

HSP Power Amplifier

HS120P, HS250P, HS2120P, HS2250P, HS4120P, HS4250P



The HSP series is Australian Monitor's next generation of controllable Class D power amplifiers, delivering high quality audio reinforcement with the power you need in the following options – Single channel 120W or 250W, Dual channel 120W or 250W and Quad channel 120W or 250W.

Our new power amplifiers are fully featured, including an efficient Class D amplifier, USB and RS232 control and a mini DSP featuring volume control, mute, compressor/limiter and input channel selection.

The HSP series power amplifiers give the AV contractor a reliable amplifier for applications that are price sensitive yet still require high quality commercial sound reinforcement and control.

Features:

- HS120P – 1x120W, HS250P – 1x250W
- HS2120P – 2x120W, HS2250P – 2x250W
- HS4120P – 4x120W, HS4250P – 4x250W
- Class D amplifier technology
- USB and RS232 control
- miniDSP:
 - > Volume control
 - > Muting
 - > High/Low pass filter
 - > Compressor/Limiter
 - > Input channel selection
 - > Invert
- Software graphic user interface control
- External Mute, Standby and Fault control
- Signal, clip and protection indicators
- 4Ω and 70V / 100V outputs
- Rack mount size
 - > 1 RU for 1 and 2 channel amplifiers
 - > 2 RU for 4 channel amplifiers
- Fan cooled
- Universal switchmode PSU with PFC



PC application User Interface



Back Panel (HS4250P shown)

Specifications

Model	HS120P	HS250P	HS2120P	HS2250P	HS4120P	HS4250P
AMPLIFIER						
Topology	Class-D					
Channels	1		2		4	
Power Output (per channel)	120W	250W	120W	250W	120W	250W
Input sensitivity	1Vrms					
Frequency Response 4Ω	20Hz - 20kHz					
Frequency Response 100V	100Hz - 16kHz					
Signal to Noise Ratio	> 90dB					
THD+N. 4Ω. 1kHz	< 0.2%					
THD+N. 100V. 1kHz	< 0.2%					
Overload protection	Temperature, Over/Under Voltage, Short, DC					
Audio Input Connectors	1x3 euroblock plug (3.81mm)					
Audio Output Connectors	6 pin Screw Terminal per channel					
CONTROL						
Communication	Front Panel – USB 1.1 (mini type B) Rear Panel – RS232 (1x3 euroblock plug 3.81mm)					
DSP	Volume Control Channel Mute High/Low pass filter (Butterworth, Bessel, Linkwitz-Riley) Compressor/Limiter Input channel selection Channel invert					
Status	1x4 euroblock plug (3.81mm) Inputs - Standby, Mute Output - Fault					
Software	WinXP to Win 10, 32/64 bit Windows installed application					
MISCELLANEOUS						
AC Input	220-240Vac, 50-60Hz	100-240Vac, 50-60Hz				
AC Power Factor	N/A	>0.95				
Mounting	1 RU				2 RU	
Dimensions (W x D x H) (including rack ears)	483mm x 328mm x 44mm (19" x 12.91" x 1.73")				483mm x 389mm x 89mm (19.02" x 15.32" x 3.50")	
Dimensions (W x D x H) (excluding rack ears)	435mm x 328mm x 44mm (17.13" x 12.91" 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	Convection	Fan assisted convection cooling				
Colour	Black					