

# MM4 INPUT/OUTPUT SPECIFICATIONS

## TEST CONDITIONS

1. PAN/BAL: Fader at center - Rest of volume settings all at max
2. PAN/BAL: Master fader at center - CH fader at max - Rest of volume at settings "8"
3. For stereo input
4. For a 100  $\Omega$  load
5. For stereo output

Input Terminal		Input <sup>+1</sup> Sensitivity	Normal <sup>+2</sup> Input	Maximum Sensitivity	Input <sup>+3</sup> Impedance	Suitable Source Impedance
CH Input	Level S/W	-6 dBm	0 dBm	+17 dBm	above 12 K $\Omega$	below 1 K $\Omega$
	Level S/W	-16 dBm	-10 dBm	+7 dBm	above 12 K $\Omega$	below 1 K $\Omega$
	Level S/W	-26 dBm	-20 dBm	-3 dBm	above 12 K $\Omega$	below 1 K $\Omega$
	Level S/W	-51 dBm	-45 dBm	-23 dBm	above 12 K $\Omega$	below 1 K $\Omega$
	Level S/W	-51 dBm	-45 dBm	-23 dBm	above 12 K $\Omega$	below 1 K $\Omega$
Effect Return		-16 dBm	-10 dBm	+20 dBm	above 12 K $\Omega$	below 1 K $\Omega$
AUX Input		-16 dBm	-10 dBm	+20 dBm	above 12 K $\Omega$	below 1 K $\Omega$
Effect Sub Input		-10 dBm	-10 dBm	+10 dBm	above 15 K $\Omega$	below 1 K $\Omega$

Output Terminal	Output Terminal	Output Terminal	Output Terminal	Output Terminal
Master Out	+4 dBm	+10.5 dBm	1 K $\Omega$ <sup>+5</sup>	over 5 K $\Omega$
Effect Send	-10 dBm	+10.5 dBm	1 K $\Omega$ <sup>+5</sup>	over 5 K $\Omega$
Headphones	-	50mW+50mW <sup>+4</sup>	22 $\Omega$	over 8 $\Omega$

## GENERAL SPECIFICATIONS

<b>REAR PANEL TERMINAL</b>	Input Jack (Phone)	8
	Master Out Jack (Phone)	2
	Effect • Post Fader (Phone)	Send 2, Return 2
	AUX Input Jack (Phone)	2
	Headphone Jack (Phone)	1
	Effect Sub in Jack (Phone)	2
	Power S/W	1
<b>PANEL CONTROLS</b>	CH Level S/W(0/-10/-20/MIC)	4
	Effect Volume	4
	PAN/BAL	4
	CH Fader	4
	Master Fader	1
	Effect Return Volume	1
	AUX In Volume	1
<b>LED INDICATORS</b>	Headphone Volume	1
	Peak Indicator (Input)	4
	Peak Indicator (Output)	2
<b>FREQUENCY RESPONSE</b>	Power Indicator	1
	In Case CH Level S/W is MIC	40Hz~50KHz + 0.5/-3dB
<b>INPUT NOISE LEVEL</b>	Except CH Level S/W is MIC	40Hz~50KHz + 0.5/-3dB
	CH • 1 Level S/W (MIC)	-124dBm
<b>RESIDUAL NOISE WITH INPUTS SHORTED</b>	Master Fader (MIN)	-98dBm Below
	Master Fader (MAX)/All CH • Fader (MIN)	-82dBm Below
	Master Fader (MAX)/All CH • Fader (MAX) CH Level S/W (-10)	-81dBm Below
	Master Fader (MAX)/1 CH • Fader (MAX) CH Level S/W (-10)	-80dBm Below
<b>DISTORTION RATE</b>		Less Than 0.05% (50Hz-10KHz, +4dBm Output)
<b>CROSS TALK</b>	L • R • CH	Less Than -70dBm(1KHz)
<b>WEIGHT</b>		2.1 lbs (0.95kg)
<b>DIMENSIONS</b>		8.6" x 8.6" x 2.4" (218 x 218 x 61 mm)
<b>POWER REQUIREMENTS</b>		3.7W, 12VDC/500mA adapter supplied

*For improvement purposes, all specifications and design subject to change without notice.*