

Upgrading to Windows Vista for Toshiba **Tecra M5**

This particular document pertains specifically to the particular computer model selected from the Model list on the Toshiba Download Center website. Different versions of this document – with significantly different content – are provided for other models (including those with similar model names).

This document describes two methods for upgrading from **Microsoft Windows XP** to **Microsoft Windows Vista** on Toshiba portable computers.

- Perform a **manual upgrade**

Follow the steps immediately below to perform a ‘manual upgrade’— by performing the various steps listed below, one at a time, without software assistance. This upgrade method preserves your existing programs, data and user accounts. It explains how to remove several software ‘components’ that are specifically for Windows XP, and which must be removed before installing Windows Vista.

This method also includes instructions for replacing the Toshiba components for Windows XP with corresponding components for Windows Vista. Your computer may have Windows XP software components from other companies that must be removed before installing Windows Vista – McAfee Internet Security and Intervideo WinDVD Creator, for example. Contact the publishers of these applications for information about their upgrade options for Windows Vista.

- Perform a **manual clean installation**

This upgrade method *removes* any existing programs, data and user profiles. The result is a ‘clean’ installation of Windows Vista, without anything carried forward from the previous installation of Windows XP. Click the following link to jump to the [clean installation](#) instructions in this document.

Please print this document Printing this document will allow you to follow these instructions even if you lose your connection to the Internet during the installation procedure.

Click the following link to Microsoft’s [Windows Vista Upgrade Advisor](#). The Upgrade Advisor can verify that your computer is capable of running Windows Vista, and can identify applications and other software components that should be removed before installation of Windows Vista. The Upgrade Advisor can also recommend the version of Windows Vista that is most appropriate to your computer.

== Windows Vista **manual upgrade** procedure ==

This procedure is specifically for use with Vista-capable Toshiba portable computers. You will need a Windows Vista installation disc and a connection to the Internet to complete the procedure.

1. **Download Toshiba BIOS and software components for Windows Vista**
2. **Update the computer’s BIOS**
3. **Remove Toshiba software components for Windows XP**
4. **Install Windows Vista**
5. **Install Toshiba-supplied software components for Windows Vista**

1

Download Toshiba BIOS and software components for Windows Vista

Follow the steps below to download new Toshiba BIOS and new Toshiba-supplied software components for Windows Vista, listed in the table immediately below.

These new software components will replace the XP-specific components to be removed in Section 2, below. The computer's **BIOS** must specifically support Windows Vista. Unless Windows Vista was pre-installed on the computer, the computer's BIOS must be updated to support Windows Vista.

Toshiba software components for Windows Vista
Alps Pointing Device Driver
Bluetooth Monitor
Bluetooth Stack for Windows
Intel (802.11 a/b/g, b/g) PCIe Mini Card Driver
Intel Calistoga GM Display Driver
nVidia Display Driver
SigmaTel HD Audio Driver
TOSHIBA Fingerprint Utility
Toshiba Software Modem
CD/DVD Drive Acoustic Silencer
Config Free
TOSHIBA Assist
TOSHIBA Disc Creator
TOSHIBA Extended Tiles for Windows Mobility Center
Toshiba HDD Protection
TOSHIBA IE Favorites Links
TOSHIBA SD Memory Boot Utility
TOSHIBA SD Memory Utilities
TOSHIBA Security Assist
Toshiba Software Upgrades
TOSHIBA Value Added Package
User's Guide - Unattended Installation
Wireless Key Logon

1. Using Windows Explorer, create a new folder named **BIOS** under the root directory of the computer's hard disk drive – ordinarily identified as drive "(C:)"
2. Create another folder named **Vista Downloads** – also under the hard disk drive's root directory.
3. If a **RAID driver** is listed in the table above, create a third folder named **RAID driver** – also under the hard disk drive's root directory.
4. Browse to <http://vistaDL.toshiba.com>
5. Select your computer model from the lists of Product, Family and Model, and click the Go button.

A list of software components and BIOS updates will be displayed.

6. Download the latest Vista-compatible **BIOS** for your computer – to the new **BIOS** folder.
7. If a **RAID driver** is listed in the table above, download it to the new **RAID driver** folder.
8. Right-click the .zip file for the RAID driver, and then click **Extract All**. The Extraction Wizard will start. Follow its prompts to unzip and save the driver into the same RAID driver folder.
9. Download the Toshiba-supplied software components in the table above, one at a time, and save them to the **Vista Downloads** folder, created above.

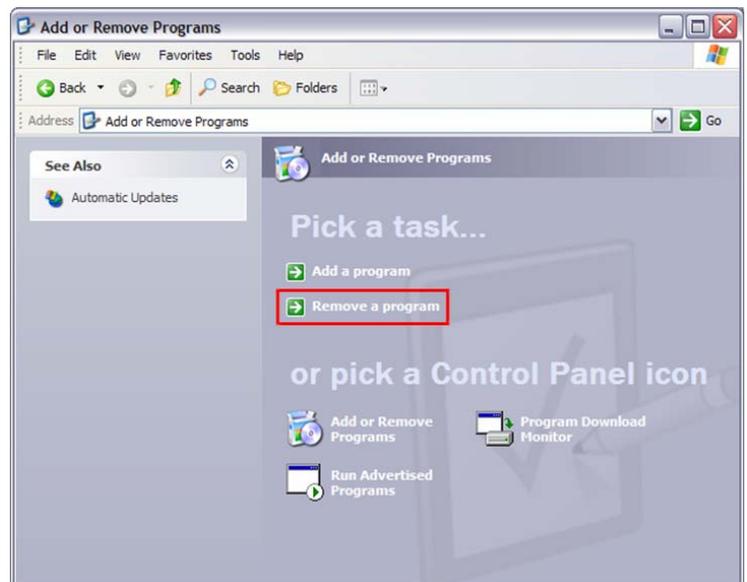
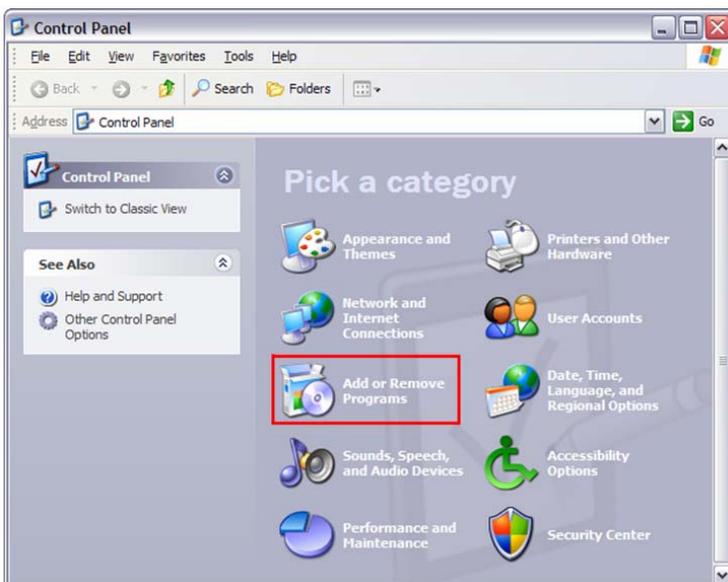
2 Update the computer's BIOS

1. Use Windows Explorer to browse to the new **BIOS** folder.
2. Double-click the BIOS filename to start the BIOS update, and then follow the onscreen instructions to complete the BIOS update.
3. Restart the computer, by clicking **Start**, then **Shut Down**, then **Restart** from the list of options.

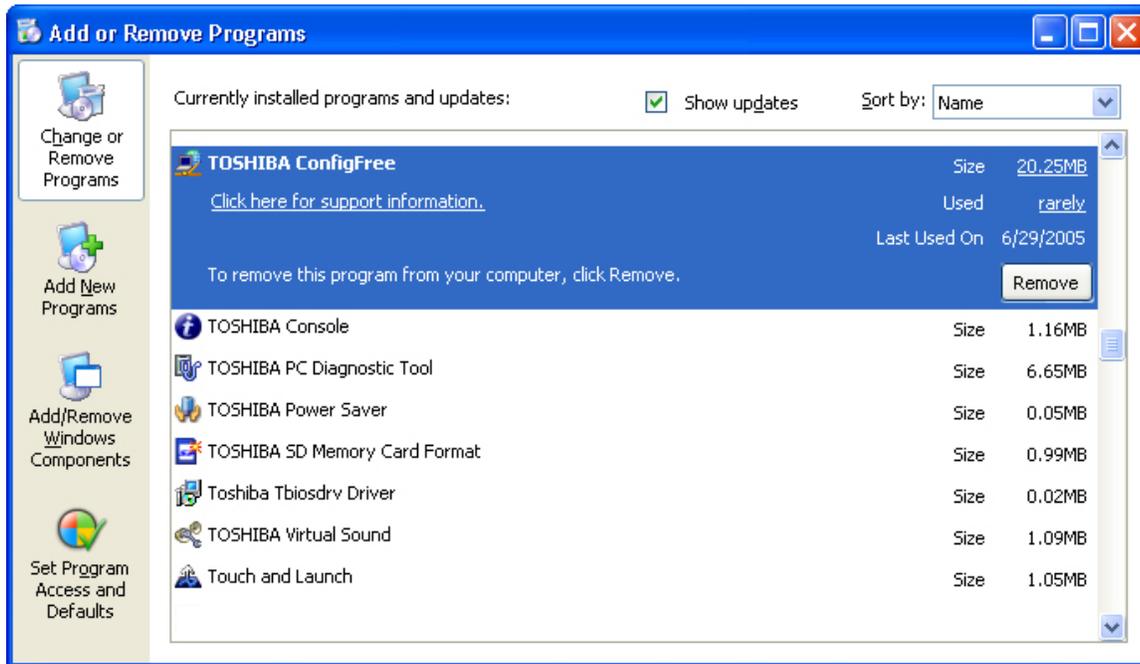
3 Remove Toshiba software components for Windows XP

Follow the steps below to remove Toshiba software components that are specifically for Windows XP – and which must be removed *before* installing Windows Vista. These XP-specific components are listed in the table following the screen shots below. Your computer may have Windows XP software components from other companies that must be removed before installing Windows Vista – McAfee Internet Security and Intervideo WinDVD Creator, for example. Contact the companies that publish these applications for information about their upgrade options for Windows Vista.

1. Click the Windows **Start** button, then click **Control Panel**.
2. Click **Add or Remove Programs**, then click **Remove a program**, as shown in the screen shots below. You may need to log in with an Administrator password to uninstall the software components.



A list of currently-installed software components will appear, similar to the screen shot below, though the contents of the list will vary from model to model.



3. Click the name of the software component to be removed, and then click the **Change/Remove** button for that component – as shown in the screen shot above.

4. Click **Yes** in the confirmation pop-up window.

Repeat these steps 3 and 4 for each software component in the table below.

Toshiba software components for Windows XP which must be removed before installing Windows Vista
Bluetooth Stack for Windows
DVD RAM Driver Software
SD Secure Module
CD/DVD Drive Acoustic Silencer
Config Free
TOSHIBA Mic Effect
TOSHIBA Assist
Toshiba Controls
Toshiba Display Device Change Utility
Toshiba Dual Pointing Device Utility
TOSHIBA Fingerprint Utility

Toshiba HDD Protection
Toshiba Hotkey Utility for Display Devices
Toshiba Mobile Extension 3
Toshiba MyConnect Special Offer Version 1.1
Toshiba Password Utility
TOSHIBA PC Diagnostic Tool
TOSHIBA Power Saver
Toshiba Registration Software (without AT&T)
TOSHIBA SD Memory Boot Utility
TOSHIBA SD Memory Card Format Utility
TOSHIBA Security Assist Utility
Toshiba Software Upgrades
Toshiba Utilities
Toshiba Wireless Hotkey
TOSHIBA Zooming Utility
Atheros Client Utility (802.11 a/b/g, b/g)
Config Free Demo Screen Saver
DLA Packet Writing Software
Intel PROSET Utility (802.11 a/b/g, b/g)
InterVideo WinDVD
McAfee Active Shield Antivirus
RecordNow! Basic
Sun Java 2 Runtime Environment
TOSHIBA Backup Utility
Hard Disk Recovery Utilities
Toshiba AOL 9.0 Offer
TOSHIBA Yahoo Music Engine

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Install Windows Vista

Launch the **Windows Vista installation program** by following these steps:

1. Insert the **Windows Vista installation disc** into the computer's optical drive.
2. After a brief delay, the installation program should start.

If the installation program does not start automatically, then follow these steps:

1. Click **Start**, then click **My Computer**.
 2. Browse to the optical drive (typically designated drive D:)
 3. Double-click the file **setup.exe**. The installation should now start.
3. Click **Install Now**.

Follow the instructions presented by the Windows Vista installation program.

If a **RAID driver** is listed in the table in section 2, then follow these additional steps:

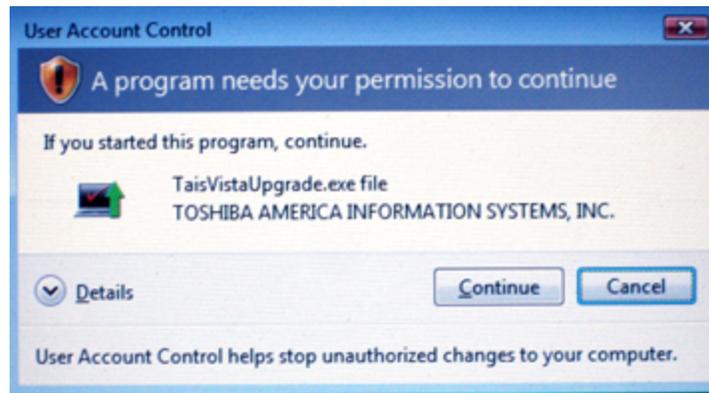
1. When prompted for the type of installation, select **Custom (Advanced)**. The "Where do you want install Windows?" prompt will appear, along with the message "Windows cannot be installed to this disk. Windows needs the driver for device [TOSHIBA RAID]."
2. Click the **Load driver** link.
3. Browse to the **RAID driver** folder created in the steps above.
4. Click the filename of the RAID driver to select it, and click the OK button.
5. An available partition will now be displayed. Select the partition and click Next.
6. Click **OK** to overwrite the existing Windows XP installation, and continue with the installation of Windows Vista.
7. Follow the remaining instructions presented by the Windows Vista installation program.

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Install Toshiba software components for Windows Vista

Once Windows Vista is running on your computer, follow these instructions to install the Vista-specific Toshiba software components that you downloaded in section 1, above.

1. Click the Vista **Start** button, then click **Computer** in the pane to the right.
2. Browse to the new **Vista Downloads** folder, created in the steps above.
3. Double-click the filename of the first of the software components to start its installation. Follow any instructions that appear during the installation, including the **Continue** prompt on the User Account Control dialog box for each component, shown below.



Repeat these steps for each of the software component files in the folder.

4. Ignore any "Please restart your computer" instructions displayed by the installation programs. Restart the computer after the last installation program in the table above is finished, by clicking **Start**, then **Shut Down**, then **Restart** from the list of options.

Microsoft Windows Vista should now be ready for use.

These installation instructions apply to Toshiba software component. Please contact the publishers of other software components (such as McAfee Internet Security and Intervideo WinDVD Creator) for information about their upgrade options for Windows Vista.

== Windows Vista clean installation procedure ==

This upgrade method **removes** any existing programs, data and user profiles. The result is a 'clean' installation of Windows Vista, with nothing carried forward from the previous Windows XP installation.

This procedure is specifically for use with Vista-capable Toshiba portable computers. You will need a Windows Vista installation disc and a connection to the Internet to complete this procedure.

1. **Update the computer's BIOS**
2. **Download the Toshiba RAID driver** (if required)
3. **Install Windows Vista**
4. **Download and install Toshiba software components for Windows Vista**

Print this document

Printing this document will allow you to follow these instructions even if you lose your connection to the Internet during the installation procedure.

Click the following link to the [Windows Vista Upgrade Advisor](#). The Upgrade Advisor can verify that your computer is capable of running Windows Vista, and can identify applications and other software components that should be removed before installation of Windows Vista. The Upgrade Advisor can also recommend the version of Windows Vista that is most appropriate to your computer.

1**Update the computer's BIOS**

Follow the steps below to download a new Vista-compatible BIOS.

1. Using Windows Explorer, create a folder named **Vista Downloads** under the **My Documents** folder.
2. Browse to <http://vistaDL.toshiba.com>
3. Select your computer model from the lists of Product, Family and Model, and click the Go button.

A list of software components and BIOS updates will be listed.

The computer's **BIOS** must specifically support Windows Vista. Unless Windows Vista was pre-installed on the computer, the computer's BIOS must be updated to support Windows Vista.

4. Download the latest Vista-compatible BIOS for your computer, and save it to the Vista Downloads folder.
5. Use Windows Explorer to browse to the **Vista Downloads** folder, created above.
6. Double-click the BIOS filename to start the BIOS update, and then follow the onscreen instructions to complete the BIOS update.
7. Restart the computer, by clicking **Start**, then **Shut Down**, then **Restart** from the list of options.

2 Download the RAID driver (if applicable)

If a **RAID driver** is listed for your model on the Toshiba Vista downloads webpage, then...

1. Download the driver to a USB flash drive, or to a diskette in a USB diskette drive, or to a flash memory card – if the computer has a built-in memory card slot. Do not download the RAID driver to the local hard disk drive.
2. Right-click the .zip file for the RAID driver, and then click **Extract All**. The Extraction Wizard will start. Follow its prompts to unzip and save the driver to the same location.

3 Install Windows Vista

Launch the **Windows Vista installation program** by following these steps:

1. Push the button on the optical drive (CD/DVD) to open it.
2. Insert the **Windows Vista installation disc** into the optical drive. Do not close the optical drive.
3. Shut down the computer, by clicking **Start** and then **Shut Down**. Make sure to choose '**Shut down**' or '**Turn off**' from the list of options – rather than Standby or Restart.
4. Close the optical drive (with the Windows Vista installation disc in the drive).
5. Press and hold the **F12** key. Continue to hold it, while briefly pressing the computer's power button to turn it on. The boot device menu should appear. Release the F12 key. If this menu does not appear, repeat steps 1 and 3.
6. Use the arrow keys to select the optical drive as the boot device. The optical drive may be represented by an icon in the shape of a CD, or may be an item in a list (possibly labeled "CD-ROM/DVD drive"). Press the enter key to confirm the selection. After a brief delay, the computer should start from the Windows Vista installation disc. If the computer starts Windows XP from the hard disk drive, repeat steps 1 and 3.

After a brief delay, the Windows Vista installation program should start. Follow the instructions presented by the installation program, including entry of your **product code** for Windows Vista.

7. Click **Next** on the first screen and then click the **Install now** button.
8. At the screen that prompts "**Which type of installation do you want?**", click the **Custom (advanced)** box. The "**Where do you want to install Windows?**" screen will appear.

If Windows Vista requires a **RAID driver** for your computer, it will state "**No drives were found.**" toward the bottom of the screen. In this case, follow these additional instructions:

1. Click the **Load driver** link.
2. Browse to the location of the RAID driver downloaded in the steps above.
3. Click the filename of the RAID driver to select it, and click the OK button.
4. An available partition will now be displayed. Select the partition and click Next.
5. Click **OK** to overwrite the existing Windows XP installation, and continue with the installation of Windows Vista.
6. Follow the remaining instructions presented by the Windows Vista installation program.

4 Download and install Toshiba software components for Windows Vista

Follow the steps below to download new Toshiba software components for Windows Vista, listed in the table immediately below.

Toshiba software components for Windows Vista		
component	down-loaded	installed
Alps Pointing Device Driver	<input type="checkbox"/>	<input type="checkbox"/>
Bluetooth Monitor	<input type="checkbox"/>	<input type="checkbox"/>
Bluetooth Stack for Windows	<input type="checkbox"/>	<input type="checkbox"/>
Intel (802.11 a/b/g, b/g) PCIe Mini Card Driver	<input type="checkbox"/>	<input type="checkbox"/>
Intel Calistoga GM Display Driver	<input type="checkbox"/>	<input type="checkbox"/>
nVidia Display Driver	<input type="checkbox"/>	<input type="checkbox"/>
SigmaTel HD Audio Driver	<input type="checkbox"/>	<input type="checkbox"/>
TOSHIBA Fingerprint Utility	<input type="checkbox"/>	<input type="checkbox"/>
Toshiba Software Modem	<input type="checkbox"/>	<input type="checkbox"/>
CD/DVD Drive Acoustic Silencer	<input type="checkbox"/>	<input type="checkbox"/>
Config Free	<input type="checkbox"/>	<input type="checkbox"/>
TOSHIBA Assist	<input type="checkbox"/>	<input type="checkbox"/>
TOSHIBA Disc Creator	<input type="checkbox"/>	<input type="checkbox"/>
TOSHIBA Extended Tiles for Windows Mobility Center	<input type="checkbox"/>	<input type="checkbox"/>
Toshiba HDD Protection	<input type="checkbox"/>	<input type="checkbox"/>
TOSHIBA IE Favorites Links	<input type="checkbox"/>	<input type="checkbox"/>
TOSHIBA SD Memory Boot Utility	<input type="checkbox"/>	<input type="checkbox"/>
TOSHIBA SD Memory Utilities	<input type="checkbox"/>	<input type="checkbox"/>
TOSHIBA Security Assist	<input type="checkbox"/>	<input type="checkbox"/>
Toshiba Software Upgrades	<input type="checkbox"/>	<input type="checkbox"/>
TOSHIBA Value Added Package	<input type="checkbox"/>	<input type="checkbox"/>
User's Guide - Unattended Installation	<input type="checkbox"/>	<input type="checkbox"/>
Wireless Key Logon	<input type="checkbox"/>	<input type="checkbox"/>

1. Browse to Toshiba's Vista downloads webpage at <http://vistaDL.toshiba.com>
2. Select your computer model from the lists of Product, Family and Model, and click **Go**.
3. A list of software components available for the model selected will be displayed. The list may contain more than one version of some components. The list is sorted chronologically, so that the newest version of each component will be listed above older versions.

Each software component is listed just once in the table above. Use it as a guide for locating the newest version of each software component in the webpage list. Track your progress

through the list by checking off the 'downloaded' and 'installed' boxes on your printed copy of this table, as you work through the list.

4. Starting at the top, identify the first software component in the table above, then identify the newest version of that component in the list on the Vista downloads page, and then click its  icon to start downloading it.
5. Follow your browser's instructions to save the file to the Windows desktop, or to another convenient location.
6. Click the Vista **Start** button, then click **Computer** in the pane to the right. The Windows Explorer program will start.
7. Use Windows Explorer to navigate to the Windows desktop, or to the folder where you've downloaded the new software components.
8. Double-click the filename of a new software component to start its installation program. Follow the installation program's instructions to install the software component.

Repeat steps 4 through 8 for each software component in the table above.

9. Ignore any "Please restart your computer" instructions displayed by the installation programs. Restart the computer after the last installation program in the table above is finished, by clicking **Start**, then **Shut Down**, then **Restart** from the list of options.

Microsoft Windows Vista should now be ready for use.
