Installing the Dental Imaging Software

This guide describes the process for installing the dental imaging software and for upgrading existing versions of the dental imaging software to this version and includes the following topics:

- Accessing This Guide Electronically on page 3
- Related Documentation on page 4
- Mapping a Network Drive on page 4
- Backing Up Data on page 4
- Modifying MICROSOFT WINDOWS Operating System Settings on page 4
- Marking and Labeling Symbols on page 5
- Installing and Registering the Dental Imaging Software on page 6
- Upgrading the Software on page 11
- Installing Hardware on page 12
- Installing Optional Software on page 27

Accessing This Guide Electronically

When you install the dental imaging software, electronic versions of this guide and other related documentation are installed on your computer.

Important: Each time you install a software update, the contents of the online documentation folder are deleted and replaced with the latest versions of online documentation. Do not store important files in this folder.

To access these electronic documents, follow these steps:

1 On the Microsoft Windows taskbar, click **Start**.

2 Select **Programs > Kodak Dental Imaging > Online Documentation**.

3 Select a document from the drop-down list.

The electronic documents are in PDF file format and can be opened with Adobe Reader software.If Adobe Reader software is not installed on your computer, follow these steps:

1 On the Microsoft Windows taskbar, click **Start**.

2 Select **Programs > Kodak Dental Imaging > Online Documentation > Install Acrobat Reader**.

Follow the on screen instructions to install the software.Before installing the the dental imaging software, make sure that each computer in your network meets the minimum system requirements. For information about system requirements, see the System Requirements documentation shipped with your software.

Related Documentation

See the following documentation for more information:

Dental Imaging Software Online Help
Digital Imaging System Hardware Installation Guide (CS3200)
Dental Imaging Initial Training Workbook (CS3155)

Mapping a Network Drive

Share the server's hard drive and map a drive on each workstation running the software to the drive. For information about sharing and mapping drives and folders, see the documentation and online Help provided with your Microsoft Windows operating system.

To access the Windows online Help system, select **Start > Help** from the Windows taskbar.

Backing Up Data

Before you install the the dental imaging software, you should back up your data. For information about backing up your data, see the documentation provided by your backup media vendor.

Modifying MICROSOFT WINDOWS Operating System Settings

To ensure continuous functionality of your hardware devices, modify the following Microsoft Windows software settings:

- Power management mode
- Screen saver time-out setting

Disabling Power Management Mode

To disable power management mode, follow these steps:

1 Click **Start > Control Panel.** The **Control Panel** window is displayed. Make sure that you are in **Classic View** in the **Control Panel** window.

> Depending on your settings, you might select **Start > Settings > Control Panel**.

2 Double-click the **System** icon.

3 On the **Hardware** tab, click the **Device Manager** button.

4 Click the plus sign to expand the **Universal Serial Bus controllers** group.

5 Double-click on the first **USB Root Hub**.

6 On the **Power Management** tab, deselect **Allow the computer to turn off this device to save power**.

7 Click **OK**.

8 Repeat steps **5** through **8** for each **USB Root Hub** listed.

9 Exit all windows to return to the desktop.

Modifying Screen Saver Settings

To modify screen saver settings, follow these steps:

1 Click **Start > Control Panel**. The **Control Panel** window is displayed.

2 Double-click **Display**. The **Display Properties** window is displayed.

3 Click the **Screen Saver** tab.

4 Set the screen saver **Wait** time to 15 minutes or more.

5 Click the **Power** button. The **Power Options Properties** window is displayed.

6 On the **Hibernate** tab, deselect **Enable Hibernation** and click **Apply**.

7 On the **Power Schemes** tab, select the following settings:

- **Turn off monitor—15 minutes**
- **Turn off hard disks—Never**
- **System standby—Never**

8 In the **Display Properties** window, click **Apply**.

9 Click **OK** to close the **Power Options** window.

10 Exit the **Control Panel** window.

Marking and Labeling Symbols

Table P–1 describes the applicable marking and labeling symbols. Place these labels and symbols in a visible location on the digital imaging dock or other related equipment.

Table P–1 Marking and Labeling Symbols

Image	Label	Description
	Type BF Device	Place in a visible location, preferably on the digital imaging dock or computer connected to the sensor.
	Non-Medical Devices Warning	Non-medical device, auxiliary equipment; risk of electric shock.
	Warning: Consult the accompanying document	Use caution and consult the accompanying documents. Accessories that do not meet safety requirements can result in a lower level of safety for the entire system. Use accessories that ensure patient safety and comply with the harmonized standards EN 60 601-1 and EN 60 601-1-1. Install and use the computer and its peripherals consistent with the documentation included with your system.

Table P–1 Marking and Labeling Symbols (Continued)

Image	Label	Description
	Ionizing Radiation	Ionization radiation present. Refer to all documentation supplied with your equipment.

Using X-Rays Properly

The devices conform to radiological standards to protect against radiation hazards. The design of this system permits the emission of x-rays for medical diagnostic purposes.

Note: Carestream can supply all relevant information and assist you in the initial use of your unit.

To ensure proper use of x-rays, use the following precautions:

- Protect against radiation–The room containing your radiology equipment must comply with applicable governmental regulations.
- Prevent hazardous conditions–Observe exposure safety factors and operating instructions.
- Install, operate, and service the unit–Follow the instructions in the documentation provided with your hardware and software.

Installing and Registering the Dental Imaging Software

To install the software for the first time, do the following:

- Completing a New Installation on page 7
- Registering the Software on page 9

Completing a New Installation

To install the software on your computer for the first time, follow these steps:

1 Log into the computer as the local administrator, insert the Dental Imaging software DVD in the DVD drive on your computer. The install menu is displayed.

> **Note:** The windows that are displayed vary based on the hardware and operating system installed on your computer.

Figure 1 Install Menu

If the Microsoft Vista operating system is installed or the installation wizard does not open automatically, select **Start > Run** from the Microsoft Windows taskbar, and type **D:\DentalImagingInstall**. If your DVD drive is represented by a different letter, substitute that letter for D.

> **Important:** For RVG3, RVG4, DigiPan, or STV hardware devices and using a Trophy ISA adapter, contact your sales representative for an upgrade. These devices do not function with the software.

2 Click **Install Dental Imaging** on the install menu. The setup window is displayed.

3 Read the welcome message, and click **Next**. The **Computer Type** window is displayed.

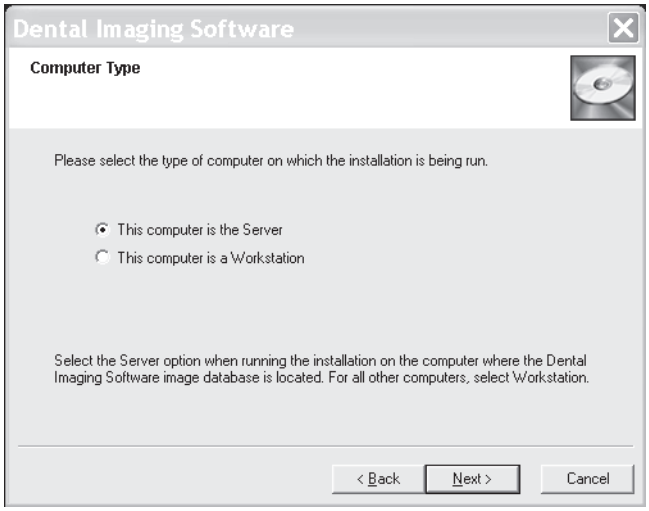


Figure 2 Computer Type Window

4 Select one of the following, and click **Next**:

- If you are installing the software on the computer where the license server is located, select **This computer is the Server**.

> **Important:** Do not use a computer running the Microsoft Vista operating system as your server!

- For all other computers, select **This computer is a Workstation**.

The **Select Destination Directory** window is displayed.

5 Accept the default value of **C:\TW** and click **Next**. The **Start Installation** window is displayed.

6 Click **Next**, and the setup program installs the dental imaging software. When the program files are installed, the **Finish** window is displayed.

7 Click **Finish**. The setup window is displayed.

8 Repeat this process on each workstation, and select **This computer is a Workstation** in the **Computer Type** window.

Registering the Software

To activate the dental imaging software, follow these steps:

1 Click **Start > All Programs > Dental Imaging Software > Dental Imaging Software**. The patient selection window is displayed.

Note: If a database does not exist, a message asking you to create a database is displayed. Click **OK** to create a new patient. To navigate to a database, click **Cancel**, select **Options > Preferences**, and select the database path.

2 Click **Patient > Find**. The **Find** window is displayed.

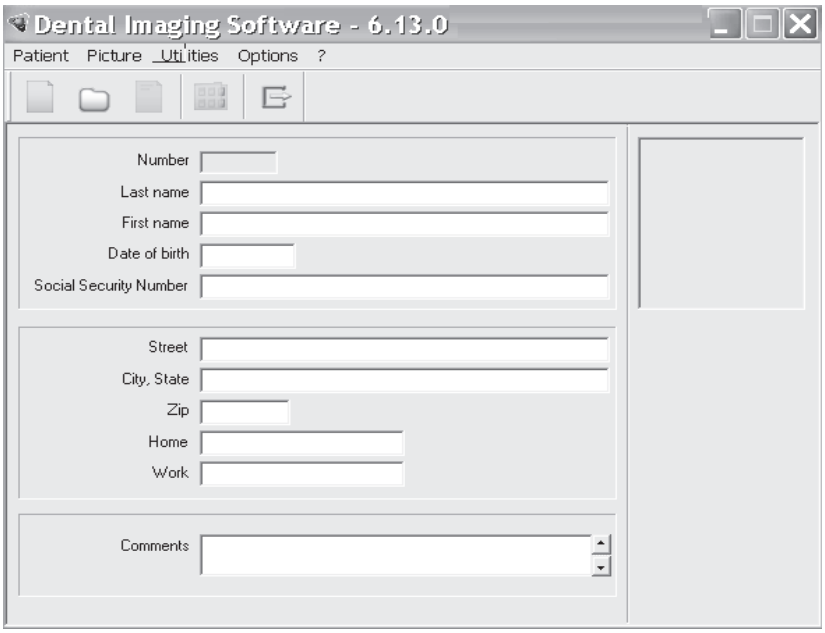


Figure 3 Find Window

3 Select a patient and click the **Imaging** button. The **Install License File** window is displayed.

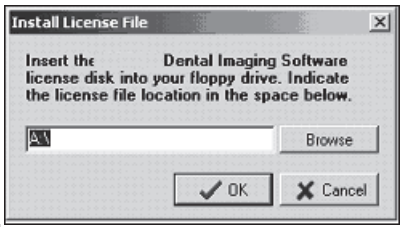


Figure 4 Install License File Window

Note: A license file is required to use the software. To obtain a license, contact a technical support representative.

4 Insert the license file CD or click **Browse** to select the license file location, and click **OK**. The **Registration** window is displayed.

5 Select your preference, and click **OK**:

- To register the software on the Internet, click **Automatically via the Internet** and follow the instructions.

> **Note:** If you register via the internet, the registration code is retrieved automatically.

- To register the software over the telephone, select **Contact support by telephone** and call technical support. The second **Registration** window is displayed.

Figure 5 Registration Window

6 Enter your **Registration Code** number and click **OK**.

7 If you are unable to register your software at this time, click **Cancel** to launch the application.

Upgrading the Software

> **Important:** For RVG3, RVG4, DigiPan, or STV hardware devices and using a Trophy ISA adapter, contact your sales representative for an upgrade. These devices do not function with the software.

Upgrading from a previous version updates the imaging software and hardware device drivers installed on a workstation.

To upgrade the the dental imaging software, follow these steps:

1 On the install menu, click **Install Dental Imaging Software**. The **Setup** window is displayed.

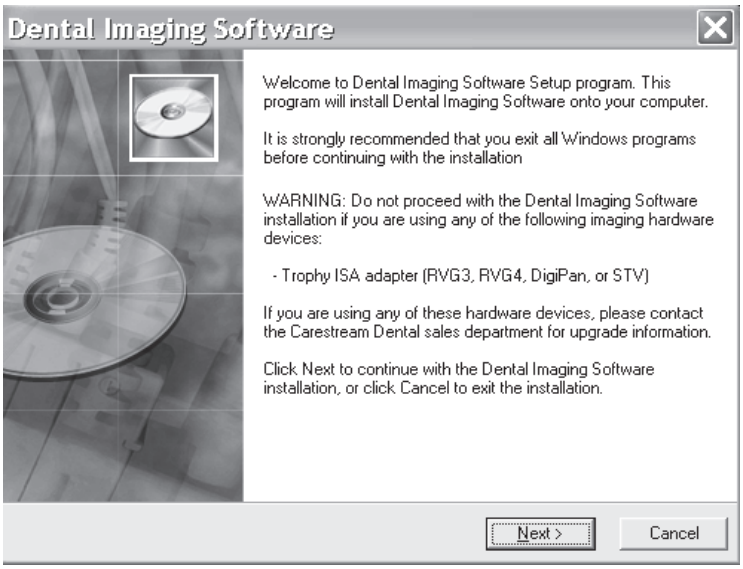


Figure 6 Setup Window

2 Click **Next**. The **Computer Type** window is displayed.

3 Do one of the following, and click **Next**:

- If you are installing the software on the computer where the license server is located, select **This computer is the Server**.

Important: Do not use a computer running the Microsoft Vista operating system as your server!

- For all other computers, select **This computer is a Workstation**.

The **Existing Installation Found** window is displayed.

4 Click **Next.** The installation process upgrades your system, identifies the hardware devices that are currently installed, and installs the new drivers. The **Start Installation** window is displayed.

5 Read the information, click **Next**. The **Installing** window is displayed. When the installation is complete, the **Finish** window is displayed.

6 Click **Finish**. The **Restart** window is displayed.

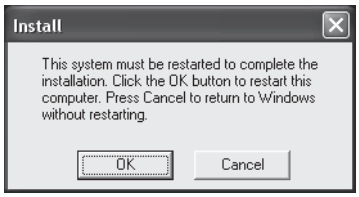


Figure 7 Restart Window

7 Click **OK**. The computer is restarted.

Installing Hardware

Install the dental imaging software before installing hardware. To install a hardware device, install the dental imaging software and then see the following instructions:

Important: Review the installation and user instructions received with your hardware!

- Installing an RVG Sensor on page 13
- Installing the CS 1200, CS 1500, and CS 1600 Intraoral Cameras on page 15
- Installing a Panoramic and Cephalometric System on page 17
- Installing the CR7400 or CS7600 Digital Radiography System on page 20
- Installing the 9000, 9000C or 9000 3D Extraoral Imaging System on page 21
- Installing the CS 9300 and CS 9300 3D Extraoral Imaging System on page 23
- Installing the 9500 Cone Beam System on page 25

Installing an RVG Sensor

Before installing an RVG sensor, do the following:

- Disable the power management mode.
- Disable the screen savers and hibernation mode.

See Modifying MICROSOFT WINDOWS Operating System Settings on page 4 for more information.

Installing the RVG Sensor Drivers

To install your sensor drivers after connecting the USB hub, follow these steps:

1 On the install menu, click **Install Hardware.** The **Imaging Hardware Setup** window is displayed.

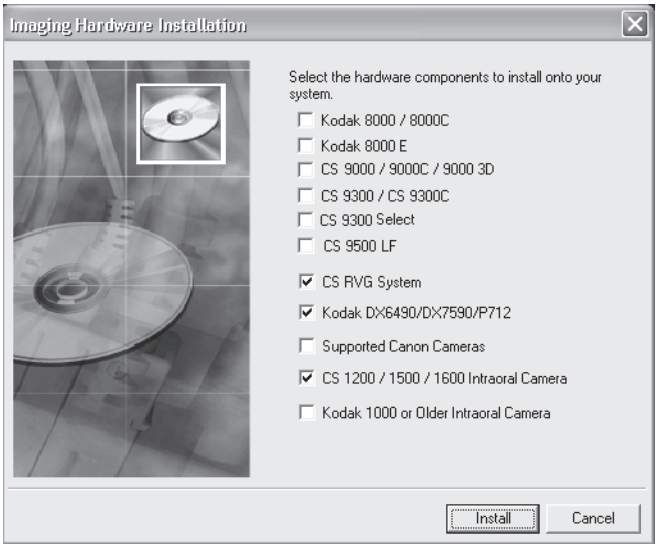


Figure 8 Imaging Hardware Setup Window

2 Select **CS RVG System** and click **Install**. A message is displayed prompting you to unplug the device.

3 Unplug any sensor and click **OK**. The **Installer Language** window is displayed.

4 Select **English** and click **OK**. The **Welcome to the RVG Drivers Setup** window is displayed.

Figure 9 Welcome to the RVG Drivers Setup Window

5 Read the message and click **Next**. The **Choose Components** window is displayed.

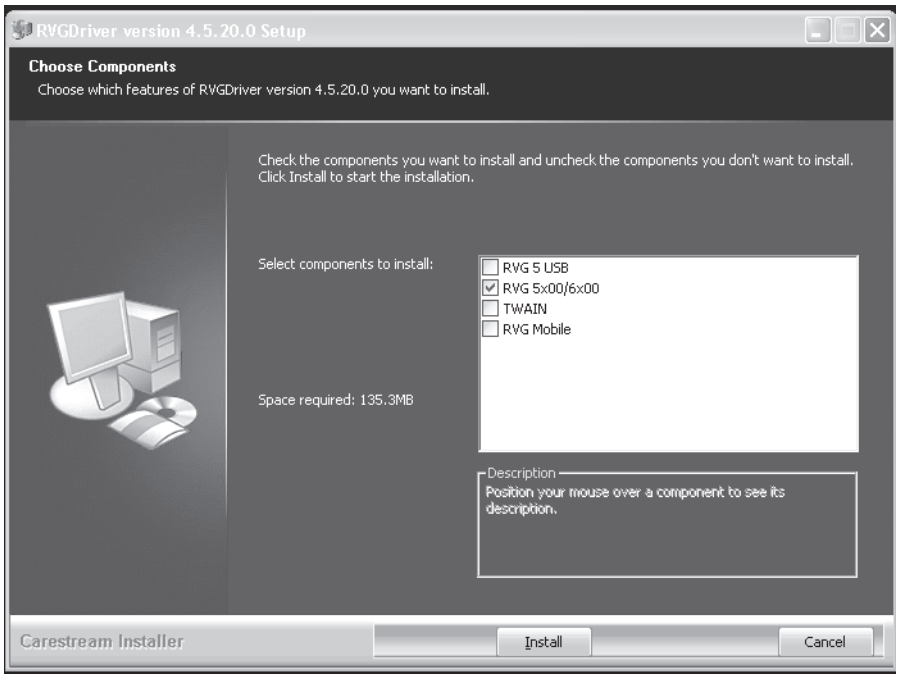


Figure 10 Choose Components Window

6 Select the component to install and click **Install**. The software files are copied to your machine. A **Windows Security** window is displayed.

7 Click **Continue Anyway**. When the installation is finished, the **Complete Installation** window is displayed.

8 Click **Finish**. A message prompts you to plug in your device.

9 Plug the sensor into the powered USB hub and click **OK**.

Note: Only use the power supply provided with the USB hub.

Installing the CS 1200, CS 1500, and CS 1600 Intraoral Cameras

To install the CS 1200, CS 1500 or CS 1600 intraoral camera, follow these steps:

1 On the install menu, click **Install Hardware**. The **Imaging Hardware Setup** window is displayed.

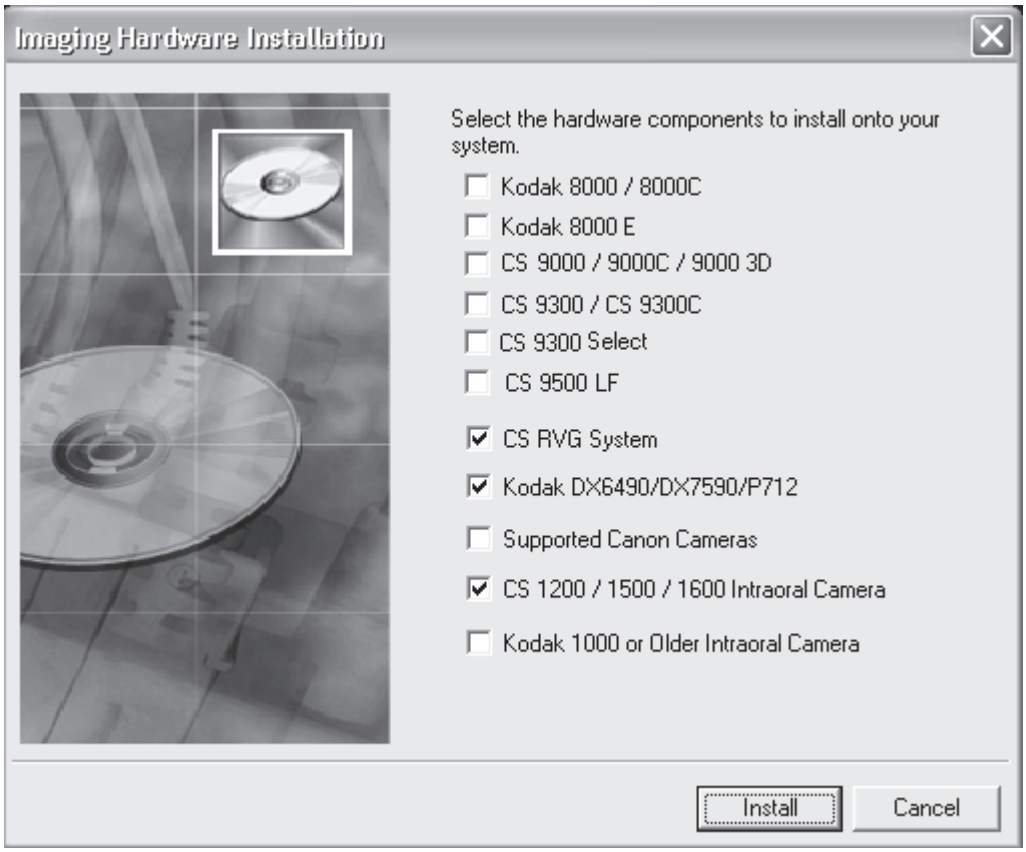


Figure 11 Imaging Hardware Installation Window

2 Select **CS1200/1500/1600 Intraoral Camera** and click **Install**. The **License Agreement** window is displayed.

Note: If you are upgrading the hardware, a message is displayed prompting you to unplug the device. Unplug the device and click **OK**.

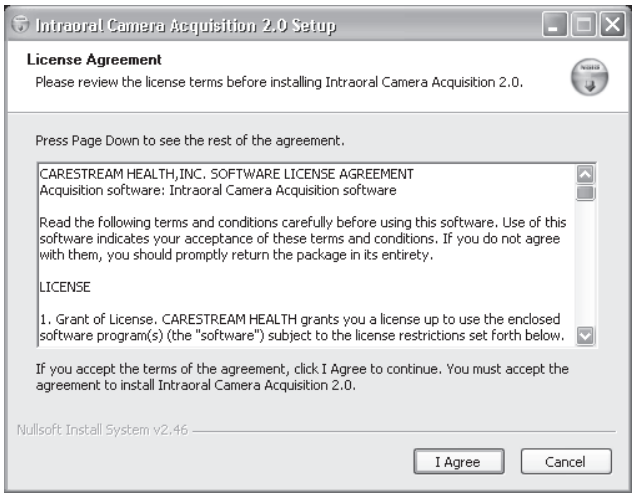


Figure 12 License Agreement Window

3 Read the agreement and click **I Agree**. The software drivers are installed.

Note: If you are upgrading the hardware, the **Software Installation Warning** window is not displayed. Read the warning and click **Continue Anyway**. The remaining software drivers are installed

Figure 13 Software Installation Warning Window

The remaining software drivers are installed. The **Installation Complete** window is displayed.

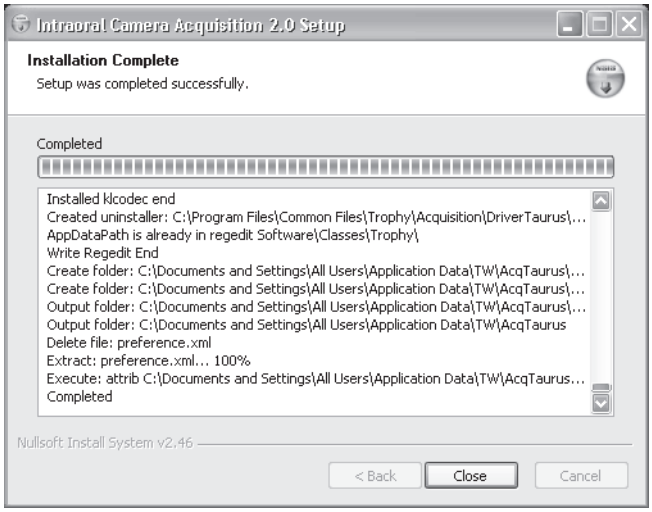


Figure 14 Installation Complete Window

4 Click **Close**. Close the software installer and remove the DVD from the drive.

5 Insert the Installation Wizard DVD that was received with your camera into the DVD drive and follow the on-screen instructions.

Installing a Panoramic and Cephalometric System

Use these procedures to install the 8000, 8000C, and 8000E units.

To install a panoramic or cephalometric system, follow these steps:

1 On the install menu, click **Install Hardware**. The **Imaging Hardware Setup** window is displayed.

2 Select the panoramic and cephalometric system unit from the list and click **Install**.

Note: If you are installing multiple hardware devices, select each option that applies to the devices.

3 The **Panoramic/Cephalometric driver installation** window is displayed.

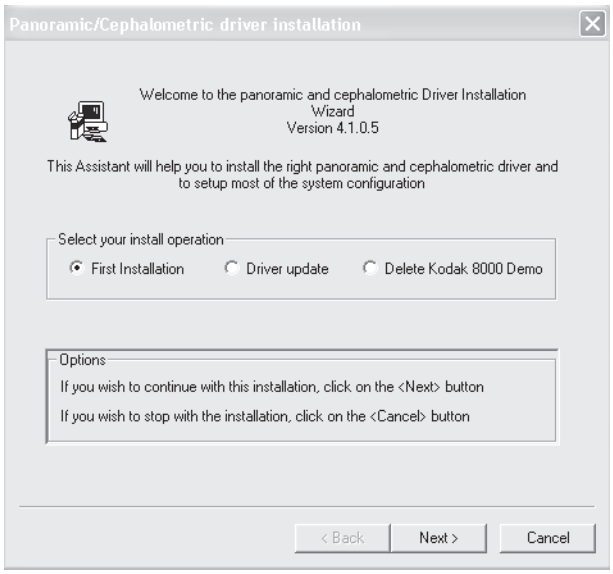


Figure 15 Panoramic/Cephalometric driver installation Window

4 Select **First Installation** and click **Next**. for a new installation. The **Select your PANORAMIC** window is displayed.

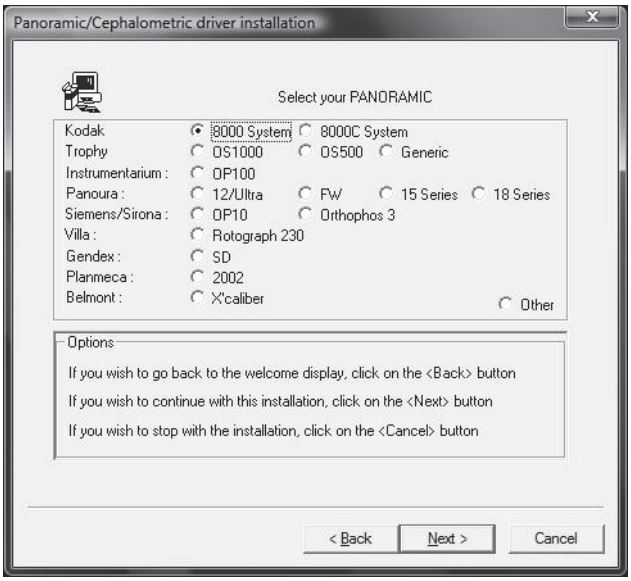


Figure 16 Select Your PANORAMIC Window

5 Select your panoramic unit and click **Next**. The **Panoramic System Installation** window is displayed.

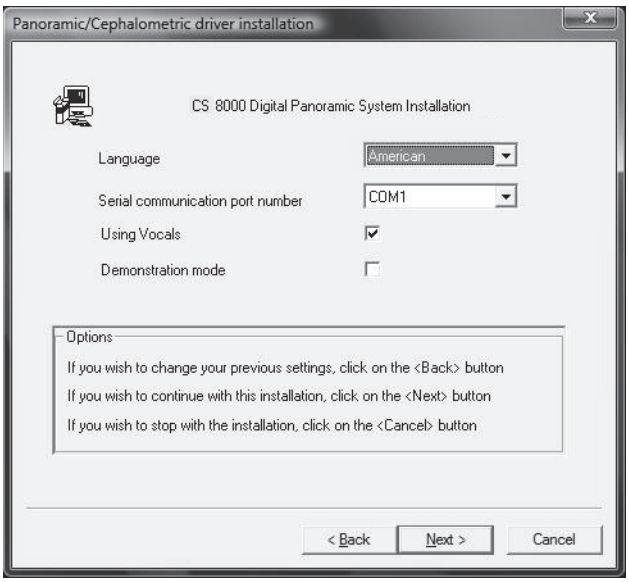


Figure 17 Panoramic System Installation Window

6 Do the following:

- To use the American tooth numbering system (ADA Standard), select **American** from the **Language** drop-down list.
- Select the appropriate communication port according to your PC settings.
- To activate sound when acquiring images, select **Using Vocals**.
- Do not select **Demonstration mode**.

7 Click **Next**. The **Selected installation parameters** window is displayed.

8 Verify the information is correct and click **Next**. The **Panoramic masking files** window is displayed.

9 Select **Copy the mask to the computer** and click **Next**. The **Browse For Folder** window is displayed.

10 Browse to the folder or floppy disk containing your mask file.

If you are installing a 8000C system, the **Cephalometric masking file** window is displayed. Select the **Copy the mask to the computer** option. The **Browse For Folder** window is displayed. Browse to the folder or CD containing your mask file.

11 Click **OK**. The **End of panoramic and cephalometric driver Installation** window is displayed.

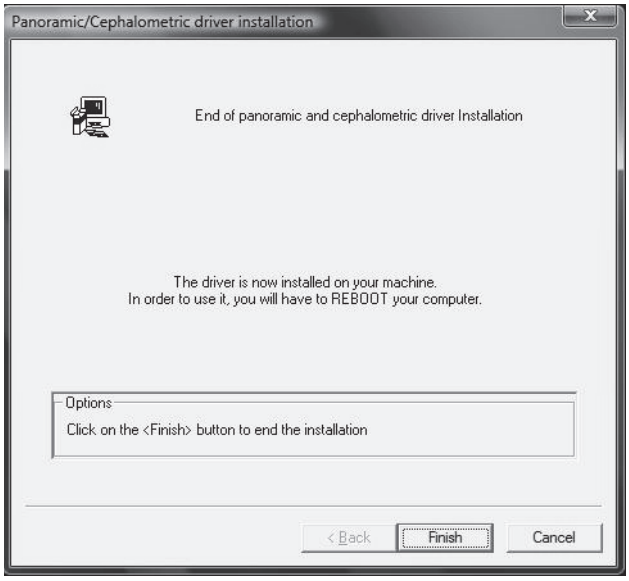


Figure 18 End of Panoramic and Cephalometric Driver Installation Window

12 Click **Finish**. A message is displayed prompting you to shut down your computer.

13 Click **OK**.

14 Install the PCI card and restart your computer.

Installing the CR7400 or CS7600 Digital Radiography System

Note: For more information on setting up your system, see the CR7400 Digital Radiography System Installation Guide or the CS7600 Digital Radiography System Installation Guide.

To install the digital radiography system, follow these steps:

1 On the install menu, click **Install Hardware**. The **Install Hardware** window is displayed.

2 Select the hardware component from the list and click **Install**. The **Installer Language** window is displayed.

Note: If you are upgrading the hardware, a message is displayed prompting you to unplug the device. Unplug the device and click **OK**.

3 Select **English** and click **OK**. The **Welcome to Setup Wizard** window is displayed.

4 Read the message and click **Next**. Select the components to install and click **Install**. The software is installed. The **Completing Setup Wizard** window is displayed.

5 Click **Finish**. A message prompts you to plug in your device.

6 Plug in the hardware and click **OK**. A message prompts you to install the software is displayed.

7 Click **OK** and remove the dental imaging software DVD from the DVD drive on your computer.

8 Insert the software installation CD that arrived with your unit into the CD-ROM and follow the on-screen instructions to install the software.

Installing the CS 9000, CS 9000C or CS 9000 3D Extraoral Imaging System

Important: Install a supported NVIDIA card before installing the CS 9000 3D drivers or software!

To install the extraoral imaging system unit drivers and software, follow these steps:

1 On the install menu, click **Install Hardware**. The **Imaging Hardware Setup** window is displayed.

2 Select the correct component to install and click **Install**. The **Installer Language** window is displayed.

3 Select **English** and click **OK**. The **Welcome to the CS 9000 Setup Wizard** window is displayed.

4 Read the message and click **Next**. The **Choose Components** window is displayed.

5 Select the correct component and click **Install**. The **Installing** window is displayed.

6 Click **Install**. After the software is installed, the **Installation Complete** window is displayed.

7 Select **I want to manually reboot later** and click **Finish**.

8 Remove the dental imaging software DVD from the DVD drive on your computer and insert the Mask File CD. Pertinent files are automatically installed on the computer.

If the wizard does not open automatically, select **Start > Run** from the Microsoft Windows taskbar, and type **D:\K9000MaskCopier.exe**, if D is the letter assigned to your DVD drive. If your DVD drive is represented by a different letter, substitute that letter for D.

9 After the files are installed, click **Quit** and reboot your computer.

Installing the CS 9300 and CS 9300 3D Extraoral Imaging System

Important: Before installing the system, review the installation and user instructions received with your hardware!

To install the extraoral imaging system unit drivers and software, follow these steps:

1 On the install menu, click **Install Hardware**. The **Imaging Hardware Setup** window is displayed.

2 Select **CS 9300/ CS 9300 C** and click **Install**. The **Installer Language** window is displayed.

3 Select **English** and click **OK**. The **Welcome to the CS9300 Setup Wizard** window is displayed.

Figure 19 Welcome to the CS9300 Setup Wizard Window

4 Read the message and click **Install**. The **Installing** window is displayed. The **Intel(R) Network Connections - InstallShield Wizard (Welcome)** window is displayed.

5 Read the message and click **Next**. The **Intel(R) Network Connections (Setup Options)** window is displayed.

6 Click **Next**. The **Intel(R) Network Connections - InstallShield Wizard (Ready to Install the Program)** window is displayed.

7 Click **Install**. The software is installed and the **Intel(R) Network Connections - InstallShield Wizard (InstallShield Wizard Complete)** window is displayed.

8 Click **Finish**. The **Microsoft L05 Release 1 Setup** window is displayed.

Note: If Microsoft Office Visual C++ software is not installed on your computer, the **Microsoft Visual C++ 2005 window** is displayed. Ready the message and click **Yes**.

9 Click **No**. The **eBUS Driver Installation Tool** window is displayed.

10 Select **Install High-Performance IP Device Driver** from the **Action** drop-down list in the **Intel(R) PRO/1000 GT Desktop Adapter** row.

11 Select **Do Nothing** from the **Action** drop-down list in the other rows and click **Install**. The **eBUS Driver Installation Tool** window is displayed. The **Action** drop-down list in the **Intel(R) PRO/1000 GT Desktop Adapter** row is disabled.

12 Click **Close**. A message asking you to reboot your machine is displayed.

13 Click **OK**. The **Installation Complete** window is displayed.

Figure 20 Installation Complete Window

14 Select **I want to manually reboot later** and click **Finish**.

15 Remove the dental imaging software DVD from the DVD drive on your computer and insert the Mask File CD. Pertinent files are automatically installed on the computer.

If the wizard does not open automatically, select **Start > Run** from the Microsoft Windows taskbar, and type **D:\K9300MaskCopier.exe**, if D is the letter assigned to your DVD drive. If your DVD drive is represented by a different letter, substitute that letter for D.

16 After the files are installed, click **Quit** and reboot your computer.

Installing the CS 9500 Cone Beam System

To install the cone beam system unit drivers and software, follow these steps:

1 On the install menu, click **Install Hardware**. The **Imaging Hardware Setup** window is displayed.

2 Select the cone beam component and click **Install**. The **Installer Language** window is displayed.

3 Select **English** and click **OK**. The **Welcome to the CS 9500 Setup Wizard** window is displayed.

4 Read the message and click **Next**. The **Installing** window is displayed. The drivers are installed. The **Installation Complete** window is displayed.

5 Select **I want to manually reboot later** and click **Finish**.

6 Remove the dental imaging software DVD from the DVD drive on your computer and insert the Mask File CD. Pertinent files are automatically installed on the computer.

If the wizard does not open automatically, select **Start > Run** from the Microsoft Windows taskbar, and type **D:\K9500MaskCopier.exe**, if D is the letter assigned to your DVD drive. If your DVD drive is represented by a different letter, substitute that letter for D.

7 After the files are installed, click **Quit** and reboot your computer.

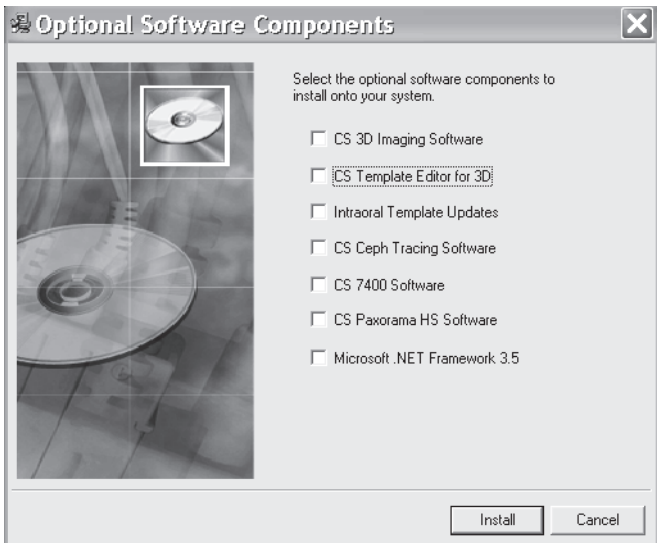
Installing Optional Software

Important: Install the dental imaging software and hardware components before installing optional software.

You can install sample patient images and volumes, the 3D imaging software, template editor, and implant library, or install intraoral template updates, from the dental imaging software installation menu.

To install optional software, follow these steps:

1 On the install menu, click **Install Optional Software**. The **Optional Software Components** window is displayed.



2 Select the optional components to install and click **Install**.

3 Follow the on-screen instructions to install the component.

Installing Training Patient Extraoral Images and Volumes

To install tutorial images for the extraoral unit, follow these steps:

1 Verify all other programs on the server are closed, and insert the dental imaging software into the DVD drive of the server. The install menu is displayed.

2 Click **Install Optional Software** on the install menu. The **Optional Software Window** window is displayed.

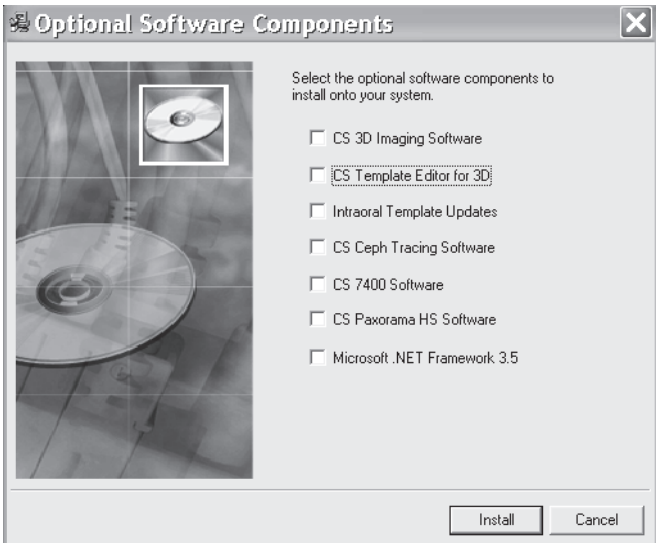


Figure 21 Optional Software Components

3 Do one of the following:

- To install images for the 9000 or 9000C unit, select **CS Training Patient 2D Images**.
- To install images for the 9000 3D unit, select **CS Training Patient 3D Volumes**.

4 Click **Install**. The **Demo Patient** window is displayed.

5 Read the message and click **Next**. The demo patient information is copied. The **Installation Complete** window is displayed.

6 Click **Finish**.