



ZG97350

MIXING CONSOLE

MG06X

MG06 Technical Specifications

## General Specifications

0 dBu = 0.775 Vrms Output impedance of signal generator (Rs) = 150 Ω  
All level knobs are nominal if not specified.

<b>Frequency Response</b>	<b>Input to STEREO OUT</b>	+0.5 dB/-0.5 dB (20 Hz to 20 kHz), refer to the nominal output level @ 1 kHz, GAIN knob: Min
<b>Total Harmonic Distortion (THD+N)</b>	<b>Input to STEREO OUT</b>	0.01 % @ +8 dBu (20 Hz to 20 kHz), GAIN knob: Min 0.003 % @ +18 dBu (1 kHz), GAIN knob: Min
<b>Hum&amp;Noise *1 (20 Hz to 20 kHz)</b>	<b>Equivalent Input Noise</b>	-128 dBu (Mono Input Channel, Rs: 150Ω, GAIN knob: Max)
	<b>Residual Output Noise</b>	-102 dBu (STEREO OUT, STEREO LEVEL knob: Min)
<b>Crosstalk (1 kHz) *2</b>		-88 dB
<b>Input Channels</b>		6 channels: Mono (MIC/LINE): 2, Stereo (LINE): 2
<b>Output Channels</b>		STEREO OUT: 2, PHONES: 1
<b>Bus</b>		STEREO: 1
<b>Mono Input Channel Function</b>	<b>PAD</b>	26 dB
	<b>HPF</b>	80 Hz, 12 dB/oct
	<b>EQ HIGH</b>	Gain: +15 dB/-15 dB, Frequency: 10 kHz shelving
	<b>EQ LOW</b>	Gain: +15 dB/-15 dB, Frequency: 100 Hz shelving
	<b>PEAK LED</b>	LED turns on when post EQ signal reaches 3 dB below clipping (+11 dBu)
<b>Level Meter</b>	<b>Post STEREO LEVEL Knob</b>	2 x 7-segment LED meter [PEAK (+11), +6, +3, 0, -3, -10, -20 dB]
<b>Internal Digital Effect (MG06X)</b>	<b>SPX Algorithm</b>	6 programs
<b>Phantom Power Voltage</b>		+48 V
<b>Power Supply Adaptor</b>		PA-130 (DC12 V/1.0 A, Cable length = 1.8 m), 120 V, 60 Hz, or MU18 (DC12 V/1.5 A, Cable length = 1.5 m), 100 V-240 V, 50 Hz/60 Hz, or an equivalent recommended by Yamaha
<b>Power Consumption</b>		12 W
<b>Dimensions (W×H×D)</b>		149 mm×62 mm×202 mm (5.9"× 2.4"× 7.9")
<b>Net Weight</b>		0.9 kg (2.0 lbs)
<b>Optional Accessory</b>		Mic Stand Adaptor: BMS-10A
<b>Included Accessory</b>		AC power adaptor, Owner's Manual, Technical Specifications (this leaflet)
<b>Operating Temperature</b>		0 to +40°C

\*1 Noise is measured with A-weighting filter. \*2 Crosstalk is measured with 1 kHz band pass filter.

## Analog Input Characteristics

Input Jacks	PAD 26 dB	GAIN Trim	Actual Load Impedance	For Use With Nominal	Input level			Connector
					Sensitivity *1	Nominal	Max. before clip	
MIC/LINE 1/L,2/R	OFF	+64 dB	3 kΩ	50-600 Ω Mics/Lines	-72 dBu (0.195 mV)	-60 dBu (0.775 mV)	-46 dBu (3.884 mV)	Combo jack*2 (Balanced)
		+20 dB			-28 dBu (30.85 mV)	-16 dBu (122.8 mV)	-2 dBu (615.6 mV)	
	ON	+38 dB			-46 dBu (3.884 mV)	-34 dBu (15.46 mV)	-20 dBu (77.50 mV)	
		-6 dB			-2 dBu (615.6 mV)	+10 dBu (2.451 V)	+24 dBu (12.28 V)	
LINE 3/4, 5/6	-	-	10 kΩ	600 Ω Lines	-22 dBu (61.56 mV)	-10 dBu (245.1 mV)	+4 dBu (1.228 V)	Phone jack*3 (Unbalanced)

## Analog Output Characteristics

Output Jacks	Actual Source Impedance	For Use With Nominal	Output level		Connector
			Nominal	Max. before clip	
STEREO OUT L, R	75 Ω	10 kΩ Lines	+4 dBu (1.228 V)	+18 dBu (6.156 V)	XLR-3-32 *4 Phone jack *5 (Balanced)
PHONES	33 Ω	40 Ω Lines	2.4 mW + 2.4 mW	24 mW + 24 mW	Stereo phone jack

0dBu is referenced to 0.775Vrms.

\*1 Sensitivity is the lowest level that will produce an output of +4 dBu (1.228 V) or the nominal output level when the unit is set to maximum gain. (All level knobs are at their maximum position.)

\*2 1&Sleeve = Ground, 2&Tip = Hot, 3&Ring = Cold

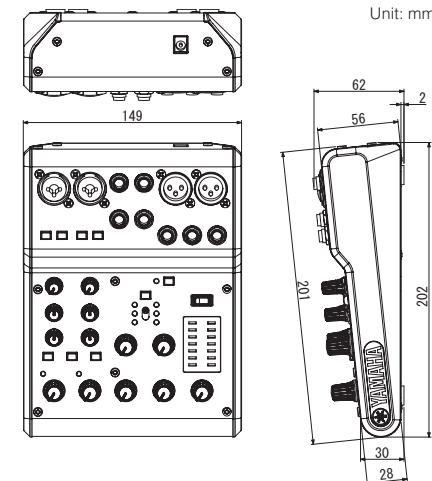
\*3 Tip = Signal, Sleeve = Ground

\*4 1 = Ground, 2 = Hot, 3 = Cold

\*5 Tip = Hot, Ring = Cold, Sleeve = Ground

## Dimensions

The illustration shows the MG06X.



\* Specifications and descriptions in this document are for information purposes only. Yamaha Corp. reserves the right to change or modify products or specifications at any time without prior notice. Since specifications, equipment or options may not be the same in every locale, please check with your Yamaha dealer.

See reverse side for block and level diagrams.

# Block and Level Diagrams

