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MWROXQ - SEMAJ LEBLANC

The second rule of thumb of this matching amplifier to speakers guide: Match your speaker's ohms to the ohms that your amplifier can handle. Now, amplifiers are generally designed to work with 4, 8, and 16-ohms speakers. But it is very important to know exactly what your amplifier can handle.

An example would be, 1 x 200watt RMS 8ohm speaker per channel should have an amplifier capable of delivering 300 - 400watts RMS per channel at 8ohms, and if you use 2 x 200watt RMS 8ohm speakers per channel, you then have 400watts RMS of speaker power handling to play with, this time with a 4ohm amplifier load, and you require an amplifier capable of delivering 600 - 800watts RMS at 4ohms, and so on.

Understanding Guitar Amps Watts, Ohms, and Speaker Wiring ...

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Matching speakers and amplifiers: A few essential tips

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The term 'rule of eighths' is used as a rough guide. Divide the headphone impedance by 8, and that is the maximum source output impedance (32 ohm headphones / 8 = 4 ohm maximum source output impedance). In practice, it isn't that strict a rule and often success can be had with a greater range.

Regardless if one is working with factory or aftermarket speakers, the amplifier must provide enough power to all the speakers in the system. Ideally, the amplifier must be able to provide around 75 to 150 percent of the RMS value of the speakers in the system.

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The Truth About Matching Amplifier Power to Loudspeakers ...

Because modern amps have features that allow them to determine the impedance of the speaker cabs, it is best to match two 4 Ω or two 8 Ω cabinets to avoid “confusing” the amp. A “confused” amp may fluctuate in power output and cause damage to the amp. So matching Ω (ohms) in multi-speaker setups is important.

Previously I posted looking for speakers and amplifier recommendations for my Audio Technica AT-LP160 turntable. Now I just like to ask if the speaker and receiver that I decided to buy are compatible. Speakers : Pioneer SP-BS22 Bookshelf speakers (6 ohms / 80w / 2.83V: 85dB) Receiver : Harman Kardon HK-3390 Steereo Receiver (8 ohms / 80w x2)

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This matching amplifier to speakers guide won't be too technical and heavy on various mathematical equations. That's for advanced gearheads who tend to sell amplifiers and speakers. There won't be any overly scientific discussions regarding dampening or electromotive force, and slew rate. It'll be much simpler, as befitting your audio ...

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How to Match Speakers and Amps | The Master Switch

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