

		MG24/14FX	MG32/14FX
Total Harmonic Distortion		Less than 0.1 % (THD+N) 20 Hz – 20 kHz @ +14 dBu (ST OUT)	
Frequency Response		0 +1, -3 dB 20 Hz – 20 kHz @ +4 dBu (ST OUT)	
Input Hum & Noise *1		-128 dBu Equivalent Input Noise/-99 dBu Residual Output Noise 20 Hz – 20 kHz, Rs=150 Ω, Input Gain=Maximum, Input Pad =OFF, Input sensitivity=-60 dB	
Crosstalk		-70dB @ 1kHz	
CH Input	Mic	16+1 (Input A 1 . 16, Talk Back: XLR)	24+1 (Input A 1 . 24, Talk Back: XLR)
	Line	16 (Input B 1 – 16: TRS:Phone)	24 (Input B 1 – 24: TRS:Phone)
	Stereo	2 (Ch 17 – 18, 19 – 20:TRS) * Ch17, 19:L (MONO)	2 (Ch 25 – 26, 27 – 28:TRS) * Ch25, 27:L (MONO)
		2 (Ch 21 – 22, 23 – 24: TRS:Phone/RCA:Pin)	2 (Ch 29 – 30, 31 – 32: TRS:Phone/RCA:Pin)
Insert I/O	16 (Ch 1 – 16: TRS:Phone T: Out, R: In, S: Gnd)	24 (Ch 1 – 24: TRS:Phone T: Out, R: In, S: Gnd)	
AUX	Send	6 (1 . 2/Post-Pre selectable, 3 . 4/Post-Pre selectable, 5 . 6/Post: TRS:Phone)	
	Return	2 Stereo Sub In (L/MONO, R: TRS:Phone)	
EFFECT	Send	2 (1, 2: TRS:Phone)	
2TR	In	1 Stereo (L, R: RCA:Pin)	
STEREO	Insert	1 Stereo (L, R: TRS:Phone)	
GROUP	Insert	4 (1 – 4: TRS:Phone)	
REC	Out	1 Stereo (L, R: RCA:Pin)	
ST	Out	1 Stereo (L, R: XLR)	
MONO	Out	1 (XLR)	
ST SUB	Out	1 Stereo (L, R: TRS:Phone)	
GROUP	Out	4 (1 – 4: TRS:Phone)	
Phones		1 (TRS:Phone Stereo)	
Phantom Power		+ 48 V	
CH & ST Ch Input Gain Control		44 dB variable	
CH & ST High Pass Filter		80 Hz 12 dB/Octave	
CH EQ (MONO) *2 ±15 dB (Max.)	High	10 kHz (Shelving)	
	Mid	0.25-5 kHz (Peaking)	
	Low	100 Hz (Shelving)	
CH EQ (STEREO) *2 ±15 dB (Max.)	High	10 kHz (Shelving)	
	Hi-Mid	3 kHz (Peaking)	
	Low-Mid	800 Hz (Peaking)	
	Low	100 Hz (Shelving)	
MONO Out Low Pass Filter		80 – 120 Hz 12dB/octave	
Internal Digital Effect		SPX x 2 (Effect 1: 16 Programs, Effect 2: 16 Programs :Parameter Control)	
Dimensions	Width	819 mm	1027 mm
	Depth	551 mm	551 mm
	Height	140 mm	140 mm
Weight		18.5 kg	22 kg
Power Requirements		100 W 120 V/60 Hz 100 W 220 V/50 Hz	120 W 120 V/60 Hz 120 W 220 V/50 Hz

100 W 220 V/50 Hz
100 W 230 V/50 Hz

120 W 220 V/50 Hz
120 W 230 V/50 Hz

*1 Hum & Noise are measured with a 6 dB/octave filter @ 12.7 kHz; equivalent to a 20 kHz filter with infinite dB/octave attenuation.

*2 Turn over /roll-off frequency of shelving : 3 dB below maximum variable level.

MG24/14FX, MG32/14FX

INPUT CHARACTERISTICS

Connection	PAD	Gain Trim	Actual Load Impedance	For Use With Nominal	Input Level *1		Connector In Mixer
					Nominal	Max. before Clip	
CH INPUT [A, B] *7	0	-60	3 kΩ	50 – 600 Ω Mics 600 Ω Lines	-60 dBu (0.775 mV)	-40 dBu (7.75 mV)	A: XLR-3-31 type *10 B: Phone Jack (TRS) *10
	26				-34 dBu (15.5 mV)	-14 dBu (155 mV)	
	0	-16			-16 dBu (123 mV)	+4 dBu (1.23 V)	
	26				+10 dBu (2.45 V)	+30 dBu (24.5 V)	
ST CH INPUT *8 *9	-34	10	10 kΩ	600 Ω Lines	-34 dBu (15.5 mV)	-14 dBu (155 mV)	Phone Jack *8 *9 *7 RCA Pin Jack *9
	10				+10 dBu (2.45 V)	+30 dBu (24.5 V)	
CH INSERT IN *7			10 kΩ	600 Ω Lines	0 dBu (0.775 V)	+20 dBu (7.75 V)	
GROUP INSERT IN (1 – 4)			10 kΩ	600 Ω Lines	0 dBu (0.775 V)	+20 dBu (7.75 V)	Phone Jack (TRS) *5
SUB IN (1, 2) [L, R]			10 kΩ	600 Ω Lines	+4 dBu (1.23 V)	+24 dBu (12.3 V)	Phone Jack *4
TB IN			10 kΩ	50 – 600 Ω Mics	-50 dBu (2.45 mV)	-30 dBu (24.5 mV)	XLR-3-31 type *11
2TR IN [L, R]			10 kΩ	600 Ω Lines	-10 dBV (316 mV)	+10 dBV (3.16 V)	RCA Pin Jack

OUTPUT CHARACTERISTICS

Connection	Actual Source Impedance	For Use With Nominal	Output Level *1		Connector In Mixer
			Nominal	Max. before Clip	
ST OUT [L, R] MONO OUT	150 Ω	600 Ω Lines	+4 dBu (1.23 V)	+24 dBu (12.3 V)	XLR-3-32 type *2
GROUP OUT (1 – 4) AUX OUT (1 – 6)	150 Ω	10 kΩ Lines	+4 dBu (1.23 V)	+20 dBu (7.75 V)	Phone Jack (TRS) *6
ST SUB OUT [L, R] EFFECT OUT (1, 2)	150 Ω	10 kΩ Lines	+4 dBu (1.23 V)	+20 dBu (7.75 V)	Phone Jack (TRS) *6
CH INSERT OUT *12 GROUP INSERT OUT (1 – 4) ST INSERT OUT [L, R]	150 Ω	10 kΩ Lines	0 dBu (0.775 V)	+20 dBu (7.75 V)	Phone Jack (TRS) *5
REC OUT [L, R]	600 Ω	10 kΩ Lines	-10 dBV (316 mV)	+10 dBV (3.16 V)	RCA Pin Jack
PHONES OUT	100 Ω	40 Ω Phones	3 mW	75 mW	Stereo Phone Jack

*1 In these specifications, when dB represents a specific voltage, 0 dB is referenced to 0.775 Vrms.

*2 XLR type connectors are balanced.

*3 CH INPUT Phone Jacks (TRS) are balanced. [T: HOT, R: COLD, S: GND]

*4 Phone Jacks are unbalanced.

- *4 Phone Jacks are unbalanced.
- *5 INSERT Phone Jacks (TRS) are unbalanced. [T: OUT, R: IN, S: GND]
- *6 Phone Jacks (TRS) are impedance balanced. [T: HOT, R: COLD, S: GND]
- *7 MG12/4: CH1 – CH4, MG16/4: CH1 – CH8, MG16/6FX: CH9 (L)/10 (R), CH11 (L)/12 (R),
MG24/14FX: CH1 – 16, MG32/14FX: CH1 – 24
- *8 MG12/4: CH5 (L)/6 (R), CH7 (L)/8 (R), MG16/4: CH9 (L)/10 (R), CH11 (L)/12 (R), MG16/6FX:
CH13 (L)/14 (R), CH15 (L)/16 (R), MG24/14FX: CH17 (L)/18 (R), CH19 (L)/20 (R),
MG32/14FX: CH25 (L)/26 (R), CH27 (L)/28 (R)
- *9 MG12/4: CH9 (L)/10 (R), CH11 (L)/12 (R), MG16/4: CH13 (L)/14 (R), CH15 (L)/16 (R),
MG24/14FX: CH21 (L)/22 (R), CH23 (L)/24 (R), MG32/14FX: CH29 (L)/30 (R), CH31 (L)/32 (R)
- *10 CH INPUT XLR type connectors and Phone Jacks (TRS) are balanced. [T: HOT, R: COLD, S: GND]
- *11 TB IN XLR type connector is unbalanced.
- *12 MG24/14FX: CH1 – 16, MG32/14FX: CH1 – 24
- *13 Phone Jacks (TRS) are balanced. [T:HOT, R:COLD, S:GND]