

KEN KREISEL

INNOVATIVE • MODERN • POWERFUL

Studio Model

DXD-12012™

Dual 12 inch

H: 23.70" x W: 15.35" x D: 19.37" • WEIGHT 80.6 lbs

Footprint: 2 square feet

**The World's Top Studios use Speakers and Subwoofers
Designed by Ken Kreisel... Shouldn't you?**

Ken Kreisel's New Dual 12 inch **High Velocity Push-Pull-Pulsar™** subwoofer design will amaze even the most skeptical audio critic with its sonic speed, power, and detail. Using 750+ watt Continuous RMS Dual Class D Push-Pull Monoblock Amps™, the 12012 delivers the celebrated Ken Kreisel **Studio Proven Signature Sound™**.

Overview - Driver

Cone Design: The Dual Drivers use the **KEN KREISEL PROFESSIONAL SOUND™** low-mass long-throw **HIGH VELOCITY DEEP BASS™** design. They are comprised of a very strong long fiber pulp blend cone material which offers maximum strength and rigidity while maintaining minimum mass. The front of the cone is treated with a specialized coating compound. The dust cap is constructed of a long fiber pulp blend with an additional layer of coating on the front side. The combination of cone angle, dust cap diameter, shape and geometry have been meticulously selected to provide near perfect piston emulation, maximum cone area efficiency, and controlled high velocity characteristics in both the inward and outward directions. The impedance on each driver is a nominal 4 ohms.

Surround Design: The carefully designed, shaped, and custom molded surround is made from a select NBR formulation (NITRILE RUBBER-acrylonitrile-butadiene copolymer). This formulation provides for minimum mass, maximum linearity, ideal "silent high dynamic motion" characteristics, and excellent thermal stability. It does require some initial driver "break-in time" for best performance, usually several hours of very heavy use. **A specially recorded KEN KREISEL™ break-in test disc** will be available in the future which will maximize break-in effect, minimize break-in time, and minimize neighbor complaints.

Spider Design: The spider is comprised of a unique blend of cotton and pure NOMEX for extreme linearity, low mass and high strength and durability.

Magnetic Structure Design: The magnetic structure uses an optimized undercut T-style pole piece design as well as an optimized aluminum shorting ring. These two elements allow for maximum magnetic field linearity and symmetry which in turn leads to reduced distortion and controlled driver inductance.

**DARING, CONFIDENT AND STRONG
AN IMPECCABLE SENSE OF ESTHETIC BALANCE**

Voice Coil Design: The ultra high temperature voice coil is precision wound on a black anodized aluminum bobbin for maximum cooling and uses **Asymmetrical Centering** to assure **Optimized Magnetic Field Symmetry**, which is necessary for **low distortion**.





***The Mirror Smooth High Gloss Black Finish
Dramatically Reflects its surroundings.***

The voice coil is optimized and fine tuned using a laser guided **Klippel Measurement System** and state-of-the-art **FEA (Finite Element Analysis) Electromagnetic Field Simulation** software. Further voice coil cooling is accomplished by a unique **Airflow Maximizer Design**, whereby optimized cone perforations behind the dust cap forces hot air to exhaust and cool air to draw in around the voice coil. All this is accomplished with absolute minimum air turbulence, resulting in an *extremely well cooled and yet "quiet" driver with superb power handling characteristics*, as well as very minimal high power thermal compression which in turn provides for a **greater dynamic range**.

Cabinet

Cabinet Design: Sealed Box with a "raw" driver in the box "Q" of .5 - .707 (before any electronic EQ) which results in optimum transient performance with a natural roll-off of 12dB/octave. *Hand buffed* and polished high gloss black MDF side panels. The body of the cabinet is covered with beautiful simulated black leather and sports a jeweled logo. The interior of the cabinet uses additional high grade MDF panels to further reinforce the area where the drivers are mounted to the cabinet.



A View of the Second Driver



Ken Kreisel and the Quattro

DXD-12012 QUATTRO™ SUBWOOFER SYSTEM

- **Eight Feet Tall, Mechanically Balanced, Ultimate Subwoofer System**
- **Truly immersive 3D Bass with Near-Field Line-Array Subwoofer Technology™**
- **Balanced 3D High Velocity Push-Pull-Pulsar Deep Bass Pressure Wavefront Technology™**
- **Eight 12" long-throw Ken Kreisel Professional Sound™ High Velocity Deep Bass Push-Pull-Pulsar Drivers**
- **Four Dual Class D Push - Pull Cross Coupled High Current - Hybrid Bridge Monoblock Amps™ delivering a conservative 3000+ continuous watts from a total of EIGHT monoblock amps.**

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