

TECHNICAL SPECIFICATIONS - SYSTEM 6000 MAINFRAME MKII

Digital Inputs and Outputs

Connectors:	SUB-D, 25 pole (8 channels AES/EBU in/out)
Formats:	AES/EBU (24 bit)
Word clock input:	BNC, 75 Ohm or Hi-Z, 0.6 to 10 Vpp
Internal sample rate:	96 kHz, 88.2 kHz, 48.0 kHz, 44.1 kHz
Internal clock precision:	+/- 30 ppm
Jitter rejection at external sample rates :	30 to 34 kHz, 42.5 to 45.5 kHz, 46.5 to 48.5 kHz, 85 to 91 kHz and 93 to 97 kHz.
Rejection filter (4 th order) :	< -3 dB @ 50 Hz, < -65 dB @ 500 Hz, < -100 dB @ 1.4 kHz
Rejection filter peak (jitter gain)	< 1 dB @ 2 Hz
Intrinsic interface jitter :	< 1 ns peak, BW : 700 Hz to 100 kHz
Digital output phase :	< 3 % of sample period
Input variation before sample slip :	+27 % / -73 % of sample period
Output Dither:	HPF/TPDF dither 8-24 bit mono
Processing Delay:	0.15 ms + 0.21 ms per engine @ 48 kHz, 0.07 ms + 0.1 ms per engine @ 96 kHz
Frequency Response DIO:	DC to 23.9 kHz ± 0.01 dB @ 48 kHz, DC to 47.9 kHz ± 0.01 dB @ 96 kHz

PCMCIA Interface

Connector:	PC Card, 68 pin type 1 cards
Standards:	PCMCIA 2.0, JEIDA 4.0
Card Format:	Supports up to 2 MB SRAM

Control Interface

MIDI:	In/Out/Thru: 5 Pin DIN
GPI, Pedal, Fader:	¼" TS jack, 0 ohm to 50 kohm
Remote:	Custom MIDI In & Out
SMPTE:	Input for Cuelist Management
Ethernet:	10/100 Mbits/s, Base-T

EMC

Complies with:	EN 55103-1 and EN 55103-2, FCC part 15 class B, CISPR 22 class B
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Safety

Certified to:	IEC 60065, EN 60065, UL 6500 and CSA E65
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Environment

Operating Temperature:	32° F to 122° F (0° C to 50° C)
Storage Temperature:	-22° F to 167° F (-30° C to 70° C)
Humidity:	Max. 90 % non-condensing

General

Finish:	Natural color anodized aluminum face plate. Painted and plated steel chassis
Dimensions:	19 x 3.5 x 12 inches (483 x 89 x 305 mm)
Weight:	19 lbs. (8,6 kg)
Mains Voltage:	100 to 240 VAC, 50 to 60 Hz (auto-select)
Power Consumption:	45 watts
Backup Battery Life:	>10 years
Warranty, Parts and labor:	1 year