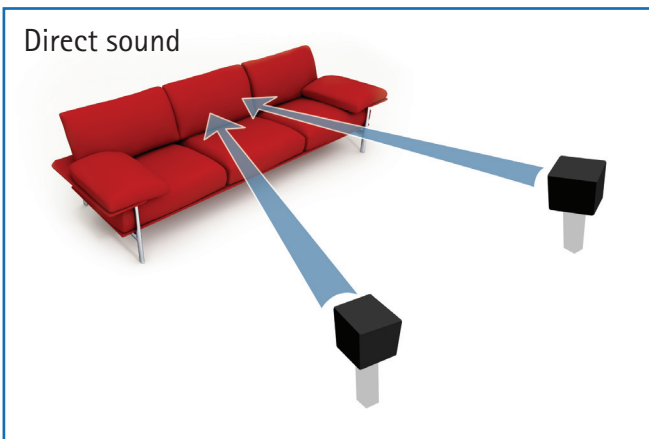


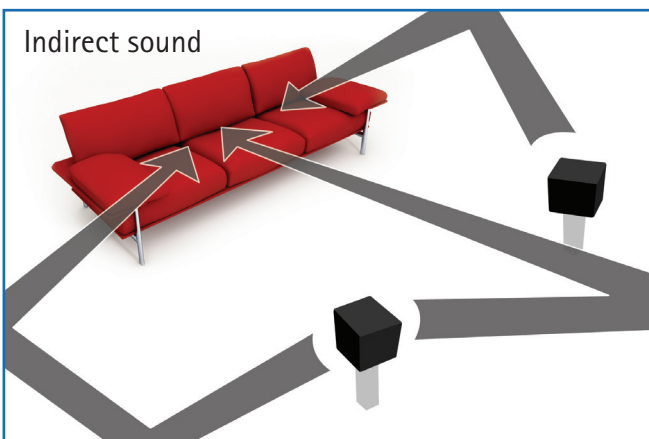
SEAS now introduces the worlds first dome tweeter with controlled wide dispersion – the DXT[®] tweeter. We give you the ability to design loudspeakers with a perfect power response.

The revolutionary DXT[®] tweeter addresses the major issues regarding directivity control in traditional loudspeaker designs. DXT[®] solves several well-known issues regarding; directivity control, off-axis response, integration with mid-range units and baffle diffraction.

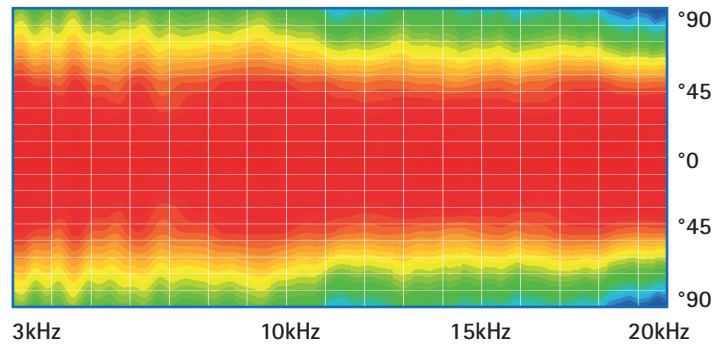
Several studies have showed that an even power response is one of the most important factors influencing the way we perceive sound.



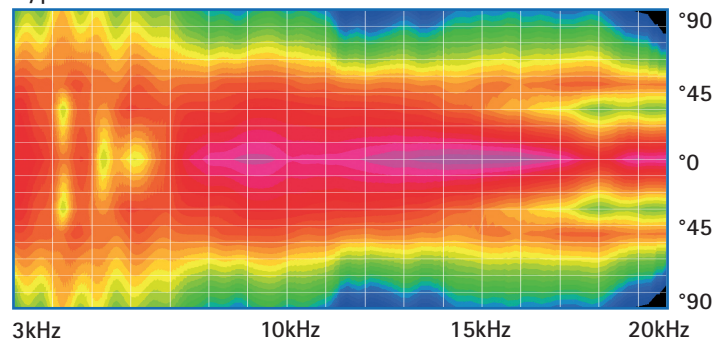
In typical rooms the direct sound counts for around half of the sound reaching our ears. The rest is sound reflected from floors, ceilings, walls and furnishing. The power response is the loudspeakers total radiated output from both direct and indirect sound.



DXT[®] Tweeter



Typical Tweeter



Home Entertainment

The DXT[®] addresses several key issues for designers of surround systems. Controlled directivity is necessary to reject early reflections in order to obtain good voice intelligibility. Furthermore the wide dispersion insures that all listeners get the same experience.

Also in traditional stereo applications, loudspeakers benefit from the superior performance of DXT[®].

DXT[®] turns the listening-room into one large sweet spot.

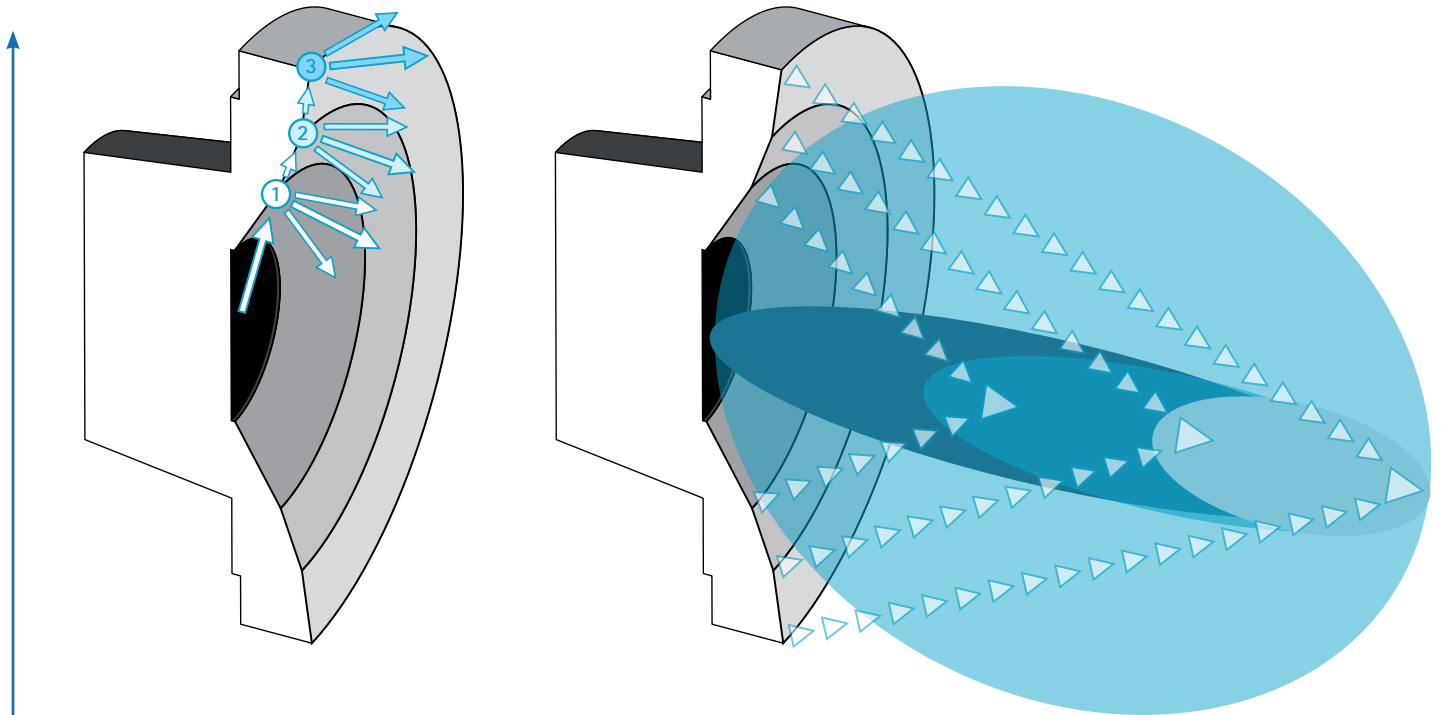
Loudspeakers with DXT[®] designed for domestic use have a greater freedom of placement due to controlled attenuation of unwanted reflections.

Automotive

A controlled off-axis response is essential for an optimum listening experience. The perfect off-axis behaviour of the DXT[®] enhanced tweeter makes it an ideal choice for automotive applications.

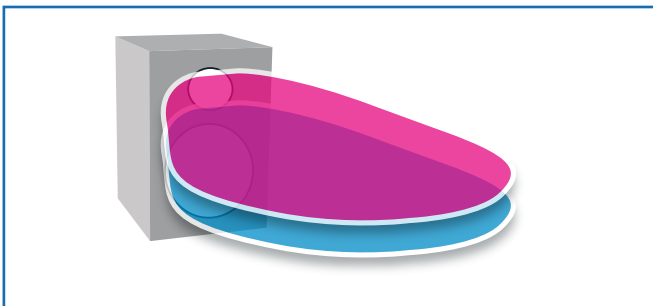
Pro Audio

For pro audio designers directivity is essential for coverage of large areas. DXT[®] is designed for systems where controlled off-axis response is crucial – like short throw public address loudspeakers and studio monitors.

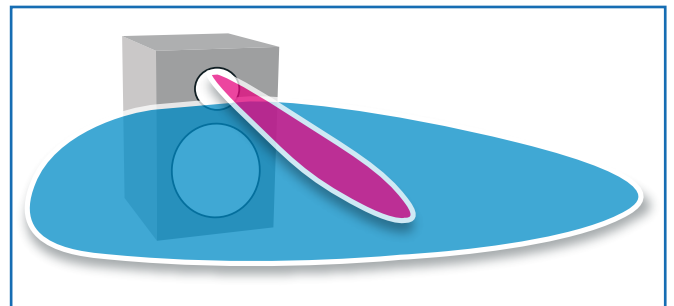


From approximately 7 kHz the diffraction edges begin to work. At the very high frequencies the DXT® uses up to 3rd order diffraction to expand the sound field. At lower frequencies the DXT® tweeter operates as a waveguide to narrow the mid-band dispersion.

DXT Tweeter



Typical Tweeter



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