

XPS 13 9350

Re-imaging guide for Windows

Notes, cautions, and warnings

 **NOTE:** A NOTE indicates important information that helps you make better use of your product.

 **CAUTION:** A CAUTION indicates either potential damage to hardware or loss of data and tells you how to avoid the problem.

 **WARNING:** A WARNING indicates a potential for property damage, personal injury, or death.

Contents

Chapter 1: Installation overview.....	4
Chapter 2: Introduction.....	5
Chapter 3: Order of reinstallation.....	6
Chapter 4: Updating or resetting the BIOS.....	7
Updating the BIOS in Windows.....	7
Clearing CMOS settings.....	7
Trusted Platform Module (TPM) security.....	7
Chapter 5: Reinstalling the operating system.....	8
Chapter 6: Reinstalling drivers and applications.....	9
Displaying drivers and applications on your computer.....	9
Chapter 7: Reinstallation sequence for drivers and applications.....	10
Critical Microsoft Knowledge Base (KB) updates.....	10
Intel chipset device software.....	10
Downloading and installing the chipset driver.....	10
Graphics.....	10
Downloading and installing the graphics driver.....	11
Audio.....	11
Downloading and installing the audio driver.....	11
Fingerprint-reader driver.....	11
Downloading and installing the fingerprint-sensor driver.....	11
MyDell.....	12
Wireless Local Network (WLAN) drivers.....	12
Downloading and installing the Wi-Fi driver.....	12
Dell docking stations.....	12
Chapter 8: .NET Framework.....	13
Chapter 9: Getting help and contacting Dell.....	14

Installation overview

CAUTION: This section of the re-imaging guide covers driver installation and driver updates and is designed for system administrators. Do not attempt to install or update drivers on the system if you are not an administrator or if you are unsure of the procedures. Failure to follow instructions may result in permanent data loss.

NOTE: Information provided in this guide is only applicable to computers shipped with a Windows 11 operating system.

NOTE: Dell recommends that you download and install the device drivers from the Dell [Drivers & Downloads](#) website. Installing device drivers from a non-Dell website can cause system performance issues, corrupt operating system files, blue screen errors, unexpected shutdowns, or infect your computer with malicious software.

Device drivers must be updated when you reinstall the operating system using either a CD, DVD, USB key, or when you are facing networking, graphics, sound or other hardware-related problems. Dell recommends that you install or update device drivers if you have performed a factory reset of your Dell computer using the [Dell Backup and Recovery](#) application or other factory-reset methods. This ensures that you have the latest device drivers installed on your computer and that the devices function optimally.

Installing or updating device drivers may lead to the following improvements:

- Increases in system performance
- Patched security risks
- Expanded compatibility
- Fixed device issues
- Support for new features

However, if your computer is operating normally and there are no driver issues or updates being prompted by Windows, driver updates may be unnecessary. Updating drivers unnecessarily may create new problems.

Review the importance of each driver update on the Dell [Drivers & Downloads](#) page before assessing the need to continue with an update.

Introduction

CAUTION: This reimaging guide is designed for computer administrators. Do not attempt to reimage your computer if you are not an administrator or if you are unsure of the procedures. Failure to follow instructions may result in permanent data loss.

NOTE: The information that is provided in this guide is only applicable to computers with Windows 11 installed.

NOTE:

Reimaging is the process of removing all software on the computer and reinstalling the removed software. Reimaging is required when software in the computer is corrupted or damaged. It can also be used as a means of removing harmful and malicious software in your computer. This reimaging guide provides the steps that are required for reimaging your computer.

This guide assists you in installing Dell-recommended software stack and settings, drivers, and applications, which are tested and validated on the XPS 13 9350. The installation of the listed drivers and applications as described in the guide enhances the optimal performance of your computer.

Dell also provides drivers and applications that are not included with the Windows operating system. These drivers are required to enable the following solid state drives (SSDs):

- 512 GB PCIe SSD
- 1 TB PCIe SSD
- 2 TB PCIe SSD
- 4 TB PCIe SSD

It is always recommended to reimage on a newly installed operating system and not from any previous image-build. Ensure that the BIOS settings, including SATA configurations and modes, are set appropriately. Use the latest drivers and applications when reimaging the computer.

Order of reinstallation

NOTE: Some drivers and application installation steps may not be applicable, depending on the configuration of the computer you have ordered.

To achieve optimal performance, install the drivers and applications in the following sequence:

1. **BIOS:** Enables the operating system to be loaded into the memory and enables the initial setup process on your computer.
2. **Windows operating system:** The operating system controls the computer's hardware to be a base on which other software can operate.
3. **Critical Microsoft Knowledge Base (KB) updates:** Microsoft updates that fix and optimize the operating system. For more information, see [Windows release information](#).
4. **Intel chipset driver:** Allows Windows to communicate and adjust settings on components on the system board which includes:
 - Intel Innovation Platform Framework Driver
 - Intel Chipset Device Software Driver
 - Intel Management Engine Components Installer
 - Intel Serial I/O Driver
 - Intel HID Event Filter Driver
 - Intel Thunderbolt Controller Driver (applicable if your computer is running the Windows 10 operating system)
 - Intel Dynamic Tuning Driver
 - Intel Integrated Sensor Solution Driver
 - Intel 2D Imaging/MCU/Visual Sensing Controller Driver
 - Intel AI Boost Driver
 - Intel Processor Power Management Package
5. **Graphics driver:**
 - Enhances and optimizes video performance.
 - Enables and provides additional functionality not in the native Microsoft VGA driver, including:
 - User-customizable power management features
 - Portability and behavioral profiles
 - Multiple-monitor support
6. **Audio driver:** Enables and enhances the audio controller.
7. **Fingerprint Sensor Driver:** Enables and enhances the fingerprint-sensor controller.
8. **Dell applications**, which include MyDell application.
9. **Networking and communication drivers**, which include:
 - Wireless Local Area Network (WLAN) adapter driver: Enables and enhances the wireless adapter.
 - Bluetooth driver: Enables and enhances the Bluetooth adapter.
10. **Dell docking station drivers, if applicable.**
11. **Microsoft Windows Studio Effects Driver:** Enables and enhances the Microsoft Windows Studio Effects.
12. **Dell PremierColor Panel Driver**
13. **Dolby Vision Panel Driver:** Enables and enhances the Dolby Vision Panel controller.
14. **Dolby Atmos Application and Access Key**

Updating or resetting the BIOS

Updating the BIOS in Windows

It is recommended to update the BIOS in Windows when an update is available or when you replace the system board. To update the BIOS:

1. Go to [Dell Support Site](#).
2. In the **Search support** field, enter the Service Tag, Serial Number, Service Request, Model, or Keyword of your computer, and then click **Search**.
NOTE: If you do not have the Service Tag, Serial Number, Service Request, Model, or Keyword, use the SupportAssist feature to automatically identify your computer. You can also click **Browse all products** to manually browse for your computer.
3. Click **Drivers & Downloads**.
4. From the **Operating system** drop-down list, select the operating system that is installed on your computer.
5. From the **Category** drop-down list, select **BIOS**.
6. Select the latest version of BIOS, and click **Download** to download the BIOS file for your computer.
7. After the download is complete, browse the folder where you saved the BIOS update file.
8. Double-click the BIOS update file icon and instructions on the screen.

For more information, see knowledge base article [000124211](#) at [Dell Support Site](#).

Clearing CMOS settings

If flashing your computer with the latest BIOS update results in your computer being unable to boot, a BIOS reset is necessary. Clearing the CMOS settings resets the BIOS to factory settings. For more information about clearing the CMOS settings, go to the [Dell Support Site](#) and see the *Owner's Manual* of your computer.

Trusted Platform Module (TPM) security

TPM must be enabled in the BIOS setup program for it to be deployed on the computer. Follow these steps to enable and configure the TPM:

1. Turn on or restart your computer.
2. Press F2 when the Dell logo is displayed on the screen to enter the BIOS setup program. The BIOS setup program is displayed.
3. On the left pane, select **Security**.
4. Select or clear any of the following options to enable or disable it, respectively:
 - **TPM state (Enabled or Disabled):**
 - **Enabled:** The BIOS will enable the TPM during POST and it can be accessed by the operating system.
 - **Disabled:** The BIOS will not enable the TPM during POST and it cannot be accessed by the operating system.
 - **TPM 2.0 security On:** The TPM is enabled and activated.
 - **Clear:** The BIOS clears the information stored in the TPM.
5. Save the settings and exit.

Reinstalling the operating system

The Windows operating system is validated for use on this computer. You can reset or reinstall the operating system under different scenarios. For more information about reinstalling the operating system, see the knowledge base article [000192698](#) at [Dell Support Site](#).

Before reinstalling the operating system, Dell Technologies recommends you to backup all data as described in the [Microsoft knowledge base article](#).


Reinstalling drivers and applications

Drivers and applications are software that enables the Windows operating system to communicate with the hardware devices and software in your computer. Devices such as video and sound cards require drivers to function correctly within the Windows operating system, and enable you to adjust hardware settings.

The Windows operating system includes drivers for most devices, but device-specific drivers may have to be downloaded and installed separately. Dell Technologies recommends that you download the device drivers for your computer from [Drivers & Downloads](#).

Applications must be downloaded and installed separately. Dell Technologies recommends that you download the required applications for your Dell computer from the [Dell Download Center](#).

Displaying drivers and applications on your computer

1. Turn on your computer.
2. Go to [Dell Support Site](#).
3. In the **Search support** field, enter the Service Tag, Serial Number, Service Request, Model, or Keyword of your computer, and then click **Search**.
 **NOTE:** If you do not have the Service Tag, Serial Number, Service Request, Model, or Keyword, use the SupportAssist feature to automatically identify your computer. You can also click **Browse all products** to manually browse for your computer.
4. Click **Drivers & Downloads**.
5. From the **Operating system** drop-down list, select the Windows operating system that is installed on your computer to get a list of the drivers and applications available for your computer.

Reinstallation sequence for drivers and applications

Driver installation is critical after reinstalling the Windows operating system on your Dell computer. Install the drivers in the correct sequence for your computer to function correctly. In some scenarios, you may have to reinstall or update the device driver if you are encountering issues with a specific device.

For more information, see the Dell knowledge base article [000132394](#) at [Dell Support Site](#).

NOTE: The Windows operating system includes touchpad drivers; no other touchpad-driver installation is required.

Dell Technologies recommends installing drivers or applications in the following sequence.

Critical Microsoft Knowledge Base (KB) updates

Dell Technologies recommends installing all the latest available KB updates on your computer. KB updates are automatically downloaded and installed when Windows Updates are enabled and can also be manually downloaded and installed from the Microsoft support site. For more information, see the [Windows release information](#).

Intel chipset device software

The Windows operating system may not include the updated Intel chipset device software for Dell computers. The Intel chipset device software is available at the [Dell Support Site](#).

Downloading and installing the chipset driver

1. Turn on the computer.
2. Go to the [Dell Support Site](#).
3. In the **Search support** field, enter the Service Tag, Serial Number, Service Request, Model, or Keyword of your computer, and then click **Search**.

NOTE: If you do not have the Service Tag, Serial Number, Service Request, Model, or Keyword, use the SupportAssist feature to automatically identify your computer. You can also click **Browse all products** to manually browse for your computer.

4. Click **Drivers & Downloads**.
5. From the **Category** drop-down list, select **Chipset**.
6. Click **Download** to download the chipset driver for your computer.
7. After the download is complete, go to the folder where you saved the chipset driver file.
8. Double-click the chipset driver file icon and follow the on-screen instructions.

Graphics

The Windows operating system includes the VGA-graphics driver only. For optimal graphics performance, install the Dell graphics driver applicable to your computer from the [Dell Support Site](#).

Downloading and installing the graphics driver

1. Turn on your computer.
2. Go to the [Dell Support Site](#).
3. In the **Search support** field, enter the Service Tag, Serial Number, Service Request, Model, or Keyword of your computer, and then click **Search**.

NOTE: If you do not have the Service Tag, Serial Number, Service Request, Model, or Keyword, use the SupportAssist feature to automatically identify your computer. You can also click **Browse all products** to manually browse for your computer.

4. Click **Drivers & Downloads**.
5. From the **Category** drop-down list, select **Video**.
6. Click **Download** to download the preferred graphics driver for your computer.
7. After the download is complete, go to the folder where you saved the graphics driver file.
8. Double-click the graphics driver file icon and follow the on-screen instructions.

Audio

The Windows operating system does not include the audio driver recommended by Dell. Install the HD audio driver available for download from the [Dell Support Site](#).

Downloading and installing the audio driver

1. Turn on your computer.
2. Go to the [Dell Support Site](#).
3. In the **Search support** field, enter the Service Tag, Serial Number, Service Request, Model, or Keyword of your computer, and then click **Search**.

NOTE: If you do not have the Service Tag, Serial Number, Service Request, Model, or Keyword, use the SupportAssist feature to automatically identify your computer. You can also click **Browse all products** to manually browse for your computer.

4. Click **Drivers & Downloads**.
5. From the **Category** drop-down list, select **Audio**.
6. Click **Download** to download the preferred audio driver for your computer.
7. After the download is complete, go to the folder where you saved the audio driver file.
8. Double-click the audio driver file icon and follow the on-screen instructions.

Fingerprint-reader driver

Downloading and installing the fingerprint-sensor driver

1. Turn on your computer.
2. Go to the [Dell Support Site](#).
3. In the **Search support** field, enter the Service Tag, Serial Number, Service Request, Model, or Keyword of your computer, and then click **Search**.

NOTE: If you do not have the Service Tag, Serial Number, Service Request, Model, or Keyword, use the SupportAssist feature to automatically identify your computer. You can also click **Browse all products** to manually browse for your computer.

4. Click **Drivers & Downloads**.
5. From the **Category** drop-down list, select **Security**.

6. Click **Download** to download the Fingerprint Sensor Driver for your computer.
7. After the download is complete, go to the folder where you saved the Fingerprint Sensor driver file.
8. Double-click the Fingerprint Sensor driver file icon and follow the on-screen instructions.

MyDell

This AI-based optimization software delivers intelligent features to automatically fine-tune your computer for the best audio, video, battery, and performance. Each MyDell experience is different for every user as it learns and responds to the behavior of how the computer is used. MyDell takes one week to learn the behavior of the user, and adjusts their profile after each one-week learning period when needed.

The key features are as follows:


- **Applications:** Displays preinstalled and purchased applications.
- **Audio:** Improves audio quality for entertainment and work.
- **Power:** Improves the battery performance and extends runtime for uninterrupted entertainment and productivity.
- **Color and Display:** Allows for choosing or customizing of color settings, depending on usage.
- **Preferences:** Allows user to opt in for the MyDell customer experience improvement program, and to receive Dell team notifications.

Wireless Local Network (WLAN) drivers

The Windows operating system does not provide native-device driver support for WLAN controllers on Dell computers. To obtain wireless network functionality, install the relevant WLAN drivers from the [Dell Support Site](#).

Downloading and installing the Wi-Fi driver


1. Turn on the computer.
2. Go to the [Dell Support Site](#).
3. In the **Search support** field, enter the Service Tag, Serial Number, Service Request, Model, or Keyword of your computer, and then click **Search**.

 **NOTE:** If you do not have the Service Tag, Serial Number, Service Request, Model, or Keyword, use the SupportAssist feature to automatically identify your computer. You can also click **Browse all products** to manually browse for your computer.

4. Click **Drivers & Downloads**.
5. From the **Category** drop-down list, select **Network, Ethernet & Wireless**.
6. Click **Download** to download the preferred Wi-Fi controller and Bluetooth drivers for your computer.
7. After the download is complete, go to the folder where you saved the driver files.
8. Double-click the file icon of each driver file, and follow the on-screen instructions.

Dell docking stations

With a Dell docking station, you can connect devices without plugging each device directly to the computer. The devices include mouse, keyboard, stereo speakers, external hard drive, and large-screen displays. Dell Thunderbolt Dock WD22TB4 can be connected to the Thunderbolt 4 (USB Type-C) port on your computer:

 **CAUTION:** You must update the computer BIOS and the Dell docking station drivers to the latest versions before using the docking station. With an older version of the BIOS or the driver, your computer may not recognize the docking station or it may not function optimally.

For more information about the drivers required for the Dell docking station, see [Dell Support Site](#).

.NET Framework



The .NET Framework is a software framework from Microsoft, which is bundled with Windows operating systems. The .NET Framework is intended to be used by applications created for the Windows platform.

Getting help and contacting Dell

Self-help resources


You can get information and help on Dell products and services using these self-help resources:


Table 1. Self-help resources

Self-help resources	Resource location
Information about Dell products and services	Dell Site
My Dell app	
Tips	
Contact Support	In Windows search, type <code>Contact Support</code> , and press Enter.
Online help for operating system	Windows Support Site Linux Support Site
Access top solutions, diagnostics, drivers and downloads, and learn more about your computer through videos, manuals, and documents.	Your Dell computer is uniquely identified using a Service Tag or Express Service Code. To view relevant support resources for your Dell computer, enter the Service Tag or Express Service Code at Dell Support Site . For more information about how to find the Service Tag for your computer, see Locate the Service Tag on your computer .
Dell knowledge base articles	<ol style="list-style-type: none"> 1. Go to Dell Support Site. 2. On the menu bar at the top of the Support page, select Support > Support Library. 3. In the Search field on the Support Library page, type the keyword, topic, or model number, and then click or tap the search icon to view the related articles.

Contacting Dell

To contact Dell for sales, technical support, or customer service issues, see [Contact Support at Dell Support Site](#).

 **NOTE:** Availability of the services may vary depending on the country or region, and product.

 **NOTE:** If you do not have an active Internet connection, you can find contact information about your purchase invoice, packing slip, bill, or Dell product catalog.