

Dream Maker

The Dream Maker is an innovative design that takes advantage of advanced psychoacoustics to recreate a more natural-sounding presentation than can be achieved through conventional approaches.

Timing is Everything

Research has shown that a well-energized, spectrally correct, late-arriving reverberant field is quite beneficial. However not all reflections are good, even if they are spectrally correct; reflections arriving earlier than 10 milliseconds after the direct sound are detrimental. On the other hand, reflections arriving later than 10 milliseconds (and ideally later than 15 milliseconds) are beneficial, contributing to a concert-hall-like richness and warmth.

Reverberant Energy Density

The relative level of reverberant energy that can be generated by a conventional forward-firing loudspeaker is not enough to realistically recreate the soundfields of a live performance. And while loudspeakers that have ultra-wide or quasi-omnidirectional patterns do create a reverberant field with a more realistic energy density, they typically pay a penalty in increased undesirable early reflections and often have problems in other areas (thermal compression for instance).

The Answer

The controlled-pattern offset bipole configuration of the Dream Makers addresses these issues when set up as recommended. We use the same driver array as in the Jazz Modules because it has all the characteristics we desire, only in the Dream Maker we need two arrays - one facing forward, and the other backwards. Toe-in minimizes early reflections in the horizontal plane, and 5 or 6 feet distance off the wall imposes the desired 10 milliseconds or more time delay on the rear-firing drivers' output. The result is an uncannily life-like reproduction because the Dream Makers are working with your ears instead of against them.

Specifications

92 dB efficiency; 16 ohm impedance; typical -3 dB bandwidth 30 Hz to 17.5 kHz; dimensions 42" tall by 26" wide by 15" deep; weight 170 pounds.

AudioKinesis
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