

Appendix B: Technical Information

DRM12A Loudspeaker Specifications

Acoustic Performance

Frequency Range (-10 dB):	50 Hz – 20 kHz
Frequency Range (-3 dB):	65 Hz – 20 kHz
Horizontal Coverage Angle:	110°
Vertical Coverage Angle:	20°
Maximum SPL Peak:	135 dB

Transducers

Low Frequency:	12 in / 305 mm with ferrite
High Frequency:	3x 1.0 in / 25 mm titanium dome compression drivers

Array Coverage

Horizontal Coverage (-6 dB):	110° averaged 2 kHz to 10 kHz
Vertical Coverage (-6 dB):	
1x DRM12A	20° averaged 2 kHz to 10 kHz
2x DRM12A	40° averaged 2 kHz to 10 kHz
3x DRM12A	60° averaged 2 kHz to 10 kHz
4x DRM12A	80° averaged 2 kHz to 10 kHz

Array Mode

Single:	Voicing for an array with 1 DRM12A
Dual:	Voicing for an array with 2 DRM12As
3 – 4:	Voicing for an array with 3-4 DRM12As
3 – 4 Long:	Long Throw Voicing for an array with 3-4 DRM12As

*See pages 13-14 for more information.

Power Amplifiers

System Power Amplification	
Rated Power	2000 watts peak
Low Frequency Power Amplifier	
Rated Power:	1620 watts peak
Rated THD	< 1%
Cooling	Convection
Design:	Class D
High Frequency Power Amplifier	
Rated Power:	380 watts peak
Rated THD	< 1%
Cooling	Convection
Design:	Class D

System Processing

Array Mode	4 array modes
Subwoofer HPF	Off, DRM18S, Var
Main Output EQ	3-band
Delay	0 – 100 ms

Equalization

Low	±12 dB @ 20 Hz – 200 Hz
Mid	±12 dB @ 200 Hz – 2.00 kHz
High	±12 dB @ 2.00 kHz – 20.0 kHz
HPF	40 Hz – 160 Hz (Var)

Input/Output

Input Type:	Female XLR Balanced
Mic Impedance:	8 kΩ balanced
Output Type:	Male XLR Balanced
Mix Out Impedance:	600 Ω balanced
Main Control:	Rotating knob

Electronic Crossover

Crossover Type:	24 dB/octave
Crossover Frequency:	1.0 kHz

Line Input Power

Detachable line cord	100 – 120 VAC, 50 – 60 Hz, 175W 220 – 240 VAC, 50 – 60 Hz, 175W
AC In Connector	Locking Neutrik PowerCon® A, 20 amp, 250 VAC, Max input 1400W
AC Thru Connector	Locking Neutrik PowerCon® B, 20 amp, 250 VAC, Max input 1250W
Power Supply Type	Switchmode

Safety Features

Input Protection	Peak and RMS limiting, power supply and amplifier thermal protection
Display LEDs	Defeatable front power, Speaker Control
Status Info	Input and output levels, array mode, high-pass filter, EQ and delay settings

DRM12A Loudspeaker Specifications continued...

Construction Features

Basic Design:	Horizontal Trapezoidal
Enclosure Material:	15mm plywood
Enclosure Finish:	Black Polyurea
Grille Material:	16-18 gauge perforated steel
Grille Finish:	Powder-coated black
Handles:	One on each side
Display LEDs	
Front:	Power ON
Rear:	Speaker Control
Operating Temperature:	0 – 40 °C 32 – 104 °F

Physical Properties

Height:	15.2 in / 386 mm
Width:	24.7 in / 627 mm
Depth:	18.0 in / 457 mm
Weight:	55.0 lb / 24.9 kg

Mounting Methods:

Floor mount, pole mount via the built-in socket on the bottom of the cabinet [Be sure the pole is capable of supporting the weight of the DRM12A loudspeaker] or fly via the integrated M10 mounting points (using M10 x 1.5 x 20 mm forged shoulder eyebolts).

See page 22, 24-26 for more information.

Options

DRM12A Cover	P/N 2036809-52
FB100 Flybar Kit	P/N 2050041
SPM400 Loudspeaker Pole Mount	P/N 2051055
PA-A2 Forged Shoulder Eyebolt Kit (3 x M10 x 1.5 x 20 mm)	P/N 2051054

Disclaimer

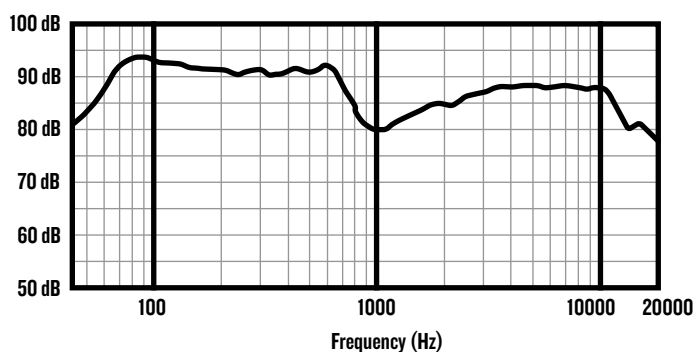
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DRM12A Frequency Graph



DRM12A Loudspeaker Dimensions

