Removing Distortion With DC SEVEN

Many of you are starting to get DC7 now so we thought we'd tell you about an ability of the product that most of you won't know about.

This new feature allows DC7 to greatly reduce a super annoying type of noise called Intermodulation Distortion. I know some of you are saying, "Huh, what's that?", but even though you may not know what it is you have likely heard it and perhaps heard it many times.

Intermodulation Distortion is that high pitched, raspy, kind of "fingernails on the blackboard" sound that can come from worn records. 45rpm records often have this problem since they were frequently played hundreds of times, but well loved LPs can certainly have it too.   Still not sure what it sounds like? Then download and listen to this sample. You'll hear the distortion in the lead vocals.

Click Here To Listen

So what to do? Distortion cannot normally be repaired with digital audio programs. But DC7 isn't your normal program. It can sometimes work a miracle on this type of IM distortion. After you listen to the problem, fire up your DC7 and let's fix it together. To do that, follow these steps:

1. Open the file if you haven't already
2. Bring up the Continuous Noise Filter set to Normal CNF mode. Set FFT size to 8192 and overlap to 50%
3. Check the Artifact Suppression checkbox and set the Artifacts slider to about 200.
4. Take a noise sample from the noise at the beginning and adjust the attenuation slider for good noise reduction. Ignore the clicks and the raspy distortion for the moment
5. Now click on Keep Residue and adjust the Artifact slider upward until you hear the raspy vocals being removed
6. Lastly, uncheck Keep Residue and dial in the final settings.

I think you'll be very pleased at the improvement in this file. Before, it was hard to listen to due to the IM. Now it's just hard to listen to because of the song itself.

As far as we know, there is no other product out there that can deal with this type of distortion. Just another reason to upgrade to DC7…

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