

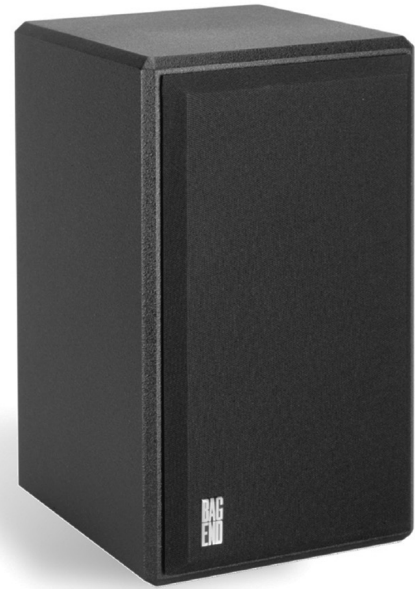
# M-6 TIME-ALIGN<sup>®</sup>

## APPLICATIONS

Recording Studio Nearfield Monitor      Screening Room  
Surround Monitoring                      Reference Home Listening Systems  
Laboratory Reference System

## DESCRIPTION

The M-6 is a 6-inch, 2-way, coaxial Time-Aligned™ loudspeaker system designed for critical near field studio monitoring applications. Designed as a Nearfield™ monitor 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 allow 2 people to sit side by side in the near field and experience the same frequency response. Attachment points are provided for Bag End® mounting bracket (BRKT-1) and other popular mounting hardware.



## SPECIFICATIONS

### System Type:

2-way coaxial sealed 0.4 ft<sup>3</sup>

### Enclosure:

3/4" MDF

### Finish:

Black Ro Tex™ true water born environmental finish

### 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:

5-way binding posts

### Internal Amplification:

Optional self powered

### Crossover Type:

Passive Time-Align® equalizer filter @ 3.5 kHz

### Time Offset Between Driver:

< ± 25 Microseconds 300 Hz to 10 kHz

### Sensitivity:

87 dB SPL (2.83 V @ 1 m)

### Frequency Response:

60 Hz to 20 kHz ±3 dB

### Low Frequency Limit:

45 Hz (-10 dB)

### 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 @ 1 m)

### 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:

14" h x 9" w x 9" d  
36 cm x 23 cm x 23 cm

### Weight:

15 lbs  
7 kg

### Custom Finishes:

Optional custom finishes include standard white, unfinished ready to paint, high gloss automotive paint and outdoor weatherproof treatment

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# M-6 TIME-ALIGN®

## ABOUT TIME-ALIGN® TECHNOLOGY

Time-Align® assures that the fundamental and overtones of a complex, transient, acoustical signal are presented to the listener in the same relationship as the electrical signal at the input terminals of the loudspeaker. The conventional loudspeaker spreads out the sound in time. When a rapid series of transients occur the results are blurring and lost detail. With Time-Align®, a transient is presented as a tight package of energy, with the same time relationships as the natural sound. This means that a rapid series of transients will be heard clearly.



True Time-Alignment™ requires much more than just physically lining up the loudspeaker components. It requires consideration of the driver placement, driver delay and adjustment of the crossover delay parameters. This achieves the precise simultaneous acoustical arrival time of each driver throughout the crossover region.

The first Time-Aligned™ Loudspeaker was invented by EM Long Associates in 1976 utilizing the Time-Align® generator invented and built by Ronald Wickersham. In 1980 Bag End® incorporated Time-Align® technology into our full range loudspeaker systems. Along with state-of-the-art laboratory instruments, the proprietary Time-Align® generator is still in use today to verify the time domain performance of our loudspeaker systems. When comparing a genuine Bag End® Time-Aligned™ loudspeaker system to any other, our technology and design is easy to hear and appreciate. The dramatic clarity, realism, and overall pleasant sound of our Time-Aligned™ systems are well noted worldwide.

## ABOUT OUR RO TEX™ FINISH

The durable Ro Tex™ finish is found on Bag End™ "R" series or Road cabinets. Ro Tex™ is a water base, environmentally safe finish that is made in Europe and is uniquely strong and long lasting. As it solidifies and attaches to the wooden cabinet it bonds with the wood

to make a super hard permanent finish. It is lightly textured offering both an attractive and rugged finish.

## ABOUT BAG END® LOUSPEAKERS

Bag End loudspeakers began in 1976 in a small shop by people dedicated to the pursuit of making high quality loudspeaker systems. Over the decades Bag End® has employed the very best construction techniques and innovative acoustical designs into their products. The ground breaking introductions of the Time-Align® and ELF™ Technologies into sound reinforcement and studio monitor loudspeakers in the 1980's was followed by Minima One™ self-powered systems and the highly unique E-Trap™, electronic bass trap. Over the decades, Bag End® has been a leader in providing uniquely good sounding products and extraordinary service to our customers world wide.

## DIMENSIONS

