

MG166C-USB, MG166CX-USB, MG206C-USB

Mixing Consoles



MG166C-USB

MG166CX-USB

MG206C-USB

These versatile analog mixers feature digital bus connectivity for direct digital recording with the supplied Cubase AI4 software.

- 16 or 20 inputs in remarkably lightweight, portable designs.
- The supplied Cubase AI4 software communicates directly with the stereo buses via USB for audio recording and editing, and features a range of MIDI sequencing capabilities, an entire suite of VST effect plug-ins, and a HALion One sample player with selected waves from the famed Yamaha Motif synthesizers.
- Innovative Yamaha one-knob compressor.
- MG166CX-USB features a built-in digital SPX multi-effect processor.
- High-quality Neutrik™ balanced XLR connectors on mono microphone/line channels and XLR-equipped stereo channels.
- Top-mounted input and output connectors for easy setup and re-patching.
- High-performance microphone preamplifiers with switchable phantom power.
- 3-band mid-sweep and high-pass filters.
- Smooth 60-millimeter faders & illuminated channel ON switches.
- Main stereo bus plus two additional stereo group buses and outputs for convenient channel grouping.
- AUX sends with master send controls for convenient processing and monitoring.
- Return level controls for the AUX and STEREO buses.
- Bright meters for visual level monitoring.
- Rack mountable.

OPTIONS

FC5

Foot Switch

for MG166CX-USB



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GENERAL SPECIFICATIONS

	MG206C-USB	MG166CX-USB	MG166C-USB
USB Audio	Input / Output: 44.1 / 48Hz		
Mic/Line inputs	16	10	
Line inputs	12 mono + 4 stereo	8 mono + 4 stereo	
Mixer input channels	20	16	
Group buses	4	4	
AUX buses	4	3	
Main buses	Stereo	Stereo	
Total harmonic distortion (THD+N)	Less than 0.1%, 20Hz-20kHz		
Frequency response	0, +1, -3dB , 20Hz-20kHz		
Hum and noise level	Equivalent input noise (EIN): -128dBu Residual output noise: -98dBu		
Crosstalk (@1kHz)	-70dB		
Power supply adaptor	PA-30 AC adaptor (AC35VCT, 1.4A) 100V, 120V, 220V, 230V or 240V; 50/60Hz		
Power consumption	40W	35W	30W
Dimensions (W x H x D)	478 x 105 [102: MG206C-USB] x 496mm (18.8" x 4.1" [4.0: MG206C-USB] x 19.5") 478 x 105 (102: MG206C-USB) x 496mm		
Net weight	6.0kg (13.2lbs)	5.5kg (12.1lbs)	5.3kg (11.7lbs)

- Hum and noise are measured with a 6dB/octave filter @12.7kHz; equivalent to a 20kHz filter with infinite dB/octave attenuation.

INPUT SPECIFICATIONS

Terminal	Gain	Actual Load Impedance	For Use With Nominal	Input Level			Connector
				Sensitivity	Nominal	Max. Before Clip	
MG166C-USB, MG166CX-USB							
CH IN MIC (1-8)	-60dB -16dB	3kΩ	50-600Ω Mics	-80dBu -36dBu	-60dBu -16dBu	-40dBu +4dBu	XLR-3-31 type*
CH IN LINE (1-8)	-34dB +10dB	10kΩ	600Ω Lines	-54dBu -10dBu	-34dBu +10dBu	-14dBu +30dBu	TRS phone jack*
ST CH MIC IN (9/10, 11/12)	-60dB -16dB	3kΩ	50-600Ω Mics	-80dBu -36dBu	-60dBu -16dBu	-40dBu -6dBu	XLR-3-31 type*
ST CH LINE IN (9/10, 11/12)	-34dB +10dB	10kΩ	600Ω Lines	-54dBu -10dBu	-34dBu +10dBu	-14dBu +30dBu	Phone jack**
ST CH IN (13/14, 15/16)	-	10kΩ	600Ω Lines	-30dBu	-10dBu	+10dBu	Phone jack** RCA pin jack
CH INSERT IN (1-8)	-	10kΩ	600Ω Lines	-20dBu	0dBu	+20dBu	TRS phone jack*
RETURN [L,R]	-	10kΩ	600Ω Lines	-12dBu	+4dBu	+24dBu	Phone jack**
2TR IN [L,R]	-	10kΩ	600Ω Lines	-26dBV	-10dBV	+10dBV	RCA pin jack**
USB	-	-	-	-	-	-	USB B type
MG206C-USB							
CH IN MIC (1-12)	-60dB -16dB	3kΩ	50-600Ω Mics	-80dBu -36dBu	-60dBu -16dBu	-40dBu +4dBu	XLR-3-31 type*
CH IN LINE (1-12)	-34dB +10dB	10kΩ	600Ω Lines	-54dBu -10dBu	-34dBu +10dBu	-14dBu +30dBu	TRS phone jack*
ST CH MIC IN (13/14-19/20)	-60dB -16dB	3kΩ	50-600Ω Mics	-80dBu -36dBu	-60dBu -16dBu	-40dBu -6dBu	XLR-3-31 type*
ST CH LINE IN (13/14, 15/16)	-34dB +10dB	10kΩ	600Ω Lines	-54dBu -10dBu	-34dBu +10dBu	-14dBu +30dBu	Phone jack**
ST CH LINE IN (17/18, 19/20)	-34dB +10dB	10kΩ 10kΩ	600Ω Lines 600Ω Lines	-54dBu -10dBu	-34dBu +10dBu	-14dBu +30dBu	Phone jack** Phone jack** RCA pin jack**
CH INSERT IN (1-12)	-	10kΩ	600Ω Lines	-20dBu	0dBu	+20dBu	TRS phone jack*
RETURN [L,R]	-	10kΩ	600Ω Lines	-12dBu	+4dBu	+24dBu	Phone jack**
2TR IN [L,R]	-	10kΩ	600Ω Lines	-26dBV	-10dBV	+10dBV	RCA pin jack**
USB	-	-	-	-	-	-	USB B type

- Sensitivity is the lowest level that will produce the nominal output level when the unit is set to maximum level.
- 0dBu : 0.775Vrms; -0dBV : 1Vrms.
- * : Balanced; ** : Unbalanced

OUTPUT SPECIFICATIONS

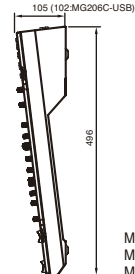
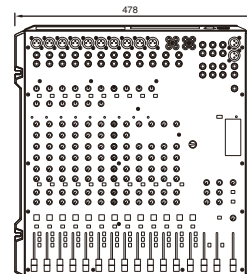
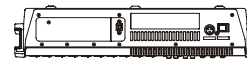
Terminal	Actual Source Impedance	For Use With Nominal	Output Level		Connector
			Nominal	Max. before Clip	
MG166C-USB, MG166CX-USB					
STEREO OUT [L,R]	75Ω	600Ω Lines	+4dBu	+24dBu	XLR 3-32 type* Phone jack (TRS)*
GROUP OUT [1-4]	150Ω	10kΩ Lines	+4dBu	+20dBu	Phone jack (TRS)***
AUX SEND (1-3, EFFECT SEND)	150Ω	10kΩ Lines	+4dBu	+20dBu	Phone jack (TRS)***
CH INSERT OUT (1-8)	75Ω	10kΩ Lines	0dBu	+20dBu	TRS phone jack**
REC OUT [L, R]	600Ω	10kΩ Lines	-10dBV	+10dBV	RCA pin jack **
MONITOR OUT [L, R]	150Ω	10kΩ Lines	+4dBu	+20dBu	TRS phone jack*
PHONES OUT	100Ω	40kΩ Lines	3mW	75mW	Stereo phone jack**
USB	-	-	-	-	USB B type

- AUX SEND 3 exists only in MG166C-USB.
- EFFECT SEND exists only in MG166CX-USB.
- 0dBu : 0.775Vrms; -0dBV : 1Vrms.
- * : Balanced; ** : Unbalanced; *** : Impedance balanced

MG206C-USB					
STEREO OUT [L,R]	75 Ω	600 Ω Lines	+4dBu	+24dBu	XLR 3-32 type* Phone jack*
GROUP OUT [1-4]	150 Ω	10k Ω Lines	+4dBu	+20dBu	TRS phone jack***
AUX SEND (1-4)	150 Ω	10k Ω Lines	+4dBu	+20dBu	TRS phone jack***
CH INSERT OUT (1-12)	75 Ω	10k Ω Lines	0dBu	+20dBu	TRS phone jack**
REC OUT [L, R]	600 Ω	10k Ω Lines	-10dBV	+10dBV	RCA pin jack**
MONITOR OUT [L, R]	150 Ω	10k Ω Lines	+4dBu	+20dBu	TRS phone jack***
PHONES OUT	100 Ω	40k Ω Lines	3mW	75mW	Stereo phone jack**
USB	-	-	-	-	USB B type

- 0dBu : 0.775Vrms; -0dBV : 1Vrms.
- * : Balanced; ** : Unbalanced; *** : Impedance balanced

DIMENSIONS



MG166C, MG166CX, MG206C,
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unit : mm