

# **Diamond SpeedStar 64 GT Driver**

Version 3.73

## **Release Notes**

This is version 4.02.373 of the Diamond SpeedStar 64 Graphics 2000 Series Windows 95 Drivers disk. This driver currently supports the following Diamond products:

SpeedStar 64 Graphics 2000 (ISA & PCI)

## **Windows95 Installation Notes**

1. Install the VGA driver for Windows 95.
  - a. From Windows 95, select Start, select Settings, select Control Panel, then select Display.
  - b. Select the Settings tab.
  - c. Select Change Display Type.
  - d. Select Change... in the Adapter Type section.
  - e. Select Show all devices.
  - f. Scroll to the top of the Manufacturers window. Select (Standard display types).
  - g. Select Standard Display Adapter (VGA), then select OK.
  - f. Select Close.
  - h. Select Apply.
  - i. Windows 95 will ask that the computer be restarted. Click on Yes to restart the computer.
2. Preparing for the installation:
  - a. If you have downloaded the Diamond SpeedStar 64 Graphics 2000 drivers to your hard disk, perform the following:
    - i. Create a temporary directory to contain the downloaded file.
    - ii. Execute the file to perform the file decompression.
    - iii. Make note of the complete path to INSTALL.EXE.
  - b. If you have the floppy disk version of the Diamond SpeedStar 64 2000 drivers, place the floppy disk in the drive now.
3. From Windows 95, select Start, then select Run.
  - a. If you are installing a downloaded version of the Diamond SpeedStar 64 Graphics 2000 Drivers, type the complete path to INSTALL.EXE.

Example: C:\WINDOWS\TEMP\INSTALL.EXE

b: If you have the floppy version of the Diamond SpeedStar 64 Graphics 2000 Drivers, type in the following:

X:\INSTALL.EXE

Where X is the letter of the floppy drive.

The following command line switches can be used with INSTALL:

/f This forces a Full installation (Diamond SpeedStar 64 Graphics 2000 display driver and InControl Tools 95).

/m This forces a Minimal installation (Diamond SpeedStar 64 Graphics 2000 display driver only).

/d"drive:\path" This installs InControl Tools 95 into drive:\path. Note that the quotes around the drive and path are required, and that either the /f or /m must be used in conjunction with this switch.

/r This forces a system reboot after installation. Note that either the /f or /m switches must be used in conjunction with this switch.

/nr This prevents a system reboot after installation. Note that either the /f or /m switches must be used in conjunction with this switch.

uninstall This will completely uninstall the Diamond SpeedStar 64 Graphics 2000 display driver and InControl Tools 95.

4. From the Diamond Setup dialog box, select Next.
5. From the Hardware Check dialog box, select Next.
6. A dialog box will appear containing the path where InControl Tools 95 will be installed. The default path is:

C:\Program Files\Diamond

Select Next, or change the path as necessary.

7. The next dialog box selects the installation type. There are three installation types, Minimal, Full, and Custom. They are defined as follows:

Minimal: This will install only the Diamond SpeedStar 64 Graphics 2000 display driver.

Full: This will install both the Diamond SpeedStar 64 Graphics 2000 display driver and InControl Tools 95.

Custom: This will allow installation of either the Diamond SpeedStar 64 display driver or InControl Tools 95. At the minimum, the Diamond SpeedStar 64 Graphics 2000 display driver must be installed during a first-time installation.

8. If Custom was selected in step 7, a dialog box will appear allowing selection of various items. Select the items to be installed by clicking on them with the left mouse button. When finished, click Next to continue.
9. At the Select Files to be copied dialog box, click Next to begin the file copy process.

10. After the files have been copied, a Finished Installing dialog box will appear. Remove the installation diskette from the floppy drive, then click Finish.
11. Windows 95 will ask that the computer be restarted. Click on Yes to restart the computer.

### **Selecting A User-Defined Monitor**

If your monitor is not listed in the Windows 95 monitor list, you can define your monitor's specifications using the Diamond Monitor Wizard. To run the Wizard, follow the directions below:

1. Double click on the InControl Desktop Manager icon in the tray.
2. From the Display Properties box, select the Settings tab.
3. Select Change Display Type.
4. Select Change next to the Monitor Type box.
5. Select Show All Devices.
6. Select (User defined monitor types). User defined monitor(InControl Tools 95) should be highlighted in the right side of the dialog box.
7. Click OK.
8. Click Wizard. This will launch the Diamond Monitor Wizard.

### **Known Limitations**

If these drivers are installed from "Have Disk" with the Microsoft Cirrus Logic driver already active, the Microsoft driver will overwrite the PCI frame buffer address. The system \*MUST\* be powered down after installing the Diamond SpeedStar 64 Graphics 2000 Windows 95 display driver to remedy this issue. Note that this issue does not occur when installing over the Microsoft VGA driver.

If these drivers are installed from "Have Disk", the first restart will result in Windows 95 coming up in Safe Mode. You will receive an error message stating that there is a problem with your display settings. The Display Properties page will appear. Select Cancel. This will let Windows 95 continue to load in Safe Mode. From the Start menu or My Computer, select Control Panel, then select Display, then select Settings. Change the color depth to 256 colors or greater and restart Windows 95.

When installing DirectX applications, a dialog box may appear asking if you would like to install a certified DirectX driver. You should select "No", so that the Diamond SpeedStar 64 Graphics 2000 drivers will not be overwritten. The Diamond SpeedStar 64 Graphics 2000 drivers will be DirectX-certified as soon as certification begins by Microsoft.

It is recommend that all screen savers be disabled prior to the installation of the Diamond SpeedStar 64 Graphics 2000 / InControl Tools 95 product set.

When the Microsoft Office v.4.3 Office Manager splash screen appears, the splash screen will be white instead of gray. Two gray blocks will also appear in the upper left hand corner of Windows 95. The gray blocks will disappear after the splash screen goes away. This problem is being investigated.

MechWarrior 2 for Windows 95 will give a black screen if animation sequences are run in 640x480 true color mode. Use 320x200 mode to resolve this issue. This problem should be fixed when DirectX 2 is released.

A General Protection Fault may occur by running After Dark for Windows v.3.1. Upgrading to After Dark v.3.2 will resolve this issue.

To view the Online Internet Services, your World Wide Web browser must be registered with the Windows 95 Registry.

Using Microsoft's The Fox and The Bear application in 640x480 16bpp, the display will not be correct. This problem is being investigated.

If you encounter problems when setting modes, you may want to try one of the Standard Monitor Types in the Monitor Type dialog of the Display Properties sheet.

With some system configurations opening and printing multiple Excel 7.0 documents, then opening a full screen DOS and switching back to Windows 95 will cause distorted screens forcing a reboot.

With some system configurations using PCI version of card, opening a DOS Full Screen session and then pressing Alt-Tab or Alt-Enter causes system to hang. This happens intermittently. This issue is being investigated.

With some BIOSes, you may encounter problems switching between the desktop and 320x200 or 320x240 DirectDraw modes. This problem is being investigated. A BIOS upgrade may address this for you. See below for more information on BIOSes.

With some BIOSes, the Diamond SpeedStar 64 Graphics 2000 driver may not correctly identify your Diamond display adapter. A BIOS upgrade may address this for you. See below for more information on BIOSes.

The following BIOSes have been tested with the Diamond SpeedStar 64 Graphics 2000 display driver. Please note that it is NOT necessary to have one of the BIOS versions listed below in order to use these drivers. However, if you have an older BIOS and are encountering difficulties, it is recommended that you contact Diamond Customer Service at 408-325-7100 (option 3) to get the current version of the BIOS for your Diamond display adapter:

SpeedStar 64 Graphics 2000 series: BIOS 2.01, 2.02

## **Contacting DIAMOND**

Diamond can be reached through a number of ways:

Postal Service	:Diamond Multimedia Systems, Inc. 2880 Junction Avenue San Jose, CA 95134
Voice (Main)	: (408) 325-7000
Voice (TechSppt)	: (408) 325-7100 [M-F 5-7; Sat 8-4 Pacific] [plus 24hr automated help]
FAX (Main)	: (408) 325-7070
FAX (Support)	: (408) 325-7171
BBS (to 14400)	: (408) 325-7080
BBS (to 28800)	: (408) 325-7175
EMAIL	: techsupt@diamondmm.com
WWW	: <a href="http://www.diamondmm.com">http://www.diamondmm.com</a>

FTP : ftp.diamondmm.com

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