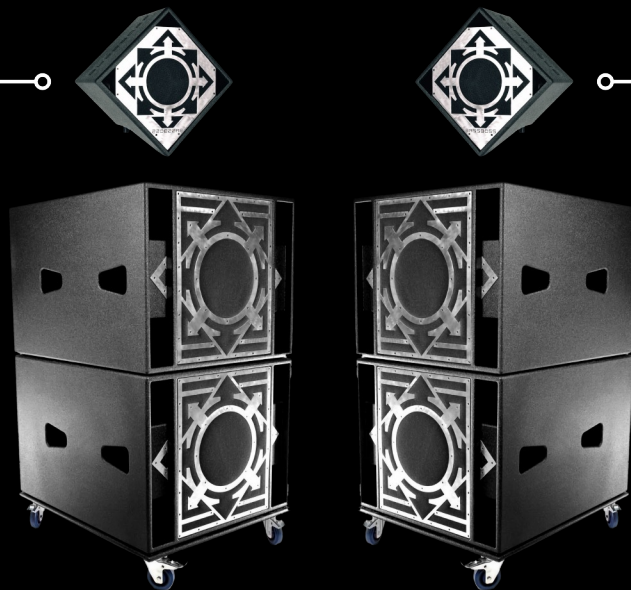


The Chaos System

Rev 1.0

Main Stack
Left

Main Stack
Right



ZV18 Subs

18" neodymium drivers, 24-85Hz (solo), down to 21Hz (paired)
3,200W RMS per cab; 139dB sustained / 144dB+ peak (4-cab stack)
Real-world impact: physical air modulation, structural vibration, extreme SPL clarity
Receives stereo output from SPL Crimson 3 (XLR)

DiaMon 12 Tops

12" coaxial drivers, 80Hz-18kHz full-range
1,500W RMS (3,000W peak) per cab; 130dB max SPL
Seamless integration with ZV18s for precision mid-high projection
Shares stereo feed with subwoofers

Specs

The Chaos System Specs



Preamble

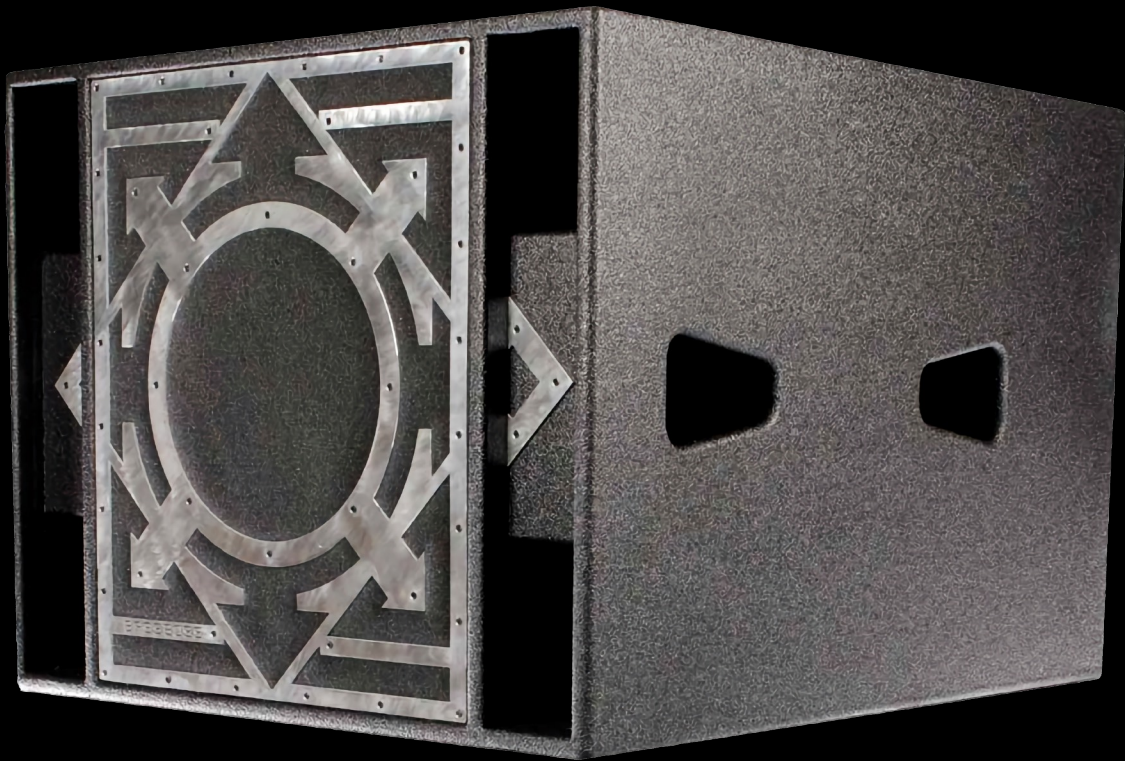
As The Chaos System has become a bit more well known, it may be good to have this consideration in your head before reading a bunch of specs and other statements... The Chaos System's primary outstanding features are its super high fidelity, very flat frequency response, and very low frequency extension (to 24/21Hz @ $\pm 3\text{dB}$).

A mistake often made, although an understandable one, is that The Chaos System is "loud" as a feature. Now nobody is going to argue that 140dB isn't loud, but the particular choices made in selecting the components of this system were not about the loudness of the system. A simple choice to get boxes that didn't go as low would have meant a system that was much louder, or a choice to have a system comprised of horn based subs would have gone even louder than that. The nature of the choices made for The Chaos System were to put high fidelity and low frequency response at the top, as much as possible; not to have the loudest portable system in the valley. Loud is easy... Just optimize for higher frequencies in a narrow band and you can make everyone deaf pretty easily. And you know what, loud is actually pretty impressive if you want to have an SPL competition. But that is not what The Chaos System is about.

The Chaos System is about quality, with a very flat response that goes very low. Being a BASSBOSS system also means it'll do it all night long. This system was chosen against all others

not because of price or some DIY philosophy of design, but because it comes from a company with a proven track record of sonic excellence and the ability to take the kind of abuse that destroys other systems, while going down to 21Hz (or lower in some configurations) without hesitation. This is a philosophy of low frequencies at the highest possible quality and the highest continuous output without damage.

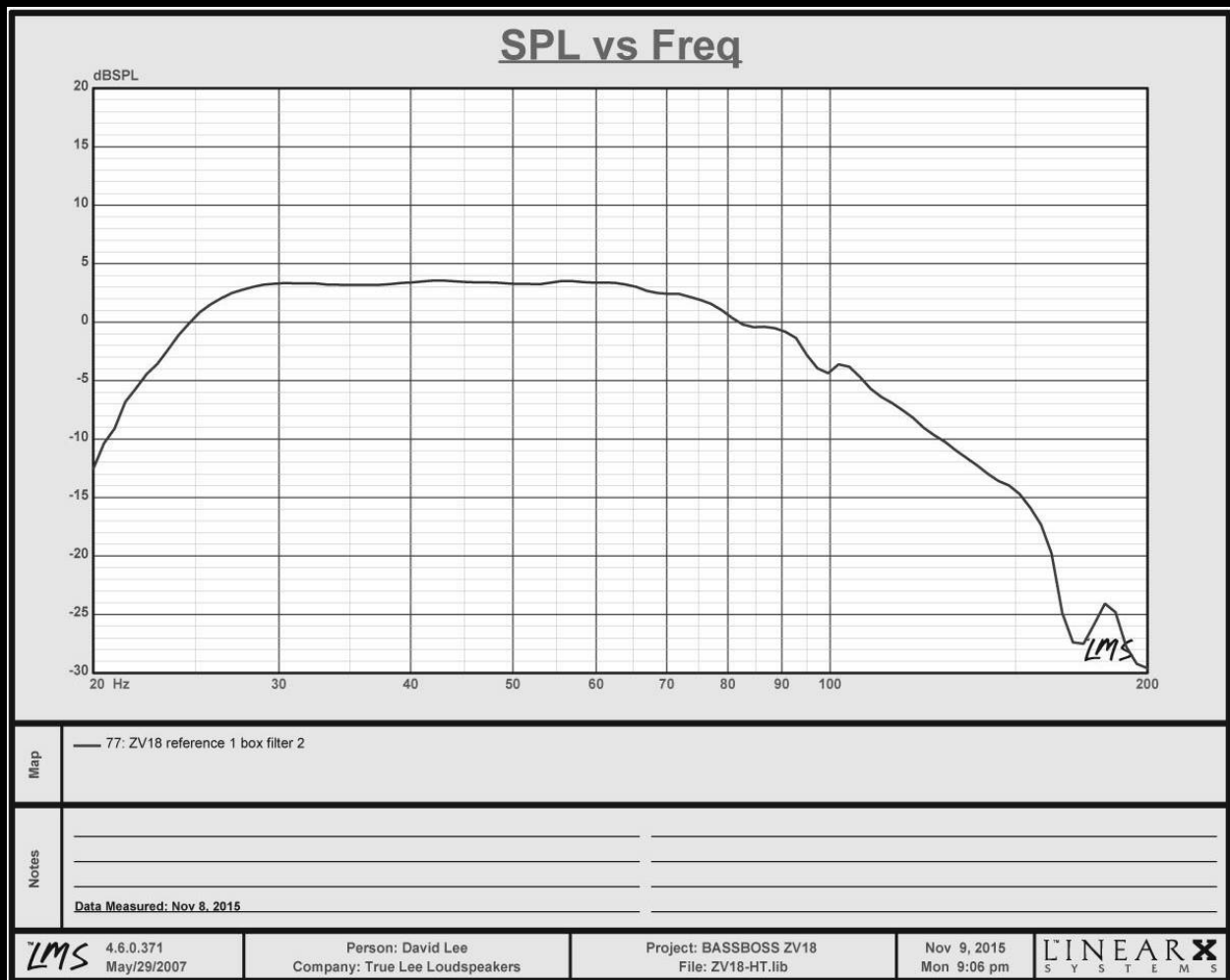
I've no doubt there are much louder portable systems in the Phoenix Valley, i've much doubt there are systems that sound as good or go as low. We're not just here to scream music at you while supporting local musical talent... We want that music to be the highest quality you have ever heard in a portable pro-audio system.



ZV18 with Chaos Plate Designed by Glen Allan

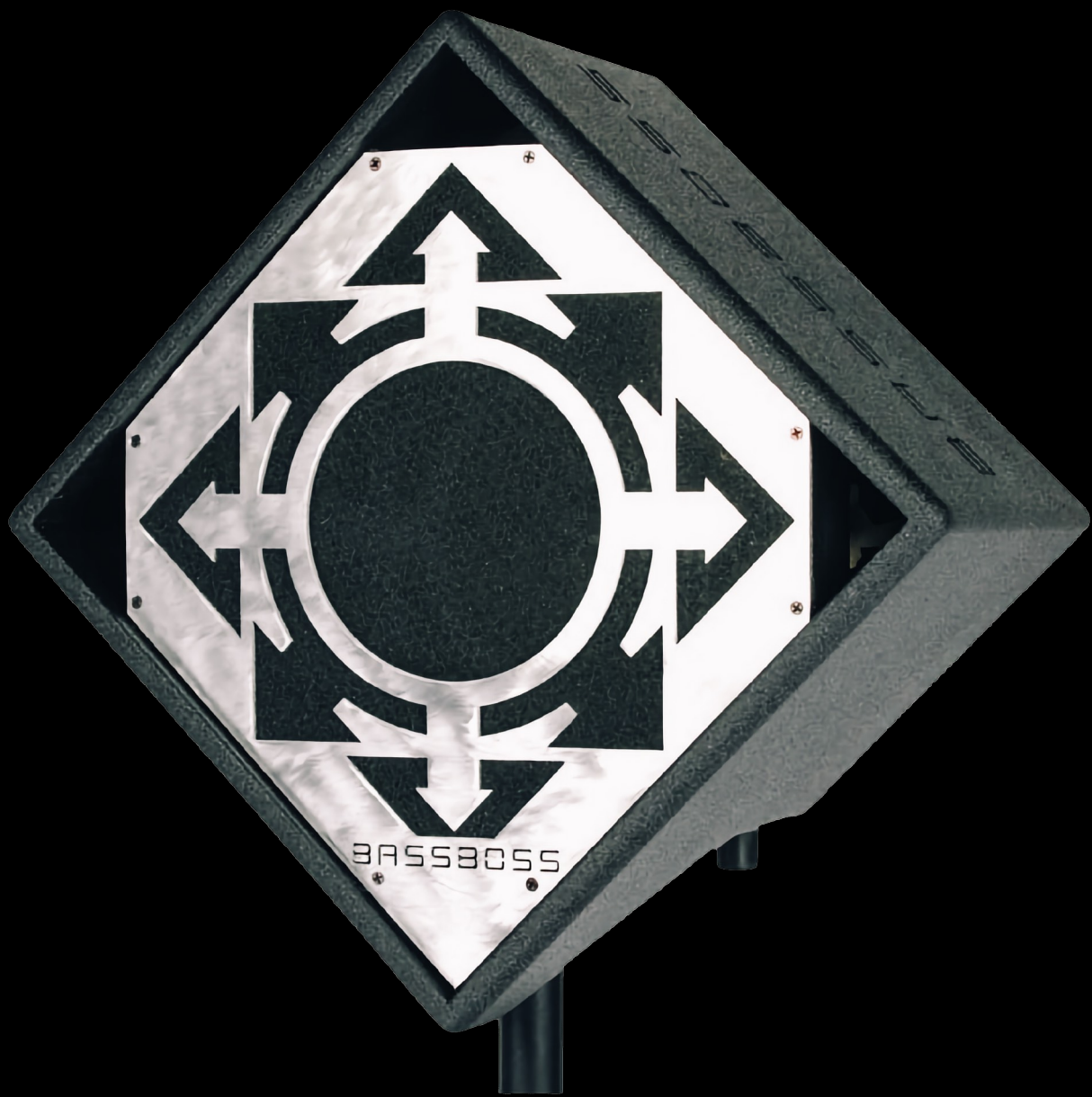
BASSBOSS ZV18 Subwoofer (x4)

- Extended Low-Frequency Single 18 Inch Powered Subwoofer
- Frequency Response (+-3 dB) 24Hz – 85Hz Boost (0 to +6dB)
- Frequency Response (+-3 dB), Pair 21 Hz
- Maximum Sustained Output 127 dB SPL, 1 meter, half-space (ground plane)
- Short-term Peak Output, Single 134 dB
- Maximum Sustained Output, Pair 133 dB
- Short-term Peak Output, Pair 139 dB
- Maximum Sustained Output, Four 139 dB
- Short-term Peak Output, Four 144 dB
- Nominal Dispersion (H° x V°) 360 × 360
- Cardioid Option Built In for directivity above 30Hz
- 2400 Watt RMS Class D Amplifier, Per box
- 9,600 Watts total dedicated RMS input power
- Dimensions 24 in. x 29.5 in. x 36 in. Per Box
- Weight 161lbs Each



ZV18 Response Curve

The ZV18 has a tuned resonant frequency of 26Hz, while having its +-3dB rating at 24Hz. These are pro audio speakers designed to hit well into the low 20s from quiet to fully cranked. These are direct radiating, vented enclosures, optimally tuned for low frequency response with high sensitivity and high power handling, and are the deepest mobile subs on the market.



DJ112 with Chaos Plate Designed by Glen Allan

BASSBOSS DJ112 "DiaMon" Micromain (x2)

- 12 inch co-axial, bi-amplified, self-powered micromain
- Frequency Response (+-3 dB) 80 Hz – 18,000 Hz
- Maximum Sustained Output 124 dB SPL

- Short-term Peak Output 130 dB
- Nominal Dispersion (°H x °V) 60 x 40
- Amplification 1500 W – Two channel Powersoft Class D Amplifier, Per box
- Dimensions 14 in. x 14 in. x 11.5 in (19.25 in. H/W as mounted)
- Weight 30 lbs Each

The DJ112 features a 12" woofer and a co-axial 1.4" exit compression driver that plays through the center of the woofer, making it a true point-source cabinet. Both the woofer and tweeter coils share the same magnetic structure to keep size and weight to a minimum. As part of the complete system, the DJ112's are specifically tuned to fully keep up with the four ZV18's to supply mids and highs. The output of this little box is totally out of proportion to its size. It's extremely loud, but it's capable of being loud, not struggling to be loud. It sounds much bigger than it looks and has the ability to maintain crystal clarity even at the upper limits of its very remarkable output.



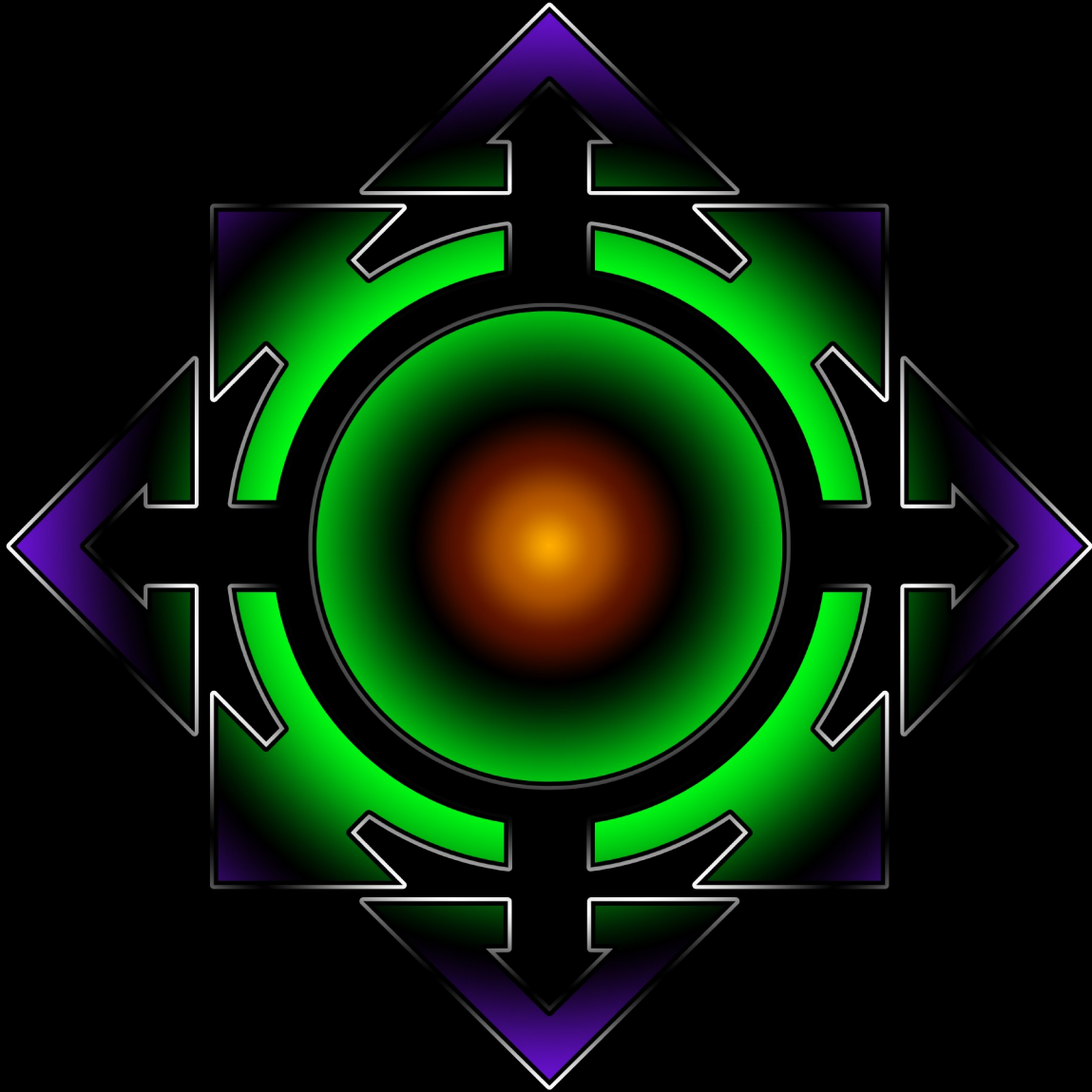
Total System Specs

- 4 ZV18's + 2 DJ112's
- Total Amplification – 12,600 Watts dedicated.
- DSP Tops – Integrated comprehensive DSP for HP, LP, EQ and limiting.
- DSP Subs – Integrated comprehensive DSP for HP, LP, and limiting (EQ not necessary).

Power Requirements – 2 dedicated 20 amp, 120 volt (not 220!) circuits required to power the system in split mode (half the system for each circuit). All our other equipment can be powered from the same circuits as they draw low power, along with DJ equipment.



ZV18 Without Grill



Why Chaos?

All of the faceplates on the Chaos System were designed by Glen Allan as part of his continuing interest and fascination with all iterations and definitions associated with the concepts of chaos, hence: "The Chaos System". Interestingly, subwoofer drivers operate at approximately 2 to 4% efficiency, and let off most of the power being fed into them as heat... So these subs are in a way pretty much entropy

machines. As chaos uses the laws of thermodynamics within systems to create new forms of order, so does the Chaos System drive created music that will make you want to move your feet and body while experiencing liquid bass filling the air; with the dancers creating ever new forms of physical expression.

Credit Where Credit Is Due

Some specs and descriptions for the system are plagiarized directly from the BASSBOSS website on the product pages (because they said it well). Please refer to their site to see a list of more comprehensive specs, and check out some of the best top tier audio equipment on the market for pro audio sound reproduction. Not only do they have unsurpassed dedication to making the deepest and most "bulletproof" mobile subs on the market, along with total systems, but they have some of the best customer service of any company we've experienced. If you are impressed by our system, take a look at what they have to offer and see if they have what you want.