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.
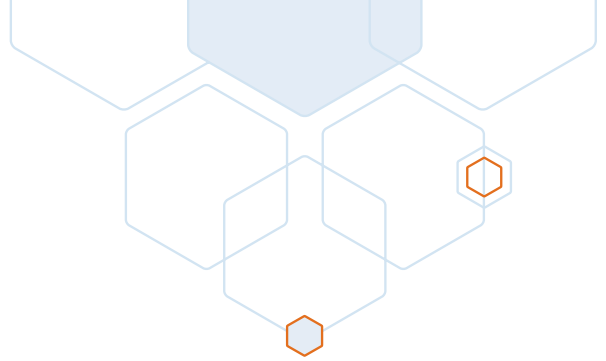
The ISP series power amplifiers give the AV contractor a reliable, feature rich amplifier for applications that demand the highest performance with ease of use.

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