

# MG32/14FX, MG24/14FX

## Mixing Consoles



### MG32/14FX

MG32/14FX Rear Panel



### MG24/14FX

MG24/14FX Rear Panel



***High capacity and features for serious live sound applications, plus built-in SPX effects.***

- 16 mono inputs and 4 stereo inputs on the MG24/14FX; 24 mono inputs and 4 stereo inputs on the MG32/14FX.
- Top-quality microphone preamplifiers with switchable phantom power.
- Insert I/O patch points on mono input channels as well as the stereo and group buses.
- Mid-sweep 3-band mono channel EQ, 4-band stereo channel EQ.
- 14 buses for flexible signal routing: main stereo bus, four group buses, six auxiliary buses, and send buses for the two internal effect processors.
- Ample sends and returns for monitoring and external effects.
- Dual Yamaha SPX digital signal processors provide a selection of 16 advanced digital effects.
- Reliable XLR output connectors.
- Variable LPF on mono output for convenient subwoofer setup.
- 12-segment level meters.
- Illuminated switches for high visibility.
- Talkback microphone input for convenient communication.

#### OPTIONS

**FC5**  
Foot Switch



# MG32/14FX, MG24/14FX

## GENERAL SPECIFICATIONS

	MG32/14FX	MG24/14FX
<b>Total harmonic distortion</b> (Master Output)	Less than 0.1% (THD+N) @ +14dBu, 20Hz-20kHz, 600Ω (with gain control at maximum level)	
<b>Frequency response</b> (Master Output)	20Hz-20kHz +1dB, -3dB @ +4dBu, 600Ω (with gain control at minimum level)	
<b>Hum &amp; noise</b> <sup>*1</sup>	-128dBu (Equivalent input noise) -99dBu (Residual output noise) 20Hz-20kHz, Rs=150Ω, Input Gain=Maximum, Input Pad=OFF, Input Sensitivity=-60dBu	
<b>Crosstalk</b> (@1kHz)	-70dB	
<b>Phantom Power</b>	+48V	
<b>Effect</b>	SPX x 2 (Effect 1: 16 Programs, Effect 2: 16 Programs -Parameter Control)	
<b>Dimensions</b> (W x H x D)	1027 x 140 x 551mm (40-7/16" x 5-1/2" x 21-11/16")	819 x 140 x 551mm (32-1/4" x 5-1/2" x 21-11/16")
<b>Weight</b>	22.0kg (48.5lbs.)	18.5kg (40.8lbs.)
<b>Power consumption</b>	120W	100W
<b>Power requirements</b>	AC100V, 50/60Hz AC120V, 60Hz AC220V, 60Hz AC230V, 50Hz	

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

## INPUT SPECIFICATIONS

MG24/14FX, MG32/14FX							
Input Terminal	Pad	Gain Trim	Actual Load Impedance	For Use With Nominal	Input Level <sup>*1</sup>		Connector In Mixer
					Nominal	Max. before Clip	
CH INPUT [A, B] <sup>*2</sup>	0	-60	3kΩ	50-600Ω Mics & 600Ω Lines	-60dBu	-40dBu	A: XLR-3-31 type <sup>*10</sup> B: Phone jack (TRS) <sup>*10</sup>
	26				-34dBu	-14dBu	
	0	-16			-16dBu	+4dBu	
ST CH INPUT <sup>*3,9</sup>	26		10Ω	600Ω Lines	+10dBu	+30dBu	Phone jack <sup>*7,8,9</sup> RCA Pin jack <sup>*9</sup>
		-34			-34dBu	-14dBu	
		10			+10dBu	+30dBu	
CH INSERT IN <sup>*7</sup>			10kΩ	600Ω Lines	0dBu	+20dBu	Phone jack (TRS) <sup>*5</sup>
GROUP INSERT IN (1-4)			10kΩ	600Ω Lines	0dBu	+20dBu	
SUB IN (1, 2) [L, R]			10kΩ	600Ω Lines	+4dBu	+24dBu	Phone jack <sup>*4</sup>
TB IN			10kΩ	50-600Ω Mics	-50dBu	-30dBu	XLR-3-31 type <sup>*11</sup>
2TR IN [L, R]			10kΩ	600Ω Lines	-10dBV	+10dBV	RCA Pin jack

\*0dBu=0.775 Vrms.

## OUTPUT SPECIFICATIONS

MG24/14FX, MG32/14FX					
Connection	Actual Source Impedance	For Use With Nominal	Output Level <sup>*1</sup>		Connector In Mixer
			Nominal	Max. before Clip	
ST OUT [L, R] MONO OUT	150Ω	600Ω Lines	+4dBu	+24dBu	XLR-3-32 type <sup>*5</sup>
GROUP OUT (1-4) AUX OUT (1-6)	150Ω	600Ω Lines	+4dBu	+20dBu	Phone jack (TRS) <sup>*6</sup>
ST SUB OUT [L, R] EFFECT OUT (1, 2)	150Ω	10kΩ Lines	+4dBu	+20dBu	Phone jack (TRS)
CH INSERT OUT <sup>*12</sup> GROUP INSERT OUT (1-4) ST INSERT OUT [L, R]	150Ω	10kΩ Lines	0dBu	+20dBu	Phone jack (TRS) <sup>*5</sup>
REC OUT [L, R]	600Ω	10kΩ Lines	-10dBV	+10dBV	RCA Pin jack
PHONES OUT	100Ω	40Ω Phones	3mW	75mW	Stereo phone jack

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

\*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.

\*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 MG32/14FX: CH1-24, MG24/14FX: CH1-16.

\*8 MG32/14FX: CH25 (L)/26 (R), CH27 (L)/28 (R).

MG24/14FX: CH17 (L)/18 (R), CH19 (L)/20 (R).

\*9 MG32/14FX: CH29 (L)/30 (R), CH31 (L)/32 (R).

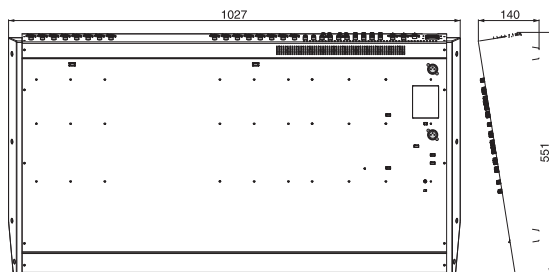
MG24/14FX: CH21 (L)/22 (R), CH23 (L)/24 (R).

\*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 MG32/14FX: CH1-24, MG24/14FX: CH1-16.

## DIMENSIONS



# MG32/14FX, MG24/14FX

## BLOCK & LEVEL DIAGRAM

