

MG166CX, MG124CX, MG82CX

Mixing Consoles



MG166CX



MG124CX



MG82CX

Yamaha's one-knob compressor and built-in SPX effects give these mixers refined creative control.

- 8, 12, or 16 inputs in remarkably lightweight, portable designs.
- Yamaha's innovative one-knob compressor lets you easily dial in the amount of compression you need.
- Built-in digital SPX multi-effect processor.
- All models feature 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 MG166CX).
- Smooth 60-millimeter faders & illuminated channel ON switches.
- The MG82CX has a single stereo bus (i.e. two mono buses), while the 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 MG82CX.
- MG166CX rack mountable.

OPTION

BMS10A
Mic Stand Adaptor
for MG82C



FC5
Foot Switch



MG166CX, MG124CX, MG82CX

GENERAL SPECIFICATIONS

	MG166CX	MG124CX	MG82CX
Mic/Line inputs	10	6	4
Line inputs	8 mono + 4 stereo	4 mono + 4 stereo	2 mono + 3 stereo
Mixer input channels	16	12	8
Group buses	4	2	-
AUX buses	3 (Incl. 1x Effect send)	2 (Incl. 1x Effect send)	1 (Effect send)
Main buses	Stereo	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		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-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	35W	30W	21W
Dimensions (W x H x D)	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	5.5kg (12.1lbs)	3.2kg (7.0lbs)	1.6kg (3.5lbs)
Accessories	Owners manual, AC adaptor		

*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	
MG166CX							
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**
MG124CX							
CH IN MIC (1-4)	-60dB -16dB	3kΩ	50-600Ω Mics	-80dBu -36dBu	-60dBu -16dBu	-40dBu +4dBu	XLR-3-31 type*
CH IN LINE (1-4)	-34dB +10dB	10kΩ	600Ω Lines	-54dBu -10dBu	-34dBu +10dBu	-14dBu +30dBu	TRS Phone jack**
ST CH MIC IN (5/6,7/8)	-60dB -16dB	3kΩ	50-600Ω Mics	-80dBu -36dBu	-60dBu -16dBu	-40dBu -6dBu	XLR-3-31 type*
ST CH LINE IN (5/6,7/8)	-34dB +10dB	10kΩ	600Ω Lines	-54dBu -10dBu	-34dBu +10dBu	-14dBu +30dBu	Phone jack**
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**
MG82CX							
CH IN MIC (1, 2)	-60dB -16dB	3kΩ	50-600Ω Mics	-72dBu -28dBu	-60dBu -16dBu	-40dBu +4dBu	XLR-3-31 type*
CH IN LINE (1, 2)	-34dB +10dB	10kΩ	600Ω Lines	-46dBu -2dBu	-34dBu +10dBu	-14dBu +30dBu	TRS Phone jack**
ST CH MIC IN (3/4, 5/6)	-60dB -16dB	3kΩ	50-600Ω Mics	-72dBu -28dBu	-60dBu -16dBu	-40dBu -6dBu	XLR-3-31 type*
ST CH LINE IN (3/4, 5/6)	-34dB +10dB	10kΩ	600Ω Lines	-46dBu -2dBu	-34dBu +10dBu	-14dBu +30dBu	Phone jack**
ST CH IN (7/8)	-	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**

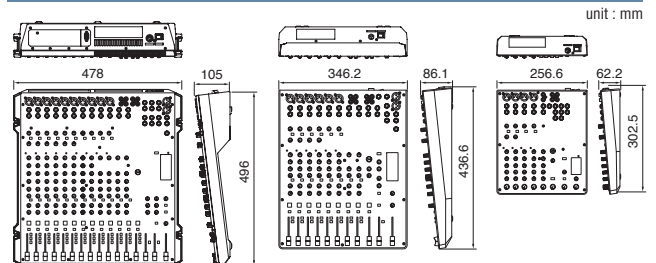
Sensitivity is the lowest level that will produce the nominal output level when the unit is set to maximum level.

OUTPUT SPECIFICATIONS

Terminal	Actual Source Impedance	For Use With Nominal	Output Level		Connector
			Nominal	Max. before Clip	
MG166CX					
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, 2)	150Ω	10kΩ Lines	+4dBu	+20dBu	TRS Phone jack***
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**
MG124CX					
STEREO OUT [L, R]	75Ω	600Ω Lines	+4dBu	+24dBu	XLR 3-32 type* TRS Phone jack**
GROUP OUT [1, 2]	150Ω	10kΩ Lines	+4dBu	+20dBu	TRS Phone jack***
AUX SEND	150Ω	10kΩ Lines	+4dBu	+20dBu	TRS Phone jack***
EFFECT SEND	150Ω	10kΩ Lines	+4dBu	+20dBu	TRS Phone jack***
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	TRS Phone jack***
PHONES OUT	100Ω	40kΩ Lines	3mW	75mW	Stereo phone jack**
MG82CX					
STEREO OUT [L,R]	150Ω	10kΩ Lines	+4dBu	+20dBu	TRS Phone jack***
EFFECT SEND	150Ω	10kΩ Lines	+4dBu	+20dBu	TRS Phone jack***
CH INSERT OUT (1-2)	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	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