

Technical Information

MR Specifications

Acoustic Performance

Frequency Response (-3 dB):

57 Hz – 20 kHz [MR524]
45 Hz – 20 kHz [MR624]
38 Hz – 20 kHz [MR824]

Frequency Response (-10 dB):

45 Hz – 20 kHz [MR524]
38 Hz – 20 kHz [MR624]
35 Hz – 20 kHz [MR824]

Sound Pressure Level @ 1 meter, +4 dBu into Balanced Input:

102 dB SPL @ 1m [MR524]
105 dB SPL @ 1m [MR624]
107 dB SPL @ 1m [MR824]

Maximum SPL Per Pair:

108 dB SPL @ 1m [MR524]
111 dB SPL @ 1m [MR624]
113 dB SPL @ 1m [MR824]

Transducers

Low Frequency:

5.25 in / 133 mm
polypropylene woofer [MR524]
6.5 in / 165 mm
polypropylene woofer [MR624]
8.0 in / 203 mm
polypropylene woofer [MR824]

High Frequency:

Neodymium magnet driven
1 in / 25 mm silk dome tweeter

Amplifiers

Low Frequency Power:

30 watts, 4 Ω load,
60 watts peak [MR524]
40 watts, 4 Ω load,
80 watts peak [MR624]
55 watts, 4 Ω load,
110 watts peak [MR824]

High Frequency Power:

20 watts, 6 Ω load,
40 watts peak [MR524]
25 watts, 6 Ω load,
50 watts peak [MR624]
30 watts, 6 Ω load,
60 watts peak [MR824]

Type:

Monolithic IC, Class AB with
DMOS power stage

Electronic Crossover

Crossover Type:

24 dB/octave

Crossover Frequency:

2 kHz [MR524]
3 kHz [MR624]
1.9 kHz [MR824]

Sensitivity:

+4 dBu at 300 Hz for full output

Input Impedance:

20 k Ω , balanced bridging;
10 k Ω unbalanced

Equalization

High Frequency EQ:

± 2 dB @ 3 kHz and above
[MR524 / 624 / 824]

AC Power Requirements

Power Requirements:

~120 V, 60 Hz
~220 V – 240 V, 50/60 Hz
~100 V, 50/60 Hz

Note: MR monitors do not support multiple voltage configurations. Make sure the voltage rating for your particular model (as indicated on the rear panel near the IEC socket) corresponds with your local AC mains voltage.

AC Connector: 3-pin IEC 250 VAC, 15 A male

Fuse:

115 VAC: T 1 AL / 250 V
230 VAC: T 500 mAAL / 250 V [MR524]
115 VAC: T 1.6 AL / 250 V
230 VAC: T 800 mAAL / 250 V [MR624]
115 VAC: T 2 AL / 250 V
230 VAC: T 1 AL / 250 V [MR824]

Power Consumption:

90 watts with music, loud mix
10 watts quiescent (idle) [MR524]
120 watts with music, loud mix
11 watts quiescent (idle) [MR624]
150 watts with music, loud mix
12 watts quiescent (idle) [MR824]

Physical Dimensions and Weight

MR524:

Enclosure: 0.47 in / 12 mm thick MDF with
0.83 in / 21 mm MDF front panel
Dimensions:
Height: 11.1 in / 281 mm
Width: 7.1 in / 180 mm
Depth: 8.7 in / 221 mm
Weight: 10.2 lb / 4.6 kg

MR624:

Enclosure: 0.47 in / 12 mm thick MDF with
0.94 in / 24 mm MDF front panel
Dimensions:
Height: 12.9 in / 328 mm
Width: 8.3 in / 210 mm
Depth: 11.2 in / 284 mm
Weight: 16.5 lb / 7.5 kg

MR824:

Enclosure: 0.59 in / 15 mm thick MDF with
1.30 in / 33 mm MDF front panel
Dimensions:
Height: 15.7 in / 400 mm
Width: 10.1 in / 256 mm
Depth: 12.6 in / 320 mm
Weight: 23.0 lb / 10.4 kg

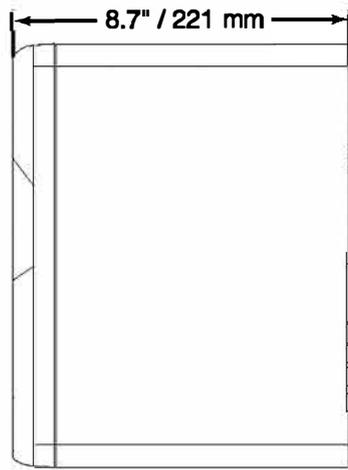
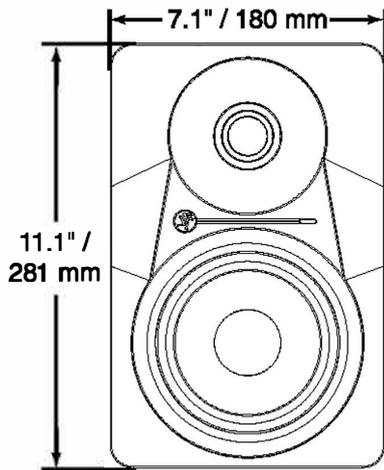
Damping:

Adiabatic batting [MR524/624/824]

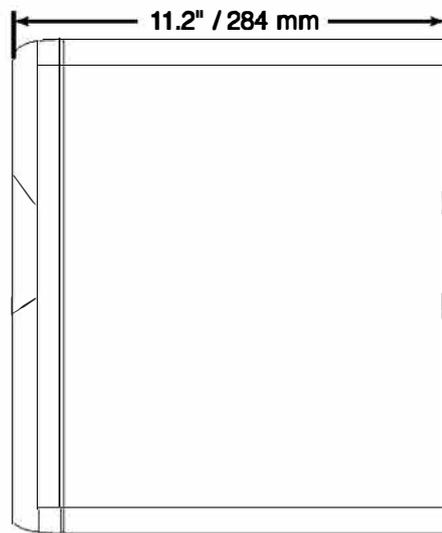
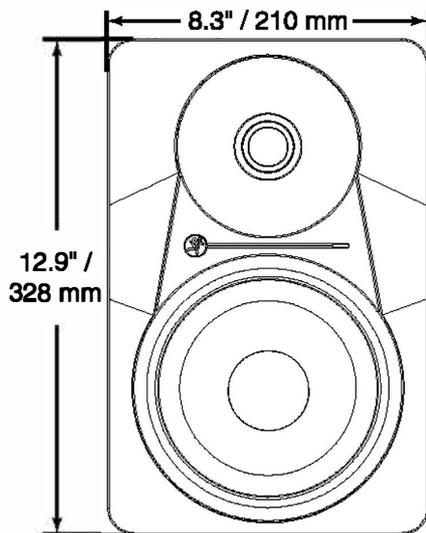
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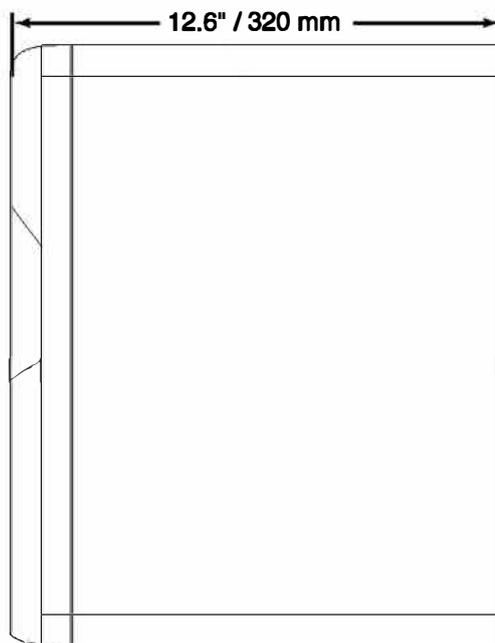
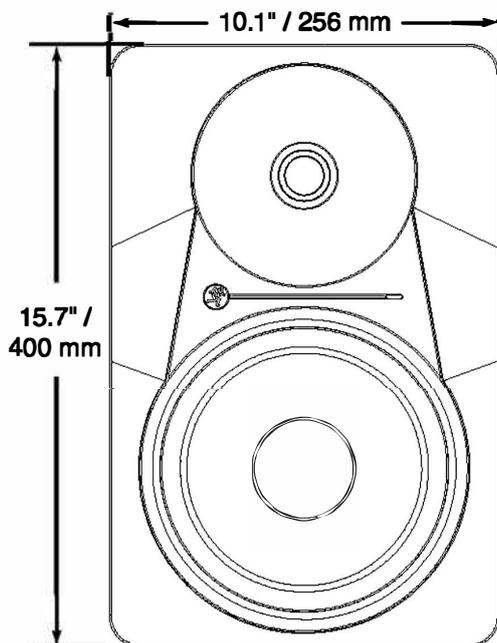
MR524 Dimensions



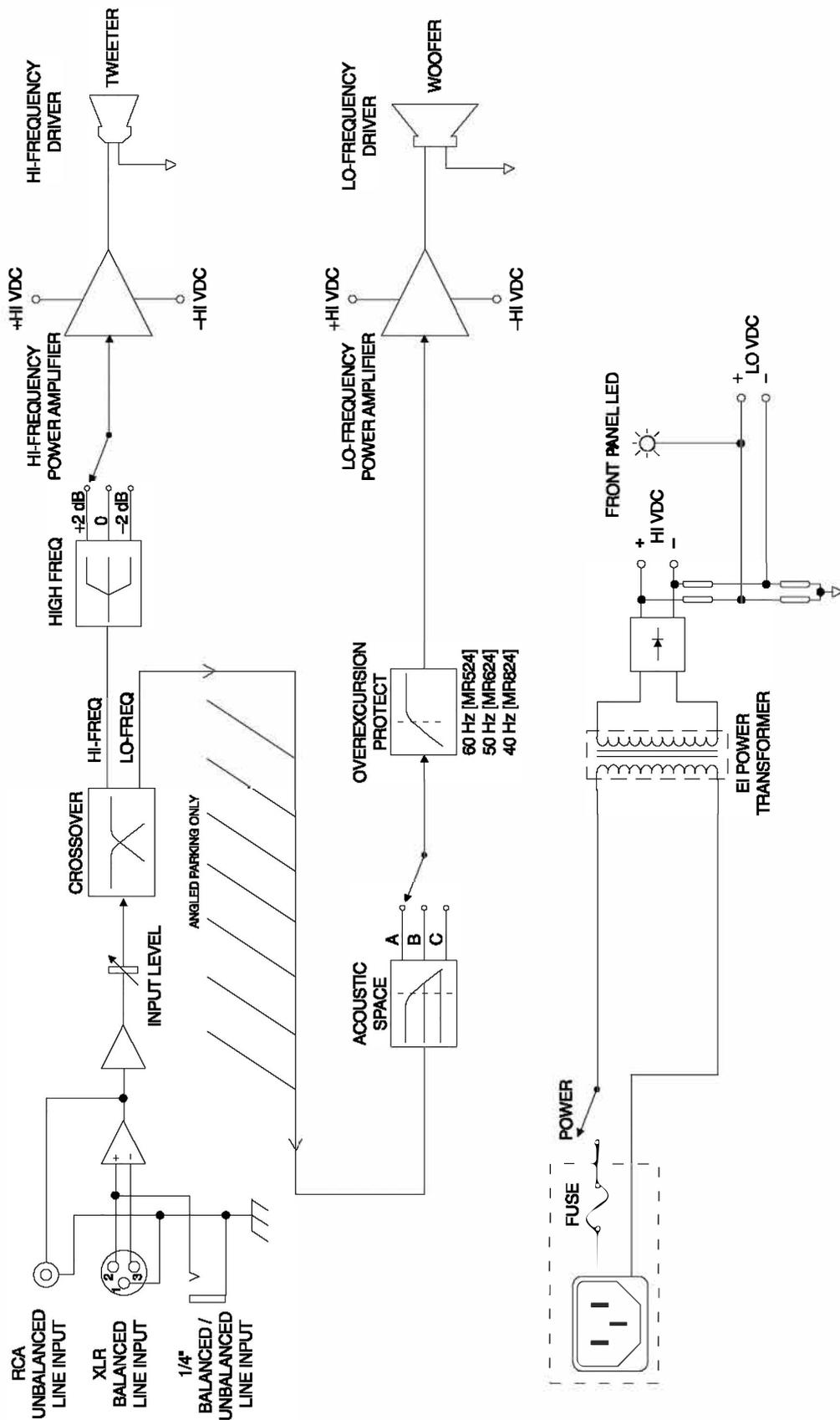
MR624 Dimensions



MR824 Dimensions



MR Block Diagram



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