

PTA6002-R TIME-ALIGN®

SELF-POWERED

APPLICATIONS

Portable Sound Reinforcement Drum Monitor
Portable DJ Systems Electronic Keyboards
Theatrical Sound Reinforcement

DESCRIPTION

The PTA6002-R is a self-powered Minima 3™ loudspeaker which produces high definition, high impact sound over its wide angle making audience coverage easy and effective in a variety of venues. A compact loudspeaker, engineered for exceptional mid field and near field performance it is well known for exceptional fidelity and its surprisingly high output capability.

Useful for foreground and background music applications, it also excels for speech projection and small PA systems. With its fidelity, size and output its perfect for multi channel 5.1 presentations systems. In larger audio systems the PTA6002-R is highly effective as a fill, delay or under balcony speaker. The addition of a Bag End subwoofer will expand its capabilities for more demanding applications. Internal stand mount adapter and multiple fly points make the PTA6002-R convenient and flexible choice a multitude of portable or permanent applications.



SPECIFICATIONS

System Type

2-way vented 0.6 ft³

Enclosure

15 mm 11-ply birch plywood

Finish

Black Ro Tex™ true water born environmental finish

Grille

16 Gauge black powder coated perforated steel

Low Frequency Components

2 - E-6A 6.5" Drivers, 1.5" Voice coil, 30 oz Magnet

High Frequency Components

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

Input Connector

XLR 1/4" combo with XLR loop through

Internal Amplification

Minima 3™

Input Impedance

48K ohms

Input CAL Sensitivity

+4 dBu

Maximum Continuous Amplifier Power

300 W

High Pass Filter

Switchable: -6 dB @ 8 Hz; @ 50 Hz; @ 95 Hz

Overload Protection

Internal limiter

LED Indicators

Green - On
Yellow - System limit

Mains Voltage Requirements

Auto sensing
100 / 120 / 240 V

Mains Current Requirements

1.6 A @ 120 V
0.8 A @ 240 V

Hardware

35 mm Stand adapter
Fly points
Optional steel yoke model TAGI

Fly Points Safe Working Load

100 lbs Upper most rigging points

Crossover Type

Passive Time-Align® equalizer type @ 2.1 kHz

Time Offset Between Driver

< ± 25 Microseconds

Frequency Response

95 Hz to 20 kHz ±3 dB

Low Frequency Limit

80 Hz

Maximum Calculated Continuous Acoustic Output

127 dB SPL @ 1 m

Coverage Pattern

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

Polarity

A positive asymmetrical signal applied to pin 2 will result in a positive asymmetrical acoustical pressure

Dimensions

22.5" h x 9" w x 11" d
58 cm x 23 cm x 28 cm
Trapezoidal - 10 degree taper per side

Weight

27 lbs
13 kg

Custom Finishes

Optional custom finishes include white or unfinished ready to paint.

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PTA6002-R 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.

is practically no heat emitted from the amplifier and thus it requires no cooling fan. The universal AC power input automatically accepts 100, 120 or 240 volts allowing it to operate anywhere in the world.

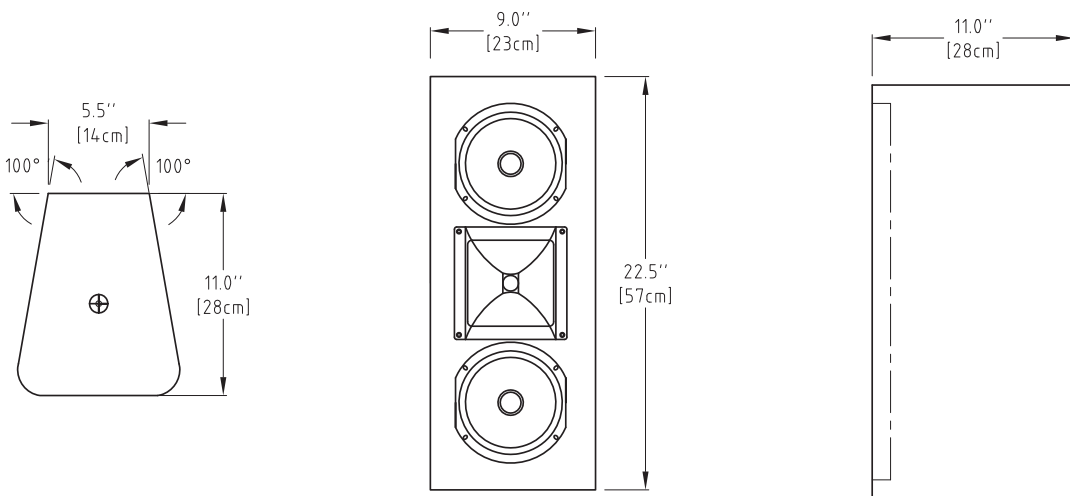
ABOUT BAG END® LOUSPEAKERS

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.

ABOUT MINIMA 3™ SELF POWERED

The Minima 3™ amplifier is both a high fidelity and a high efficiency amplifier. With efficiency well over 80%, it provides more power to the loudspeakers, and creates less heat in the amplifier. In real world applications there

DIMENSIONS



⊕ = Center of Gravity ○ = 5/16" -18 Threaded Rigging Point

