Subject: Amps for Home
Posted by Lancelot on Fri, 21 Jan 2011 01:25:54 GMT
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Most amps I see are on big halls with a lot of people. I don't have a big house at the moment but I'm thinking about amps for homes. I mean there are times when I have parties and the speaker volume won't be enough. Besides the quality of the sound is not good anymore when the volume is maxed.

Subject: Re: Amps for Home
Posted by Adveser on Fri, 21 Jan 2011 02:22:08 GMT
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Lancelot wrote on Thu, 20 January 2011 19:25Most amps I see are on big halls with a lot of people. I don't have a big house at the moment but I'm thinking about amps for homes. I mean there are times when I have parties and the speaker volume won't be enough. Besides the quality of the sound is not good anymore when the volume is maxed.

Here are some numbers that might interest you.

This sort of thing doesn't exist on a stereo speaker set with an integrated amp as far as I know. Get speakers that can handle 200watts and get a 100wpc Amp and this sort of thing is a thing of the past. Do not use any bass boost though on the amp if it has it. Get a pre-amp if a specific source needs one because it doesn't sound right. Sort out those problems before it even touches the amp's circuitry.

50 watts is loud as hell and every time you double the wattage you get a measly 3db of gain, so that said, it seems twice as loud every 10db you add.

You have to decide what volume you plan on using the most and build accordingly. Severely under-powering a system will ruin the sound too.

50-100watts has always been perfect in my experience. I would rather max out a 12.5 watt amp than draw 12.5 watts from a 100wpc system, which is why my amp has no pre-amp section.

Subject: Re: Amps for Home
Posted by Lancelot on Wed, 02 Feb 2011 07:29:26 GMT
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Thanks for the explanation. I will have to check my speakers so that I would tell you exactly what wattage they have.

Now if I understand this correctly, having a higher amps will produce a better sound. So is it better to just buy speakers with higher watts than buying amps to make the sound better?

Subject: Re: Amps for Home
Posted by Adveser on Wed, 02 Feb 2011 08:14:58 GMT
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In my experience, the louder something is and the closer it is to it's wattage limitations, the flatter the speaker response. 120db is going to be loud enough for a concert and isn't that hard to get on 240watt speakers. I've had my stuff that loud and it HURTS. I've had these speakers for 20 years and still haven't broken them in because they can handle so much current. The funny thing is that I have taken the drivers out of the cabinet and they weigh next to nothing. Get it LOUD man, it can only help. Your ears will tell you when it gets really distorted to turn it down.

Subject: Re: Amps for Home
Posted by Lancelot on Fri, 04 Feb 2011 06:00:48 GMT
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What 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.

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.

Subject: Re: Amps for Home
Posted by Jenny76 on Sat, 26 Feb 2011 08:26:33 GMT
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I know what you mean about amps. It can be so difficult to select the right kinds. I wish I was in a

house instead of an apartment so I could have some higher quality equipment. My neighbors would hate me if I had all the things I wanted!

Subject: Re: Amps for Home
Posted by brent29 on Tue, 02 Aug 2011 21:45:25 GMT
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wonderful!

Subject: Re: Amps for Home
Posted by Damon73 on Thu, 01 Mar 2012 21:17:25 GMT
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Jenny76 wrote on Sat, 26 February 2011 02:26I know what you mean about amps. It can be so difficult to select the right kinds. I wish I was in a house instead of an apartment so I could have some higher quality equipment. My neighbors would hate me if I had all the things I wanted!

I can relate to that, I run into the same problems with my neighbors, and I don't even think I'm very loud. I'm all for common courtesy, but some people really overreact in my opinion. A house would be great. An island would be better.

Subject: Re: Amps for Home
Posted by WorkingWoman2017 on Sun, 29 Oct 2017 16:52:25 GMT
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I moved into a house last year and was able to buy a better stereo system than I had in the apartment. Neighbors are like that even if you live in a house. I still get the occasional complaint.

Subject: Re: Amps for Home
Posted by GoldenOldie on Mon, 06 Nov 2017 22:43:08 GMT
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This is a great explanation! Thanks for making it sensible for me. Now I understand about gain vs. wattage and how to get the best sound possible. Thanks.