

W-6.5 TIME-ALIGN®

APPLICATIONS

Reference Home Listening Systems Surround Sound Installations
Installed Audio-Visual Systems

DESCRIPTION

The M-6 is a 6-inch, 2-way, coaxial Time-Aligned™ loudspeaker system designed for critical listening in an in-wall installation. The system was originally designed with an external cabinet as a Nearfield™ for recording studios and mastering labs. The M-6 offers accurate time and frequency information within the near field listening area. Despite its small size it has high acoustic output and unsurpassed clarity and resolution of detail. The wide uniform dispersion expands the sweet spot to cover an entire modest sized room with high fidelity sound. The back box is designed to be installed during construction allowing the loudspeaker driver to be installed after construction is completed.



SPECIFICATIONS

System Type:

2-way coaxial sealed 0.4 ft³

Enclosure:

1/2" MDF

Finish:

Primer white or Black

Grille:

Black nylon cloth over wood frame

Low Frequency Components:

Low/Mid Frequency Transducer, 6.5" Cone,
1.5" Voice coil

High Frequency Components:

1" Soft Dome Coaxially Mounted Neodymium
Tweeter

Input Connector:

Wire tail or screw terminals

Crossover Type:

Passive Time-Align® equalizer filter @ 3.5 kHz

Time Offset Between Driver:

< ± 25 Microseconds
300Hz to 10kHz

Sensitivity:

87 dB SPL (2.83 V @ 1m)

Frequency Response:

60 Hz to 20 kHz ±3 dB

Low Frequency Limit:

45 Hz (-10dB)

Power Handling:

90 W continuous (AES)
180 W program

Recommended Amplifier Power:

90 to 180 W at rated impedance

Rated Impedance:

8 Ohms

Distortion:

Less than 3% THD or IMD
(94 dB SPL @ 1m)

Recommended High Pass Filter:

50 Hz Butterworth 12 dB/octave

Polarity:

A positive asymmetrical signal applied to the +
terminal will result in a positive asymmetrical
acoustical pressure

Dimensions:

23.5" h x 13.5" w x 3.5" d

Weight:

26 lbs
12 kg

TIME-ALIGN®, TIME-ALIGNED™ and TIME-ALIGNMENT™ are trademarks of E.M. Long Associates.
BAG END® is a registered trademark of Bag End, Inc.

W-6.5 TIME-ALIGN®



DIMENSIONS