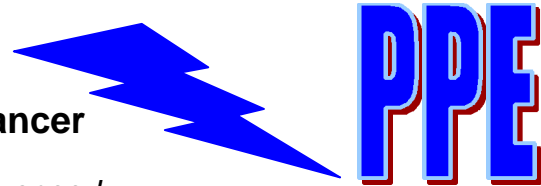# PPE - Pinnacle PCI Performance Enhancer

*Optimize your video computer system for more speed*

**What is it good for?**
Pinnacle video editing boards like DC30 or DV500 require a certain bandwidth on the PCI bus to transfer video and audio data. Without that, problems like dropped frames or bad frames may occur during video capture or video output.
Such problems are typically caused by other PCI devices consuming too much bandwidth, and/or by wrong PCI settings within the BIOS setup.
The PPE tool attempts to improve the data bandwidth by changing some BIOS PCI settings. In most cases it cures the dropped frames / bad frames problem, in some cases it does not help, and in some cases it makes the PC work worse than before.

**When and how to use PPE?**
If you see the problems described above with your Pinnacle video editing board and want to attempt fixing this with the PPE tool, install it by running the ppexxx.exe file (xxx = current version, like PPE104.EXE). Restart your PC to activate the new settings.

**How to deinstall PPE?**
To deinstall the PPE tool in case it causes problems or does not work, use 'Control Panel' / 'Software' / 'Install/Deinstall Programs', select the PPE tool, and click 'Add/Remove'. Then restart your PC to switch back to the default BIOS PCI settings.

**What about compatibility?**
The PPE tool is compatible with Windows 98, Windows 98 SE, Millennium Edition, Windows NT4.0, and Windows 2000.  PPE works with Pinnacle DC30 (plus/pro), DC50, DV200, DV300, DV500, DC1000, DC2000, DVD1000 and DVD2000 as well as the Products from the Studio-Line Studio DV, Studio DV plus Studio DC10 plus.
It needs to be used to run a Pinnacle DC30 series editing board in a PC using a VIA mainboard chipset.

**Latest version**
If you need more details or the latest version of PPE please check the download section of our website  www.pinnaclesys.com
FTP download is available from ftp://ftp.pinnaclesys.de/driver/pc/extras/

**Other performance tips**
- Make sure that your editing board is assigned to an Interrupt (IRQ) that is not shared with other devices – even if DV500, DCx000 and DC30 can share interrupts, other devices probably can't!
- Swap the card between the different PCI slots since IRQs might be physically assigned to a slot.
- Update the drivers of the graphics card or change the graphics mode (e.g. 65k colors).
- Make sure that the DMA mode is activated for eIDE harddisks. However, some boards/drivers require that DMA is switched off. You find details in the driver readme file.

You will find more details about this tips in the products manual, the products readme or the Support/FAQ section on the Pinnacle website.

**Miscellaneous**
Pinnacle Systems has not tested PPE with non-Pinnacle products. Pinnacle Systems can not be held responsible for any damage or loss caused by using PPE.
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Your Pinnacle Systems Team