EC) Standby Compliant, less than 2W

Embedded web browser user interface

www.australianmonitor.com.au

IS2250P Rear Panel

*DM4x4 expansion card fitted

MODEL	IS2120P	IS2250P	IS4120P	IS4250P
SYSTEM				
AMPLIFIER CHANNELS		2		4
MAX POWER OUTPUT PER CHANNEL	120W	250W	120W	250W
CONTROL		Ethernet		
AMPLIFIER TOPOLOGY		Class-D		
POWER SUPPLY		Universal switch-mode power supply		
ACCESSORY SLOT		One. Supports a 4x4 Dante® Card or a 4 Input Analogue Audio Card		
AUDIO SPECIFICATIONS				
FREQUENCY RESPONSE 4Ω		20Hz ~ 20kHz		
FREQUENCY RESPONSE 70/100V		75Hz ~ 16kHz		
SIGNAL TO NOISE RATIO		> 100dB		
THD+N. 4Ω. 1kHz		< 0.05%		
THD+N. 100V. 1kHz		< 0.08%		
OVERLOAD PROTECTION		Temperature, Over Voltage, Current Limit		
DSP				
AUDIO ROUTING		Matrix Mixer		
CROSSOVER		High, Low and All Pass		
ROOM EQUALISER		6 band parametric equaliser		
SPEAKER EQUALISER		6 band parametric equaliser		
COMPRESSOR		Compressor or Limiter per output		
DELAY		Up to 75m (219ms) per amplifier output		
SAMPLE RATE		48kHz, 24 bit		
CONTROL				
USER INTERFACE		Embedded user Interface accessed via web browser		
ETHERNET		RJ45, 100BASE-T with Auto MDI-X		
ADDITIONAL FEATURES		Four general purpose input/outputs. Software configurable. Dedicated standby contact closure input		
POWER				
STANDBY		ErP (1275/2008/EC) Standby Compliant, less than 2W (no expansion card fitted)		
AUTO-STANDBY		Auto standby after 30 mins of no audio		
AUTO-STANDBY WAKEUP TIME	750ms	650ms	750ms	650ms
AC INPUT		100-240Vac, 50-60Hz		
AC POWER FACTOR		> 0.95		> 0.94
MISCELLANEOUS				
MOUNTING		1 RU		2RU
DIMENSIONS (W X D X H)		435mm x 325mm x 44mm (19.02" x 12.8" x 1.73")		435mm x 389mm x 89mm (19.02" x 15.32" x 3.50")
OPERATING TEMPERATURE		0°C to 40°C (95% RH)		
COOLING SYSTEM		Fan assisted convection cooling		
COLOUR		Black		
ACCESSORIES				
DM4X4		4 Input, 4 output Dante® transceiver card		
ANALOGUE4		4 Input Analogue Input card		

Due to continuous improvements, all specifications are subject to change