

PMX 8

TECHNICAL SPECIFICATIONS





ACOUSTICAL SPECIFICATIONS

| | |
|---------------------------|---------------------------|
| Operating frequency range | 65 Hz – 20 000 Hz |
| Number of ways | 2 |
| Horizontal coverage | 100° |
| Vertical coverage | 100° |
| Maximum SPL | 123 dB |
| Presets | 99 user-definable presets |

TECHNICAL SPECIFICATIONS

| | | |
|-----------------------|---|-------------------------|
| Transducer (HF) | 1 x 1.7-inch (*) driver with coaxial load | (*) Voice Coil Diameter |
| Transducer (LMF) | 1 x 8-inch vented speaker | |
| RMS capacity (HF) | 400 W @ 8 Ω, Class-D | |
| RMS capacity (LMF) | 400 W @ 8 Ω, Class-D | |
| Crossover type | DSP | |
| Crossover frequencies | 1 800 Hz | |

AUDIO PERFORMANCE

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|--|---|
| 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

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|----------------------------------|--|
| 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

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|----------------------------|--|
| 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 | 17.16 in (436 mm) |
| Width | 10.47 in (266 mm) |
| Depth | 12.24 in (311 mm) |
| Weight | 30.09 lbs (13.65 kg) |
| Rigging | 4 lateral and axial inserts for optional brackets |

REFERENCES

| | |
|--------------|--|
| PMX 8 D | Self-powered active loudspeaker with built-in Dante digital I/O card (8" LF + 1.7" HF) |
| LYRE PMX 8 V | Vertical U-Bracket for PMX 8 series speakers |
| LYRE PMX 8 H | Horizontal U-Bracket for PMX 8 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.

