Subject: Re: It depends...
Posted by Duke on Wed, 31 Jan 2007 21:19:31 GMT
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Well I may be incorrect, but my (admittedly limited) experience suggests that hearing high frequencies come from the mid/woofer cone is the primary distraction, and the steeper the slope the less high frequencies will be coming from the mid/woof. Also, when a steep slope is used the crossover frequency can usually be lower because the tweeter is better protected. As an example from another frequency realm, subwoofers with a steep-slope upper cut-off do a better job of "disappearing" than subwoofers with a gentle-slope upper cut-off, again because if we can hear the upper frequencies (even at reduced volume) we can better locate the sound source. I recently had the chance to compare plate amps with 12 dB/octave and 24 dB/octave high pass filters, and the latter enabled me to cross over almost an octave higher before the subwoofer's location could be detected.Duke