

MG206C, MG166C, MG124C, MG102C

Mixing Consoles



1-knob
Comp 12U

MG206C



1-knob
Comp 12U

MG166C



1-knob
Comp

MG124C



1-knob
Comp

MG102C

A selection of lightweight, portable mixing consoles featuring Yamaha's one-knob compressor for advanced sonic control.

- 10, 12, 16, or 20 inputs in remarkably lightweight, portable designs.
- Yamaha's innovative one-knob compressor lets you easily dial in the amount of compression you need.
- 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 channel EQ and high-pass filters (sweepable midrange on the MG206C, MG166C).
- Smooth 60-millimeter faders & illuminated channel ON switches (MG206C, MG166C, MG124C).
- The MG102C has a single stereo bus (i.e. two mono buses), while all other models feature one or 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.
- Optional microphone stand mount available for the MG102C.
- MG206C, MG166C rack mountable.

OPTION

BMS10A
Mic Stand Adaptor
for MG102C



MG206C, MG166C, MG124C, MG102C

GENERAL SPECIFICATIONS

	MG206C	MG166C	MG124C	MG102C
Mic/Line inputs	16	10	6	4
Line inputs	12 mono + 4 stereo	8 mono + 4 stereo	4 mono + 4 stereo	2 mono + 4 stereo
Mixer input channels	20	16	12	10
Group buses	4	4	2	-
AUX buses	4	3	2	2
Main buses	Stereo	Stereo	Stereo	Stereo
Total harmonic distortion*1 (THD+N)	Less than 0.1%, 20Hz-20kHz			
Frequency response	0, +1, -3dB, 20Hz-20kHz			
Hum and noise level*2	Equivalent input noise (EIN): -128dBu Residual output noise: -98dBu			Equivalent input noise (EIN): -128dBu Residual output noise: -100dBu
Crosstalk (@1kHz)	-70dB			
Power supply adaptor	PA-30 AC adaptor (AC35VCT, 1.4A) 100V, 120V, 220V, 230V or 240V; 50/60Hz	PA-30 AC adaptor (AC35VCT, 1.4A) 100V, 120V, 220V, 230V or 240V; 50/60Hz	PA-20 AC adaptor (AC35VCT, 0.94A) 100V, 120V, 220V, 230V or 240V; 50/60Hz	PA-10 AC adaptor (AC38VCT, 0.62A) 100V, 120V, 220V, 230V or 240V; 50/60Hz
Power consumption	40W	30W	30W	21W
Dimensions (W x H x D)	478 x 102 x 496mm (18.8" x 4.0" x 19.5")	478 x 105 x 496mm (18.8" x 4.1" x 19.5")	346.2 x 86.1 x 436.6mm (13.6" x 3.4" x 17.2")	256.6 x 62.2 x 302.5mm (10.1" x 2.5" x 11.9")
Net weight	6.0kg (13.2lbs)	5.3kg (11.7lbs)	3.0kg (6.6lbs)	1.5kg (3.3lbs)

*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							
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** 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	50-600Ω Mics	-12dBu	+4dBu	+24dBu	Phone jack**
2TR IN [L,R]	-	10kΩ	600Ω Lines	-26dBV	-10dBV	+10dBV	RCA pin jack**
MG166C							
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**
MG124C							
CH IN MIC (1-4)	-60dB	3kΩ	50-600Ω Mics	-80dBu	-60dBu	-40dBu	XLR-3-31 type*
	-16dB			-36dBu	-16dBu	+4dBu	
CH IN LINE (1-4)	-34dB	10kΩ	600Ω Lines	-54dBu	-34dBu	-14dBu	TRS Phone jack*
	+10dB			-10dBu	+10dBu	+30dBu	
ST CH MIC IN (5/6, 7/8)	-60dB	3kΩ	50-600Ω Mics	-80dBu	-60dBu	-40dBu	TRS Phone jack*
	-16dB			-36dBu	-16dBu	-6dBu	
ST CH LINE IN (5/6, 7/8)	-34dB	10kΩ	600Ω Lines	-54dBu	-34dBu	-14dBu	Phone jack**
	+10dB			-10dBu	+10dBu	+30dBu	
ST CH IN (9/10, 11/12)	-	10kΩ	600Ω Lines	-30dBu	-10dBu	+10dBu	Phone jack** RCA pin jack**
CH INSERT IN (1-4)	-	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**
MG102C							
CH IN MIC (1, 2)	-60dB	3kΩ	50-600Ω Mics	-72dBu	-60dBu	-40dBu	XLR-3-31 type*
	-16dB			-28dBu	-16dBu	+4dBu	
CH IN LINE (1, 2)	-34dB	10kΩ	600Ω Lines	-46dBu	-34dBu	-14dBu	TRS Phone jack*
	+10dB			-2dBu	+10dBu	+30dBu	
ST CH MIC IN (3/4, 5/6)	-60dB	3kΩ	50-600Ω Mics	-72dBu	-60dBu	-40dBu	XLR-3-31 type*
	-16dB			-28dBu	-16dBu	-6dBu	
ST CH LINE IN (3/4, 5/6)	-34dB	10kΩ	600Ω Lines	-46dBu	-34dBu	-14dBu	Phone jack**
	+10dB			-2dBu	+10dBu	+30dBu	
ST CH IN (7/8, 9/10)	-	10kΩ	600Ω Lines	-22dBu	-10dBu	+10dBu	Phone jack** RCA pin jack**
CH INSERT IN (1, 2)	-	10kΩ	600Ω Lines	-12dBu	0dBu	+20dBu	TRS Phone jack**
RETURN [L,R]	-	10kΩ	600Ω Lines	-8dBu	+4dBu	+24dBu	Phone jack**
2TR IN [L,R]	-	10kΩ	600Ω Lines	-22dBV	-10dBV	+10dBV	RCA pin jack**

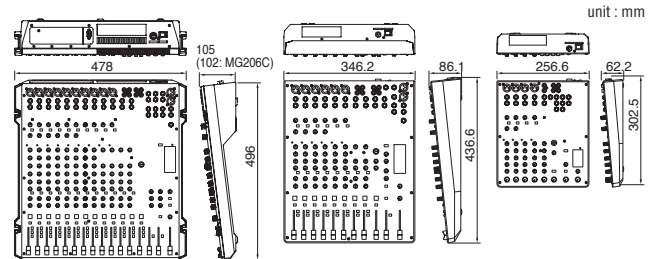
Sensitivity is the lowest level that will produce the nominal output level when the unit is set to maximum level.

OUTPUT SPECIFICATIONS

Terminal	Actual Source Impedance	For Use With Nominal	Output Level		Connector
			Nominal	Max. before Clip	
MG206C					
STEREO OUT [L,R]	75Ω	600Ω Lines	+4dBu	+24dBu	XLR 3-32 type* Phone jack**
GROUP OUT [1-4]	150Ω	10kΩ Lines	+4dBu	+20dBu	Phone jack (TRS)***
AUX SEND (1-4)	150Ω	10kΩ Lines	+4dBu	+20dBu	Phone jack (TRS)***
CH INSERT OUT (1-12)	75Ω	10kΩ Lines	0dBu	+20dBu	Phone jack (TRS)***
REC OUT [L, R]	600Ω	10kΩ Lines	-10dBV	+10dBV	RCA pin jack**
MONITOR OUT [L, R]	150Ω	10kΩ Lines	+4dBu	+20dBu	Phone jack (TRS)***
PHONES OUT	100Ω	40kΩ Lines	3mW	75mW	Stereo phone jack**
MG166C					
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)	150Ω	10kΩ Lines	+4dBu	+20dBu	Phone jack (TRS)***
CH INSERT OUT (1-8)	75Ω	10kΩ Lines	0dBu	+20dBu	Phone jack (TRS)***
REC OUT [L, R]	600Ω	10kΩ Lines	-10dBV	+10dBV	RCA pin jack**
MONITOR OUT [L, R]	150Ω	10kΩ Lines	+4dBu	+20dBu	Phone jack (TRS)*
PHONES OUT	100Ω	40kΩ Lines	3mW	75mW	Stereo phone jack**
MG124C					
STEREO OUT [L, R]	75Ω	600Ω Lines	+4dBu	+24dBu	XLR 3-32 type* Phone jack (TRS)**
GROUP OUT [1, 2]	150Ω	10kΩ Lines	+4dBu	+20dBu	Phone jack (TRS)***
AUX SEND (1, 2)	150Ω	10kΩ Lines	+4dBu	+20dBu	Phone jack (TRS)***
CH INSERT OUT (1-4)	75Ω	10kΩ Lines	0dBu	+20dBu	Phone jack**
REC OUT [L, R]	600Ω	10kΩ Lines	-10dBV	+10dBV	RCA pin jack**
MONITOR OUT [L, R]	150Ω	10kΩ Lines	+4dBu	+20dBu	Phone jack (TRS)***
PHONES OUT	100Ω	40kΩ Lines	3mW	75mW	Stereo phone jack**
MG102C					
STEREO OUT [L,R]	150Ω	10kΩ Lines	+4dBu	+20dBu	Phone jack (TRS)***
AUX SEND	150Ω	10kΩ Lines	+4dBu	+20dBu	Phone jack (TRS)***
CH INSERT OUT (1-2)	75Ω	10kΩ Lines	0dBu	+20dBu	Phone jack (TRS)***
REC OUT [L, R]	600Ω	10kΩ Lines	-10dBV	+10dBV	RCA pin jack**
MONITOR OUT [L, R]	150Ω	10kΩ Lines	+4dBu	+20dBu	Phone jack***
PHONES OUT	100Ω	40kΩ Lines	3mW	75mW	Stereo phone jack**

*** : Impedance balanced

DIMENSIONS



MG166C, MG166CX, MG206C,
MG166C-USB, MG166CX-USB,
MG206C-USB

MG124C, MG124CX

MG102C, MG82CX