

DCD-8 DRIVER AND CONTROL PANEL 4.2.0
INSTALLATION INSTRUCTIONS FOR MAC OSX
Nov 2014

The package **DCD8_Drivers_420_OSX** contains the files necessary to install the DCD-8 driver and control panel application:

- **The driver** enables your DCD-8 to connect via a firewire cable to a Mac and be used as a core audio device.
- **The Control Panel Application** allows you to update the DCD-8's firmware when needed.

1. Unzip the DCD8 Drivers 420 OSX.zip package:

Double-click on "DCD8_Drivers_420_OSX.zip" to unzip it and reveal the following files:

- BrainstormDCD8-4.2.0.39752.pkg
- BrainstormDCD8Uninstaller
- Mac_Instructions_420.pdf (this pdf instruction file)

2. Connect the DCD-8:

It is advisable to connect your DCD-8 to your Mac with both the Mac and the DCD-8 powered off and to power on the DCD-8 prior to powering on the Mac. If you have not connected your DCD-8 to your Mac with a firewire cable do so now before proceeding to the next steps.

3. Remove the old Driver on your Mac:

If you already have a DCD-8 driver installed on your computer, remove it first by double-clicking on "BrainstormDCD8Uninstaller" included in this package and follow the instructions.

If the prior DCD-8 driver installed on your computer predates version 3.x.x of the driver, you must use the uninstaller included with the older DCD-8 driver that you have installed (in older versions, the uninstaller was called "Clean" or "DCD-8Clean").

4. Install the new Driver on your Mac:

- 1) Double click on the DCD-8 driver installation package (.pkg file) and follow the instructions.
- 2) Restart the computer when the installation procedure is complete.

5. Eight channel audio device:

With the driver installed, the DCD-8 can now be used as an eight channel audio device with your Mac. Go to System Preferences/Sound/. Under 'Output' and 'Input', you should see the DCD-8. Set the DCD-8 as your Output and/or Input, as needed.

The DCD-8 will act as your i/o in all Core Audio compliant applications such as Logic™, iTunes™, Sound Blade™, Voice Cue™, Final Cut Pro™, Soundtrack Pro™, etc.

Settings are set on the DCD-8 front panel, not on the Mac control panel. The control panel on your Mac only displays what has been set on the DCD-8 front panel. While the sample rate can be changed from the Mac control panel application, doing so does not actually effect change on the DCD-8, rather it can cause a mismatch between the actual sample rate of the DCD-8 and that of the Mac, resulting in undesired artifacts during audio playback.

For proper operation and to obtain sample rate accurate audio coherency, not only do the the sample rates on both the DCD-8 and the Mac control panel need to match, but they should also match the sample rate of the audio you wish to play through the DCD-8 and that of the audio playback application you are using for playback, if that is selectable.

When using the DCD-8 as a FireWire audio I/O, please refer to your DCD-8 owners manual pages 10 & 11 and set menus 05, 06 & 07 appropriately.

Updating the DCD-8 firmware using the "BrainstormDCD8 Control Panel" application

- 1) Locate and launch the "BrainstormDCD8 Control Panel" application. By default, it is installed in your 'Application' folder.
- 2) Select the "Firmware Loader" tab (see below).
- 3) Use the "Browse" button to locate and select the firmware ".bin" file. This is the file you downloaded from the web site with the DCD-8 firmware (for example DCD-8_version_2_30.bin).
- 4) Once the ".bin" firmware file has been selected, click on "Upload" to initiate the firmware upgrade. Simply ignore and dismiss the warning dialogs that will follow by selecting "OK" when asked if you would like to continue the file upload.
- 5) With these warning dialogs dismissed, a series of progress bars will appear displaying the three stages involved in the firmware update: uploading the new firmware; deleting the existing firmware sector; and installing or creating a new firmware sector.

To confirm that the new firmware has been loaded, go to Menu 99 on the DCD-8's LCD.

WARNING: If the DCD-8 flash memory is erased or corrupted, the unit will have to be returned to the factory for reprogramming. To avoid this, please use every precaution when updating the firmware. If something should occur during the update procedure, such as a computer crash, DO NOT RESET your DCD-8. Start the upload again, as soon as possible. Your DCD-8 will still be functional until it is reset or power is cycled.

To know which Driver and Control Panel versions are on your Mac:

- 1) Locate and launch the "BrainstormDCD8 Control Panel" application.
- 2) Select the 'Info' tab (see below) - Under Global Settings, look for the driver and the PAL (Platform Abstraction Layer) versions.

