



## **Tech Tip: Kicker passive radiator equipped low frequency systems**

Kicker has been featuring passive radiator low frequency systems for many years. It all started in 1982 with our original Kicker box. We have been employing passive radiator designs ever since.

Finding space for the bass we all love gets tougher all the time. Many customers are no longer willing to give up the space required for large woofer systems.

Kicker passive radiator systems are the perfect solution to this problem... high performance in a small form factor.

Passive radiators are a type of port substitute. Their response closely follows a typical ported enclosure response.

Passive radiators have some important advantages over conventional ports.

They eliminate the noises usually associated with ports, such as resonant pipe sounds, wind noises and any internal high frequency sounds reflected out of the enclosure by the port.

They are also great for small enclosures where the proper port length exceeds the internal dimensions of the enclosure. They also prevent foreign objects from entering the enclosure.

A Kicker passive radiator operates along with the driver at low frequencies, sharing the acoustic load and reducing driver excursion. They have the same positive attributes as a conventional port such as higher power handling and lower distortion.

Kicker's passive radiator systems provide the highest performance in the smallest possible package.

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