

## Flattening Your Room In A Few Easy Steps

Over the last couple of years, we've had several articles that discussed flattening various parts of your stereo system. We introduced our flat preamps (which have been a very big hit), discussed how to flatten the response of a phono cartridge using our LP Test Record and more.

This month, we want to focus on flattening another part of your audio system - your room! You see, just like your audio equipment, your room is not perfect. It may have that lovely shag carpet which absorbs your bass, or it may have other anomalies that affect the sound you hear. And just like with the other parts of your audio system, we can do something about this.

The answer is to use Diamond Cut and the Make Waves function to create known signals and then play them into the room. I'd create some white noise, and some tones. You can just burn these to CDs if you want and play them thru your system. If you want a LARGE library of 297 signals on 3 CDs, you can get our **DCAT3 CD set** and you are ready for just about any situation.

As these known tones are playing, you just connect a microphone to your computer and use the spectrum analyzer in Diamond Cut in Live Mode. This will give you a real time view of the audio right on your computer screen. The microphone should be placed at your listening position. You then use an EQ, or tone controls, or Diamond Cut to flatten out the signals that you see on your screen. Once the signals shown on the spectrum analyzer match what are actually being played, you have flattened your room!

You probably already have everything you need to do this except one thing - it's called a Reference Microphone. A Reference Mic is tested and chosen to be as flat as can be across the audio spectrum. You'd think most mics would be that way, but they are typically not - high end mics get some of their great sound by being less than perfectly flat, and low end mics aren't flat because they are low end.

Our new reference mic solves this problem. It's tested and calibrated to be flat so you know that your signals are being accurately recorded. While the mic is normally used to "tune" a room, it's also a good mic that you can use for vocals too. The best part...it's only \$89.

To Order The Flat Mic, click on the link below:

<http://www.tracertek.com/khxc/index.php?app=ccp0&ns=prodshow&ref=MM01Test>

To Order DCAT 3 Testing CDs, click on the link below:

<http://www.tracertek.com/khxc/index.php?app=ccp0&ns=prodshow&ref=DCAT3>