

# TA1202-BF TIME-ALIGN®

## APPLICATIONS

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

## DESCRIPTION

The TA1202-BF 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. Oiled birch plywood enclosure, recessed handle and durable grille make the TA1202-BF an ideal choice for almost all portable monitoring applications. With flat frequency response and Time-Alignment™, the TA1202-BF requires almost no equalization and delivers clear intelligible vocal reproduction with excellent gain before feedback abilities.

## 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:

Oiled birch

### 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 filter @ 1.9 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 dBSPL @ 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 or unfinished ready to paint.

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# TA1202-BF 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 NATURAL OILED BIRCH CABINETS

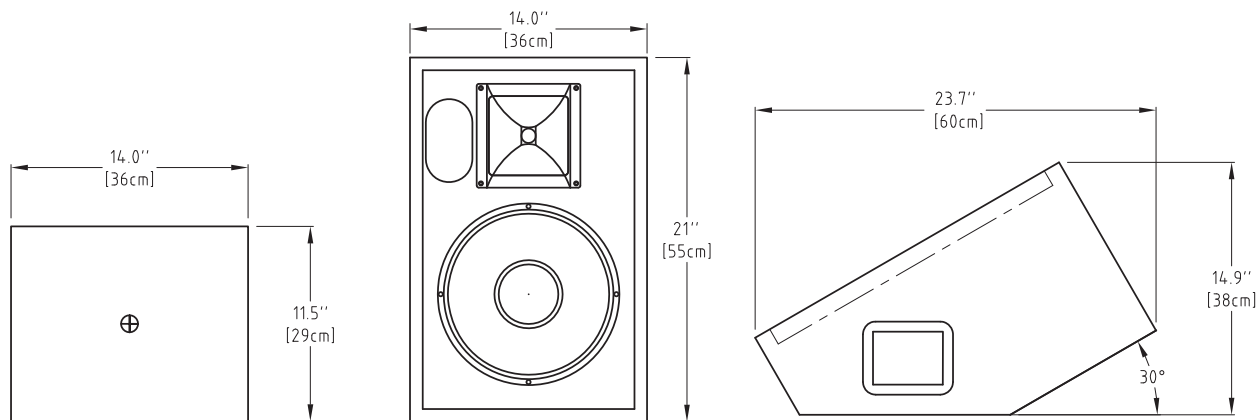
Bag End® Natural Oiled Birch enclosures were the original cabinets we made starting in 1975. In the 1970's we made all our cabinets from the highest grade clear face Finland Birch plywood with a hand rubbed oil finish. At first look these cabinets may seem to be fragile and too nice looking for use for portable systems, but the durability and longevity is now well proven. Many Oiled Birch cabinets are still in use 30 or 40 years later and perform as well today as the day they were made. With use and travel the finish will nick and ding and over time and the cabinet acquires a patina like finish. This is especially enhanced if you occasionally re-oil it. Today most of our production is still made with Finland Birch

plywood and finished with durable black Ro Tex™. The classic clear face Finland Birch plywood with the hand rubbed oiled finish is available on several standard models and most models can be custom ordered in this 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



⊕ = Center of Gravity