

# MG10XU, MG10

## Mixing Consoles

D-PRE 1-knob Comp SPX DIGITAL REVERBERATION PROCESSOR 24-bit/192kHz CUBASE AI

D-PRE 1-knob Comp



Rear Panel



Rear Panel

## MG10XU

## MG10

- Max. 4 Mic / 10 Line Inputs (4 mono + 3 stereo)
- 1 Stereo Bus
- 1 AUX (incl. FX)
- "D-PRE" mic preamps with an inverted Darlington circuit
- 1-Knob compressors
- High-grade effects: SPX with 24 programs (MG10XU)
- 24-bit / 192kHz 2in / 2out USB Audio functions (MG10XU)
- Works with the iPad (2 or later) through the Apple iPad Camera Connection Kit / Lightning to USB Camera Adapter (MG10XU)
- Includes Cubase AI DAW software download version (MG10XU)
- PAD switch on mono inputs
- +48V phantom power
- XLR balanced outputs
- Metal chassis

### OPTION

BMS10A  
Mic Stand Adaptor



FC5  
Foot Switch  
for MG10XU



# MG10XU, MG10

## GENERAL SPECIFICATIONS

		MG10XU	MG10
<b>Frequency response</b>	Input to STEREO OUT	+0.5 dB/-1.0 dB (20 Hz to 48 kHz), refer to the nominal output level @ 1 kHz, GAIN knob: Min	
<b>Total harmonic distortion<sup>*1</sup></b>	Input to STEREO OUT	0.02 % @ +14dBu (20 Hz to 20kHz), GAIN knob: Min 0.003 % @ +24dBu (1kHz), GAIN knob: Min	
<b>Hum &amp; noise level<sup>*2</sup></b>	Equivalent input noise	-128 dBu (Mono Input Channel, Rs: 150 Ω, GAIN knob: Max)	
	Residual output noise	-102 dBu (STEREO OUT, STEREO LEVEL knob: Min)	
<b>Crosstalk (@1kHz)</b>		-83dB	
<b>Input channels</b>		10 channels: Mono [MIC/LINE]: 4, Stereo [LINE]: 3	
<b>Output channels</b>		STEREO OUT: 2, PHONES: 1, MONITOR OUT: 1, AUX (FX) SEND: 1	
<b>Bus</b>		Stereo: 1, AUX (FX): 1	
<b>Input channel function</b>	<b>PAD</b>	CH 1 - CH 4	26 dB
	<b>HPF</b>	CH 1 - CH 4	80 Hz, 12 dB/oct
	<b>COMP</b>	CH 1 - CH 2	1 knob compressor Threshold: +22 dBu to -8 dBu, Ratio: 1:1 to 4:1, Output level: 0 dB to 7 dB, Attack time: approx. 25 msec, Release time: approx. 300 msec
	<b>EQ</b>	CH 1 - CH 9/10	HIGH: Gain: +15 dB/-15 dB, Frequency: 10 kHz shelving
		CH 1 - CH 4	MID: Gain: +15 dB/-15 dB, Frequency: 2.5 kHz peaking
		CH 1 - CH 9/10	LOW: Gain: +15 dB/-15 dB, Frequency: 100 Hz shelving
	<b>PEAK LED</b>	CH 1 - CH 4	LED turns on when post EQ signal reaches 3 dB below clipping (+17 dBu)
<b>Level meter</b>	<b>Pre Monitor LEVEL</b>	2 x 7-segment LED meter [PEAK(+17), +10, +6, 0, -6, -10, -20 dB]	
<b>Internal digital effect</b>	<b>SPX algorithm</b>	24 programs	
<b>USB audio</b>	<b>2 IN / 2 OUT</b>	USB Audio Class 2.0 compliant, Sampling Frequency: Max 192 kHz, Bit Depth: 24-bit	
<b>Phantom power</b>		+48V	
<b>Power supply adaptor</b>		PA-10 (AC 38 VCT, 0.62A, Cable length = 3.6 m) or equivalent recommended by Yamaha	
<b>Power consumption</b>		22.9 W	
<b>Dimensions (W x H x D)</b>		244 x 71 x 294 mm (9.6" x 2.8" x 11.6")	
<b>Weight</b>		2.1kg (4.6 lbs.)	1.9kg (4.1 lbs.)
<b>Included accessory</b>		AC Adaptor, Cubase AI Download Information, Owner's Manual, Precautions, Technical Specifications	AC Adaptor, Owner's Manual, Precautions, Technical Specifications
<b>Optional accessory</b>		BMS-10A, FC5	BMS-10A
<b>Operating temperature</b>		0 to +40°C	

\*1 Total harmonic distortion is measured with a 18dB/Oct filter @80kHz.

\*2 Hum & noise level is measured with a 6dB/oct filter @12.7kHz; equivalent to 20kHz filter with infinite dB/Oct attenuation.

## ANALOG INPUT SPECIFICATIONS

Input terminal	Actual source impedance		For use with nominal	Input level			Connector	
	PAD	GAIN		Sensitivity <sup>*1</sup>	Nominal	Max. before clip		
MIC/LINE 1 - 4	0	+64dB	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)
		+20dB			-28 dBu (30.9 mV)	-16 dBu (123 mV)	+4 dBu (1.23 V)	
	26dB	+38dB			-46 dBu (3.88 mV)	-34 dBu (15.5 mV)	-14 dBu (155 mV)	
		-6dB			-2 dBu (616 mV)	+10 dBu (2.45 V)	+30 dBu (24.5 V)	
LINE 5/6, 7/8			10kΩ	600Ω Lines	-22 dBu (61.6 mV)	-10 dBu (245 mV)	+10 dBu (2.45 V)	Phone jack <sup>*3</sup> (Unbalanced)
LINE 9/10								Phone jack <sup>*3</sup> (Unbalanced)

\*1 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 knobs are maximum position).

\*2 1&Sleeve = GND, 2&Tip = HOT, 3&Ring = COLD

\*3 Tip = Signal, Sleeve = GND

## ANALOG OUTPUT SPECIFICATIONS

Output terminal	Actual source impedance	For use with nominal	Output Level		Connector
			Nominal	Max. before clip	
ST OUT [L,R]	75Ω	600Ω Lines	+4 dBu (1.23 V)	+24 dBu (12.3 V)	XLR3-32 type <sup>*1</sup> Phone jack <sup>*2</sup> (Balanced)
MONITOR OUT [L,R] AUX (FX) SEND	150Ω	10kΩ Lines	+4 dBu (1.23 V)	+20 dBu (7.75 V)	Phone jack <sup>*2</sup> (Impedance Balanced)
PHONES [L,R]	110Ω	40Ω Phones	3 mW + 3 mW	100 mW + 100 mW	ST Phone Jack

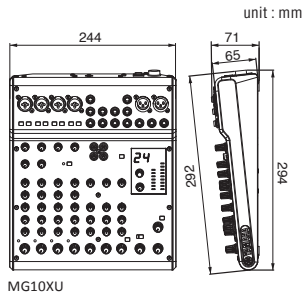
\*1 1 = GND, 2 = HOT, 3 = COLD

\*2 Tip = HOT, Ring = COLD, Sleeve = GND

## DIGITAL I/O SPECIFICATIONS (MG10XU)

Output Terminals	Format	Data Length	Fs	Connector
USB	USB Audio Class 2.0	16 / 24bit	44.1 kHz, 48 kHz, 88.2 kHz, 96 kHz, 176.4kHz, 192 kHz	USB Standard-B

## DIMENSIONS



## BLOCK DIAGRAM

