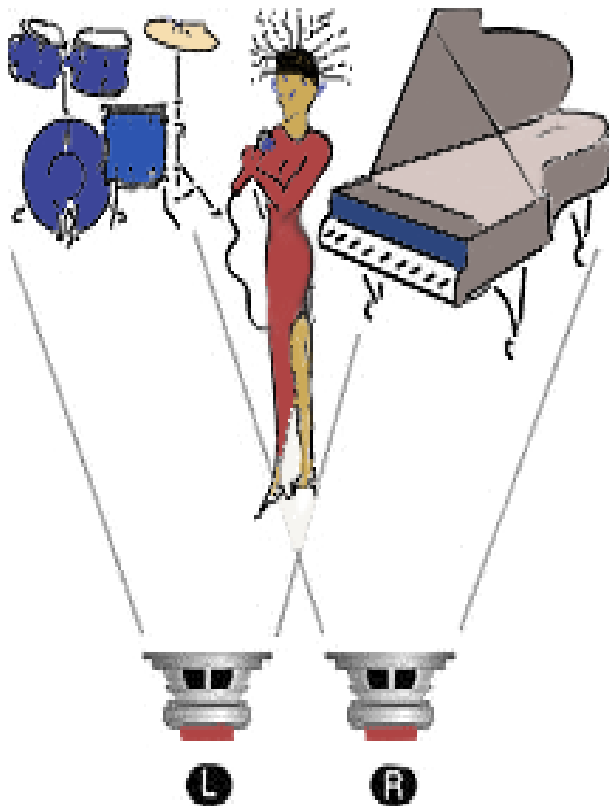


Sound quality in a car? Some might say that's an oxymoron!!

Sort of like a "cheap Rolex watch" or a "quick trip to the moon on the Space Shuttle." Well, the very same sound quality you've come to expect from your home audio system is now available in the CDT speaker system for your car! Before getting into the benefits of the CDT speaker systems however, it's important to discuss what "quality sound" really is.

Stereo separation



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Stereo Separation is a simple concept to grasp. The problem is that in car stereo, systems are created that make it difficult for your ears to detect true separation. In a live performance, or even a recording studio, there is music and vocals placed across an area. Big or small, it's still the performing area. If a singer is dead center in front of your ears, it's safe to assume that your ears will perceive the singer equally as loud in one ear as in the other ear. What if there's a drum player to the far left of the performance area? Obviously your left ear will hear the sound first and it will be louder. Your right ear has your head blocking it, so the sound not only has further to travel, but it is also not directly positioned toward that ear. At the same time, the piano is louder in the right ear, but quieter in the left ear. All of these sound cues represent how we feel the spaciousness of true Stereo Separation. In a car stereo system, most people are used to surrounding themselves with speakers. That's the problem. This idea actually got more and more popular with the advent of home and movie theater Surround Sound systems. Since those systems used speakers that created sound from all directions, many people assumed that Surround Sound must be appropriate for the car. Not so. The reason Surround Sound works in larger rooms is that the surround or effect speakers have time delays that make the listening space appear much larger. It's very useful in movies for special effects like blowing things up and thunder and lightning. The only problem is most people usually don't watch movies in their cars. They listen to music. Your head only has two ears, so the ideal system would be two perfect speakers to reproduce, exactly, all of the vocals and instruments from that live or studio performance. Since perfect (single) speakers are nearly impossible, you have to use separate component speakers. By now you can see that, from the ideal number of two, the fewer speakers added to a system (once the frequency range is covered), the better. Less is More – it facilitates better Stereo Separation and creates playback similar to the original recording. This "Less is More" concept is one of the many advantages of the CDT speaker systems.

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Audiophile Speaker Systems