

SMA 120/250



The design of our SMA Series PA power amplifiers embraces all the aspects of a well-designed amplifier. The visual design, mechanical, electrical and sonic parameters, along with our dedicated manufacturing process, have all been optimized to provide a professional tool that exhibits quality, reliability and longevity.

The SMA Series amplifiers are 1 unit (1.73") high, 19" wide, rack mountable units

Each channel of SMA 120/250 comprises a balanced active XLR input and an unbalanced RCA input with a buffered attenuator. All the individual attenuators are then summed and fed to the tone control stage driving a differential class A drive stage thru a Master control which in turn drives a fan-cooled, class AB, output stage configured as an emitter follower. Selectable priority provided for CH-1 and CH-2 inputs over remaining inputs. A Special TONE generator provided which also has priority over CH-2,3,4. These amplifiers operate from a Switching power supply source.

These amplifiers have been specifically designed to deliver their high-power output with minimal distortion, and provide the critical degree of control required by your speakers, at high duty cycles for extended periods.

	SMA 120	SMA 250
INPUT MAINS SUPPLY	230V/50Hz	230V/50Hz
OUTPUT POWER @ 1% THD	120W	250W
OUTPUT	4Ω / 100V Outputs through transformer	4Ω / 100V Outputs through transformer
INPUT SENSITIVITY	MIC (XLR): 1.2mV (±0.1mV) AUX (RCA): 180mV(±20mV)	MIC (XLR): 1.2mV (±0.1mV) AUX (RCA): 180mV(±20mV)
TONE CONTROL	BASS: ±9dB (@ 100Hz) TREBLE: ±9dB (@ 10kHz)	BASS: ±9dB (@ 100Hz) TREBLE: ±9dB (@ 10kHz)
REC OUT	200mV ±20mV (10kΩ)	200mV ±20mV (10kΩ)
THD (-3dB)	<0.3%	<0.6%
S/N RATIO (@100V)	>75dB (A-weighted, pots centred)	>80dB (A-weighted, pots centred)
FREQ. RESPONSE	@4Ω @100V	
	30Hz ~ 20kHz 55Hz ~ 20kHz	40Hz ~ 20kHz 40Hz ~ 20kHz
NUMBER OF INPUTS	4 Inputs (XLR & RCA)	4 Inputs (XLR & RCA)
DIMENSIONS (WxHxD)	483mm x 44mm x 310mm	483mm x 44mm x 310mm
SHIPPING WEIGHT	7.5kg	7.8kg
SPECIAL FEATURES	a) 1 RU Construction b) 4 x Inputs thru XLR / RCA c) Convection cooling d) CH-1 Priority over all other channels (2,3,4) e) CH-2 Priority over remaining channels (3,4) f) Tone Priority - over (Ch 2,3,4) g) Phantom power selectable h) Master Volume control (on front panel) i) Bass/Treble control	a) 1 RU Construction b) 4 x Inputs thru XLR / RCA c) Fan cooling d) CH-1 Priority over all other channels (2,3,4) e) CH-2 Priority over remaining channels (3,4) f) Tone Priority - over (Ch 2,3,4) g) Phantom power selectable h) Master Volume control (on front panel) i) Bass/Treble control

Due to continuous improvements, all specifications are subject to change