

MG12XU, MG12

Mixing Consoles

D-PRE 1-Knob Comp 24-bit/192kHz CUBASE AI



Rear Panel

MG12XU

D-PRE 1-Knob Comp



Rear Panel

MG12

- Max. 6 Mic / 12 Line Inputs (4 mono + 4 stereo)
- 2 GROUP Buses + 1 Stereo Bus
- 2 AUX (incl. FX)
- "D-PRE" mic preamps with an inverted Darlington circuit
- 1-Knob compressors
- High-grade effects: SPX with 24 programs (MG12XU)
- 24-bit / 192kHz 2in / 2out USB Audio functions (MG12XU)
- Works with the iPad (2 or later) through the Apple iPad Camera Connection Kit / Lightning to USB Camera Adapter (MG12XU)
- Includes Cubase AI DAW software download version (MG12XU)
- PAD switch on mono inputs
- +48V phantom power
- XLR balanced outputs
- Internal universal power supply for world-wide use
- Optional Rack Mount Kit RK-MG12 Available
- Metal chassis

OPTION

RK-MG12
Rack Mount Kit



FC5
Foot Switch
for MG12XU



MG12XU, MG12

GENERAL SPECIFICATIONS

		MG12XU	MG12
Frequency response	Input to STEREO OUT	+0.5 dB/-1.5 dB (20 Hz to 48 kHz), refer to the nominal output level @ 1 kHz, GAIN knob: Min	
Total harmonic distortion ^{*1}	Input to STEREO OUT	0.03 % @ +14dBu (20 Hz to 20kHz), GAIN knob: Min	
		0.005 % @ +24dBu (1kHz), GAIN knob: Min	
Hum & noise level ^{*2} (20Hz to 20kHz)	Equivalent input noise	-128 dBu (Mono Input Channel, Rs: 150 Ω, GAIN knob: Max)	
	Residual output noise	-102 dBu (STEREO OUT, STEREO master fader: Min)	
Crosstalk (@1kHz)		-78dB	
Input channels		12 channels: Mono [MIC/LINE]: 4, Mono/Stereo [MIC/LINE]: 2, Stereo [LINE]: 2	
Output channels		STEREO OUT: 2, PHONES: 1, MONITOR OUT: 1, AUX SEND: 2, GROUP OUT: 2	
Bus		STEREO: 1, GROUP: 2, AUX: 2 (MG12XU: incl. FX)	
Input channel function	PAD	CH 1 - CH 4	26 dB
	HPF	CH 1 - CH 4, CH 5/6 (MIC), CH 7/8 (MIC)	80 Hz, 12 dB/oct
	COMP	CH 1 - CH 4	1 knob compressor (Gain/Threshold/Ratio) 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
	EQ	CH 1 - CH 7/8	HIGH: Gain: +15 dB/-15 dB, Frequency: 10 kHz shelving MID: Gain: +15 dB/-15 dB, Frequency: 2.5 kHz peaking LOW: Gain: +15 dB/-15 dB, Frequency: 100 Hz shelving
		CH 9/10, CH 11/12	HIGH: Gain: +15 dB/-15 dB, Frequency: 10 kHz shelving LOW: Gain: +15 dB/-15 dB, Frequency: 100 Hz shelving
PEAK LED	CH 1 - CH 7/8	LED turns on when post EQ signal reaches 3 dB below clipping level	
Level meter	Pre Monitor LEVEL	2 x 12 -segment LED meter (PEAK, +10, +6, +3, 0, -3, -6, -10, -15, -20, -25, -30 dB)	
Internal digital effect	SPX algorithm	24 programs, PARAMETER control: 1, FOOT SW: 1 (FX RTN CH on/off)	
Usb audio	2 IN / 2 OUT	USB Audio Class 2.0 compliant, Sampling Frequency: Max 192 kHz, Bit Depth: 24-bit	
Phantom power		+48V	
Power requirements		AC 100-240 V, 50 Hz/60 Hz	
Power consumption		22 W	
Dimensions (W x H x D)		308 x 118 x 422 mm (9.6" x 2.8" x 11.6")	
Weight		4.2kg (9.3 lbs.),	4.0kg (8.8 lbs.)
Included accessory		AC power cord, Cubase AI Download Information, Owner's Manual, Technical Specifications	AC power cord, Owner's Manual, Technical Specifications
Optional accessory		RK-MG12, FC5	
Operating temperature		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	PAD	GAIN	Actual source impedance	For use with nominal	Input level			Connector
					Sensitivity ^{*1}	Nominal	Max. before clip	
MIC/LINE 1 - 4	0	+64dB	3kΩ	50-600Ω Mics/ Lines	-80 dBu (0.078 mV)	-60 dBu (0.775 mV)	-40 dBu (7.75 mV)	Combo jack ^{*2} (Balanced)
		+20dB			-36 dBu (12.3 mV)	-16 dBu (123 mV)	+4 dBu (1.23 V)	
	26dB	+38dB			-54 dBu (1.55 mV)	-34 dBu (15.5 mV)	-14 dBu (155 mV)	
		-6dB			-10 dBu (245 mV)	+10 dBu (2.45 V)	+30 dBu (24.5 V)	
MIC 5/6, 7/8		+64dB	3kΩ	50-600Ω Mics	-80 dBu (0.078 mV)	-60 dBu (0.775 mV)	-40 dBu (7.75 mV)	XLR-3-31 type ^{*3} (Balanced)
		+20dB			-36 dBu (12.3 mV)	-16 dBu (123 mV)	+4 dBu (1.23 V)	
LINE 5/6, 7/8		+38dB	10kΩ	600Ω Lines	-54 dBu (1.55 mV)	-34 dBu (15.5 mV)	-14 dBu (155 mV)	Phone jack ^{*4} (Unbalanced)
		-6dB			-10 dBu (245 mV)	+10 dBu (2.45 V)	+30 dBu (24.5 V)	
LINE 9/10, 11/12			10kΩ	600Ω Lines	-30 dBu (24.5 mV)	-10 dBu (2.45 V)	+10 dBu (2.45 V)	Phone jack ^{*4} RCA pin jack (Unbalanced)

*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 controls are at their maximum position.)

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

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

*4 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 ^{*3} Phone jack ^{*5} (Balanced)
MONITOR OUT [L, R] GROUP OUT [1 - 2] AUX SEND [1 - 2]	150Ω	10kΩ Lines	+4 dBu (1.23 V)	+20 dBu (7.75 V)	Phone jack ^{*5} (Impedance Balanced)
PHONES [L, R]	110Ω	40Ω Phones	3 mW + 3 mW	100 mW + 100 mW	ST Phone Jack

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

*5 Tip = HOT, Ring = COLD, Sleeve = GND

DIGITAL I/O SPECIFICATIONS (MG12XU)

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



