

# Dell Precision™ WorkStations ResourceCD User's Guide

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## Overview

The *Dell Precision ResourceCD* shipped with your computer contains the following items:

- 1 Drivers — Dell installed all the drivers for the devices included on your computer's hard drive. Backup copies of these drivers are provided on the *Dell Precision ResourceCD*. You can also obtain the latest versions of the drivers for your computer from the Dell support website at <http://support.dell.com>.
- 1 Utilities — Dell installed the system utilities on your computer's hard drive. Backup copies of these utilities are provided on the *Dell Precision ResourceCD*.
- 1 User's guides — Dell installed computer and peripheral documentation on your computer's hard drive. Backup copies of these documents are provided on the *Dell Precision ResourceCD*. You can also obtain documentation for your computer from the Dell support website at <http://support.dell.com>.
- 1 Dell™ Diagnostics — The Dell Diagnostics test various components on your computer and help to identify the cause of computer problems. For more information, see your *User's Guide*.

This guide describes how to perform the following tasks:

- 1 Start the diagnostic, configuration, and reinstallation utilities
- 1 Reinstall the drivers and utilities provided with your computer should they be erased inadvertently or become corrupted
- 1 Access the *User's Guide* on the ResourceCD
- 1 Use the Dell Diagnostics

 **NOTE:** Drivers for the Linux operating system are included with the Linux operating system and distribution media. They are not provided on the ResourceCD.

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## Starting the Configuration, Diagnostic, and Reinstallation Options Menu

Some of the configuration, diagnostic, and reinstallation programs on the ResourceCD require you to run them in MS-DOS® mode. To run these programs, you must start your computer in MS-DOS mode using the ResourceCD. You can then choose the tasks you want to perform from a menu of the configuration, diagnostic, and reinstallation options.

To boot your computer to the configuration, diagnostic, and reinstallation options menu, perform the following steps:

1. While in the Microsoft® Windows® operating system, insert the *Dell Precision ResourceCD* into the CD drive.

Windows automatically runs the ResourceCD, and the main menu appears.

 **NOTE:** If this is the first time you have used the ResourceCD, an installation utility automatically runs, and then the main menu appears.

2. Press <Alt><F4> to exit the main menu.  
Make sure that your diskette drive is empty.
3. Shut down your computer.
4. Restart your computer.

If your computer boots to the CD, the Dell logo screen appears, followed by a list of menu option descriptions and their available languages.


 **NOTES:** If your computer does not boot to the CD, verify that the **Boot Sequence** option in system setup is set to **CD Drive**.

See "[Changing the Boot Sequence](#)" for more information.

If you have a small computer system interface (SCSI) controller installed in your computer, make sure the controller is configured to boot after integrated drive electronics (IDE) devices. For more information, see your SCSI controller documentation.

5. Select the appropriate language for menu options. If you have changed a partition table and restarted your computer, select Option 2, **Continue Windows NT Reinstall**.

A numbered list displays the available options. The following list describes each option.

 **NOTE:** Once you select one of the following options, you cannot return to the list to select another option. If you decide that you do not want to continue with an option or wish to select another option, you must restart your computer.

1 **Option 1 – Start/Continue Windows NT® Workstation Install**

**NOTICE:** This option has the potential to erase partial data or the entire hard drive.

This option helps you reinstall Windows NT 4.0 on your computer. Use this option if your computer has become unusable or if you require a clean installation of this operating system. This option guides you through a basic reinstallation of Windows NT 4.0. You need your Windows NT 4.0 CD, your service pack CD, and your Windows NT registration number to complete the reinstallation.

For more information on this option, refer to the *Dell-Installed Microsoft Windows NT 4.0 Installation Guide* provided with your computer.

1 **Option 2 – Run Dell Diagnostics**

This option loads the Dell Diagnostics that enable you to perform tests and help you determine if your computer has possible hardware problems. These diagnostics are useful in troubleshooting and isolating any type of problems you may be experiencing. When the **Diagnostics Menu** appears, select one of the options.


1 **Option 3 – Start Dell ZZTOP Imaging SW**

**NOTICE:** This option reformats your hard drive and causes data loss. Do not select this option unless a qualified Dell technician has instructed you to do so.

This option can help you to restore a corrupted hard drive by reinstalling Windows NT, Windows 95, or Windows 98, and reconfiguring the computer to factory defaults.

1 **Option 4 – Run SCSI Hard Drive Diagnostics**

This option runs a diagnostic test on your SCSI hard drive. The diagnostic test does not cause data loss. However, you should back up any important data before you run the test.

 **NOTE:** The SCSI Hard-Disk Diagnostics are intended for computers with SCSI hard drives only. Do not run the SCSI Hard-Disk Diagnostics if you have an integrated drive electronics (IDE) hard drive.

1 **Option 5 – Run 3Com® NIC Diagnostics/Configuration**

This option enables you to configure the resources and settings for the integrated and PCI card. It also enables you to run MS-DOS–based diagnostics on the card to help troubleshoot network card issues.

For more information on this utility, refer to the 3Com documentation provided with your computer.

1 **Option 6 – Start Adaptec RAID Configuration Utility**

**NOTICE:** This utility can cause data loss if used improperly.

The Adaptec redundant array of independent disks (RAID) controller card is an option that may or may not be installed on your computer. This card is designed to enhance your hard drive subsystem. If an Adaptec RAID controller is installed on your computer, this option enables you to configure the RAID subsystem. Use this utility to configure the RAID controller card before you install Windows NT.

For more information on this utility, refer to the Adaptec RAID documentation provided with your computer.

1 **Option 7 – Go to Video Diagnostics Menu**

This option displays a list of video adapters that might be installed in your computer.

 **NOTE:** To find out what video adapter you have, click the **Start** button, click **Settings**, click **Control Panel**, and double-click the **Display** icon. In the **Display Properties** window, click the **Settings** tab, then click **Advanced Properties** for Windows 95 and Windows 98 or **Display Type** for Windows NT.

To troubleshoot a video problem, run the diagnostics by selecting a video adapter from the list. After a test runs, it tells you whether the test passed or failed. You can isolate the part of the video subsystem that is experiencing a problem by seeing which tests pass or fail.

1 **Option 8 – Copy Hard Drive Controller Drivers to Diskette**

This option allows you to select and copy to diskette the appropriate hard drive controller drivers for manual installation. These drivers are not natively supported by the operating system.


1 **Option 9 – Exit to DOS**

This option exits the main menu and returns you to an MS-DOS prompt, at which point you can safely remove the ResourceCD and reboot back to your operating system.

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## Changing the Boot Sequence

The boot sequence allows you to specify the order of the devices from which the computer attempts to boot.


 **NOTE:** For more information, see your User's Guide.

1. Turn on your computer (if your computer is already on, restart it).
2. When **F2 = Setup** appears in the upper-right corner of the screen, press <F2>.


The **System Setup** menu appears.

 **NOTE:** If you wait too long and your operating system begins to load into memory, let the computer complete the load operation; then restart the computer and try again.

3. Use the arrow keys to highlight the **Boot Sequence** menu option and press <Enter> to access the pop-up menu.

 **NOTE:** Write down your current boot sequence in case you want to restore it later.

4. Use the arrow keys to highlight **CD Drive** in the pop-up menu and press <+> to move it to the top of the list.

 **NOTE:** If you have a SCSI controller installed in your computer, make sure that the controller is configured to boot after the IDE device. For more information, see your SCSI controller documentation.

5. Press <Alt><b> to restart your computer.
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## Installing Drivers

To install a driver, perform the following steps.

**NOTICE:** The ResourceCD contains device drivers for many Dell computers. Do not install device drivers unless you have identified the driver intended for your computer's hardware. If you install an incorrect driver, your computer may not operate correctly.

1. Start your system.
2. Insert the ResourceCD into the CD drive.

If you are starting the ResourceCD for the first time on this computer, the **ResourceCD Installation** window opens to inform you that the ResourceCD is about to begin installation. Click **OK** to continue. To complete the installation, respond to the prompts offered by the installation program.

If the **Welcome Dell System Owner** screen opens, click **Next** to continue.

3. Select the appropriate language, system model, operating system, and device type.
4. Select **Drivers** in the **Topic** box.

A list of drivers appears.

5. Click the appropriate driver.
6. Respond to the prompts/instructions as they appear on the screen.
7. Follow the instructions on the screen to install the driver.

Refer to the online help available on the ResourceCD if you need more information.

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### Accessing Utilities

To access a utility, perform the following steps:

1. Start your system.
2. Insert the ResourceCD into the CD drive.

If you are starting the ResourceCD for the first time on this computer, the **ResourceCD Installation** window opens to inform you that the ResourceCD is about to begin installation. Click **OK** to continue. To complete the installation, respond to the prompts offered by the installation program.

If the **Welcome Dell System Owner** screen opens, click **Next** to continue.

3. Select the appropriate language, system model, operating system, and device type.
4. Select **Utilities** in the **Topic** box.

A list of utilities appears.

5. Click the appropriate utility.
6. To access the utility you chose, respond to the prompts/instructions as they appear on the screen.

Refer to the online help available on the ResourceCD if you need more information.

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### Accessing User's Guides

To access a user's guide for your system or hardware, perform the following steps:

1. Start your system.
2. Insert the ResourceCD into the CD drive.

If you are starting the ResourceCD for the first time on this computer, the **ResourceCD Installation** window opens to inform you that the ResourceCD is about to begin installation. Click **OK** to continue. To complete the installation, respond to the prompts offered by the installation program.

If the **Welcome Dell System Owner** screen opens, click **Next** to continue.

3. Select the appropriate language, system model, operating system, and device type.
4. Select **User's Guides** in the **Topic** box.

A list of user's guides appears.

5. Click the appropriate user's guide to view the document.

Refer to the online help available on the ResourceCD if you need more information.

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### Using the Dell Diagnostics

To use the Dell Diagnostics, perform the following steps:

1. Insert the ResourceCD into the CD drive.
2. Restart your computer. It should boot to the CD. If it does not, see "[Changing the Boot Sequence](#)" for more information.
3. From the ResourceCD menu, select Option 2, **Run Dell Diagnostics**.
4. Select the diagnostics that you want to run and follow the instructions on the screen.

Refer to the online help available on the ResourceCD if you need more information.

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