



PMX 12

TECHNICAL SPECIFICATIONS





ACOUSTICAL SPECIFICATIONS

Operating frequency range	60 Hz – 20 000 Hz
Number of ways	2
Horizontal coverage	80°
Vertical coverage	80°
Maximum SPL (*)	131 dB (*) Peak level at 1-meter under free field conditions using 12 dB crest factor pink noise
Presets	99 user-definable presets

TECHNICAL SPECIFICATIONS

Transducer (HF)	1 x 3-inch (*) driver with coaxial load	(*) Voice Coil Diameter
Transducer (LMF)	1 x 12-inch vented speaker	
RMS capacity (HF)	400 W @ 8 Ω, Class-D	
RMS capacity (LMF)	1500 W @ 8 Ω, Class-D	
Crossover type	DSP	
Crossover frequencies	1 200 Hz	

AUDIO PERFORMANCE

THD + N 20 Hz - 20 kHz for 1 W	< 0.05 %
THD + N at 1 kHz and 1 dB below clipping	< 0.04 %
Input impedance	Balanced > 10kΩ
Dynamic range	> 118 dB
Processing	64-bit floating-point processing resolution
A to D conversion	24 bit
Internal sample rate	96 kHz
Formats (AES/EBU)	24 bit

LOUDSPEAKER PROCESSING

Crossover	Multiple filter types (Butterworth, Linkwitz-Riley, Bell, High Shelf, Low Shelf, Notch, All Pass, Band Pass, High Pass, Low Pass) up to 24 dB / Oct.
Delay	1 second
Control and monitoring interface	Full configuration and real-time monitoring via PC, Mac and iPad

CONNECTORS AND BUTTONS

Input connectors (Analog)	1 x Male XLR (Pin 2+, Pin 3-), 1 x Female XLR (Pin 2+, Pin 3-)
Input connectors (AES/EBU)	1 x Male XLR (Pin 2+, Pin 3-), 1 x Female XLR (Pin 2+, Pin 3-)
Input connectors (Dante)	2 x RJ45 etherCON
Mains connectors	2 x powerCON
Buttons	Power, Up, Down
Encoder	Adjust, Set

PHYSICAL SPECIFICATIONS

Height	21.69 in (551 mm)
Width	14.72 in (374 mm)
Depth	14.96 in (380 mm)
Weight	48.50 lbs (22.15 kg)

Rigging	4 lateral and axial inserts for optional brackets
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REFERENCES

PMX 12 D	High-powered active loudspeaker with built-in Dante digital I/O card (12" LF + 3" HF)
LYRE 101215 V	Adjustable vertical U-Bracket for PMX 10, PMX 12 and PMX 15 series speakers
LYRE 101215 H	Adjustable horizontal U-Bracket for PMX 10, PMX 12 and PMX 15 series speakers
9005	« Jet black » finish for cabinet, based on RAL 9005 color
9010	« Pure white » finish for cabinet, based on RAL 9010 color
1013	« Oyster white » finish for cabinet, based on RAL 1013 color
7040	« Window grey » finish for cabinet, based on RAL 7040 color
7030	« Stone grey » finish for cabinet, based on RAL 7030 color
5011	« Steel blue » finish for cabinet, based on RAL 5011 color
9005	« Jet black » color for Airtex [®] acoustical fabric, based on RAL 9005 color
9006	« White aluminium » color for Airtex [®] acoustical fabric, based on RAL 9006 color
9010	« Pure white » color for Airtex [®] acoustical fabric, based on RAL 9010 color
1035	« Pearl beige » color for Airtex [®] acoustical fabric, based on RAL 1035 color
1036	« Pearl gold » color for Airtex [®] acoustical fabric, based on RAL 1036 color

STANDARD COLOR CODES

Amadeus systems offers a standard « jet black » finish, based on RAL 9005 color. The following codes allow you to select separately the colors associated with the different external elements that Amadeus systems are composed of.

REFERENCE / **** 1 / **** 2

**** 1 RAL COLOR CODES FOR CABINETS AND MECHANICAL ELEMENTS

**** 2 RAL COLOR CODE FOR AIRTEX[®] ACOUSTICAL FABRIC

For example, a two-color PMX 5 MKII system with « jet black » cabinet (RAL 9005) and « white aluminium » Airtex[®] fabric in front of the protection grid (RAL 9006) gets the code PMX5MKII/9005/9006. Another example, a single-color DIVA XS system, made with a « pure white » (RAL 9010) cabinet and mechanical elements and a « pure white » (RAL 9010) acoustical fabric Airtex[®] covering the protection grid gets the code DIVAXS/9010/9010.

Please contact us if you want to order any specific color.

ACCESSORIES TO MEET YOUR NEEDS

Accessories are often the forgotten detail. They are, however, a vital component in a complex speaker setup.

To compliment our core product offering, we also provide an extensive range of accessories.

The selection of accessories includes a huge number of mounting and connecting accessories, available to accommodate any configuration of installation.

The key to our success is to remain flexible. We have a unique manufacturing programme which allows us to efficiently produce anything from small batches to an automated production process for large scale manufacturing.

Please contact us if you want to order any specific accessory.

