BAG END

PORTABLE SERIES

BASSAULT-R

S P E C I F I C A T I O N S

APPLICATIONS:

Concert PA systems

Auditorium Reinforcement

Discotheque Subwoofer

Cinema Subwoofer

BASSAULT-R The BASSAULT-R is a very high output concert INFRA subwoofer system designed to minimize the space required to obtain extremely high level and high fidelity low frequency output. The BASSAULT-R provides flat response to below 20 Hz when used in conjunction with the INFRA Integrator. The BASSAULT-R includes casters, handles, and feet.

ABOUT INFRASUB TECHNOLOGY Almost all specifications for subwoofer systems are fixated on the frequency response domain. However, the impression of power and quality is equally related to the time domain performance of a system. Because of the long wavelengths of low frequencies, this is particularly true with subwoofers.

Likewise, the maximum SPL is not a very reliable way to judge the impact of a subwoofer. A poor time domain performer will not have the same impact or natural sound as a Time-Aligned™ INFRA system.

The reason that INFRA technology sounds dramatically better than the others is because of their superior time domain performance. The INFRA subwoofer maintains the bass energy in a tight packet, aligned with the upper range signal, providing a greater body impact and a seamless musical connection with the main loudspeakers.

Conventional sub designs perform so poorly in the time domain because designers have used methods that sacrifice the phase response for more control over the frequency response (e.g., steep low pass filter slopes, vented speaker enclosures, and narrow bandwidth systems). With the INFRA technique, we do not degrade the phase response while extending the frequency response.

While the INFRA Dual Integrator does function as the system crossover, it does so without using a low pass filter. Adding a low pass filter, analog or digital, will have a degrading effect on the time domain performance of the INFRA subwoofer. A low pass filter adds signal delay to the sound which varies with frequency. Also, narrowing the pass band increases the influence of the rolloff on both ends of the subwoofer spectrum. The result is the smearing of the arrival times of the low frequency sound components, changing the timbre and downgrading the impact of transient sounds.

The Bag End INFRA subwoofers are designed as no-compromise, high fidelity reproduction systems. We believe they are the finest subs available, regardless of price.

SYSTEM COMPONENTS

Enclosure:
18 mm 13-ply birch plywood

Low Frequency Transducers:
4 - 21" INFRA cone
4.5" Voice coil
26.4 lbs. Magnetic structure

Input Connectors:
2 - Connector plates with:
Dual Banana and Neutrik Speakon
Custom connector configurations available

Standard Hardware:
8 - Recessed handles
4 - 3 1/2" Casters
20 - Machined aluminum speaker mounting clamps
4 - UHMW polyethylene feet

Optional Hardware:
Rigging points

ACOUSTIC AND ELECTRICAL

System Type:
Infrasub 4 - sealed chambers (4.5 ft^3 each)

Impedance:
2 x 2 Ω inputs

Crossover Network:
Requires INFRA Integrator

Recommended Crossover Frequency:
50 Hz

Frequency Response:
18 Hz to 50 Hz ±3 dB
(2π Steradians, with INFRA Integrator)

Sensitivity:
104 dB SPL @ 45 Hz (1W @ 1m)

Power Handling:
3200 W continuous program

PHYSICAL

Finish:
Black textured paint

Dimensions:
40"h x 36"w x 40"d
102 cm x 92 cm x 102 cm

Weight:
310 lbs.
141 kg

Shipping Dimensions:
44" x 40" x 46"
112 cm x 102 cm x 117 cm

Shipping Weight:
362 lbs.
165 kg

BAG END Loudspeakers
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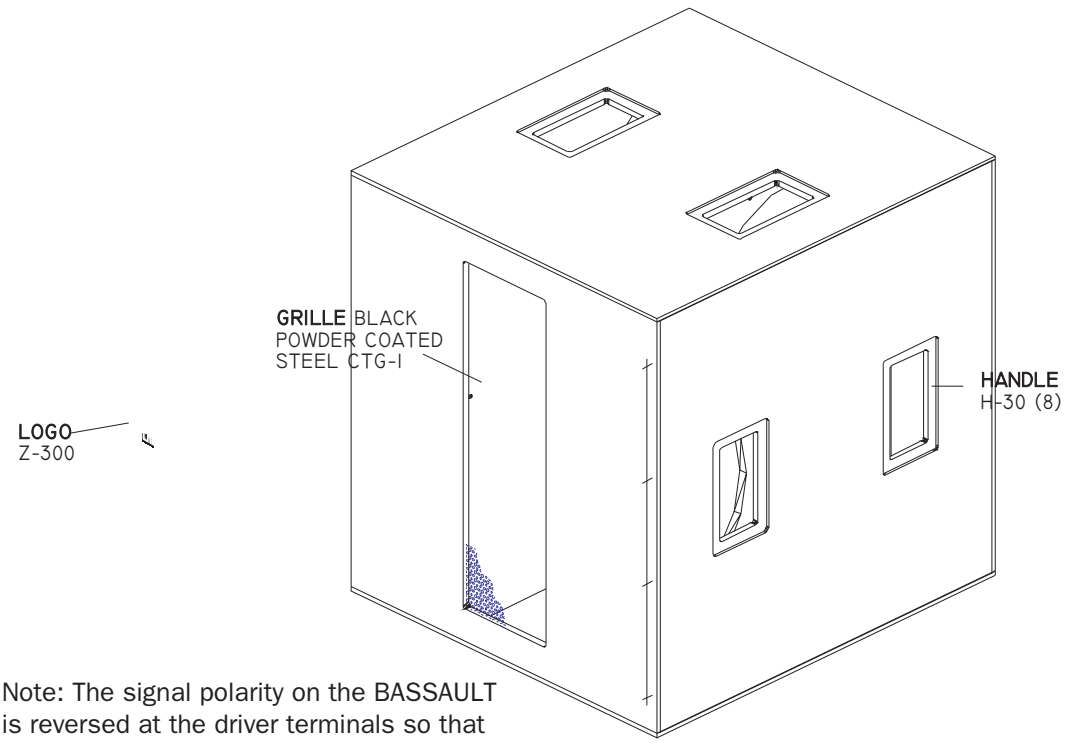
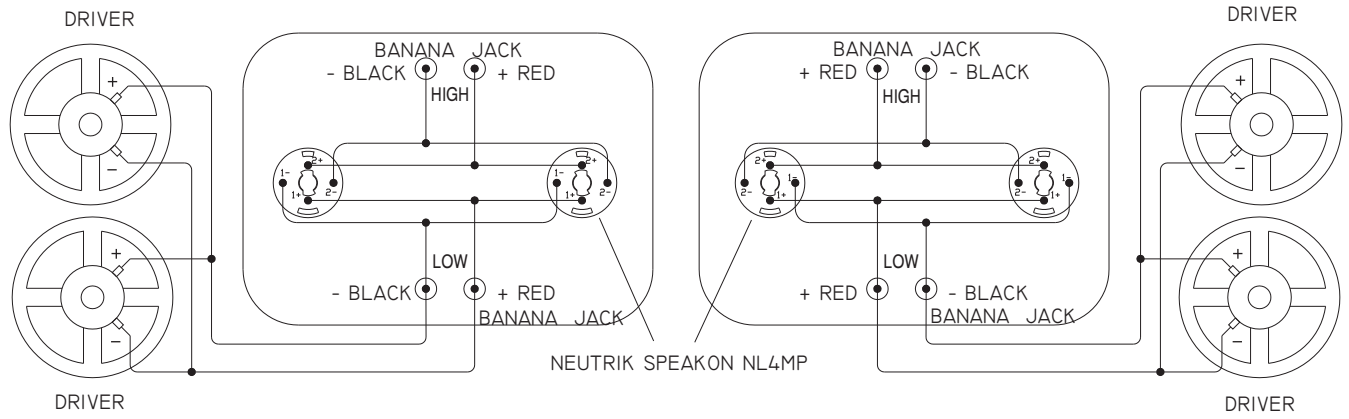
BASSAULT-R



Note: The signal polarity on the BASSAULT is reversed at the driver terminals so that absolute polarity is maintained from the rear radiation of the EL21.

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 multi-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” to connect to the mid/high speakers in a bi-amped system. Banana jacks are also provided on each circuit.

The Bassault has 2 input jackplates, each circuit with an impedance of 2 ohms, each powering 2 parallel 8 ohm drivers.

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