

#### **Overview**

MG10 is a versatile mixer suitable for a wide range of users and applications.





Rear Panel

#### **Features**

- Input channels: 10 Line Inputs (4 mono, 3 stereo), 4 Mic Inputs with 48V phantom power and HPH per channel.
- Output channels: 2 ST, 1 MONITOR, 1 AUX send, 1 PHONES.
- Bus: 1 ST, 1 AUX
- Robust, impact-resistant, powder-coated metal chassis.
- AC Adapter PA-10 (AC 38VCT, 0.62A) or equivalent recommended by Yamaha.
- Discrete class A "D-PRE" mic preamps with an inverted darlington circuit.
- Professional "1-knob compressors" with LED indicators.



Specifications 1/2

#### **General Specifications**

INPUT CHANNELS
MONO INPUT (MIC/LINE)   4 (CH1-4)
MONO/STEREO INPUT (MIC/LINE)   0
STEREO INPUT (LINE)   3
OUTPUT CHANNELS         STEREO OUT         2           MONITOR OUT         1           AUX SEND         1           GROUP OUT         0           PHONES OUT         1           BUS         STEREO         1           GROUP         0
MONITOR OUT   1   AUX SEND   1   GROUP OUT   0   PHONES OUT   1   BUS   STEREO   1   GROUP   0
AUX SEND 1 GROUP OUT 0 PHONES OUT 1  BUS STEREO 1 GROUP 0
GROUP OUT   0   PHONES OUT   1
PHONES OUT         1           BUS         STEREO         1           GROUP         0
BUS STEREO 1
GROUP 0
ALIV 1
AOA
USB AUDIO - USB IN/OUT No
PHANTOM POWER +48V
<b>POWER REQUIREMENTS</b> May vary depending on region (120/60Hz, 220V/50Hz, 230V/50Hz, 230V/50Hz, 240V/50Hz)
POWER SUPPLY TYPE AC Adapter PA-10 (AC 38VCT, 0.62A) or equivalent recommended by Yamaha
POWER CONSUMPTION 22.9W
<b>DIMENSIONS</b> W x D x H 244mm x 294mm x 71mm (9.6" x 11.6" x 2.8")
NET WEIGHT 1.9kg (4.19lbs)
INCLUDED ACCESSORIES AC Adaptor, Owner's manual, Technical Specifications
SOFTWARE APPLICATION Steinberg CUBASE AI No
Steinberg CUBASIS LE No
MG REC/PLAY (WAV) No
OPTIONAL ACCESSORIES BMS-10A Mic Stand Adaptor
OPERATING TEMPERATURE 0 to 40°C

#### **Featured Functions**

D-PRE MIC PREAMP	Yes
1-KNOB COMP	Yes
SPX DIGITAL EFFECTS	No

## **Electrical Specifications**

TOTAL HARMONIC	+14dBu (20Hz to 20kHz)	0.02%
DISTORTION	Gain knob: Min	
+24dBu (1kHz)		0.003%
	Gain knob: Min	
FREQUENCY RESPONSE		+0.5/-1.0dB (20Hz - 48kHz), refer to the nominal output level @1kHz, GAIN knob: Min
HUM & NOISE LEVEL	Equivalent input noise	-128 dBu (Mono Input Channel, Rs: 150Ω, Gain knob: Max)
	Residual output noise	-102 dBu (STEREO OUT, STEREO LEVEL knob: Min)
CROSSTALK	@ 1kHz	-83dB
INPUT CHANNEL	PAD	26dB
FUNCTION	HPH	80Hz, 12dB/oct (Mono)
	COMP	1 knob compressor
		Threshold: +22dBu to -8dBu, Ratio: 1:1 to 4:1
		Output level: 0dB to 7dB
		Attack time: approx. 25msec
		Release time: approx. 300msec
INPUT CHANNEL EQ	High	±15dB (10kHz shelving)
	Mid	±15dB (2.5kHz peaking)
	Low	±15dB (100Hz shelving)
LED LEVEL METER	Pre Monitor Level	2 x 7 points LED meter (PEAK, +10, +6, 0, -6, -10, -20dB)
PEAK LED		LED turns on when post EQ signal reaches 3dB below clipping level



Specifications 2/2

#### **Analog Input Characteristics**

INPUT TERMINAL	PAD 26dB		ACTUAL LOAD IMPEDANCE	FOR USE WITH NOMINAL	INPUT LEVEL			CONNECTOR
INFULTERIMINAL					Sensitivity*1	Nominal	Max. before clip	CUNNECTUR
MIC/LINE 1 – 4	OFF	+64 dB	- 3kΩ	50-600Ω Mics/Lines	-72 dBu (0.195 mV)	-60 dBu (0.775 mV)	-40 dBu (7.75 mV)	Combo - jack <sup>2</sup> (Balanced)
		+20 dB			-28 dBu (30.9 mV)	-16 dBu (122.8 mV)	+4 dBu (1.228 V)	
	ON	+38 dB			-46 dBu (3.884 mV)	-34 dBu (15.46 mV)	-14 dBu (154.6 mV)	
		-6 dB			-2 dBu (615.6 mV)	+10 dBu (2.451 V)	+30 dBu (24.51 V)	
LINE 5/6 – 7/8	-	- 10kΩ	10k0	600Ω	-22 dBu (61.56 mV)	-10 dBu (245.1 mV)	+10 dBu (2.451 V)	Phone jack*5 RCA Pin (Unbalanced)
LINE 9/10			10822	Lines				Phone jack*5 (Unbalanced)

#### **Analog Output Characteristics**

OUTPUT TERMINALS	ACTUAL SOURCE	FOR USE WITH NOMINAL	OUTPUT LEVEL		CONNECTOR
OUTFUT TERMINALS	IMPEDANCE		Nominal	Max. before clip	CONNECTOR
STEREO OUT [L, R]	75Ω	600Ω Lines +20dB	+4 dBu (1.228 V)	+24 dBu (12.28 V)	XLR-3-32*3 Phone jack*5 (Balanced)
MONITOR OUT [L, R], AUX SEND	150Ω	10kΩ Lines	+4 dBu (1.228 V)	+20 dBu (7.750 V)	Phone jack*4 (Impedance Balanced)
PHONES	110Ω	40Ω Phones	3mW+3mW	100mW+100mW	Stereo phone jack

0dBu is referenced to 0.775Vrms.

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

<sup>\*2 1&</sup>amp;Sleeve = GND, 2&Tip = HOT, 3&Ring = COLD

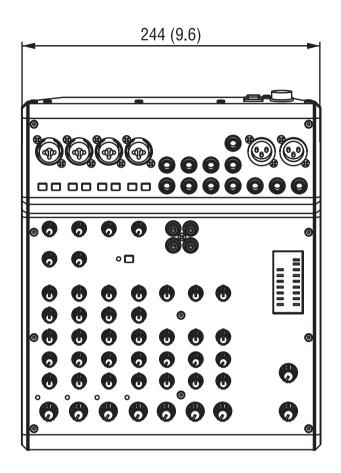
<sup>\*3 1 =</sup> GND, 2 = HOT, 3 = COLD

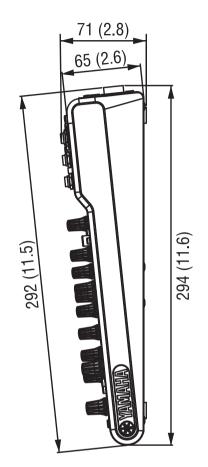
<sup>\*4</sup> Tip = HOT, Ring = COLD, Sleeve = GND

<sup>\*5</sup> Tip = Signal, Sleeve = GND



## **Dimensions**





Unit: mm (inch)

# **Options**

• Mic Stand Adaptor

BMS-10A

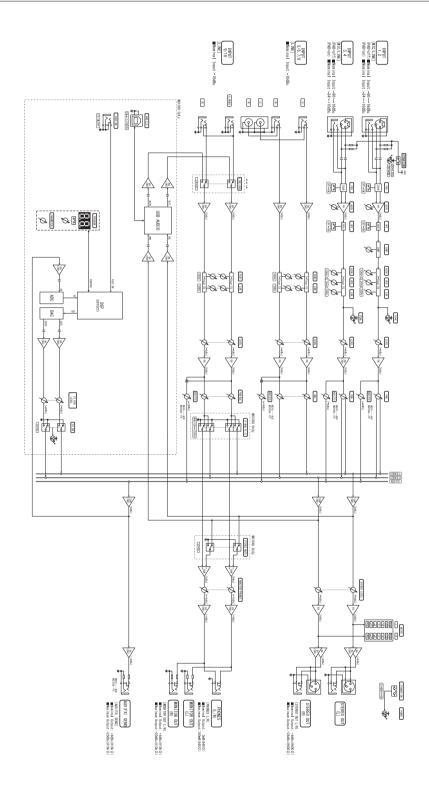


## **Architectural and Engineering Specifications**

The Yamaha MG10 Mixing Console shall be a versatile 10-channel mixer that is suitable for a wide range of users and applications. The MG10 shall have 10 line inputs (4 mono, 3 stereo) and 4 microphone inputs with 48-volt phantom power and a high-pass filter for each channel. Two stereo outputs, one monitor output, one auxiliary send, and one headphone output shall be provided. One stereo bus and one auxiliary bus shall be provided. The mixing console's microphone preamplifiers shall be discrete class-A "D-PRE" types for high sound quality. Yamaha's 1-knob compressors with LED indicators shall be included for easy compression control. The mixing console shall be robust and built into an impact-resistant powder-coated metal chassis. The mixing console shall be powered by a Yamaha PA10 AC adapter, or equivalent. Dimensions shall be 244 (W) x 294 (D) x 71 (H) mm (9.6" x 11.6" x 2.8"). Weight shall be 1.9 kg (4.19lbs).



## **Block Diagrams**



<sup>\*</sup>All information subject to change without notice.

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