

Chapter 4


Options

This notebook offers excellent connectivity and expansion capabilities with its built-in ports and connectors. This chapter describes how to connect peripherals and hardware options¹ to the notebook. When connecting peripherals, read the manual included with the peripheral for operating instructions.

This chapter also includes information on the key components that you can upgrade. Key component upgradeability gives you the room to enhance the notebook to meet your future needs.

¹ For complete options available, consult your dealer.

4.1 External Monitor

To show graphical effects on a larger display, you can connect an external monitor to the CRT port () on the rear panel. Read the monitor manual for additional instructions.

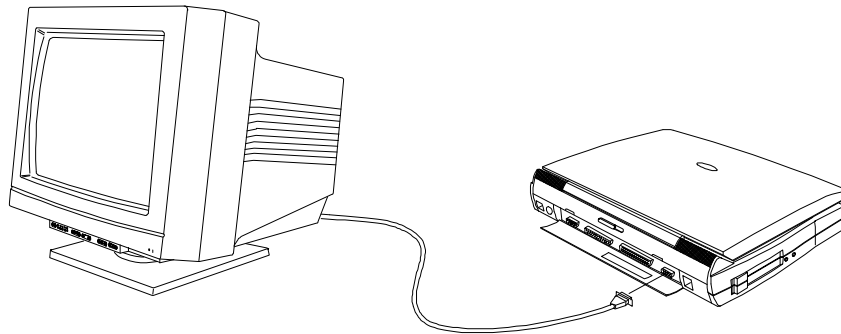


Figure 4-1 Connecting an External Monitor




You can press **Fn-p** to toggle the display output to the external CRT and back to the notebook display or simultaneously on both displays.



If an external monitor is connected to the notebook, the notebook will not enter the desired suspend mode if you close the display. To enter suspend mode, disconnect the monitor plug, open the display and close the display again.

4.2 External Keyboard

This notebook has a keyboard with full-sized keys and an embedded keypad. If you feel more comfortable using a desktop keyboard, you can install a PS/2-compatible external keyboard.

To connect an external keyboard, plug the external keyboard into the PS/2 connector ().

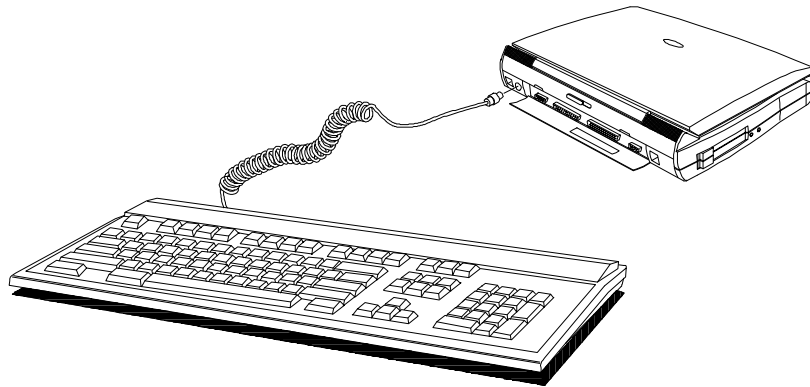



Figure 4-2 Connecting an External Keyboard



If you need to connect both external keyboard and PS/2 mouse simultaneously, you can purchase a PS/2 Y-cable from your dealer. See section 4.9.2.

4.3 External Keypad

You can also use a 17-key numeric keypad for number-intensive data entry applications. To connect the keypad, plug in the keypad connector to the PS/2 port () at the rear of the notebook.

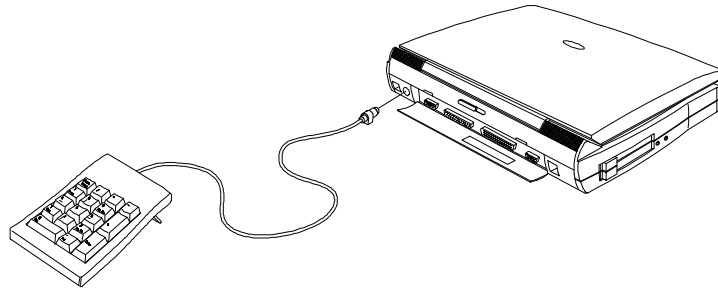




Figure 4-3 Connecting an External Keypad

4.4 External Pointing Device


This notebook accepts either a serial mouse or PS/2-compatible mouse or similar pointing device.

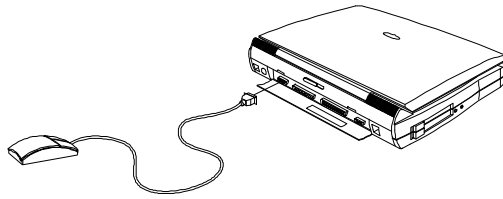
Connecting an External Pointing Device

Plug a serial mouse into the serial port () on the rear panel; plug a PS/2-compatible mouse into the PS/2 port () on the rear panel.

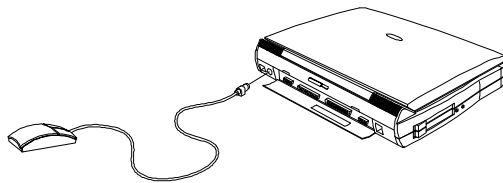


To enable a serial mouse, you need to use the Add New Hardware tool in the Windows 95 Control Panel to detect and install the necessary drivers.

If you connect an external PS/2 mouse to the notebook, press  -| to enter suspend-to-memory mode. Then press any key to return to enable the external mouse. Installing an external PS/2 mouse disables the built-in touchpad.



(a) Serial Mouse



(b) PS/2 Mouse

Figure 4-4 Connecting an External Pointing Device

Setting the External Mouse Location Parameter

After connecting the external mouse or similar pointing device, press **Fn-m** to enter Setup and verify the location of the external pointing device. Select Power Saving Options to display the following screen:

Power Saving Options		Page 1/1
When Lid is Closed -----	[Suspend to Disk]	
Suspend to Disk on Critical Battery -	[Enabled]	
Display Always On -----	[Disabled]	
Internal Speaker -----	[Enabled]	
External Mouse Location -----	[PS/2]	
Internal Modem -----	[Power-Off]	
Resume On Modem Ring -----	[OFF]	
Resume On Schedule -----	[OFF]	
Resume Date -----	[12/31/99]	
Resume Time -----	[23:59:00]	

↑ ↓ = Move Highlight Bar, → ← = Change Setting PgDn/PgUp = Move Screen, F1 = Help, Esc = Exit
--

Go to the External Mouse Location parameter and select COM1 if you connected your mouse to the serial port, and PS/2 if you connected your mouse to the PS/2 port.



The External Mouse Location parameter setting allows the notebook's power management system to detect activity from the external pointing device. If you are using an external pointing device, make sure this parameter is set correctly.

4.5 Printer

This notebook supports both serial and parallel printers. For a serial printer, plug the printer cable into a serial port (⏏). For a parallel printer, plug the printer cable into the parallel port (⏏). See your printer manual for operating instructions.

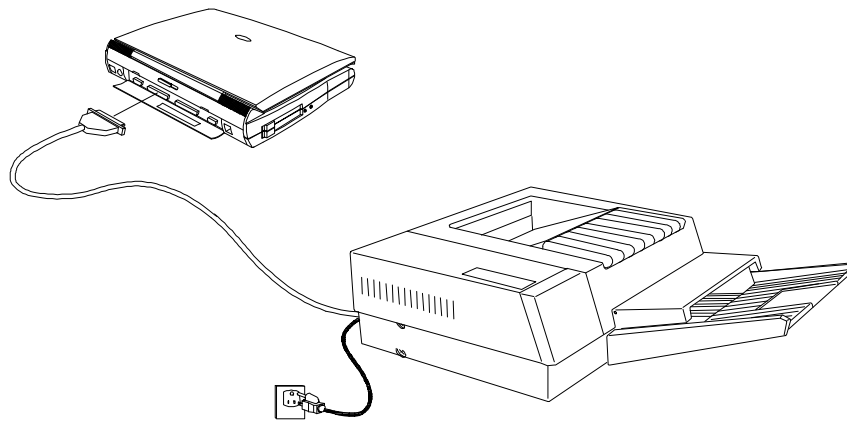


Figure 4-5 Connecting a Parallel Printer

4.6 Audio Devices

You can connect audio devices to the line-in and line-out ports on the notebook. The line-in audio port doubles as a microphone-in port as well.

The line-in port accepts an external 3.5mm mini-jack microphone or other line-in devices. The line-out port accommodates external amplified speakers or headphones.

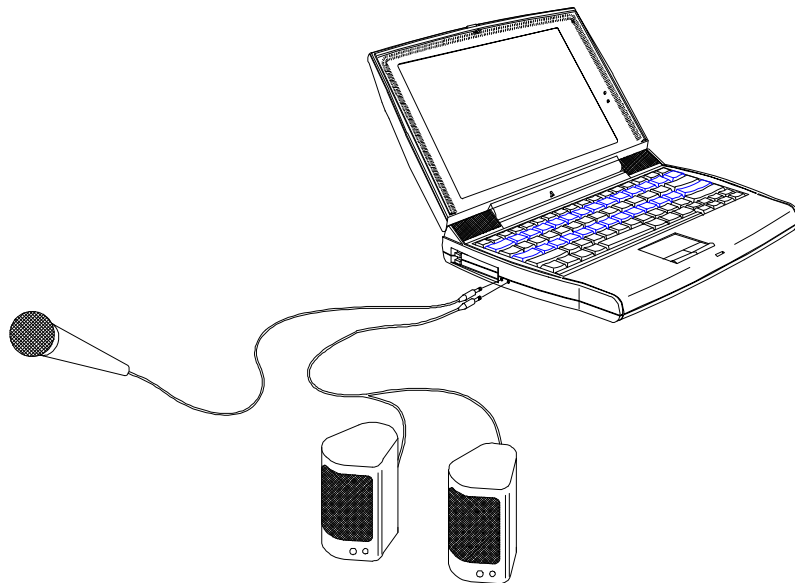


Figure 4-6 Connecting Audio Devices



To use Mic-in or Line in, insert the plug of the desired device and make sure to turn off the appropriate input from the mixer. See the multimedia section of your Windows 95 manual.

4.7 Mini Dock

The mini dock serves as a docking base that allows you to connect your notebook to all the peripherals you need, even network connections with its built-in Ethernet support. Consult your dealer for details. A quick guide is included with the mini dock for easy and quick connection instructions.

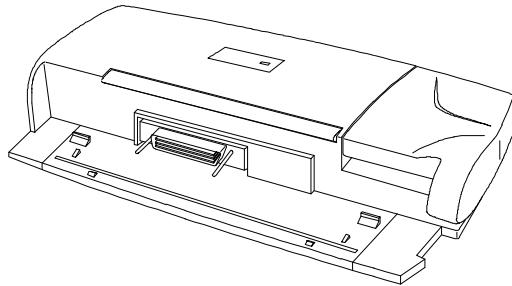


Figure 4-7 Mini Dock

4.8 PC Cards

The notebook has two PC card slots that accommodate two type I/II or one type III PC card(s). Please consult your dealer for PC card options available that you can purchase for your notebook.

4.9 Miscellaneous Options

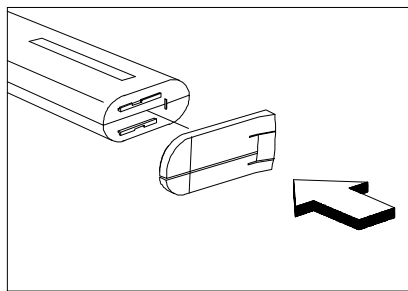
4.9.1 Additional Power Packs

Lithium-Ion Battery Pack

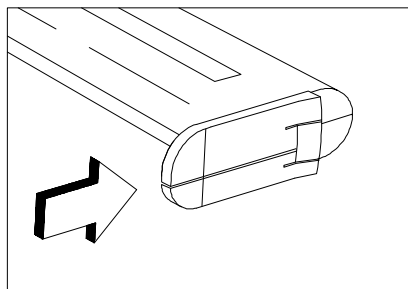
It is good practice to have a spare battery pack around, especially when you travel. The Li-Ion (lithium-ion) smart battery supplies more power than a conventional NiMH (nickel metal-hydride) battery. With power management, you get even more power on-the-go.

Attaching the Battery Compartment Cover

Each battery pack comes attached with a battery compartment cover. In case the cover gets detached, follow these steps to re-attach the cover to the battery.

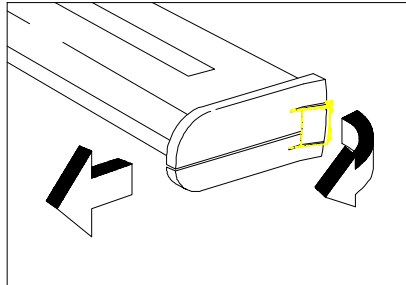


1. Position the battery compartment cover over the battery pack.



2. Using a little force, slide the battery compartment cover over the battery until both the cover and the battery are firmly attached.

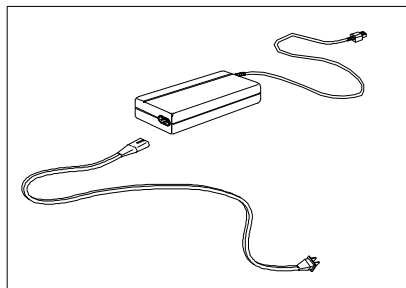
Detaching the Battery Compartment Cover



Gently pull up the battery compartment cover release latch and slide out the cover.

AC Adapter

You can purchase an additional AC adapter for your notebook or mini docking station.

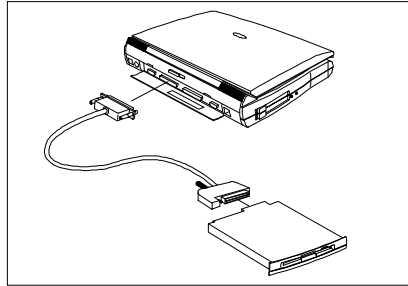


The compact AC adapter charges your battery pack and supplies power to your notebook.

4.9.2 Cables

Floppy Drive Cable

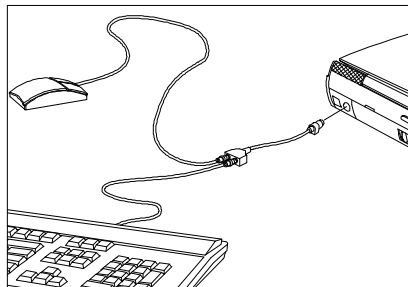
The floppy drive cable allows you to use your floppy drive module externally.



Open the port cover of the notebook and connect the 25-pin connector end of the floppy drive cable to the parallel port. Then connect the other end to the floppy drive module.

PS/2 Y-Bridge Cable

The PS/2 Y-bridge cable allows you to connect two PS/2 devices, mouse and keyboard, to your notebook simultaneously.



Connect the single connector end of the Y-bridge cable to the notebook's PS/2 port and the double connector ends to the two PS/2 devices.

Take note of the icons on the double connector before connecting the devices.

File Transfer Cable

For non SIR- (serial infrared) capable connections, you can use the file transfer cable to transfer data between the notebook and other computers. Connect the file transfer cable between the two computers and use your file transfer utility to perform the transfer.

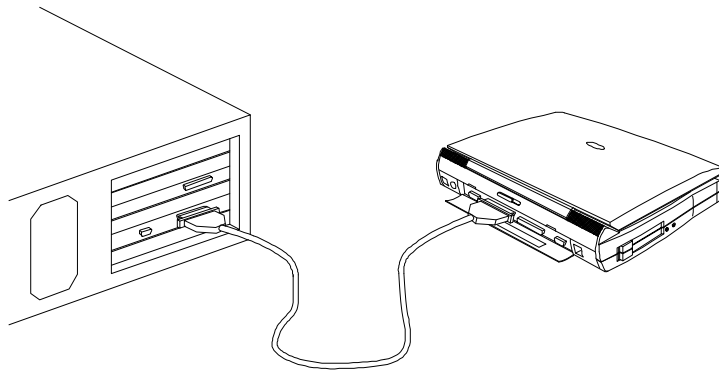


Figure 4-8 Using the File Transfer Cable

4.10 Key Component Upgrades

This notebook delivers the power and performance you need. However, some users and the applications they use may demand more. This notebook allows you to upgrade key components when you need increased performance.



Contact your authorized dealer if you decide to perform an upgrade.

4.10.1 Additional Memory

Memory is upgradeable from 8 to 64 MB, employing 64-bit soDIMMs (small outline Dual Inline Memory Modules) in 8, 16 and 32 MB configurations. The following table lists all possible memory configurations.

Table 4-1 Memory Configurations

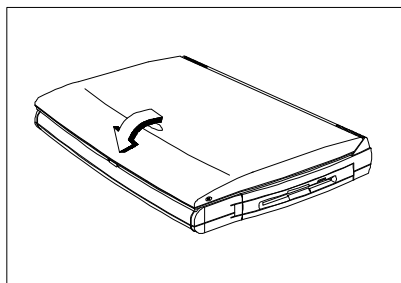
Slot 1	Slot 2	Total Memory
0 MB	8 MB	8 MB
8 MB	0 MB	8 MB
8 MB	8 MB	16 MB
0 MB	16 MB	16 MB
16 MB	0 MB	16 MB
8 MB	16 MB	24 MB
16 MB	8 MB	24 MB
16 MB	16 MB	32 MB
0 MB	32 MB	32 MB
32 MB	0 MB	32 MB
8 MB	32 MB	40 MB
32 MB	8 MB	40 MB
16 MB	32 MB	48 MB
32 MB	16 MB	48 MB
32 MB	32 MB	64 MB

Installing Memory



When installing memory, we recommend you seek the help of a qualified service technician. Improper installation may damage the memory module or the notebook, or cause a malfunction.

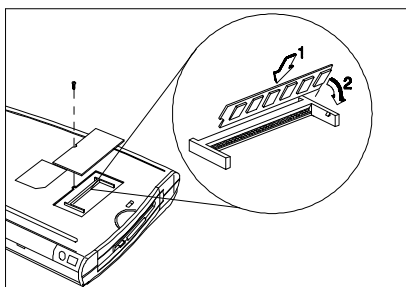
One of the two memory slots (Slot 2) is accessible via a memory expansion door on the base of the notebook. Follow these steps to install an additional memory module.



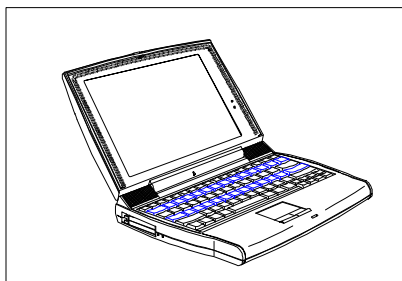
1. Do a Windows 95 shutdown.

If you are not using the notebook under Windows 95, you can use the Power-Off option by accessing the Eject Menu (Fn + t).

2. Close the display lid.



3. Turn the notebook over to access the base.
4. Remove the screw that secure the memory door and lift it up.
5. (1) Insert the memory module diagonally into the slot, then (2) gently press down the module until it clicks into place.



6. Replace the memory door and secure it with the screw.
7. Open the display to turn on the notebook.

After new memory modules have been installed, the system automatically detects and reconfigures the total memory size.

To upgrade memory installed in the other slot (Slot 1), contact your dealer.

4.10.2 Hard Disk

You can have your hard disk upgraded to one with a higher capacity. The notebook uses a 2.5-inch Enhanced-IDE hard disk that is auto-detected by the system. The following table shows the currently supported hard disks.

Table 4-2 Hard Disk List

Vendor	Model	Capacity	Cylinders	Heads	Sectors
IBM	DPRA-21215	1.2 GB	2358	16	63
IBM	DMCA-21440	1.44 GB	2800	16	63
IBM	DCRA-22160	2.0 GB	4200	16	63

Consult your dealer for additional hard disks that will be available in the future. You may use the empty spaces in the table to record these additional drives and their information.