

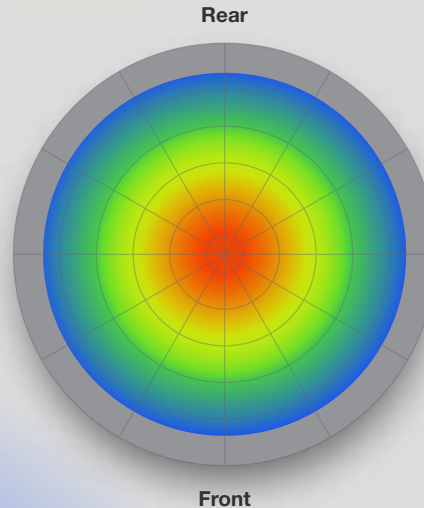
K Cardioid Subwoofer



Introducing the K Cardioid Subwoofer — the world's first-in-class single-box powered cardioid subwoofer solution for highly portable entertainment and installation applications.



Typical
Subwoofer Energy
Dispersion

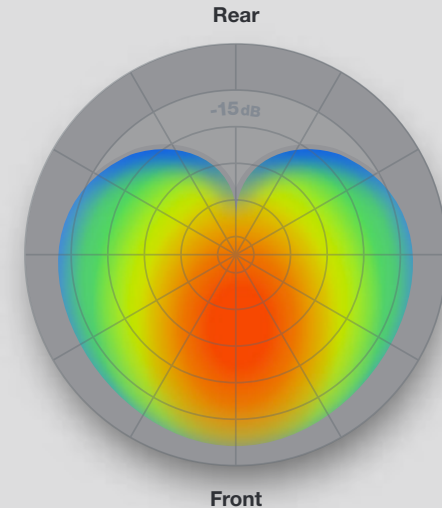


Most subwoofers radiate energy around the entire enclosure, leading to undesirable LF build-up on stage and wasted energy around the sides and rear of the system.

The Problem:

Typically, subwoofers are omnidirectional, radiating sound equally in all directions. This results in troublesome, unwanted low-frequency build-up on stage as well as undesired, wasted LF energy at the rear of the system. In more recent years, concert sound providers have been able to create cardioid (heart-shaped) coverage of their subwoofer arrays through some clever manipulation of placement, delay and polarity, redirecting desired LF energy forward and minimizing energy at the sides and rear. Unfortunately, this technique is costly and requires multiple enclosures, amplifiers and processors.

Cardioid
Subwoofer Energy
Dispersion



The K Cardioid Subwoofer keeps "Bass in its Place" with a single-box cardioid array that produces an amazing 15 dB more output at the front than at the rear

The K Cardioid Solution:

Representing a breakthrough in innovation and design, the K Cardioid Subwoofer uniquely provides all the benefits of a cardioid subwoofer array but in a single, compact enclosure. "Keeping bass in its place" for mobile entertainers, AV production and rental professionals, as well as modestly-sized performance venues, the K Cardioid Subwoofer is unparalleled in its ability to manage low frequencies on the stage, or any application where undesirable low frequency energy needs to be minimized.

Powered by a 1,000 Watt Class D amplifier, processed with the latest DSP technology, and featuring dual 12-inch long excursion drivers, each arranged in a 6th order bandpass chamber, these elements all combine seamlessly to produce a staggering 15 dB more output at the front of the cabinet than at the rear. Highly portable, the cabinet features comfortable, aluminum handles and four, rear-mounted casters. Two M20 sockets are provided to accept a 35 mm speaker pole in either vertical or horizontal deployment of the sub.



K Cardioid Subwoofer Specifications:

- 1000 Watt Class D power module
- Dual 12-inch long excursion drivers; Dual 6th order band-pass design
- 15 dB SPL attenuation front-to-rear
- Two M20 threaded sockets (one on top, one on side) accept 35 mm speaker pole
- Four low-noise, heavy-duty casters
- HxWxD = 26" x 15" x 28" (665 x 381 x 714 mm)
- 90 lbs (41 kg)

Available first half of 2017. Additional specifications to be announced as they become available. Visit QSC.com/BassForward for updates and product availability.

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