

Forum:[Hack Forums](#)

Thread: [Help with MICROPHONE](#)

VHeathy - June 30, 2019, 5:47 pm

Hey all, I've recently been looking for a great DYNAMIC microphone that has a great oomph for podcasting, i currently dont know what to get and need something that is going to cancel out as much background noise as it can. I've been looking at PODCASTAGE, (microphone reviewer) and i have had my eyes on the Audio Technica AT2010 for a while. JUST so damn hard to choose.

any opinions or have any good experiences with mics, let me know. ?

webdev77 - June 30, 2019, 6:59 pm

I am not an expert on podcasting equipment, but I can tell you that the AT2010 is a condenser mic that needs a 48V phantom power source and is not a dynamic mic. The Shure SM7B is one of the best dynamic mics that podcasters tend to use.

VHeathy - June 30, 2019, 7:03 pm

(Jun 30, 2019 06:59 PM)webdev77 Wrote: [\[CITE\]](#) I am not an expert on podcasting equipment, but I can tell you that the AT2010 is a condenser mic that needs a 48V phantom power source and is not a dynamic mic. The Shure SM7B is one of the best dynamic mics that podcasters tend to use. i realised this after i posted, my bad. sm7B is a great mic but is out of my price range unfortunately

Capn_N3m0 - July 1, 2019, 12:06 pm

Just curious why you're looking at dynamic mics only?

Is the phantom power that big of a concern? Most cheaper mics these days are electret condensers that can draw their power off a USB cable.

If you're using any kind of external rig for the setup/install, I can't remember the last time I saw an audio console of any size that didn't have phantom power to it.

Either way, if that's the price range you're looking at, I would go with either a SM57 or SM58 by Shure; the key difference between the two being that the SM58 has an EQ bump around 2-3 KHz for intelligibility, whereas the 57 has a 'flatter' EQ curve. Both are insanely tough mics, with a very 'standard' sound that people are familiar and comfortable with. They run \$100 anywhere you check online, but you can almost always find them for \$80-90 if you really shop around.

Some other mics that fit the bill are the Sennheiser e835, the AKG D5, the Audix OM2, the CAD D90--all of which are basically designed for the same purpose and budget. I'm pretty sure that I've used them all professionally, although for that price and purpose, I am generally not paying that much attention to the branding, as they all sound pretty similar. If I had to pick a favorite, I would probably say the e835 sounds and responds slightly better than the others, but it's barely noticeable for most people.

VHeathy - July 2, 2019, 2:48 am

(Jul 1, 2019 12:06 PM)Capn_N3m0 Wrote: [\[CITE\]](#) Just curious why you're looking at dynamic mics only?

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tbh, i think im just too new to the mic and audio scene that i don't even know what im talking about, ive had my eye on the SM58 for a bit now, basically what im looking for is something that will pick up VERY minimal background noise, thank you for the response, this was really helpful.

might snatch the 58.

Capn_N3m0 - July 2, 2019, 6:01 pm

(Jul 2, 2019 02:48 AM)VHeathy Wrote: [\[CITE\]](#) tbh, i think im just too new to the mic and audio scene that i don't even know what im talking about, ive had my eye on the SM58 for a bit now, basically what im looking for is something that will pick up VERY minimal background noise, thank you for the response, this was really helpful.

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That has more to do with the gain setting on your input. Condensers have a pre-pre amplifier in their circuitry, as well as how the transducer generates an electrical signal from the mechanical pressure waves. Dynamic mics use a permanent magnetic field to do the same thing. typically, in a noisy environment, dynamic mics are better for losing background noise, but it also has to do with the polar pickup pattern of the microphone, if the noisy has a particular directional component to it.

Using a hyper-cardioid mic instead of a cardioid, bipolar, or omnidirectional mic can also help with eliminating background noise, unless your room is not treated, and has large flat hard surfaces.