Subject: Re: Amps for Home
Posted by Adveser on Fri, 04 Feb 2011 18:37:26 GMT
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Lancelot wrote on Thu, 03 February 2011 22:00What do you mean by flatter response? How can I gauge the speaker whether it will produce a flat response or not?

It is truly amazing how a very small and light thing can produce a very loud sound.

Well the speaker doesn't really output a flatter signal, it produces a more compressed signal which your ear will perceive as flatter at the end of the day because quieter sounds will be closer to the louder sounds in amplitude. This is why guitarists are picky about wattage, they want the speaker cones to start breaking up at a certain level. You may or may not want to do that on your home stereo, so that should determine how much wattage you are pumping into the speakers. You would really have to be careful too because tweeters will blow if you are not attenuating the treble closer to it's limitations. And naturally, just because a speaker can handle a certain power rating does not mean you can go nuts by pumping in a 100watt signal at 20hz...that is going to destroy the speaker too despite it being able to handle 240watts, for this example.