

The package **BrainstormDCD8Installer.exe** 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 PC and be used as an ASIO audio device.
- **The Control Panel Application** allows you to update the DCD-8's firmware when needed.

### **1. Unzip the DCD8 Drivers 420 PC.zip package:**

Double-click on "DCD8\_Drivers\_420\_PC.zip" to unzip it and reveal the following files:

- BrainstormDCD8Installer.exe
- PC\_Instructions\_420.pdf (this pdf instruction file)

### **2. Connect the DCD-8:**

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

### **3. Remove the old Driver on your PC:**

If you already have a DCD-8 driver installed on your computer, you must first remove it:

- 1) Start / Settings / Control Panel / Uninstall a Program
- 2) Select the old driver / Right click it / Uninstall - Then, follow the instructions.

Alternatively, you can use the Brainstorm DCD-8 application to uninstall the old driver.

### **4. Install the new Driver on your PC:**

- 1) Restart your PC.
- 2) With Windows XP, the Wizard will indicate "Found New Hardware". Ignore the message (leave Wizard up) and proceed with the installation.
- 3) Navigate to the BrainstormDCD8Installer.exe file and double click on its icon to run the installer program.
- 4) Follow the instructions
- 5) Restart the PC

### **5. First time after driver install:**

- With Windows XP, the Wizard will come up again "Found New Hardware".
  - 1) Select "Yes, this time only"
  - 2) Select "Install Software Automatically"
  - 3) Window will start searching for the driver. Once it finds it will say "Not Verified By Windows"
  - 4) Click 'Continue'
- With Window 7, the driver will install automatically.

### **6. Eight channel audio device:**

With the driver installed, the DCD-8 can now be used as an eight channel audio device with your PC.

In your PC audio application, go to the hardware configuration settings and select the DCD-8 as your I/O interface. The DCD-8 will appear as an ASIO interface.

Note that the clock source and I/O settings for the DCD-8 are set on it's front panel, not on the PC control panel. The control panel on your PC displays lock status and operating sample rate, reflecting what has been set on the DCD-8 LCD front panel. While the sample rate can be changed from the PC 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 PC, resulting in undesired artifacts during audio playback.

# DCD-8 DRIVER AND CONTROL PANEL 4.2.0 INSTALLATION INSTRUCTIONS FOR PC Nov 2014

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 PC 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.

For FireWire audio, refer to your DCD-8 manual pages 10 & 11 and set menus 05, 06 & 07 appropriately.

## Updating the DCD-8 firmware using the Brainstorm DCD-8 Control Panel Application

- 1) Launch the Brainstorm DCD-8 control panel application: Start / Control Panels / BrainstormDCD8
- 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 current 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 PC

Select the ‘Info’ tab (see below) - In the upper part (Global Settings), you’ll find the driver version.

