

IBM[®] Netfinity[®]



ServeRAID[™] -4L Ultra 160 SCSI Controller Device Driver Installation Instructions

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Installing device drivers

This booklet contains information about the device drivers available for the IBM® Netfinity® ServeRAID™ -4L controllers. These device drivers are provided with the IBM ServeRAID controllers on the following:

- *IBM ServeRAID Support CD*
- *IBM ServeRAID Device Drivers* diskette

Note: If you use a diskette, you must create the diskette using the instructions and diskette images on the *IBM ServeRAID Support CD*. These files are available in the following directory:

`d:/IMAGES`

where *d* is the CD-ROM drive.

If you are installing files for an IBM ServeRAID controller that comes as a standard feature on your IBM Netfinity or PC Server system board, use the installation instructions and CDs provided with your server to install these files.

This section provides instructions for installing the device drivers for Microsoft® Windows® 2000 and Windows NT® 4.0.

When using:	Go to:
Windows 2000	"Installing device drivers for Windows 2000".
Windows NT	"Installing device drivers for Windows NT 4.0" on page 2.

Installing device drivers for Windows 2000

Use the following instructions when you do one the following:

- Install device drivers while installing Windows 2000
- Update device drivers after installing Windows 2000

Installing device drivers while installing Windows 2000

1. Insert the startable *Windows 2000* CD into the CD-ROM drive then, restart the server.
2. A few seconds after restarting the server, the message
Press F6 if you need to install a third party SCSI or RAID driver ...

is displayed, press F6.

Note: This message is displayed immediately after the screen changes from black to blue. You have only a few seconds to press F6.

3. After loading some files, Windows 2000 will display a screen where you can manually specify a controller. When this screen displays, press the S key to specify additional devices.
4. When prompted to insert the Manufacturer-supplied hardware support disk, insert the *IBM ServeRAID Device Drivers* diskette into the diskette drive; then, press Enter.
5. Select **IBM Netfinity ServeRAID 4M/4L Controller (Windows 2000)**; then, press Enter. A message similar to the following will be displayed: Setup is loading files (IBM Netfinity ServeRAID 4M/4L Controller (Windows 2000))...

6. When prompted, press Enter to continue.
7. Use the instructions provided in the Windows 2000 manual to complete the normal installation process.
8. After you complete the installation, be sure to install the latest operating system service pack.

Updating device drivers after installing Windows 2000

To update the ServeRAID device driver after installing Windows 2000:

1. Insert the *IBM ServeRAID Support* CD into the CD-ROM drive or insert the *IBM ServeRAID Device Drivers* diskette into the diskette drive.
2. From the Start Menu, click **Programs** → **Administrative Tools** → **Computer Management**. The Computer Management windows opens.
3. In the left tree, click **System Tools**; then, click **Device Manager**.
4. In the right tree, click the SCSI adapters and RAID controllers to display all the controllers in the server.
5. Using the right mouse button, click the first ServeRAID controller in the tree; then, click **Properties**. The Properties windows opens.
6. Click the **Driver** tab; then, click **Update Driver**. The Update Device Driver Wizard opens.
7. Click **Next**.
8. Verify that **Display a list of the known drivers...** is checked; then, click **Next**.
9. Click **Have Disk**.
10. In the **Copy manufacturer's files from** field, type:
 - If you are installing from diskette, type:
`a:\win2k\4M_4L`

where *a* is the diskette drive letter.
 - If you are installing from CD, type:
`z:\win2k\4M_4L`

where *z* is the CD-ROM drive letter.
11. Click **OK**; then, in the next window, click **OK**.
12. After the device driver installs, remove the diskette or the CD from the drive and restart the server.

Installing device drivers for Windows NT 4.0

Use the following instructions when you do one the following:

- Install device drivers while installing Windows NT 4.0
- Install *or* update device drivers after installing Windows NT 4.0

Installing device drivers while installing Windows NT 4.0

To install the ServeRAID device driver while installing Windows NT 4.0:

1. Insert either of the following:
 - The Windows NT startup (boot) diskette into the diskette drive
 - The startable Windows NT CD into the CD-ROM drive;then, restart the server.
2. When the message

Setup is inspecting your computer's hardware configuration...

is displayed, press the F6 key.

3. After loading some files, Windows displays a screen where you can manually specify a controller. When this screen appears, press the S key to specify additional devices.
4. When prompted in the next window, select **Other** from the list.
5. When prompted to insert the Manufacturer-supplied hardware support disk, insert the *IBM ServeRAID Device Drivers* diskette into the diskette drive; then, press Enter.
6. Select **IBM Netfinity ServeRAID 4M/4L Controller (NT 4.0)**; then, press Enter. A message similar to the following will appear: Setup is loading files (IBM ServeRAID 4M/4L Controller (NT 4.0))...
7. When prompted, press Enter to continue.
8. Use the instructions provided in the Windows NT manual to complete the normal installation process.
9. After you complete the installation, be sure to install the latest operating system service pack.

Installing or updating device drivers after installing Windows NT 4.0

To install the ServeRAID device driver after installing Windows NT 4.0:

1. Insert the *IBM ServeRAID Device Drivers* diskette into the diskette drive or insert the *IBM ServeRAID Support* CD into the CD-ROM drive.
2. From the Start Menu, click **Settings**; then, click **Control Panel**.
3. Select SCSI Adapter; then, click the **Drivers** tab.
4. Click **Add**; then, click **Have Disk**.
5. In the **Copy manufacturer's files from** field:
 - If you are installing from diskette, type:
`a:\nt4_0`

where *a* is the diskette drive letter.
 - If you are installing from CD, type:
`z:\nt4_0`

where *z* is the CD-ROM drive letter.
6. Click **OK**; then in the next dialog box, click **OK** again.
7. After the device driver installs, remove the diskette or the CD from the drive and restart the server.