HS Mixer Amplifier
HS60, HS120, HS250, HS500

The HS series is Australian Monitor's next generation of Class D mixer amplifiers, delivering high quality audio reinforcement with the power you need – 60, 120, 250 and 500 watt options, all in a one rack unit package.

Our new amplifiers are fully featured, offering 7 external and 2 internal audio input channels, each channel offering individual channel volume control, equalizer and gain control. An inbuilt user-customizable tone generator, MP3 player, Bluetooth module, 3.5mm jack and USB charger are included as standard in all models.

The HS series has been designed with all of the features and power to suit a vast range of installations, from the boardroom to the classroom, school hall to bar, restaurant or function space.

Features:

- 60W, 120W, 250W and 500W models
- 4Ω / 70V and 100V outputs
- 9 audio input channels. 6 rear & 3.5mm Jack, Bluetooth and MP3
- Individual gain/equalisation control on all external audio inputs
- Priority mute control on channels 1-3, with level and time release control
- Phantom power on rear inputs
- MIC or Line options on rear inputs
- Individual channel attenuation on rear inputs
- Magnetic cover for customer concealed eq and gain controls
- Embedded tone generator for bell/alert/evac/ chime/ intruder plus 11 fully customisable user tones
- Embedded MP3 player via onboard SD card socket – supporting random, sequenced and single playback
- Bluetooth 3.0+EDR audio receiver supporting advanced audio distribution profile (A2DP)
- Tamper-proof channel attenuation by disabling external volume controls
- Voltage controlled input attenuation (VCA)
- Signal, Status, Clip Protection indicators
- Clip/Thermal/Short and Under/Over voltage protection
- 1 RU rack mount size

Front Panel with magnetic cover removed, revealing eq and gain controls

Back Panel

Specifications

Model	HS60	HS120	HS250	HS500
AMPLIFIER				
Topology	Class-D			
Channels	1	1	1	1
Continuous Max Power Output	60W	120W	250W	500W
Frequency Response 4Ω	20Hz - 20kHz			
Frequency Response 100V	100Hz - 16kHz			
Signal to Noise Ratio	>75 dBr			
THD+N. 4Ω, 8Ω. 1kHz	< 0.2%			
THD+N. 100V. 1kHz	< 0.3%			
Overload Protection	Temperature, Over/Under Voltage, Short			
PRE-AMPLIFIER				
External audio inputs	3 XLR/RCA Inputs with MIC/LINE level control, 3 Euro/RCA Inputs with MIC/LINE level control, 3.5mm front panel audio jack			
Internal audio inputs	Bluetooth Audio Input, MP3 Player input			
Pre-Amplifier Outputs	Line Output, Record Output			
Channel Equaliser	100Hz ±12dB, 10kHz ±12dB			
Master Equaliser	100Hz ±12dB, 1600Hz ±12dB, 10kHz ±12dB			
PERIPHERALS				
Tone Generator	5 default tones + 11 user customisable tones			
Bluetooth	Bluetooth 3.0 + EDR supporting A2DP profile			
MP3 Player	Embedded MP3 player			
Supported Modes	Individual Track, Random, Play1 random, Sequence			
Supported File Formats	MPEG-1 Audio Layer III support - Full bit rate support. CBR,ABR,VBR WAV - 16 or 24 bit - 32kHz, 44,1kHz, 48kHz, 88.2kHz, 96kHz,176.4kHz, 192kHz			
Additional Features	12V Phantom power on input channels 1-6, Priority control on Ch1-3 with level and release time control, VCA			
MISCELLANEOUS				
AC Input	100-240Vac, 50-60Hz	220-240Vac, 50-60Hz	100-240Vac, 50-60Hz	100-240Vac, 50-60Hz
AC Power Factor	N/A		>0.95	
Mounting	1 RU			
Dimensions (W x D x H)	438mm x 306mm x 44mm (17.24" x 12.05" x 1.73")		438mm x 406mm x 44mm (17.24" x 16" x 1.73")	
Operating Temperature	0°C to 40°C (95% RH)			
Cooling system	Convection		Fan assisted convection cooling	
Colour	Black			