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Subject: New Member with Vintage PA Question  
Posted by [Dkes](#) on Mon, 06 Aug 2012 23:24:18 GMT  
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Great site guys! I'm a new member and I've done an appropriate amount of due diligence in searching the existing threads for an answer to my question, and alas could not find what I was looking for. I have a K 300-5 PA that I use for vocals in my bands practice room. I've had the PA for many years and have used a pair of Fender LTB-10 speakers (8ohm, program 120W). I'm looking for suggestions or examples of what mfg. and type of speaker would be well suited to match with my PA. I would also like to find an appropriate way to use the monitor output for stage monitors. Please note that all this "ohm", "rms", "watt", verbage is close to a foreign language to me. I'm reading up on it, but I'm far from an expert. Thanks for any help or suggestions that you guys can give me.

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Subject: Re: New Member with Vintage PA Question  
Posted by [steven](#) on Wed, 08 Aug 2012 17:06:16 GMT  
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Hello and welcome!

The K300 head is rated to output its full 150 watts of clean power into a 4 ohm load, so when used for PA with two cabinets they should be 8 ohms each, which 95% of all pa cabs are.

The two cabinets that you use should be rated for 100 watts of power, but in all liklyhood even PA cabs rated for 50 watts should hold up for vocal rehearsal in a basement or garage.

With any Solid State amp you can always use it to power a higher impedance speaker, like 16 ohms for example, but you should never go lower than the 4 ohm rating for the K300. Every time you double the impedance that the amp is driving you will get about 1/3 less output wattage, so going from powering a 4 ohm load ( by way of two 8 ohm cabinets) and having the full 150 watts of clean power to a 8 ohm load you end up with only some 85 watts of clean power.

Back in the era when these amps were made they rated amps at their peak power output, hence the K300 model name.

Today amps are rated at their RMS power output.

In short, your Fender speakers will work just fine, but their bass/low end response will be a bit on the light side with only a 10" driver for lows.

The K300s monitor output needs to be put to a power amp first to drive any monitor speakers.

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Subject: Re: New Member with Vintage PA Question  
Posted by [Dkes](#) on Wed, 08 Aug 2012 17:49:57 GMT  
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Thank you very much for taking the time to reply. So, it sounds like it won't be too difficult getting the equipment that I need. I just missed out on purchasing a pair of the matching vintage cabinets with the horns and casters that were made for the 300 head. I'm really crushed about that. I was hoping to refurbish the whole lot.

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