

Appendix B

Device Driver Installation

*This Appendix covers
the installation of
device drivers.*

Introduction

Device drivers are software files that allow pieces of hardware to communicate effectively with the notebook and the operating system. All such specific drivers necessary have been preloaded for the various hardware units that have been packaged with your system.

All the device drivers needed for your system are also available on the support CD that shipped with your notebook.

The support CD contains drivers for:

- 3Mode – Japanese floppy disk drivers and utilities (In order to support 1.2 MB format floppy disks, a format popular in Japan, you need to install this mode 3 floppy disk driver software.)
- Audio – software support for audio
- CD-ROM – software support for CD-ROM drive (also available from the support floppy disk)
- PCMCIA – software support for PC-card drive
- Modem – software support for internal modem device
- VGA – software support for display

The support CD also holds a copy of the online manual for your notebook. This is an online version of this user's manual.

***NOTE:** If you encounter any problems using the online user's manual you can install the HTML Help Update program (update.exe), also available on the support CD. This will update your computer for optimal use of the user's manual.*

Support Floppy Disk

The support floppy disk included with your notebook holds some useful software tools to reorganize your computer's hard disk drive after you have lost all data. In order to rebuild your notebook's hard disk drive, you'll need this support floppy disk, as well as a set of DOS disks or a Windows startup disk.

Suspend-to-Disk Partition Program

Your notebook has a preinstalled suspend-to-disk partition to support the amount of memory that was factory installed in your notebook. If you expand the memory beyond the capacity of the original suspend-to-disk partition, you will need to create a larger partition on your hard disk drive.

NOTE: Changing the suspend-to-disk partition involves reorganizing your complete hard disk drive. This causes all data on the disk to be deleted. Make sure to have a full backup of all data on the disk. Also verify to have an original copy of all the software installed on your computer. We recommend that you refer to a certified technician familiar with this notebook if you are not familiar with this procedure.

To create a Suspend-to-Disk partition:

1. Turn on your system and wait for the prompt to appear.
2. Insert the support floppy disk in the floppy disk drive.
3. At the prompt, type the following command:

A:\Ovmakfil -p [Partition size in MB]

(Where A represents the floppy disk drive; and the partition size is at least the amount of memory installed in the notebook, plus 5 MB for overhead memory. E.g. 'A:\Ovmakfil -p133' will create a suspend-to-disk partition able to support a maximum of 128 MB of memory.)

NOTE: If you decide to change the size of the existing suspend-to-disk partition, we recommend you change it to a size that is able to support the maximum amount of memory in the notebook. If the size of the suspend-to-disk partition is smaller than the amount of memory installed in the notebook, the system might become unstable and/or you might loose unsaved data whenever the notebook suspends to disk.

Press the Enter key.

4. The program will then create the suspend-to-disk partition. Next you need to partition the rest of the notebook's hard disk drive, and format the active partition.

CD-ROM Drivers

In order to access the CD-ROM drive after your hard disk has been reformatted, and to install the operating system again from the Windows CD, you need to first install the proper CD-ROM drivers.

1. Turn on your system and go to DOS mode, i.e. your hard disk must at least have been formatted before you can install any drivers.
2. Insert the support floppy disk in the floppy disk drive.
3. At the DOS prompt, type the following command:
`A:\CD-ROM\install`
(Where A represents the floppy disk drive)
Then press the Enter key.
4. The proper drivers will be installed on your notebook's hard disk. When the installation is finished, remove the floppy disk, and then reboot the system. Next time you start the notebook, you should be able to read from the CD-ROM drive.

Driver Installation Program

If you ever need to reinstall the device drivers (e.g. after hard disk failure...), you can use the driver installation program on the support CD that will automatically install all the necessary drivers for you.

To access the device driver installation program:

1. Place the support CD in the CD-ROM drive.
2. If the installation program fails to start after 20 seconds, click on the Start menu, select RUN, and type:
`D:\Setup.exe`
(Where D represents the CD-ROM drive)
Then press the Enter key.
3. A window screen will pop up, with a menu bar on the left.
4. Click the check boxes of the drivers you want to install, then click [Select Install]. This will install all the drivers you previously marked. You can also install individual drivers by clicking the button area of a menu item. This will only install that particular driver.
5. After you click the button, the installation program for that particular driver will start and might prompt you for some input. Follow the screen instructions to finish the installation.

6. If you need to restart the system, return afterwards back to the installation program to finish all the other installations you need to make.

For more help on the installation program, review the manual file linked to the [Manual] button.