

Introducing I.Q.- The World's First Intelligent Equalizer

ID introduces the next generation of DSP: I.Q. It is not made to replace traditional track EQ (though it well could) but is intended to be an intelligent tool that can learn and automatically alter the spectrum of any audio signal to match that of any other signal (or I.Q. template). You can make your new guitar track precisely match the tonal characteristics of any older guitar track (or vice versa). I.Q. can do fast, exact matching of a punch or replacement with accuracy beyond anything you thought possible. It can even match M.I. amps and microphones! Try it for precision mastering.

You can also use I.Q. to match the overall spectrum of your entire mix to that of a favored reference mix or even any commercial CD track, automatically!

How does I.Q. work? —————

I.Q. learns the sonic spectrum of a take, track or song— mono or stereo— then constructs a complex filter that matches the spectrum of the new material to that of the original reference material.

I.Q. has two user modes— *intelligent* and *manual*.

I.Q.'s *intelligent* mode involves three simple steps:

1) You first teach I.Q. the desired spectrum by showing it reference audio— any vocal or guitar take you want to match, a CD track or even an entire CD. Or you may choose to load a reference model from one of your own custom I.Q. libraries. Yes, I.Q. supports the saving and recalling of both reference templates and manual correction filters.

2) Next, let I.Q. learn the spectrum of the material to be corrected. The new material does not have to be the same length as the reference material, nor does it even need to be the same type of music.

3) I.Q. then designs a *mono or stereo FIR* curve fit algorithm that runs as a conventional TDM plug-in anywhere in your Pro Tools audio path.

I.Q.'s *manual* mode allows you to hand draw any imaginable curve. I.Q.'s complex filters are not bound by any parametric or shelving limitations. You are not limited to four or even thirty bands. Draw as many peaks and notches as you wish! You may even drag-edit or arbitrarily redraw over the corrective EQ curves generated by I.Q.

All filters automatically created by I.Q. may be edited and scaled (compressed or expanded) by the user at any time, with 20 undo levels, in order to minimize or exaggerate the applied EQ spectrum.

And what does I.Q. sound like? —————

- I.Q. has no "sound" of its own. It is completely transparent. It learns and applies the sound of the original audio reference sample (including any EQ used) to the tracks that are being processed.

- I.Q. is the world's cleanest and most versatile EQ. I.Q.'s FIR filter model WILL NOT damage your audio in any way. No matter how complex or extreme the corrective filter curve may be, I.Q. will not introduce *any* phase shift or ringing. This means no mush or boominess, no transient slur, no brittle high end! In fact, if the reference model is tighter than the tracks that you are processing *your tracks should actually tighten up accordingly.*



The I.Q. control panel



◆ INTELLIGENT DEVICES

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