

# 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
<b>USB Audio</b>	Input / Output: 44.1 / 48kHz		
<b>Mic/Line inputs</b>	16		10
<b>Line inputs</b>	12 mono + 4 stereo		8 mono + 4 stereo
<b>Mixer input channels</b>	20		16
<b>Group buses</b>	4		4
<b>AUX buses</b>	4		3
<b>Main buses</b>	Stereo		Stereo
<b>Total harmonic distortion**1 (THD+N)</b>	Less than 0.1%, 20Hz-20kHz		
<b>Frequency response</b>	0, +1, -3dB, 20Hz-20kHz		
<b>Hum &amp; noise level**2</b>	Equivalent input noise (EIN): -128dBu Residual output noise: -98dBu		
<b>Crosstalk (@1kHz)</b>	-70dB		
<b>Power supply adaptor</b>	PA-30 AC adaptor (AC35VCT, 1.4A) 100V, 120V, 220V, 230V or 240V; 50/60Hz		
<b>Power consumption</b>	40W	35W	30W
<b>Dimensions (W x H x D)</b>	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		
<b>Net weight</b>	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	
<b>MG206C-USB</b>							
CH IN MIC (1-12)	-60dB	3kΩ	50-600Ω Mics	-80dBu	-60dBu	-40dBu	XLR-3-31 type*
	-16dB			-36dBu	-16dBu	+4dBu	
CH IN LINE (1-12)	-34dB	10kΩ	600Ω Lines	-54dBu	-34dBu	-14dBu	TRS phone jack*
	+10dB			-10dBu	+10dBu	+30dBu	
ST CH MIC IN (13/14-19/20)	-60dB	3kΩ	50-600Ω Mics	-80dBu	-60dBu	-40dBu	XLR-3-31 type*
	-16dB			-36dBu	-16dBu	-6dBu	
ST CH LINE IN (13/14, 15/16)	-34dB	10kΩ	600Ω Lines	-54dBu	-34dBu	-14dBu	Phone jack**
	+10dB			-10dBu	+10dBu	+30dBu	
ST CH LINE IN (17/18, 19/20)	-34dB	10kΩ	600Ω Lines	-54dBu	-34dBu	-14dBu	Phone jack** RCA pin jack**
	+10dB			-10dBu	+10dBu	+30dBu	
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
<b>MG166C-USB, MG166CX-USB</b>							
CH IN MIC (1-8)	-60dB	3kΩ	50-600Ω Mics	-80dBu	-60dBu	-40dBu	XLR-3-31 type*
	-16dB			-36dBu	-16dBu	+4dBu	
CH IN LINE (1-8)	-34dB	10kΩ	600Ω Lines	-54dBu	-34dBu	-14dBu	TRS phone jack*
	+10dB			-10dBu	+10dBu	+30dBu	
ST CH MIC IN (9/10, 11/12)	-60dB	3kΩ	50-600Ω Mics	-80dBu	-60dBu	-40dBu	XLR-3-31 type*
	-16dB			-36dBu	-16dBu	-6dBu	
ST CH LINE IN (9/10, 11/12)	-34dB	10kΩ	600Ω Lines	-54dBu	-34dBu	-14dBu	Phone jack**
	+10dB			-10dBu	+10dBu	+30dBu	
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

Sensitivity is the lowest level that will produce the nominal output level when the unit is set to maximum level.

## OUTPUT SPECIFICATIONS

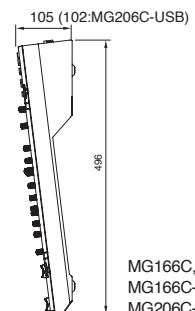
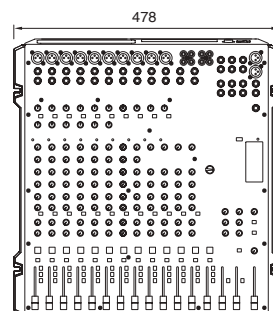
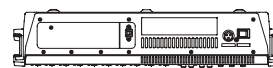
Terminal	Actual Source Impedance	For Use With Nominal	Output Level		Connector
			Nominal	Max. before Clip	
<b>MG206C-USB</b>					
STEREO OUT [L,R]	75Ω	600Ω Lines	+4dBu	+24dBu	XLR 3-32 type* Phone jack*
GROUP OUT [1-4]	150Ω	10kΩ Lines	+4dBu	+20dBu	TRS phone jack***
AUX SEND (1-4)	150Ω	10kΩ Lines	+4dBu	+20dBu	TRS phone jack***
CH INSERT OUT (1-12)	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

\*\*\* : Impedance balanced

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

\*\*\* : Impedance balanced

## DIMENSIONS



unit : mm  
MG166C, MG166CX, MG206C,  
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