

MG206C-USB, MG166CX-USB, MG166C-USB

Mixing Consoles



MG206C-USB MG166CX-USB MG166C-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.

OPTION

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**1 (THD+N)	Less than 0.1%, 20Hz-20kHz		
Frequency response	0, +1, -3dB, 20Hz-20kHz		
Hum & noise level**2	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)

*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

INPUT SPECIFICATIONS

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

OUTPUT SPECIFICATIONS

Terminal	Actual Source Impedance	For Use With Nominal	Output Level		Connector
			Nominal	Max. before Clip	
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

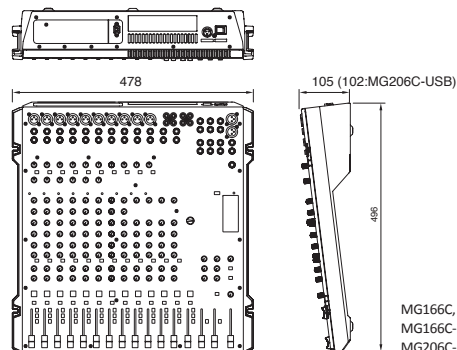
*** : Impedance balanced

MG166C-USB, MG166CX-USB					
STEREO OUT [L,R]	75 Ω	600 Ω Lines	+4dBu	+24dBu	XLR 3-32 type* TRS Phone jack*
GROUP OUT [1-4]	150 Ω	10k Ω Lines	+4dBu	+20dBu	TRS Phone jack***
AUX SEND (1-3, EFFECT SEND)	150 Ω	10k Ω Lines	+4dBu	+20dBu	TRS Phone jack***
CH INSERT OUT (1-8)	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

*** : Impedance balanced

DIMENSIONS

unit : mm



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