

# Microsoft Windows

## 1 Pre Installation

### Thank You

Thank you for selecting a Maxtor Personal Storage product. Please follow these instructions to take full advantage of its features.

### Handling Precautions

If these handling precautions are not followed, damage to the Personal Storage product may result – which may void your product warranty. Please see the Warranty section for additional information.

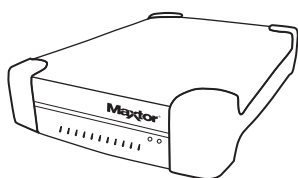
- DO NOT open the product. Opening the product will void the warranty.
- DO NOT bump, jar or drop this device as it may result in loss of data.
- DO NOT stack this product more than three units high.
- DO NOT set or operate the product on its side without an approved cradle from Maxtor. It may fall over and damage the internal hard drive.
- DO NOT disconnect any cables or power while copying files without properly unplugging or unmounting the device via your operating system – as this can result in data loss and possible damage to the internal hard drive.
- DO NOT set any liquids or drinks on the product – as they will damage the internal electronics.

### Hardware and Operating System Requirements for Windows PC

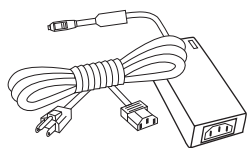
- Pentium II-class or higher
- 32 MB of RAM or more as required by Windows
- Available FireWire/1394/i.LINK (OHCI-compliant) port
- Internet connection (for system updates)
- Windows 98 Second Edition, Windows Millennium Edition, Windows 2000 or Windows XP

### Kit Components

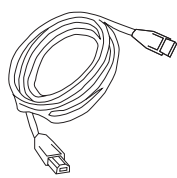
The Maxtor Personal Storage product comes complete with the components shown here. Please familiarize yourself with each of these items prior to installation.



Personal Storage



Power Adapter



1394 Cable

## 2 Hardware Installation

### Personal Storage Installation

To connect your new Maxtor Personal Storage product to your computer, please follow these simple steps. If these steps are not performed in order, your product may not function properly.

### Power Cord Connections

1. Ensure that your computer is on and running one of the required operating systems.
2. Plug the four-pin male connector with the flat side facing up into the back of the product's DC power-in connector (Figure 1).

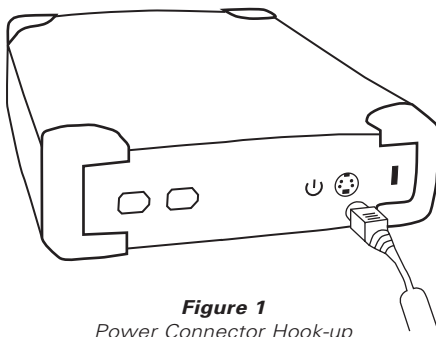


Figure 1  
Power Connector Hook-up

3. Connect the female end of the electric cord into the power adapter (Figure 2).

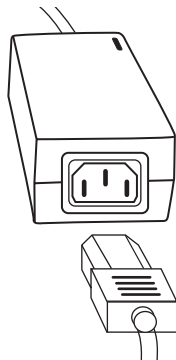


Figure 2  
Power Adapter Hook-up

4. Plug the male connector from the power adapter into power outlet.

### 1394 Data Cable Connections

1. Plug one end of the translucent 1394 cable into any available 1394 port on your computer.
2. Plug the other end of the translucent 1394 cable into either of the 1394 connections on the product (Figure 3).

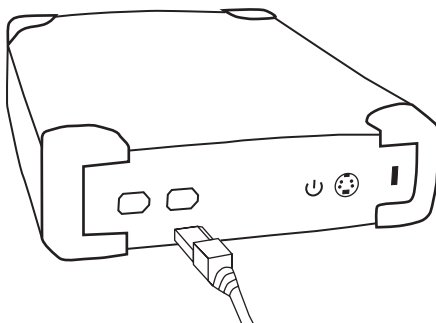


Figure 3  
1394 Interface Cable Hook-up

## 3 Windows Software Setup

### Windows Me, 2000 and XP Only

Once you have connected the drive to your computer as described in section 2, your system will automatically install the proper drivers. Please allow up to two minutes for your system to recognize the drive.

Your new drive appears in the same way as your other drives with the name New Volume and a drive letter assigned by the operating system. The assigned letter will vary depending upon the number of other storage devices connected to your computer.

If you're running Windows 2000 or XP, Maxtor suggests re-formatting your drive for best performance and operation. If you plan to connect this drive to a computer running Windows 98 or ME, you will need to keep the drive in its original format. Further information is provided in the section titled **Formatting Your Drive**.

Your installation is now complete. Further information is provided in section 4 - **Operating Tips**.

### Windows 98SE Only

Once you have connected the drive to your computer as described in section 2, you will be prompted to insert the Windows 98SE CD-ROM when the product starts up. You will see 4 Version Conflict dialog boxes: Click Yes and keep the existing files. Do not cancel, or the drivers will not load properly. The dialog boxes will only display the first time you install the product and may only show up with the Retail version of Windows 98SE.

For proper operation, you must download two updates from Microsoft's website. The updates are titled "Critical Updates Package" and "Storage Supplement Update". Follow the instructions in the section titled "Installing Microsoft updates for Windows 98SE", located on the next page.

### 1394 PCI Adapter Card

If you are using another brand of 1394 card or computer with an integrated 1394 interface and have installed Microsoft's Critical Updates, you will need to obtain the 1394 drivers from the manufacturer of that card or system.

## 4 Operating Tips

### Disconnecting the Product

Right click on the Windows **Unplug** or **Eject Hardware** icon in your system icon tray located at the bottom right corner of your screen.



### Reattaching the Product

To reattach the Personal Storage product, simply re-insert the 1394 cable into the product and your computer. Make sure the product is getting power.

### Spin down Power Management

To minimize the power consumption of your drive while your computer is on, you can take advantage of the power management feature supported on the FireWire interface and Windows 2000 and XP. The following table shows where to find the power management feature in each operating system version.

### and your operating system is: try this first:

Windows XP	Click on <b>Start</b> . Go to <b>Settings</b> . Go to <b>Control Panel</b> . Select <b>Power Options</b> .
Windows 2000	Click on <b>Start</b> . Go to <b>Settings</b> . Go to <b>Control Panel</b> . Select <b>Power Options</b> .
Windows Millennium Edition	Spinning down external hard drives not supported by operating system.
Windows 98 Second Edition	Spinning down external hard drives not supported by operating system.

Continued →

### Microsoft Windows

#### 4 Operating Tips cont.

##### Spin down Power Management cont.

The power management feature sets the drive to automatically use less power after a predetermined period of time of inactivity. This is sometimes referred to as spin down since the drive's internal mechanical disks stop spinning. When the drive is in the spin down mode, the green power light will remain on and the amber activity light will be off.

When your computer is powered off, you can choose to do one of the following:

- Leave the drive plugged in all the time. The device is designed to run with the power on at all times.
- Plug the drive's power supply into a power strip with an on/off switch so you can turn your drive's power off to further conserve power.

Make sure you remove the drive from your computer through the operating system before you disconnect it or turn off the drive's power. Shutting off the drive's power while your computer is running can cause the loss or corruption of data.

##### Installing Microsoft updates for Windows 98SE

(Windows 98SE only)

Your system must be connected to the internet and have a 1394 interface installed (built-in or plug-in interface card) to install these two updates.

- Click on the **Start** button located on your Windows toolbar.
- Select the **Windows Update** option from this menu. (This will launch your Internet browser to the appropriate Microsoft web site for your Operating System in the language that you are using).
- Click on the **Product Updates** link from this Microsoft web site. This option will examine your system and prompt you to download the necessary updates.

A new web page will appear titled **Select Software**. There should be a checkmark next to the option titled **Critical Updates Package**.



Click on the **Download** button near the top of this web page. On the next web page, click **Start Download**. Accept the license agreement that appears next. Your system will download the update and install it. Restart (reboot) your system when prompted to do so. A window will display **Windows 98 Setup – Updating System Settings**.

To install Microsoft's Storage Supplement, go to the web site: [www.microsoft.com/windows98](http://www.microsoft.com/windows98) and search for "1394." You should see an article titled "Windows 98 Second Edition 1394 Storage Supplement : [Windows 98, 1394, storage]."

Click on the link and follow the instructions to download and install the file. Restart (reboot) your system when prompted to do so.

Your system is now updated for proper operation with your 1394 external disk drive.

##### Formatting Your Drive

###### Optional for Windows 98/2000/Me/XP

Your Maxtor Personal Storage 3000 drive was formatted at the factory with the Windows FAT32 file system. This file system is compatible with Mac OS 9 and recent versions of the Windows operating system.

The FAT32 file system limits any file to a maximum size of 4 GB. If you are running Windows 98 or Me, consider upgrading to Windows 2000 or XP to take advantage of the NTFS file system.

If you are running either the Windows 2000 or XP operating system, consider reformatting your drive to the NTFS file system. The NTFS file system provides several advantages, including support for very large files. See the following section titled: **Formatting Your Drive with NTFS**.

Your new drive will display a drive capacity that is slightly less than the capacity stated on the box. This is normal. For a complete explanation, see the section titled: **My computer shows less drive capacity than on the drive box label**.

##### Formatting Your Drive with NTFS

This section describes how to format your drive with the NTFS file system for Windows 2000 or XP. Formatting the drive destroys all data contained on that drive. Make a backup copy of all your data before formatting your drive.

###### To format the drive for NTFS

1. Select **Start → Settings → Control Panel**.
2. Double-click **Administrative Tools**.
3. Double-click **Computer Management**.
4. Double-click **Disk Management** (located under the Storage icon).
5. Right-click on the icon for your new drive in the window that appears.

FAT32 should be listed in the column labeled **File System**.

6. Select **Format** from the menu.
7. Select **NTFS** in the **File System** field.
8. Click **OK** when you are ready to format your drive.

Formatting time varies based on your system speed, and the drive's capacity.

##### My computer shows less drive capacity than on the box label

###### Hard Drive Manufacturer Capacity Definitions

The listed capacity is an unformatted (raw) capacity. After partitioning and formatting, actual storage capacities may vary depending on the operating system and configuration. Maxtor adheres to the National Institute of Standards and Technology (NIST: [www.nist.gov](http://www.nist.gov)) definition of Megabyte and Gigabyte.

Examples:

- 1 MB = One Million Bytes
- 1 GB = One Billion Bytes

###### Operating System and BIOS Capacity Definitions

Storage devices are marketed and sold in terms of decimal (base 10) capacity. In decimal terms, one Gigabyte (GB) is equal to one billion bytes. Most BIOS's follow this definition as well. However, many operating systems use the binary (base 2) numbering system. That would be two to the thirtieth power, or 1,073,741,824 bytes equals one-Gigabyte.

According to the NIST standard, an 80 GB hard drive would contain eighty billion bytes. 80,000,000,000 bytes divided by 1,000,000,000 bytes equals eighty decimal Gigabytes. In binary terms, 80,000,000,000 bytes would be divided by 1,073,741,824 for a total of 74.5 binary GB. However, there are still 80 billion bytes on the drive in either case.

To display the correct capacity of your drive:

- Right-click the **My Computer** icon and select **Explore**. This opens a new window listing all the disk drives on your system.
- Right-click on the **external hard drive** and select **Properties**. An information dialog box appears displaying the drive's capacity in total bytes.

### Product Warranty

Maxtor's warranty obligations are limited to the terms set forth: Maxtor warrants only to the original consumer purchaser that new Maxtor Personal Storage products will be free from defects in material and workmanship for 1 year from the date of original purchase.

For a replacement Personal Storage product, the warranty on the replacement device is the remainder of the warranty on the original device or 90 days, whichever is longer. If you discover a defect, Maxtor will, at its option, repair or replace the product at no charge to you, provided you return it during the warranty period, with transportation charges prepaid, to Maxtor in Ireland, Singapore or the USA.

Personal Storage products must be properly packaged in Maxtor packaging or Maxtor approved packaging to obtain warranty service. Before returning a Maxtor product, please contact Maxtor at: +353 1 204 1111 (in Europe) or 1-800-2MAXTOR (in U.S.) to obtain a Return Material Authorization (RMA) number. A copy of the receipt or a bill of sale bearing the appropriate Maxtor serial number and model number may be required for warranty service. The warranty applies only to the Maxtor products that can be identified by the Maxtor trademark, trade name, serial number or logo affixed to them. Maxtor does not warrant any product that is not manufactured by, for or with permission from Maxtor.

This warranty is not applicable to: Abuse, unreasonable use, mistreatment, or neglect; Damage caused during installation of the Product; Damage caused by the equipment or system with which the product is used; Damage caused by modification or repair not made or authorized by Maxtor; Product whose Maxtor Serial Number has been removed or defaced; Damage caused by liquids in the product case; Damage to the products' interface or power connectors; Damage caused by use of non-Maxtor packaging; Damage caused by improper or improperly used packaging; Products that are determined to be stolen.

THIS WARRANTY AND REMEDIES SET FORTH ABOVE ARE EXCLUSIVE AND IN LIEU OF ALL OTHERS, WHETHER ORAL OR WRITTEN, EXPRESSED OR IMPLIED. MAXTOR SPECIFICALLY DISCLAIMS ANY AND ALL IMPLIED WARRANTIES, INCLUDING, WITHOUT LIMITATION, WARRANTIES OF MER-

##### Notes on using your drive with the Windows operating system

	Windows 98SE	Windows ME	Windows 2000, XP
<b>File System: FAT32, NTFS</b>	FAT32 Operates properly with partition up to 160GB	FAT32 operates properly with partition up to 160GB	FAT32 and NTFS operate properly with partition up to 160GB
<b>FDISK, FORMAT</b>	FDISK and FORMAT – two known bugs, see Notes 1 and 2	FDISK and FORMAT – one known bug, see Note 1	NTFS operates properly with partition up to 160GB Cannot format partition >32GB in FAT32
<b>Defrag and ScanDisk</b>	Defrag and ScanDisk limited to partition <127GB, see Note 3	Operates properly with partition up to 160GB	Operates properly with partition up to 160GB

**Note 1:** On disks larger than 64GB (Windows 98SE), both the FDISK and FORMAT utilities perform their functions properly, but they display an incorrect disk size on the screen. A similar problem has been observed with Windows ME at larger disk sizes (starting above 99GB). Further information is available on Microsoft's support web site at:

<http://support.microsoft.com/support/kb/articles/Q263/0/44.ASP>

<http://support.microsoft.com/support/kb/articles/Q263/0/45.ASP>

**Note 2:** The FDISK utility may not run properly after an external disk drive has been disconnected and reconnected. It is recommended the user reboot the computer before running FDISK.

**Note 3:** Neither the ScanDisk nor Defrag utilities will operate on drive partitions larger than 127GB. Further information is available on Microsoft's support web site at:

<http://support.microsoft.com/support/kb/articles/Q184/0/06.ASP>

Third party utilities, including Norton System Works 2000 and 2002, can be used to replace the functionality of the ScanDisk and Defrag utilities.

### 5 Product Registration

#### Take Advantage of the Benefits!

By registering your new Personal Storage product, you'll have the option to receive product updates, special offers, and important information about other data storage solutions from Maxtor.

Simply point your web browser to: [www.maxtor.com](http://www.maxtor.com) – go to the product registration page, and complete the short questionnaire.

CHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE AND AGAINST INFRINGEMENT. ADDITIONALLY, MAXTOR DOES NOT WARRANT THAT THE PERSONAL STORAGE INSTALLATION SOFTWARE DISTRIBUTED IN THE PERSONAL STORAGE KIT WILL MEET YOUR REQUIREMENTS NOR THE PERFORMANCE OR RESULTS THAT THE OPERATION OF THE PROGRAM WILL BE UNINTERRUPTED OR ERROR FREE. No Maxtor dealer, agent or employee is authorized to make any modification, extension or addition to this warranty.

MAXTOR IS NOT RESPONSIBLE FOR SPECIAL, INCIDENTAL, INDIRECT OR CONSEQUENTIAL DAMAGES RESULTING FROM ANY BREACH OF WARRANTY, OR UNDER ANY OTHER LEGAL THEORY, INCLUDING BUT NOT LIMITED TO LOSS OF DATA, LOSS OF PROFITS, DOWNTIME, GOODWILL, DAMAGE OR REPLACEMENT OF EQUIPMENT AND PROPERTY, AND ANY COSTS OF RECOVERING, PROGRAMMING OR REPRODUCING ANY PROGRAM OR DATA STORED IN OR USED WITH MAXTOR DISK DRIVES OR MAXTOR PERSONAL STORAGE PRODUCTS CONTAINING MAXTOR DISK DRIVES or any software product distributed therewith.

Some states/jurisdictions do not allow the exclusion or limitation of incidental or consequential damages or exclusions of implied warranties, so the above limitations or exclusions may not apply to you. This warranty gives you specific legal rights, and you may also have other rights that vary from jurisdiction to jurisdiction.

Maxtor may make changes or improvements in the product(s) described in this publication at any time and without notice. This product tested to comply with FCC standards for home or office use.

Copyright © 2002 Maxtor Corporation. All rights reserved. Printed in the U.S.A. 9/02. Maxtor® is a registered trademark of Maxtor Corporation. Other brands or products are trademarks or registered trademarks of their respective holders.

**Maxtor p/n: 20201100/A**