CH1: How to find out if yours in digital or analogue

by **visserman** » 14 Sep 2012, 10:40

Do you have two (or maybe even more) CH1's? Okay for all of you who may think CH1 is not worth anything, move on to better things.....

For those of you who have a few: Have you ever wondered what all this talk of "analogue versions" is about? Okay, there is the serial decoder (Thanks Heaven eh?!) But still, what do your ears tell you when you compare them, now you know that one of them is certainly analogue?

Up and till a few days ago I used to think they sound very similar, I did hear that one of them was a bit more bassy but anything different from that.....well that should be the give away, but this is so sublte. Let us do this in a different way so you can really tell!

Connect only the mono output to your amp, connect pedal to guitar, volume gtr. open, but do not play (put guitar on stand, or hand it over carefully to your girlfriend, wife or mother) . Put your amp's volume at listening levels, maybe a tad higher than you normally have it---hey your are not playing and we are going to listen to noizzzzzzzzzzzzzz----
Max out on the CH1 the level and EQ control, keep the rate and depth down for now. Bring up the rate control, set it almost to max, at this point you should hear the analogue version making its whooosy sound (think Flange and the sound they can make when you are not playing---it is from this sound where the effect did get its name after all----)
Now open up the depth control the whoosy sound should become more pronounced.

Try the same with a digital version, and ,with the depth control all the way down, you will not hear much at all. You will need to open up the depth control a lot further to get a similar sound, and still the sound will be weaker (cleaner) if you like.

Can you actually hear any of these differences when you start playing with both pedals? If you know what you should be listening for, yes you can. You can train your ear to hear these things. Is it important? Naaah, just a bit of fun really. Overal both versions are quite close in sound. Do not think that the analogue version will sound like a CE2 or anything like that. It remains a lighter kind of chorus after all.

visserman

Re: CH1: How to find out if yours in digital or analogue

by **Pepe** » 14 Sep 2012, 12:31

The noise in the analog version is the reason why I sold my CEB-3 a while ago. I want to try the digital version some day. I hated the background noise of the CEB-3 - nonetheless it is a very fine pedal.

Pepe

Re: CH1: How to find out if yours in digital or analogue

by **zentropa** » 14 Sep 2012, 21:11

Something else you can tell by...

If your amp is at a low to moderate volume, e.g. The volume you'd set your surround sound to watch a movie at, bordering on too loud to talk over but not loud enough to be heard with a live drummer...

The oscilating waves of an analog chorus will make your speakers push along the waveform. This doesn't happen with a digital chorus pedal unless your amp is cranked.

zentropa

Re: CH1: How to find out if yours in digital or analogue

by **Zerksies** » 14 Sep 2012, 23:55

well open it up and if you see actual capacitor's and resistors instead of SMD components you have an analog one

Zerksies

Re: CH1: How to find out if yours in digital or analogue

by **zentropa** » 15 Sep 2012, 06:53

I think he was going for ways that don't involve opening it.

zentropa

Re: CH1: How to find out if yours in digital or analogue

by **Zerksies** » 15 Sep 2012, 16:47

Ok, if you have a pink or a blue label it's analog, if it does not have a label you will have to open her up.Then go with my previous statement

Zerksies

Re: CH1: How to find out if yours in digital or analogue

by **zentropa** » 15 Sep 2012, 18:29

Dark grey label w serial number having a second letter A-O works as well. There are also some early paper serial # ones.

I do believe the purpose of this post was to pinpoint exact differences tonally though.

zentropa

Re: CH1: How to find out if yours in digital or analogue

by **visserman** » 17 Sep 2012, 10:35

Yep that is it. Those differences may be useful in a crowded mix where the analogue one may be just the ticket. It may be a small difference but also very useful one at the same time.

visserman