

Basic Setup for Diamond Cut Productions Software

Preliminary

This document is intended to lead you through the basic setup and installation of either of the two major Diamond Cut Productions, Inc. software products. You will be using DCartXX.XX for Commercial Audio work and DCForensicsXX.XX for Forensics Audio work. Both demo versions can be found on the Diamond Cut Productions Inc. website store (www.diamondcut.com) under the shop/software section. These free demo versions will work unencumbered for 15 days following installation on your system after which you can make the purchase if they suit your needs. Both versions can be downloaded and installed and evaluated without risk of any interference between the two.

Step One – Make Sure Your System Meets Our Requirements

Most machines today are more than capable of handling extensive audio signal processing techniques. Hard drives have also grown to a point, where you really have no limits on what you can do...except perhaps time. As we've not yet developed time manipulation outside of the computer, let's just deal with what you'll need in the way of a PC system. Here are the minimum system requirements:

- Intel Pentium 4 or better (previewing large numbers of filters strung together in the Multi-Filter may require higher power processors). Faster floating point performance and higher CPU clock rates are better. A Core i5 processors or better is recommended.
- 16 bit (or better) Stereo Sound Card having line level inputs. Real-time feed through requires a full duplex sound card that can record and play at the same time.* Note: Sound Card must use Windows DirectX or WDM drivers.
- 4096 Mbytes of memory (RAM) minimum for Windows 7, Windows 8**, or Windows 10 and & 11.
- Windows 7, Windows 8 (32 or 64 bit), and Windows 10 or Windows 11 (Windows 10 is the preferred Operating System for this software).

- Audio Source Material
- A high quality Audio Delivery System (to interface whatever source recordings you have into your computer system).
- A Hard Drive with enough space to accommodate your .wav files. A formula is provided to calculate the space requirement but, you should have about 2.5 Giga bytes free to make a full audio CD. (The program itself only requires about 45 to 70 Mbytes of space, depending on the version).
- Mouse, Keyboard, and Color Monitor
- A High Quality Set of Headphones (required for Forensics Audio work)

Note: You will also need an internet connection in order to download the Diamond Cut Software.

* After installation, you will possess the state-of-the-art in technology for audio restoration, enhancement, audio measurements, forensics file surveillance and authentication. If you haven't yet replaced the sound card that came with your computer (which is probably the lowest quality audio component you own), consider purchasing a high-performance unit. Your audio restoration results will only be as good as the weakest link that your audio chain allows. Maybe that's a good item to add to your "wish list".

** If your computer has more than the minimum required memory to run your OS adequately, further increases in the quantity of RAM will not appreciably speed up the DCArt10 / DC Forensics10 algorithms, since they are almost totally limited by the processor. Upgrading to a faster processor will allow the filters to run faster.

Most DCArt10/DCForensics10 algorithms use a single thread and will not be appreciably sped up by multi-core or multiprocessor CPUs.

***This product uses DirectX and requires DirectX 9.0 or higher.

Some older computers may require additional component installations.

Step Two – Downloading and Installing the Software

- Go to www.diamondcut.com/Shop/Software/ (choose between the Diamond Cut Audio Lab or the Diamond Cut Forensics versions).
- Download the Demo version (shown in **Red Font** to an appropriate sub-directory on your C drive). You download it to the "Downloads" or the "Desktop" sub-directory that already exists in the operating system.

- You can chose to purchase the product at this point in time, or later after evaluating the demo version(s).
- Next, install the software onto the C Drive of your system. You can review the license agreement and if you agree to it, check the appropriate box and the installation shall continue.
- We recommend accepting all of the factory defaults for simplicity sake. But, you options that you can exercise if desired during installation. When the installation has been completed, the installer will place an icon on your desktop providing you will easy access to the program when needed.
- To launch the software, double-left click on the icon using your mouse. Shortly after you do that, the splash screen will show followed by a “Tip of the Day”. (You can chose to block the “Tip of the Day” after future launches via a checkbox in the Tips window).

Step Three: Setting up the Software for your System

- In most cases, the software is now ready to operate. It defaults to Fast Edit mode (FE Icon) or can be switched over to Classic Edit mode (Source and Destination).
- You can select from a wide array of feature modifications from via the Edit/Preferences/xx pathway. The most common soundcard driver are the WDMs. You can also switch to the input and/or output that you desire under the Edit/Preferences/Soundcard tab.
- The Help-file is context sensitive for convenience. The Help-File is extremely comprehensive and includes a search engine.
- Help menu (and also can be found under the Diamond Cut Productions grouping).
- If you are running in demo mode, the software runs without any crippling of any of the functionality for 15 days. At that point, if you had not already purchased the product you have the option to do so. The program will prompt you at that point.
- To perform a basic functional test, you will find a Getting Started Demo .wav file under the File menu (upper left side of the User Interface)

Step Four: Registering the program

If you decide to purchase the program (or have already done so), you will receive a serial number in your email within 24 hours of the sale. The serial number consists of 25 figures in 5 groups of 5. Please copy and paste that serial number into your software. You will be required to enter your email address into the program too. Then, the Diamond Cut Inc. system will return your registration number to your email address (12 figures). Copy and paste that set of figures into the software and then you will become a full time licensed owner. You are permitted one user per license and each user is entitled to up to two computers. If you have any questions, you can contact us at support@diamondcut.com or 973-316-9111.

Additional Reference Materials:

Here are some additional Diamond Cut Productions, Inc. reference materials available online:

Diamond Cut Productions Homepage: www.diamondcut.com

Users Forum: <https://www.diamondcut.com/vforum/>

Knowledge Base: <https://www.diamondcut.com/kb/>

Support: <https://www.diamondcut.com/st3/support/>

Diamond Cut Productions, Inc. Store: <https://www.diamondcut.com/st3/shop/>

