



SYSTEM COMPONENTS

Enclosure:

18mm 13-ply birch plywood

Low Frequency Transducer:

15" Cone
2.5" Voice coil
80 oz. Magnet

High Frequency Transducer:

1" Exit compression driver
1.25" Titanium diaphragm
24 oz. Magnet
Exponential horn

Input Connectors:

1 - Dual banana
2 - 1/4" Phone
2 - Neutrik Speakon

Grille:

16 gauge black powder coated perforated steel

Standard Hardware:

1 - 35 mm Stand adapter
Handles

Optional Hardware:

Rigging fly points

ACOUSTIC AND ELECTRICAL

System Type:

2-way vented 3.4 ft³

Impedance:

8 Ω

Crossover Network:

Passive Time-Align® equalizer type at 1.7 kHz

Time Offset Between Drivers:

< ± 25 Microseconds

Frequency Response:

50 Hz to 19 kHz ±3 dB
(4π Steradians)

Sensitivity:

101 dB SPL (1W @ 1m)

Dispersion:

90° Horizontal (-6 dB)
40° Vertical (-6 dB)

Power Handling:

200 W continuous sine wave
800 W instantaneous peak

PHYSICAL

Finish:

Black Rotex

Dimensions:

27" h x 22" w x 18" d
69 cm x 57 cm x 47 cm
Trapezoidal, 8° taper per side

Weight:

80 lbs.
32 kg

Shipping Dimensions:

21" x 30" x 25"
54 cm x 76 cm x 64 cm

Shipping Weight:

88 lbs.
37 kg

APPLICATIONS:

Portable Sound Reinforcement

Portable DJ Systems

Drum Monitor

Electronic Keyboards

TA5000-R The TA5000-R is a portable full range loudspeaker system offering both high fidelity and high efficiency. The Time-Aligned™ studio quality sound provides detail and clarity not found in other designs. The TA5000-R is made from durable black Rotex painted birch plywood. Included are a stand adapter, recessed handles and rugged steel grille.

OPTIONAL CUSTOM FINISHES Available in textured white paint or ready-to-stain natural birch for greater versatility in location and aesthetics. Also available in outdoor weather resistant package.

About Time-Align® 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.

Along with state-of-the-art laboratory instruments, the proprietary Time-Align® generator, built by Ron Wickersham, is used in designing our loudspeaker systems. The Time-Align® generator is founded upon different underlying mathematical principles than are used in the more common Fourier based measurement equipment.

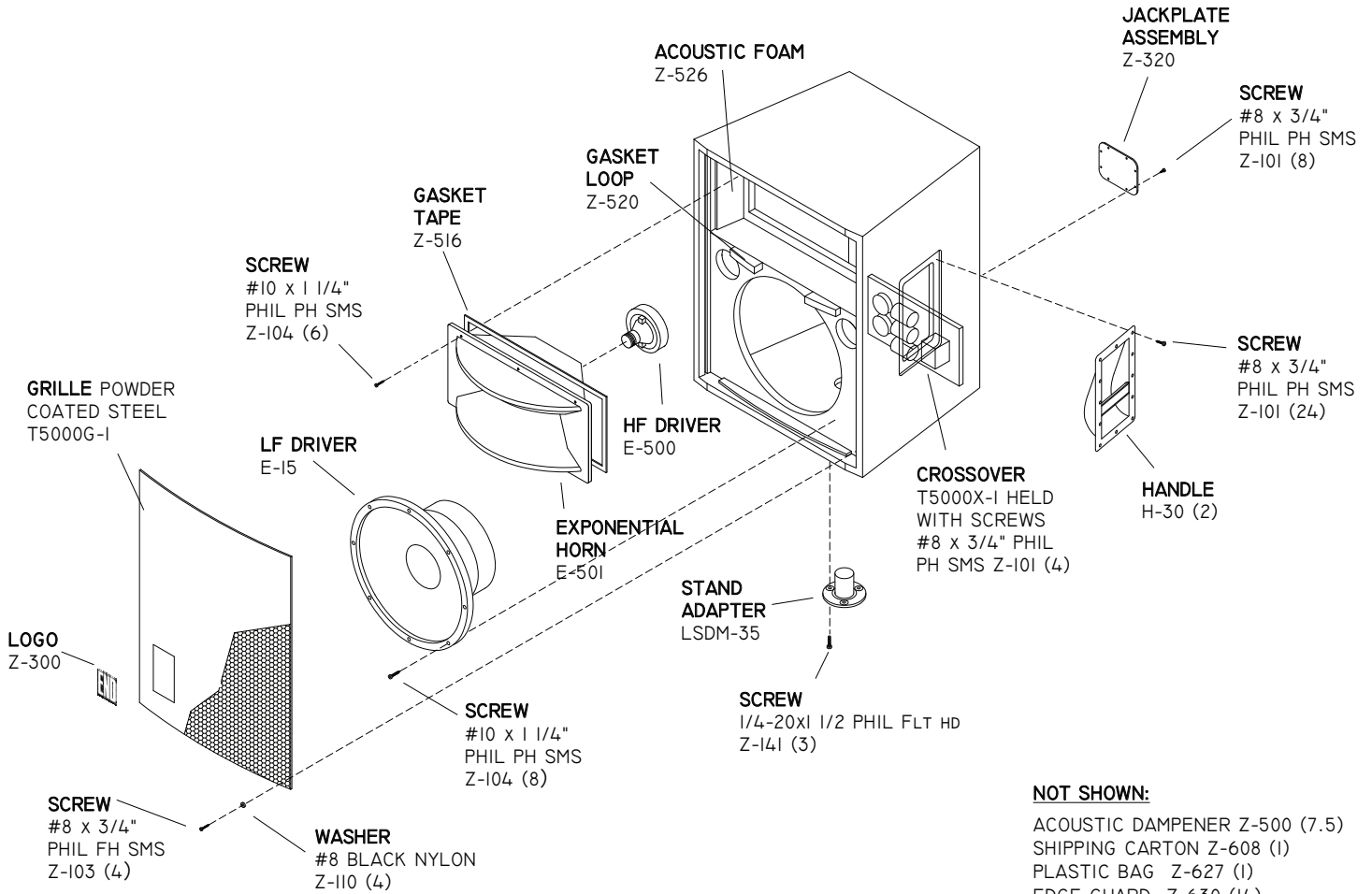
When comparing a genuine BAG END Time-Aligned™ speaker system to any other, our additional design work is easy to hear and appreciate. The dramatic clarity, realism, and overall pleasant sound of our Time-Aligned™ loudspeakers is noted throughout the world.

BAG END Loudspeakers
22N272 Pepper Road
Lake Barrington, Illinois
60010 USA
Voice 847 382 4550
Fax 847 382 4551
www.bagend.com

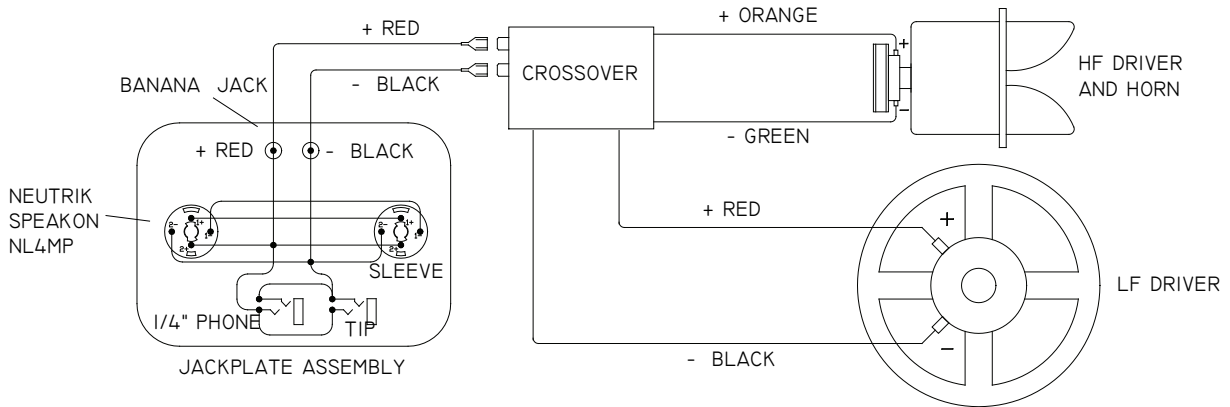




TA5000-R



SYSTEM SCHEMATIC



The Neutrik Speakon NL4MP connector is a keyed, high current, four conductor device which allows both the high and low frequency signals for a bi-amped loudspeaker system to run through the same 4-conductor cable. Note that all four conductors on both connectors are wired in parallel, but only two conductors are connected to the drivers in the enclosure. This permits an easy parallel connection to other similar loudspeakers (if your amplifier can handle the low impedance load!) and allows the use of a short "jumper" between the subwoofers and the mid/high speakers in a bi-amped system. Banana and 1/4" phone jacks are also provided.