DCART10 DETAILS

DCart10

DCart was designed for transferring your old vinyl records to CD's, doing 78 or cylinder restorations, cleaning up old radio shows, and even restoring your old reel-to-reel tapes. You can record, edit and playback alls kinds of files with the right tools to restore them to their original (or better) lustre. DCart can be your audio media center to playback and organize all your audio in one place.

Diamond Cut DCart10 builds on the previous DCart foundation and adds many new features to make it a "State of The Art" audio restoration system. We have again listened to our customers and added enhancements to many aspects of the program . We have improved the click detection and replacement with the addition of our Big Click Filter, added new audio enhancement filters and updated the CD burning capability with a full featured CD and DVD burner. We have added direct support for many more file types like Broadcast Wave, Ogg Vorbis and FLAC files.

Be Sure to check out our before and after page for some dramatic examples of what DCart can do!

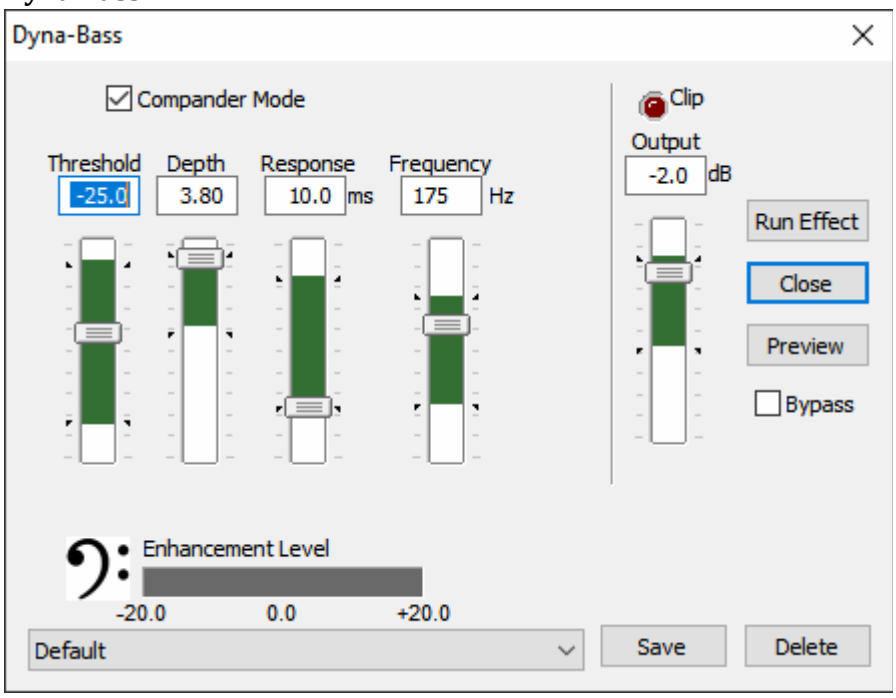
Here is a list of DCarts's features:

Big Click Filter

The Big Click filter automatically detects and repairs clicks lasting much longer than the standard click algorithm. Clicks lasting 100's of milliseconds can now be effectively found and repaired automatically. The big click filter uses our new spectral

interpolation algorithm for a dramatically better repair than you ever thought possible.

Dyna Bass



The Dynamic Bass Processor is a new effect that allows you to add bass to your audio while removing or separating it from rumble and noise.

Overtone Synthesizer

The Overtone Synthesizer Filter generates an octave higher harmonics to add life to “dull” or limited bandwidth recordings. This effect is different and complementary to our VVA harmonic

enhancer. See below for an example of what it can do:

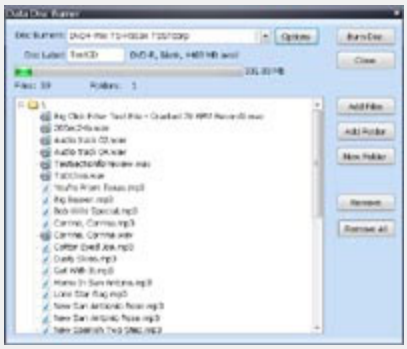
The Sub Harmonic Synthesizer adds bass or sub-bass an octave below the exiting low frequencies. You can use it to add impact to almost any recording or to re-construct a lower octave that may have been missing in a restored original.

To see what can be done to an old cassette recording, listen to the following before and after recordings. Paramount Organ and Piano Recital Before Paramount Organ and Piano Recital After processing with the Overtone and

Sub Harmonic Synthesizer

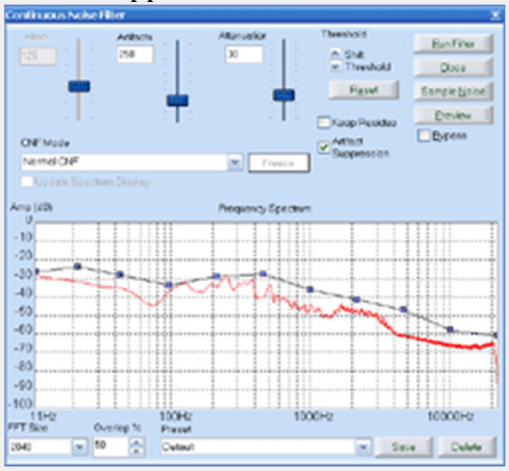
Sub Harmonic Synths

DVD Burner



DCart Includes a DVD burner so you can burn CD's, DVD's or Blu-Ray disks to backup your work. The data burner works with ISO9660 or Joliet file systems and can burn Track-At-Once or Disk-At-Once modes with single or multi session disks.

Continuous Noise Filter with artifact suppression



The Continuous Noise filter is used for getting rid of constant background noise such as hiss and surface noise.

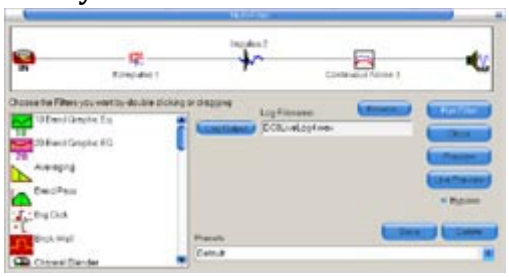
Our new technology reduces the aliasing and artifacting that sometimes affects the quality of the sound when you're pushing the Continuous Noise Filter to its limits. As

you increase the power and amount of filtering on a tough file, in the past, you could generate new noise called artifacting. Th is machine-like ghosting was quite annoying and we'll be very happy to see it showing up much less in our restorations. Artifact suppression mode helps you push the Continuous Noise Filter harder without yielding these disturbing results!

The CNF filter also features an adaptive mode, This intelligent filter adapts itself to the changing nature of the noise in your file. As it gets smarter, your

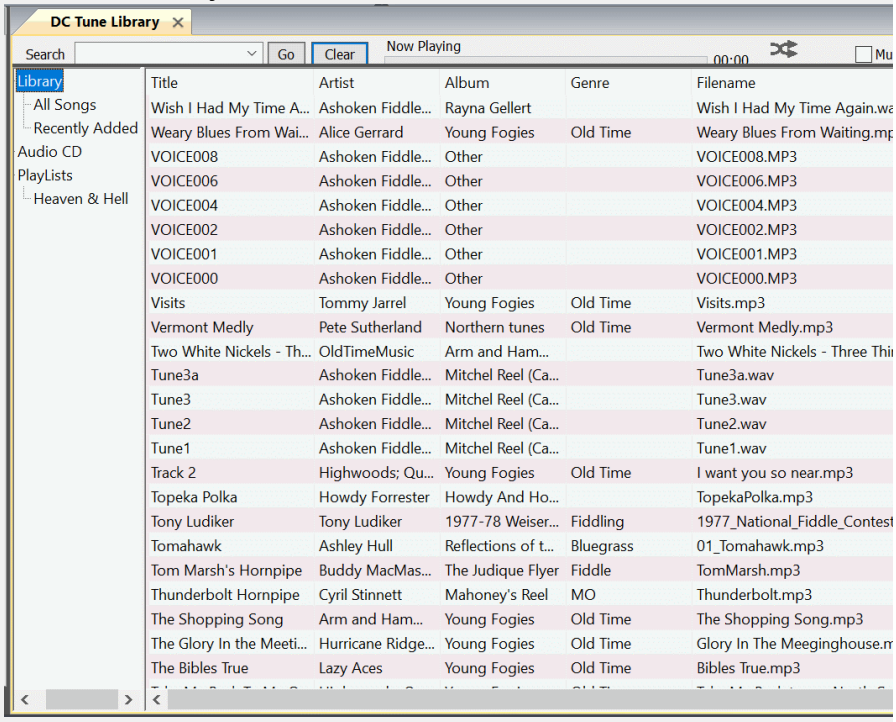
noise disappears.

Skin System



You can now change the overall appearance of DCart suite your mood or visual preference. We have included the ability to use the Windows Skins to change the style of the various screen elements that make up visual style. We have included a base set of styles and you can add your own.

DC Tune Library Database

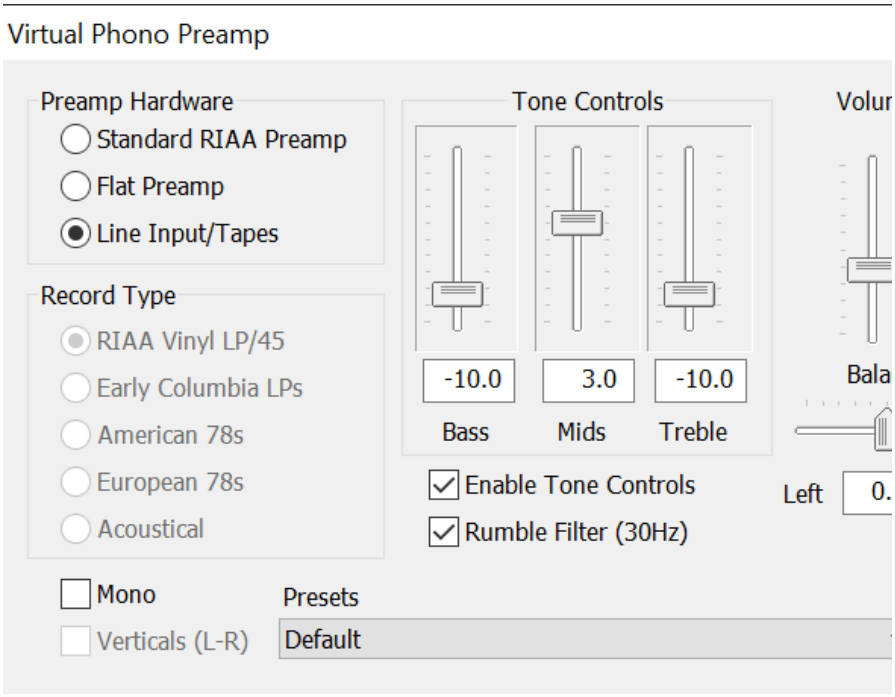


This is cool feature that increases both the power of DCart and the uses for the product. The Tune Library is a database view that now lets you store, audition, and catalog your entire collection…all within the familiar confines of DCart. You can build playlists, burn CDs, track every single audio file on your computer…with out ever having to copy it to one folder! It supports MP3, WMA, FLAC, Ogg Vorbis and your wave files all in the same environment and makes it easy to organize your entire portfolio of audio.

Best of all you can play all of your music through any of DC8's filters or effects without

going into waveform editing mode. **You can now play, or shuffle playback all files thru the multifilter with a different preset for each tune.**

Virtual Phono Preamp

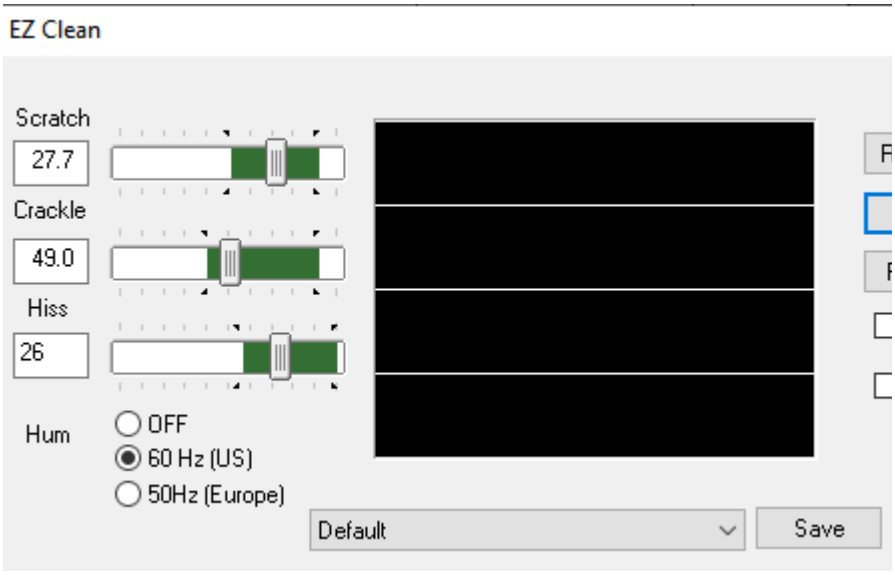


This novel new approach to RIAA equalization offers more accuracy and better sound to any record type. The Virtual Phono Preamp works great in conjunction with our flat phono preamps and offers you the best possible approach and most accurate EQ ever developed for vinyl restoration. Thi s powerful new approach also includes a 3-band EQ, gain adjustment, balance controls and a 30 Hz Rumble

	filter to make recording your files a breeze…no matter what setup you present to DCart.
The Multi-Filter with LIVE Feedthrough	You can select multiple different filters (up to 20) to apply to your audio in one filter pass. You can apply click and hiss removal to clean up your file and then, in that same session, add some reverb and equalization to enhance your final product. This is a great time saver because you can handle many tasks in one single pass through your audio. You don't need to necessarily have your audio recorded to the hard drive to take advantage of the numerous features of

DC8. Live mode allows you to run dirty audio in the inputs of your sound card, set up your numerous filters on the screen and have cleaned audio flow out the output of your sound card in real time.

EZ Clean



One click noise reduction. Even the most inexperienced user can clean their treasured vinyl and tape recordings with one click of the mouse. DC 8 includes a powerful new automated system that seeks and destroys clicks, pops, hiss, hum and other disturbances common to older recordings.

Easy DeClick and DeCrackle(Improved)

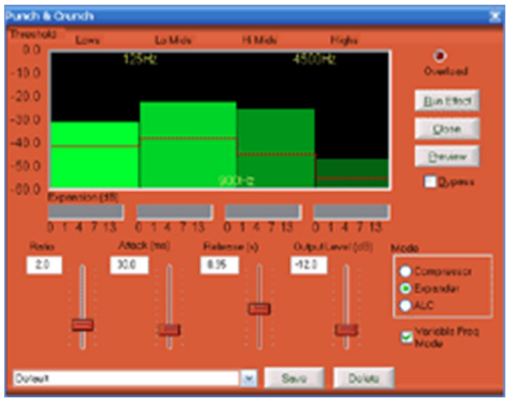
This is an “easy to use” click and pop noise reduction filter. I works great on all but the

most difficult material and has been optimized to find the most common types of impulsive noises. With DC8 you can also remove Big Clicks in one pass with the Ez Declick filter.

For DC7, we improved just about every facet of our Impulse filters and you'll notice enhancements down the line with every slider you move…but most importantly, we've added a new checkbox that makes special consideration for brass and strong vocal passages that used to confuse the filters and remove good audio. With this new enhancement, you can push the Impulse

filters to new heights and achieve even better results over competing products.

Punch And Crunch

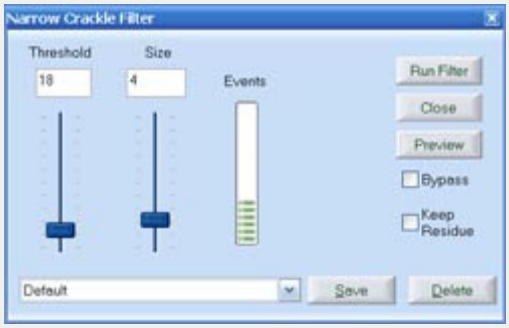


This cool feature is a four band dynamic expander (punch) and compressor (crunch). It is a great method for breathing new life back into recordings or mastering your own recordings to sound best on the radio. This has been enhanced in Version 7 with an additional band (4 instead of 3), variable frequency crossover points and symmetrical slope crossovers. **Variable Frequency Mode** allows you to move around the crossover frequencies with your mouse

and **Symmetrical Third Order Crossovers** improve the selectivity of the filter

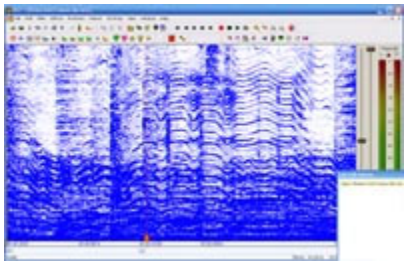
This filter is also very effective and bringing out vocal from a noisy recording. Its dynamic nature make it easier to use than a traditional compressor/expander

Narrow Crackle Filter

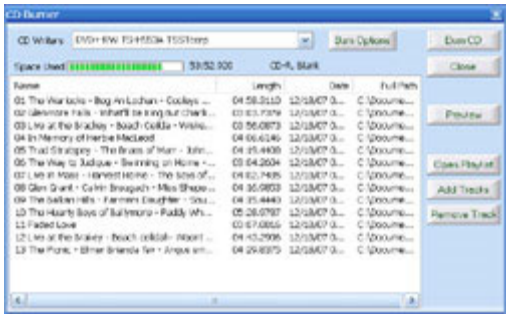


Many times during restoration, you come across tiny clicks that lie just beneath the surface of your good audio that are hard to eliminate with standard click removal techniques. We saw these lemons and made lemonade with our new Narrow Crackle Filter. After the Standard or Easy Impulse filters have

	done their jobs, a new step will be the Narrow Crackle Filter that cleans up the minute clicks you used to have to live with.
Stretch And Squish	Now can make major changes to both speed and pitch of your audio files with no discernible difference in quality. Where the old time compression expansion tool was effective with only about a 10% increase or decrease in speed, you'll be amazed with what you can achieve using the new guy. Even if you've never used this tool before, you must try it…if nothing else but for the "giggle factor".
Spectrogram View	Used to be, you had to be a Forensics

	specialist and pay $1400 to get the Spectrogram view in your audio restoration. No more. The spectrogram view is sort of like an X-ray for sound. Someti mes stray clicks and pops can hide within the standard Time Domain View that you're used to seeing with virtually every audio editor. The Spectrogram let's you peer into the Frequency domain in a way you've never seen before. Those hidden clicks stick out like a sore thumb in the Spectrogram.
Full Support for popular file formats.	DC8 has added full support for **Ogg-Vorbis, FLAC and Broadcast wave** to our existing support of **Wav**, **WMA** a nd **MP3**

CD Burner (Improved)



We have a full featured Audio CD burner. Your can burn **Disk-At-Once** or Track-At-Once disks including support for CD Text writing. You can make CDs with our Easy to use Drag and Drop System our use the DC Tune Library.

You can also import WLS, XML or M3U playlist formats into the DC Tunes Library.

EZ Enhancer

One stop quick and easy enhancement plus tone controls . Even though this filter is easy to operate, don't be fooled. We have combined our best enhancement techniques into one filter with a bunch of presets and a very simple set of controls. This should be your first stop for

putting the finishing touches on your restorations.

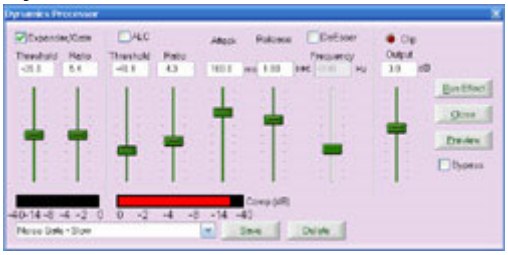
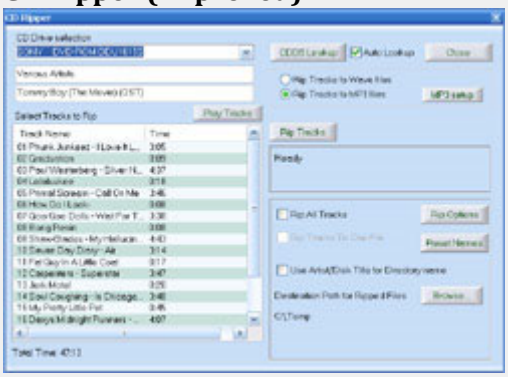
Better yet, use this filter Live in the Multifilter while playing back Tunes from the DC Tune Library.

Many folks prefer the sound of tubes. The VVA is a tube simulator that allows you to re-create the sounds of many popular tube preamplifiers of the past.

For DC7 we added a new High Noise Suppression mode to aid in enhancing noisy recording plus added New Pentode 6267-EF86 Tube and MOSFET 2SK-175 transistor types.

sing the FAT BASS section of the Virtual Valve

Virtual Valve Amp lifer Enhanced

	Amplifier, you can build up weak or inadequate bass lines in your favorite tunes and get those floors rattling again.
Audio Playback Scrubbing	Rock the reels to find an exact spot on the tape (well,a digital recreation anyway)
Dynamics Processor 	This is a complete compressor, expander and noise gate in one filter. We have Increased Range of Attack and Release for a much better Noise Gate
CD Ripper (Improved) 	Directly Convert your CDs to MP3, Ogg, FLAC or WAV files (New for DC8) Automatically look up CD information from the internet Optionally Rip All Files to One Track for easier

for processing full CDs worth of material.

Added flexible file naming for creating meaningful file names on your tracks.

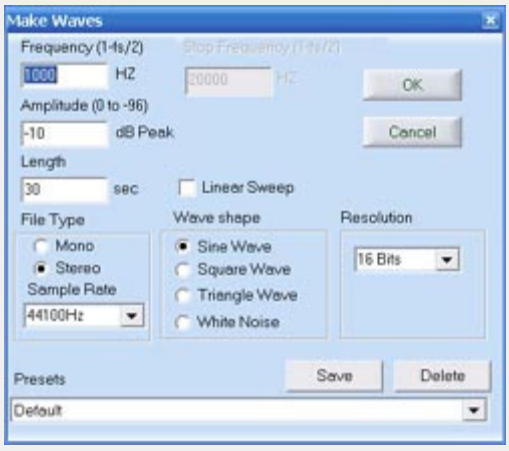
Added adjustable Rip speed limiting for better more accurate transfers.

Automatically adds DC3V2 MP3 tags to ripped files.

Sample Rate Conversion

Change sample rate and bit depth on any file.

Make Waves



Create waveforms from sub bass to supersonic, you can create waveforms for effect or audio measurements with the “Make Waves” generator. Great for testing your audio system or your hearing.

	New in DC8 is the ability to save and recall presets like all of our standard filters. We have added dozens of presets already.
Standard Filters (LP, HP, BP,Notch)	**All the necessary tools to do what needs to be done.** Low Pass, High Pass, BandPass, Median, Average IIR type filters in Butterworth and Chebyshev configurations and multiple slopes. These filters come in handy for removing rumble, DC, whistles and other steady noises that corrupt your recordings.

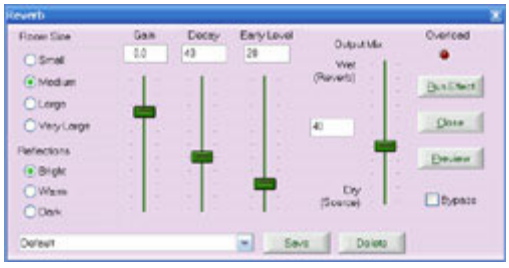
Record music with no time limit

Record from any input your system supports and Easily navigate to your sound card's mixer to adjust input levels on recording.

The wave file format has a 2 gigabyte limit. For those of you recording long radio shows or other events, this can be a real problem. Not with DC8 Though we can't fix the problem for Microsoft, we can find a nifty way of working around it. As we approach the limit, we simply stop the recording and open a second file. You get your whole recording…just split into several files.

Batch Editor with Auto Leveling

Got a bunch of files of varying

	volumes that you'd like to make into a CD? No problem, just go into our Batch File editor and tell it to Auto Level these files. The Auto Leveler will raise the level or normalize all of the files so that your CD level will not fluctuate during playback.
10 and 20 Band Graphic EQs 	The standard equalizer filter in both 10 and 20 bands. Another powerful and easy to use enhancement and noise reduction tool.
Reverb 	Yes real reverb…
Echo Effect	The Echo Effect contains two independent delay lines,

	which can be used in a number of different modes providing it with a great deal of flexibility compared to the old analog systems. Because it performs its function utilizing digital techniques, it does not suffer from the noise and distortion buildup associated with the older analog systems.
DeClipper	Very often, files will become "clipped" if the input on the sound card is turned up too high and the sound card is overloaded. The results are usually distortion and a waveform that is "flattened out" on top. The new DeClipper helps remove this distortion and reform the waveforms.

Fast Multi-Tiered Editor	There are two modes of graphical editing, the Classic mode and the Fast Edit mode. The Fast Edit mode of operation allows instant editing with each level saved in the Fast Edit History Window, so instant undo over numerous levels is easy. Cut/Copy /Paste instantly…regardless of file length. Right Mouse Button "Preview from Here" for quick preview without zooming around
Output VU Meters	Two 100 segment VU meters can be displayed which will indicate the output of any filters that are being used. These meters indicate the level of the left and right

	channels and have both average and peak reading ballistics.
Direct X Support	Now you can use your favorite DirectX plug-ins within the DC8 operating system. You can even use them in the DC8 Multi-Filter.
Multi-Codec Sensor Support	Automatically scans your system for Codecs and adjusts to whichever ones you have installed on your machine.
AVI Audio Support	Many of our customers wanted the ability to open an AVI file and extract the audio for editing. Many of our customers will now be happy! You can play an AVI within DC8, you can select an

	area and extract the audio.
More Presets	Now over 1270 Included!
And more….	Please download the demo and give it a try today. There is really no substitute.