

Section 1: SPECIFICATION

SYSTEM 8 - High quality compact semimodular sound mixers for all applications.

MODEL 168 - 16 input channels, 8 outputs plus stereo mix, 8 track monitoring.

MODEL 128 - 12 input channels, 8 outputs plus stereo mix, 8 track monitoring.

MODEL 1616 - 16 input channels, 8 outputs plus stereo mix, 16 track monitoring.

MODEL 164 - 16 input channels, 4 outputs plus stereo mix, 4 track monitoring.

MODEL EX8 has 8 input channels for expansion of other models.

POWER SUPPLY MODEL MPS8 applies to all Models.

Connectors: XLR mic inputs and main outputs; $\frac{1}{4}$ -inch jack all other circuits.

GAIN (input to output)	<u>Mic</u>	<u>Line</u>
minimum (includes mic PAD)	+4dB	-15dB
normal range	+20dB to +60dB	-15dB to +25dB
maximum (includes fader boost)	+70dB	+35dB

Normal operating level (outputs, line and tape inputs): +4dBv or -8dBv selectable.

Internal headroom: +18dB

Maximum output level: +21dBv into 5 kOhms or more. +18dBv into 600 Ohms.

Peak indicator warning at 3dB before clipping overload.

FREQUENCY RESPONSE (mic or line input to output): 20Hz to 20kHz \pm 1dB ref. 1kHz.

EQUALISER CHARACTERISTIC: HF Shelving equaliser \pm 16dB at 12kHz or 8kHz.

LF Shelving equaliser \pm 12dB at 120Hz or 80Hz

MID peak/dip \pm 12dB, 400Hz to 6kHz, Q=1.5

DISTORTION (Mic input to output at +4dBv, 45dB gain): \leq 0.05% THD 20Hz to 20kHz.

CROSSTALK: Left and Right output separation better than 60dB, 30Hz to 10kHz.

Interchannel separation better than 70dB, 30Hz to 10kHz.

NOISE (20kHz bandwidth RMS noise ref. 0dBv (0.775v RMS)):

	<u>164</u>	<u>168/128</u>	<u>1616</u>	<u>EX8</u>
Stereo output (one line input routed unity gain):	-82dB	-82dB	-78dB	-82dB
Group output (one line input routed unity gain):	-82dB	-82dB	-82dB	-82dB
Stereo output (all inputs routed & faders closed):	-80dB	-79dB	-77dB	-79dB
Group output (all inputs routed & faders closed):	-75dB	-75dB	-75dB	-78dB
Auxiliary output (unity gain, inputs closed):	-80dB	-75dB	-75dB	-85dB
Microphone equivalent input noise:	-125dB all versions 200 ohm source.			

CONSTRUCTION: Steel main panel and covers, hard stove-enamel paint finish with epoxy ink screenprinted legend. Semimodular electronic printed circuit assemblies. IC op-amp and discrete transistor audio system of transformerless design.

DIMENSIONS:

	<u>Width</u>	<u>Height</u>	<u>Front/Back</u>	<u>Weight</u>
MODEL 164/128	921mm (36 $\frac{1}{4}$ ")	195mm (7 $\frac{3}{4}$ ")	672mm (26 $\frac{1}{2}$ ")	38kg (84lb)
MODEL 168	1065mm (42")	195mm (7 $\frac{3}{4}$ ")	672mm (26 $\frac{1}{2}$ ")	45kg (100lb)
MODEL 1616	1065mm (42")	245mm (9 $\frac{3}{4}$ ")	672mm (26 $\frac{1}{2}$ ")	47kg (103lb)
MODEL EX8	381mm (15")	125mm (5")	672mm (26 $\frac{1}{2}$ ")	17kg (37lb)
MODEL 164F	925mm	250mm	730mm	41kg
MODEL 248	1350mm	190mm	670mm	47kg
MODEL 2416	1350mm	240mm	670mm	48kg