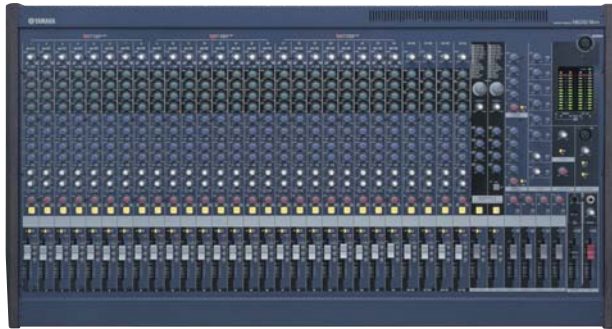


MG32/14FX, MG24/14FX

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
Total harmonic distortion (Master Output)	Less than 0.1% (THD+N) @ +14dBu, 20Hz-20kHz, 600Ω (with gain control at maximum level)	
Frequency response (Master Output)	20Hz-20kHz +1dB, -3dB @ +4dBu, 600Ω (with gain control at minimum level)	
Hum & noise ^{*1}	-128dBu (Equivalent input noise)	
	-99dBu (Residual output noise)	
	20Hz-20kHz, Rs=150Ω, Input Gain=Maximum, Input Pad=OFF, Input Sensitivity=-60dBu	
Crosstalk (@1kHz)	-70dB	
Phantom Power	+48V	
Effect	SPX x 2 (Effect 1: 16 Programs, Effect 2: 16 Programs :Parameter Control)	
Dimensions (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")
Weight	22.0kg (48.5lbs.)	18.5kg (40.8lbs.)
Power consumption	120W	100W
Power requirements	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 ^{*1}		Connector In Mixer	
					Nominal	Max. before Clip		
CH INPUT [A, B] ^{*7}	0	-60	3kΩ	50-600Ω Mics & 600Ω Lines	-60dBu	-40dBu	A: XLR-3-31type ^{*10} B: Phone jack (TRS) ^{*10}	
	26				-34dBu	-14dBu		
	0	-16			-16dBu	+4dBu		
	26				+10dBu	+30dBu		
ST CH INPUT ^{*8,9}	-34	10	10Ω	600Ω Lines	-34dBu	-14dBu	Phone jack ^{*7,8,9} RCA Pin jack ^{*9}	
	10				+10dBu	+30dBu		
CH INSERT IN ^{*7}			10kΩ	600Ω Lines	0dBu	+20dBu	Phone jack (TRS) ^{*5}	
GROUP INSERT IN (1-4)			10kΩ	600Ω Lines	0dBu	+20dBu		
SUB IN (1, 2) [L, R]			10kΩ	600Ω Lines	+4dBu	+24dBu	Phone jack ^{*4}	
TB IN			10kΩ	50-600Ω Mics	-50dBu	-30dBu	XLR-3-31 type ^{*11}	
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 ^{*1}		Connector In Mixer
			Nominal	Max. before Clip	
ST OUT [L, R] MONO OUT	150Ω	600Ω Lines	+4dBu	+24dBu	XLR-3-32 type ^{*2}
GROUP OUT (1-4) AUX OUT (1-6)	150Ω	600Ω Lines	+4dBu	+20dBu	Phone jack (TRS) ^{*6}
ST SUB OUT [L, R] EFFECT OUT (1, 2)	150Ω	10kΩ Lines	+4dBu	+20dBu	Phone jack (TRS)
CH INSERT OUT ^{*12} GROUP INSERT OUT (1-4) ST INSERT OUT [L, R]	150Ω	10kΩ Lines	0dBu	+20dBu	Phone jack (TRS) ^{*5}
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).

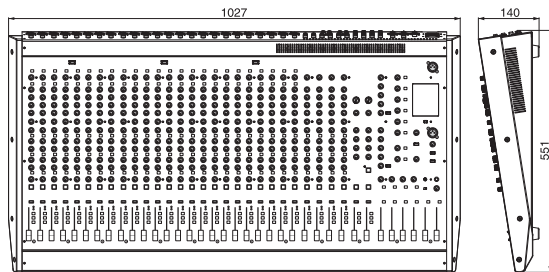
*10 CH INPUT XLR type connectors and Phone Jacks (TRS) are balanced. [T: HOT, R: COLD, S: GND]

*11 TB IN XLR type connector is unbalanced.

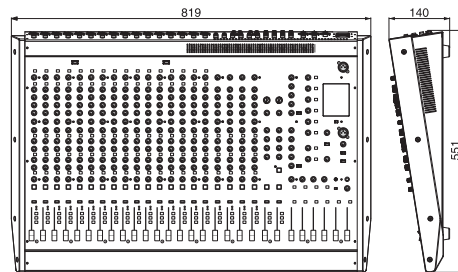
*12 MG32/14FX: CH1-24, MG24/14FX: CH1-16.

DIMENSIONS

unit : mm



MG24 / 14FX



MG32 / 14FX

BLOCK & LEVEL DIAGRAM

