

# TA1202-RF TIME-ALIGN®

## APPLICATIONS

Auditorium Stage Monitor      House of Worship  
Nightclub Installations      Vocal Monitor  
Electronic Keyboards

## DESCRIPTION

The TA1202-RF is a compact portable full range floor monitor loudspeaker system offering both high fidelity and high efficiency. The Time-Aligned™ studio quality sound provides detail and clarity not found in other designs. Rugged Ro Tex™ finished birch plywood enclosure, recessed handle and durable grille make the TA1202-RF an ideal choice for almost all portable monitoring applications. With flat frequency response and Time-Alignment™, the TA1202-RF requires almost no equalization and delivers clear intelligible vocal reproduction with excellent gain before feedback abilities. The shallow angle design along with the rotatable 80 degree (h) by 60 degree (v) coverage pattern offers optimal mounting and coverage options when up against walls and ceilings or when used as a stage monitor.



## SPECIFICATIONS

### System Type

2-way vented 0.9 ft<sup>3</sup>

### Enclosure

18 mm 13-ply birch plywood  
30 degree angle floor monitor

### Finish

Black Ro Tex™ true water born environmental finish

### Grille

16 Gauge black powder coated perforated steel

### Low Frequency Components

SE-1280 12" Transducer, 2.5" Voice coil, 80 oz Magnet

### High Frequency Components

E-700 1" Exit compression driver, 1.8" Titanium diaphragm, 15 oz Magnet, Radial waveguide

### Input Connector

Dual Neutrik® speakON

### Internal Amplification

Optional self powered

### Hardware

Recessed handle

### Crossover Type

Passive Time-Align® equalizer type at 2.5 kHz

### Time Offset Between Driver

< ± 25 Microseconds

### Sensitivity

101 dB SPL (2.83 V @ 1 m)

### Frequency Response

75 Hz to 20 kHz ±3 dB

### Low Frequency Limit

65 Hz

### Maximum Calculated Continuous Acoustic Output

127 dB SPL @ 1 m

### Power Handling

300 W continuous (IEC)  
600 W program

### Recommended Amplifier Power

300 to 600 W at rated impedance

### Rated Impedance

8 ohms

### Coverage Pattern

80 degrees horizontal (-6 dB)  
60 degrees vertical (-6 dB)  
Rotatable horn

### Recommended High Pass Filter

60 Hz

### Polarity

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

### Dimensions

21" h x 14" w x 11.5" d  
54 cm x 36 cm x 30 cm

### Weight

39 lbs  
18 kg

### Custom Finishes

Optional custom finishes include white, unfinished ready to paint and outdoor weather treatment.

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# TA1202-RF 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

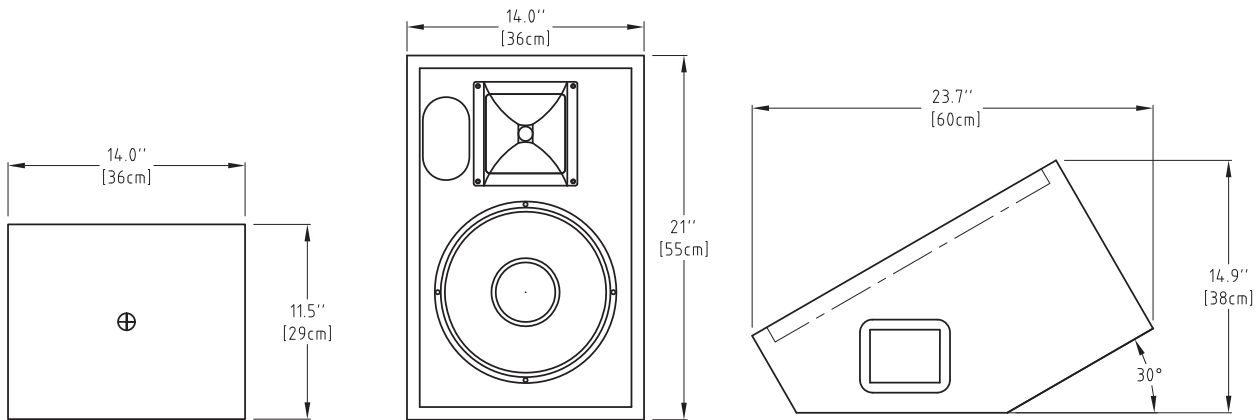
The durable Ro Tex™ finish is found on Bag End™ "R" series or Road cabinets. Ro Tex™ is a water base, environmentally safe finish that is made in Europe and is uniquely strong and long lasting. As it solidifies and

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® LOUDSPEAKERS

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



⊕ = Center of Gravity