

EMX5014C Specifications

GENERAL SPECIFICATION

	EMX5014C
Maximum Output Power @ 0.5 % THD at 1 kHz	500 W/4 Ω 350 W/8 Ω (UA) 320 W/8 Ω (H)
Frequency Response	-3, 0, 1 dB 20 Hz-20 kHz, ref to the nominal output level @ 1 kHz
Total Harmonic Distortion	Less than 0.3 % (THD+N) +14dBu output into 600 Ω @ 20 Hz-20 kHz
Hum & Noise	Equivalent Input Noise, -128 dBu, GAIN=MAX, 20 Hz-20 kHz, ST OUT
Crosstalk @ 1 kHz	-68 dB
Input Connectors	CH 1-6: XLR and Phone CH 7/8, 9/10: XLR and Phone CH 11/12, 13/14: XLR and Pin
EQ	HIGH (10K, Shelving), MID (mono: 250-5K, st: 2.5K, Peaking), LOW (100, Shelving)
Phantom Voltage	48 V
Graphic Equalizer	9 Band (63, 125, 250, 500, 1 k, 2 k, 4 k, 8 k, 16 kHz)
Digital Effects	SPX Digital Multi Effector (24 bit AD/DA, 32 bit Internal Processing): 16 Programs
Power Amp. Mode	L/R, AUX1/MONO, AUX1/2
Foot Switch	Effect On/Off
Dimensions (W x D x H)	444 x 493 x 155 mm (17-3/8" x 19-3/8" x 6-1/8")
Weight	10.5 kg (23.1 lbs.)
Power Requirements/Consumption	U/C: 120 V 60 Hz, 450 W H: 230 V 50 Hz, 450 W BS: 240 V 50 Hz, 450 W

All level controls are nominal, when measured. Output impedance of signal generator: 150 Ω



Rack Mount Adaptor RK5014

The EMX5014C can be rack-mounted using an optional rack-mounting kit for optimum integration with any system or installation.

INPUT CHARACTERISTICS

Input Terminals	PAD	GAIN	Actual Load Impedance	For Use With Nominal	Input Level			Connector
					Sensitivity *2	Position	Max. Before Clip	
CH INPUT A 1-6	0dB	-60 dB	3 kΩ	50-600 Ω Mics	-80 dBu (0.078 mV)	-60 dBu (0.775 mV)	-40 dBu (7.75 mV)	XLR-3-31 type *3
		-16 dB			-36 dBu (12.3 mV)	-16 dBu (123 mV)	+4 dBu (1.23 V)	
	26dB	-34 dB			-54 dBu (1.55 mV)	-34 dBu (15.5 mV)	-14 dBu (155 mV)	
		+10 dB			-10 dBu (245 mV)	+10 dBu (2.45 V)	+30 dBu (24.5 V)	
CH INPUT B 1-6	0dB	-60 dB	10 KΩ	600 Ω Lines	-80 dBu (0.078 mV)	-60 dBu (0.775 mV)	-40 dBu (7.75 V)	Phone Jack *4
		-16 dB			-36 dBu (12.3 mV)	-16 dBu (123 mV)	+4 dBu (1.23 V)	
	26dB	-34 dB			-54 dBu (1.55 mV)	-34 dBu (15.5 mV)	-14 dBu (155 mV)	
		+10 dB			-10 dBu (245 mV)	+10 dBu (2.45V)	+30 dBu (24.5 V)	
ST CH INPUT 7/8-9/10	—	-60 dB	3 kΩ	50-600 Ω Mics	-80 dBu (0.078 mV)	-60 dBu (0.775 mV)	-40 dBu (7.75 mV)	XLR-3-31 type *3
		-16 dB			-36 dBu (12.3 mV)	-16 dBu (123 mV)	-10 dBu (245 mV)	
	—	-34 dB			-54 dBu (1.55 mV)	-34 dBu (15.5 mV)	-14 dBu (155 mV)	
		+10 dB			-10 dBu (245 mV)	+10 dBu (2.45 V)	+30 dBu (24.5 V)	
ST CH INPUT 11/12-13/14	—	-60 dB	10 KΩ	600 Ω Lines	-80 dBu (0.078 mV)	-60 dBu (0.775 mV)	-40 dBu (7.75 mV)	Phone Jack *5
		-16 dB			-36 dBu (12.3 mV)	-16 dBu (123 mV)	+30 dBu (24.5 V)	
	—	-34 dB			-54 dBu (1.55 mV)	-34 dBu (15.5 mV)	-14 dBu (155mV)	
		+10 dB			-10 dBu (245 mV)	+10 dBu (2.45 V)	+30 dBu (24.5 V)	
CH INSERT IN (1-6)	—	—	10 kΩ	600 Ω Lines	-20 dBu (0.775 V)	0 dBu (7.75 V)	+20 dBu (7.75 V)	Phone Jack *5

*1 0 dBu is referenced to 0.775 Vrms.

*2 Sensitivity is the lowest level that will produce an output of +4 dBu (1.23 V), or the nominal output level when the unit is set to maximum level. (All level controls are at maximum position.)

*3 XLR-3-31 type connectors are balanced. (1=GND, 2=HOT, 3=COLD)

*4 Phone Jacks are balanced. (Tip=HOT, Ring=COLD, Sleeve=GND)

*5 Phone Jacks are unbalanced.

OUTPUT CHARACTERISTICS

Output Terminals	Actual Source Impedance	For Use With Nominal	Output Level		Connector
			Nominal	Max. Before Clip	
ST OUT [L, R]	150 Ω	600 Ω Lines	+4 dBu (1.23 V)	+20 dBu (7.75 V)	Phone Jack *2
ST SUB OUT [L, R]	150 Ω	600 Ω Lines	+4 dBu (1.23 V)	+20 dBu (7.75 V)	Phone Jack *2
AUX SEND 1, 2	150 Ω	600 Ω Lines	+4 dBu (1.23 V)	+20 dBu (7.75 V)	Phone Jack *2
EFFECT SEND	150 Ω	600 Ω Lines	+4 dBu (1.23 V)	+20 dBu (7.75 V)	Phone Jack *2
CH INSERT OUT 1-6	600 Ω	10 kΩ Lines	0 dBu (0.775 V)	+20 dBu (7.75 V)	Phone Jack *2
REC OUT [L, R]	600 Ω	10 kΩ Lines	-10 dBV (316 mV)	+10 dBV (3.16 V)	RCA Pin Jack
PHONES [L, R]	100 Ω	8 Ω/40 Ω Lines	1mW/3mW	20mW/75mW	Phone Jack (TRS)
SPEAKER OUT	0.1 Ω	4 Ω Speakers	125W	500W	SPEAKON Phone Jack *2

*1 0 dBu is referenced to 0.775 Vrms. 0 dBV is referenced to 1 Vrms.

*2 Phone Jacks are unbalanced.