User’s Guide

TravelMate® 6000 Series Notebook Computers

Notice

This device has been tested and found to comply with the limits for a Class B digital device pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This device generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation. If this device does cause harmful interference to radio or television reception, which can be determined by turning the device off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna
- Increase the separation between the device and receiver
- Connect the device into an outlet on a circuit different from that to which the receiver is connected
- Consult the dealer or an experienced radio/television technician for help

Notice: Shielded Cables

All connections to other computing devices must be made using shielded cables to maintain compliance with FCC regulations.

Notice: Peripheral Devices

Only peripherals (input/output devices, terminals, printers, etc.) certified to comply with the Class B limits may be attached to this equipment. Operation with non-certified peripherals is likely to result in interference to radio and TV reception.

Caution

Changes or modifications not expressly approved by the manufacturer could void the user's authority, which is granted by the Federal Communications Commission, to operate this computer.

Notice

Use Conditions

This part complies with Part 15 of the FCC Rules.Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Notice: Canadian Users

This Class B digital apparatus meets all requirements of the Canadian Interference-Causing Equipment Regulations.

Remarque à l'intention des utilisateurs canadiens

Cet appareil numérique de la classe B respecte toutes les exigences du Règlement sur le matériel brouilleur du Canada.

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TravelMate 6000 Series Notebook Computers
User's Guide
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Model Number

Serial Number

Purchase Date

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Contents

Notice

Contents

Chapter 1: Using Documentation

Printed Manuals. 1-2
Online Manuals 1-3
Using the TravelMate Online Manual 1-5
Deleting the TravelMate Online Manual . . . 1-6

Chapter 2: Getting Started

General Cautions 2-2
What You Need before Starting. 2-3
Running the Setup Program 2-5
Running the Demo Program 2-8

Chapter 3: Installing Internal Accessories

Preventing Damage from Static Electricity . 3-2
Installing Memory Modules 3-3
Installing Modular Bay Accessories 3-7
Installing PC Cards 3-9

Chapter 4: Setting Up Your Desktop

Preparing To Install External Accessories . . 4-3
Installing a DockMate Docking Solution . . . 4-5
Connecting a Keyboard 4-7
Connecting a Pointing Device 4-8
Connecting a Monitor. 4-9
Connecting a Numeric Keypad Accessory . 4-11
Connecting an External Floppy Disk Drive 4-12
Connecting a Printer 4-13
Connecting Sound Equipment 4-14
Securing the Computer 4-15

Chapter 5: Installing Software

Selecting Software for the Computer. 5-2
Loading Software 5-3
Special Considerations. 5-4

Chapter 6: Battery Operation

General Information about Batteries 6-2
Charging Batteries 6-4
Prolonging Battery Life 6-5
Responding to a Low Battery Condition . . . 6-7

Contents

Chapter 7: Mobility

Overview of Mobility 7-2
Disconnecting from the Desktop 7-3
Moving Around 7-4
Taking the Computer Home 7-5
Traveling with the Computer 7-7
Traveling Internationally with the Computer 7-8

Chapter 8: Care and Troubleshooting

Cleaning the Computer 8-2
Troubleshooting Tips 8-3

Appendix A: Where To Get Help

Customer Support Numbers A-1
Texas Instruments Worldwide Sales Offices A-2

Index

1
Using Documentation

This chapter describes this manual and the other documentation that ships with your computer. It tells you how to use the TravelMate® Online Manual and how to delete those files from your hard disk drive if you are running short of space.

Printed Manuals
- Contents of the User's Guide 1-2
- Other printed documents 1-2

Online Manuals
- Advantages of online documentation 1-3
- TravelMate Online Manual 1-3
- Other online manuals 1-4

Using the TravelMate Online Manual
- Starting from Windows 95 1-5
- Starting from Windows for Workgroups . . . 1-5
- Viewing a topic 1-5
- Printing current page or range of pages . . . 1-5

Deleting the TravelMate Online Manual
- Why not to delete 1-6
- How to delete in Windows 95 1-6
- How to delete in Windows for Workgroups . 1-7

Printed Manuals

Contents of the User's Guide

This manual provides the information you need while the computer is turned off. The computer could be turned off for a variety of reasons.

- Setting up
- Installing accessories
- Traveling
- Solving problems

With the computer turned on, you have access to this and much more information in the *TravelMate Online Manual* and other online documents.

Other printed documents

Your computer ships with the following printed manuals.

Manual	Information
Installation poster	Guides you through a first-time installation
Quick Reference Card	Describes indicators, connectors, special keys, and how to contact TI
Safety Instructions	Contains important precautions about personal safety
Warranty Card	Describes the limitations of your warranty protection
Software license agreement	Describes your rights and obligations concerning use of included software
Windows® 95 documentation kit	Includes an overview of the Windows 95 operating system and the Microsoft® Certificate of Authenticity

Advantages of online documentation

Online documentation has the following advantages.

Feature	Benefit to You
Weightless	Gives you access to the equivalent of several pounds of manuals without increasing the weight you have to carry
Electronic links	Allows retrieval of information more quickly
Paperless	Conserves natural resources
Available online	Lets you reload, update, or even use directly from the World Wide Web

TravelMate Online Manual

The *TravelMate Online Manual* provides you the information you need while the computer is turned on.

The online manual is in HTML format. HTML stands for Hyper Text Markup Language and is the standard "language" of the World Wide Web.

You can view the online manual using the Microsoft Internet Explorer software included on your computer. After loading the online manual, you can retrieve information by clicking on a topic in the index. Each topic has a hyperlink pointing to a file. The file is loaded transparently to you.

Online Manuals

Other online manuals

The following manuals are also available online.

Manual	Information
Microsoft online manuals	Full user information for the operating system
Demo program	Multimedia presentation of the features of your computer

Starting from Windows 95

Follow these steps to start the *TravelMate Online Manual* from Windows 95.

1. Click on **Start**.
2. Point to **TravelMate Notebook Center**.
3. Click on **TravelMate Online Manual**.

Windows 95 launches the Internet Explorer and loads the index for the *TravelMate Online Manual*.

Starting from Windows for Workgroups

Follow these steps to start the *TravelMate Online Manual* from Windows for Workgroups.

1. From the Program Manager double-click on the **TravelMate Notebook Center** icon.
2. Double-click on the **TravelMate Online Manual** icon.

Windows for Workgroups launches the Internet Explorer and loads the index for the *TravelMate Online Manual*.

Viewing a topic

Your main point of access to the *TravelMate Online Manual* is an index of topics arranged alphabetically. To view a topic, scroll through the index until you find the topic you want. When you click on the topic, the Internet Explorer loads the file containing the topic you have selected.

To return to the index from a topic, click on the back-arrow button in Internet Explorer.

Printing current page or range of pages

To print a page, select **Print** from the File menu. When the **Print** dialog box appears you can choose a page or range of pages to print.

Deleting the TravelMate Online Manual

Why not to delete

Although you can delete the online documentation, it is not recommended that you do so for the following reasons.

- Most documentation for your computer is only available online. If you delete it, you will no longer have access to the information.
- The *TravelMate Online Manual* serves as the online help for all custom utility packages for your computer. If you delete it, you will no longer have help files for those utilities.
- The large storage capacity of the hard disk drive makes the relatively small space required to store the online documentation less significant than in the past.

How to delete in Windows 95

To delete the *TravelMate Online Manual* in Windows 95, follow these steps.

1. Click on **Start**.
2. Point to **Programs** and click on **Windows Explorer**.
3. From Windows Explorer click on the **tmonline** folder.
4. Press the **Del** key.
5. Confirm File Delete by clicking on **Yes**.
6. Click on the **Recycle Bin**.
7. Click on **File**.
8. Click on **Empty Recycle Bin**.
9. Click on **Yes**.

How to delete in Windows for Workgroups

To delete the *TravelMate Online Manual* in Windows for Workgroups, follow these steps.

1. From the Program Manager, double-click on the **Main** program group.
2. Double-click on **File Manager**.
3. Click on **c:\tmonline**.
4. Press **Del**.
5. Confirm by clicking on **OK**.
6. Confirm you want to delete the directory by clicking on **Yes**.
7. Confirm you want to delete the files by clicking on **Yes to All**.

Deleting the TravelMate Online Manual

2
Getting Started

This chapter supplements the Installation Poster to help you install the computer for the first time. The chapter contains information to help you make decisions during the setup process, details of the Windows 95 setup program, and a description of the multimedia demo program.

General Cautions

Read Safety Instructions 2-2
Install with AC power connected . . . 2-2

What You Need before Starting

Sufficient time 2-3
Access to AC power 2-3
Certificate of Authenticity 2-3
Language 2-3
Printer type 2-3
Which operating system to load 2-4
When to back up your system files . . 2-4

Running the Setup Program

Starting the computer for the first time 2-5
Loading DOS+WFW 2-6
Loading Windows 95 2-7

Running the Demo Program

Contents of the demo program 2-8
Stopping the demo program 2-8
Running the demo program again . . 2-8
Deleting the demo program 2-9

General Cautions

Read Safety Instructions

The Safety Instructions for your computer are in printed form so you can read them carefully before turning on your computer for the first time. The Safety Instructions include the following information.

- Protection from physical hazards
- Avoidance of repetitive motion problems
- Comfort

Install with AC power connected

Always use the AC adapter during initial setup. When you receive your computer, the battery is largely discharged. If the computer loses power during initial setup, you can experience irreversible file damage.

Sufficient time

The Windows 95 setup takes up to 30 minutes. Because of the way Windows 95 structures its files, stopping in the middle of the setup process can cause irreversible file damage.

Access to AC power

Although the battery pack may have some charge, it is probably insufficient for the entire set up. Loss of power during setup can cause irreversible file damage.

Certificate of Authenticity

You will need to type the number on your Windows 95 Certificate of Authenticity during Windows 95 Setup. This certificate is part of the Windows 95 documentation kit. You need this number even if you are installing Windows for Workgroups.

Language

During initial setup you choose the following:

- Language for Windows displays
- Language for keyboard installed

Your language selection is final. You will not be able to change the language after installation is complete.

Printer type

As part of the Windows setup, you are prompted to choose a printer. Microsoft includes the files for many different printers. If you cannot find your printer in the list, you will need the floppy disk with the printer driver provided by the printer manufacturer. If you do not want to install a printer at this time, you can skip this part of the setup.

Which operating system to load

During initial setup you must choose which operating system to load, either Windows 95 or MS-DOS® and Windows for Workgroups (DOS+WFW). *This choice is final. You will not be able to change the operating system after installation is complete.*

For most users Windows 95 is the better choice. You might want to load DOS+WFW under the following circumstances.

- Your corporation or workgroup may have guidelines that require use of DOS+WFW. Check with your manager to determine the policy at your company.
- The software that controls your local area network may not be compatible with Windows 95. Check with your network administrator to determine whether Windows 95 is compatible.
- Although most software that is compatible with DOS+WFW is also compatible with Windows 95, it is possible that existing software you are using will not run in Windows 95. If you have a critical software application that you intend to copy to your new computer, check with the manufacturer of the software to determine whether your application is compatible with Windows 95.

When to back up your system files

After setting up the operating system, the computer gives you the opportunity to back up the operating system on floppy disks. You can make your backups immediately following setup or later. When you choose to back up your operating system on floppy disks, you will need approximately 40 floppy disks for Windows 95 or 20 floppy disks for DOS+WFW.

Starting the computer for the first time

After gathering information, you are ready to run the setup program. The first time you turn on your computer, your system automatically runs the Windows 95 Setup. The following steps help you through the Windows 95 Setup.

Caution: Make selections carefully. This is your only chance to set up the operating system.

1. Turn on your computer.

   The program displays the **Welcome to Windows Setup** screen.

2. Click on **Next**.

   The program displays the **Regional Settings** screen.

3. Select the language and keyboard then click on **Next**.

   The program displays the **User Information** screen.

4. Type in your name and company then click on **Next**.

   The next three screens include license agreement information.

5. Click your agreement to the license conditions.

   The program prompts you for the number on your Certificate of Authenticity.

6. Enter the number from your Certificate of Authenticity then click on **Next**.

The program displays the **Windows Version** screen. How you proceed from here depends on which operating system you want to load.

Loading DOS+WFW

If you have decided to load DOS+WFW, follow these steps. If you have decided to load Windows 95, skip this section.

1. On the Windows Version screen, click on **Change**.

   A screen appears confirming that you want to load Windows for Workgroups instead of Windows 95.

2. Click to confirm that you want to load DOS+WFW.

3. Click on **Next**.

   The computer displays the **Configuring Your Computer** screen. The computer configures your computer, deleting all unrequired files. This may take several minutes. When the process in complete, you are prompted to restart your computer.

4. Click on **Finish** to restart your computer.

   The computer restarts and gives you a choice to load either Windows for Workgroups or Windows for Workgroups with card support.

5. If you are using PC cards, select Windows for Workgroups with card support; otherwise, select standard Windows for Workgroups, which is the default.

Windows for Workgroups loads.

Loading Windows 95

If you have decided to load Windows 95, follow these steps.

1. On the **Windows Version** screen, click on **Next**.

   The computer displays the **Configuring Your Computer** screen. The computer configures your computer, deleting all unrequired files. This may take several minutes. When the process is complete, you are prompted to restart your computer.

2. Click on **Finish** to restart your computer.

The computer restarts and loads Windows 95.

Running the Demo Program

Contents of the demo program

After completing setup, the computer runs a multimedia demo program. This program is entertaining and informative and includes the following information.

- The features of your computer and how to use them
- The **live**gear accessories available for your computer
- The software loaded on your computer
- How to get service and technical support
- More about Texas Instruments

Stopping the demo program

To stop the demo, press the secondary (right) mouse button, which is the smaller, rectangular button below the keyboard.

Running the demo again

The demo program runs automatically the first time you start Windows. When you exit the demo program the first time, it is removed from the StartUp group.

To run the demo program again, do one of the following.

In Windows 95

1. Click on **Start**.
2. Point to **TravelMate Notebook Center**.
3. Click on **Interactive Demo**.

In Windows for Workgroups

1. From the Program Manager double-click on the **TravelMate Notebook Center** icon.
2. Double-click on the **Interactive Demo** icon.

Deleting the demo program

An uninstall program helps you delete all or part of the demo program to free up space on your hard disk drive. The way you get to the program to remove the demo program depends on your operating system.

Windows 95

1. Click on **Start**.
2. Point to the **TravelMate Notebook Center**.
3. Click on **Uninstall Demo**.

Windows for Workgroups

1. In the Program Manager double-click on the **TravelMate Notebook Center** icon.
2. Double-click on the **Uninstall Demo** icon.

3
Installing Internal Accessories

This chapter describes how to install the accessories that reside inside the computer.

Preventing Damage from Static Electricity

If possible, use a grounding strap 3-2
What to do if you don't have a grounding strap 3-2
Use the antistatic bag 3-2
Operate the computer with something in the modular bay 3-2

Installing Memory Modules

Maximum memory 3-3
Tools required 3-3
Preparing the computer 3-3
Locating the keyboard latches 3-3
Removing the keyboard 3-4
Inserting the memory module 3-5
Closing the computer 3-6
Testing the installed memory 3-6

Installing Modular Bay Accessories

Using the modular bay 3-7
Changing modules 3-7

Installing PC Cards

Using PC cards 3-9
Inserting a PC card 3-9
Removing a PC card 3-10
Configuring Ethernet PC cards 3-10

Preventing Damage from Static Electricity

If possible, use a grounding strap

Internal accessories, especially memory, are vulnerable to damage from static electricity while they are out of the computer. Although modular bay accessories and PC cards are hardened against static electricity, ideally, you should use a wrist grounding strap when handling memory modules or other electrostatically sensitive devices.

What to do if you don't have a grounding strap

If you do not have a grounding strap, you still need to protect your computer and accessories from static electricity. Follow these steps before opening the computer or handling internal accessories.

1. Sit down. Static electricity builds up as you walk around.
2. Touch a large, grounded appliance, for example an external monitor, to discharge static electricity.

It is now safe to open the computer or handle internal accessories.

Use the antistatic bag

If you received the internal accessory in an antistatic bag, the accessory is sensitive to static electricity. Always keep the accessory in its antistatic bag until you are ready to install the accessory.

Operate the computer with something in the modular bay

Operating the computer with the modular bay empty can give static electricity access to sensitive components inside the computer. Before operating the computer, make sure the modular bay contains something: a drive module, a second battery, or a weight-reduction module.

Maximum memory

Your computer has three slots for memory modules. One of the slots holds 8-MB modules exclusively. The other two slots hold 8-MB, 16-MB, or 32-MB modules. This gives your computer a maximum possible memory of 72 MB.

Tools required

- Small, flat-blade screwdriver
- Wrist grounding straps (*recommended*)

Preparing the computer

The installation procedure involves opening up the computer. Before proceeding, follow these steps to protect yourself and your computer.

1. Turn off the computer.
2. Disconnect the AC adapter from the computer.
3. Remove all battery packs.
4. Ground yourself following the instructions on the previous page.

Locating the keyboard latches

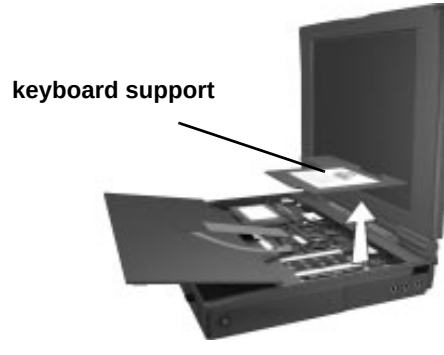
The keyboard has three small plastic latches that hold it in place. These latches are along the rear of the keyboard.

Removing the keyboard

Follow these steps to remove the keyboard.

1. Insert a small, flat-blade screwdriver into the depression between the back of the keyboard and the base of the computer at the left most latch.
2. Carefully rotate the screwdriver backward to move the keyboard from under the left latch.
3. Repeat steps 1 and 2 for the center and right latches.
4. Rotate the keyboard toward you until it rests flat on top of the hand rest. Be careful not to kink or disconnect the two ribbon cables connected to the keyboard.

5. Lift out the keyboard support.

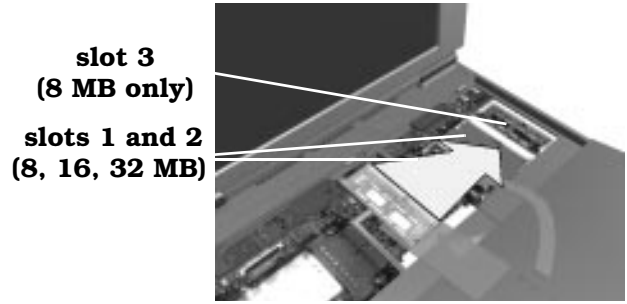


Inserting the memory module

The system board has three slots for memory modules, one of which is already occupied by the factory-installed memory. You can insert an 8-MB memory module in any slot. You must insert a 16-MB or 32-MB module in either slot 1 or slot 2.

Follow these steps to insert a memory module.

1. Remove the memory module from the antistatic bag.
2. Insert the memory module into one of the slots. The memory modules are keyed to insert in only one direction.



3. Slide the memory module in until the metal guides on the system board snap into place.
4. If you are installing two memory modules, repeat steps 1 - 3.

Closing the computer

Follow these steps to put the keyboard back in place.

1. Insert the keyboard support.
2. Insert the four tabs on the bottom of the keyboard into the corresponding slots on the top cover.
3. Rotate the keyboard back into position so that the keyboard is resting on top of the latches.
4. Starting with the rightmost latch, lightly press down on the keyboard to the right of each latch until the keyboard snaps into place.

Testing the installed memory

After installing the memory, follow these steps to make sure the memory is working properly.

1. Insert the battery pack.
2. Connect the AC adapter.
3. Turn on the computer.

As the computer completes its self test, you should see the memory has increased correctly.

Using the modular bay

By using the modular bay on your computer, you can modify your computer as your needs change. The modular bay can accept the following accessories.

Accessory	Added Functionality
Floppy disk drive module	Read from and save to standard 3.5-inch floppy disks
6X CD-ROM drive module	Read from audio CD, photo CD, or CD-ROM
Second battery pack	Doubles the time you can operate on battery power; allows hot-swapping of batteries
Second hard disk drive module	Almost triples the hard disk capacity on your computer
High-density diskette drive module	Gives you more than 200 MB of extended storage on a removable diskette
Weight-reduction module	Reduces the carrying weight by around 1/2 pound (225 g) when a drive accessory or battery is unnecessary

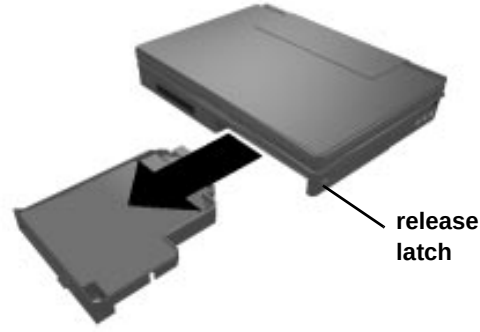
Changing modules

Your computer has a software-controlled locking mechanism that prevents accidental removal of drives from the modular bay. The factory setting unlocks the mechanism when the computer is off. If you have changed this setting, use the setup program to change it back before proceeding.

Installing Modular Bay Accessories

Follow these steps to change modules.

1. Turn off the computer.
2. Press the release latch on the right side of the computer.



3. Pull out the accessory currently in the modular bay.
4. Remove the new accessory from its carrying container.
5. Insert the new accessory into the modular bay.
6. Slide the new accessory into the modular bay and push the accessory until it latches into place.
7. Place the original accessory into an optional carrying container if available and store in a safe place.
8. Turn on the computer.

Using PC cards

The computer can accept two PCMCIA Type I or II cards or one Type III card. The following PC cards are available from Texas Instruments.

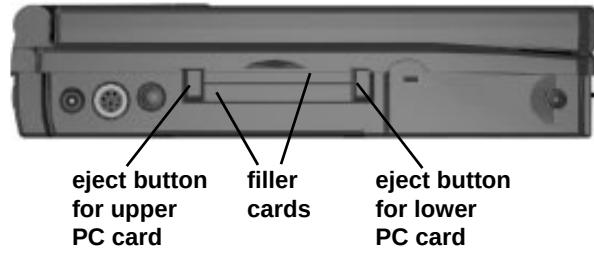
PC Card	Added Functionality
28.8 kB/second Speakerphone Modem	High-speed, data/fax; uses computer microphone and speaker for speakerphone
28.8 kB/second cellular modem	High-speed, data/fax; connects to cellular phone
Token Ring	Connects to a token-ring local area network
Ethernet® 10Base T/twisted pair	Connects to an Ethernet local area network
MPEG playback card	Full-motion video (must be inserted in lower PC-card slot)

Inserting a PC card

You can insert PC cards while the computer is running. Follow these steps to insert a PC card.

Note: An MPEG playback card must go in the lower slot.

1. In the PC card slot, press an eject button to eject a filler card. If you are installing a Type III card, press both eject buttons.



2. Insert the connector end of the PC card label-side up into the slot.

3. Gently push the PC card in as far as it can go.
4. Save the filler card for later use.

Removing a PC card

For ease of access your computer does not cover the slots for the PC cards. For this reason it is important at all times to have both slots occupied by a PC card or a filler card.

Whenever you remove a PC card, replace it with the original filler card.

Configuring Ethernet PC cards

Some Ethernet cards expect to use a portion of memory reserved for the video adapter. If this happens, you must reconfigure the Ethernet card. Refer to the *TravelMate Online Manual* for instructions.

4
Setting Up Your Desktop

Although your computer gives you high performance wherever you are, you can make your computer more usable as a workstation by setting up your desktop properly. This chapter describes your options while preparing your computer to function like a permanent workstation.

Preparing To Install External Accessories
- Why to add external accessories 4-3
- Environmental considerations 4-3
- Available accessories 4-4

Installing a DockMate Docking Solution
- Advantages of a DockMate Docking Solution 4-5
- What you need before installing 4-5
- DockMate models 4-6
- Installation Procedure 4-6

Connecting a Keyboard
- Required cables/connectors 4-7
- Connecting to a DockMate 4-7
- Connecting directly to computer 4-7

Connecting a Pointing Device
- Required cables/connectors 4-8
- Connecting to a DockMate 4-8
- Connecting directly to computer 4-8

Connecting a Monitor
- Required cables/connectors 4-9
- Connecting to a DockMate 4-9
- Connecting directly to computer. 4-9
- Supported monitors 4-10
- Operating the computer with an external monitor 4-10

Connecting a Numeric Keypad Accessory
- Required cables/connectors 4-11
- Connecting to a DockMate 4-11
- Connecting directly to computer. 4-11

Setting Up Your Desktop

Connecting an External Floppy Disk Drive
Required cables/connectors 4-12
Connecting directly to computer 4-12

Connecting a Printer
Required cables/connectors 4-13
Connecting to a DockMate 4-13
Connecting directly to computer 4-13
Installing a printer driver 4-13

Connecting Sound Equipment
Types of sound equipment 4-14
Connecting to a DockMate Plus 4-14
Connecting directly to computer 4-14

Securing the Computer
Why to secure computer 4-15
Required lock 4-15
Connecting the Kensington lock 4-15

Why to add external accessories

There are several reasons to add external accessories to your computer.

Advantage	Example
Increased functionality	Printers, higher resolution monitors
Improved comfort and ergonomics	Keyboard, pointing devices
Convenience	DockMate Docking Solution, numeric keypad, external floppy disk drive

Environmental considerations

Under most circumstances an office or home environment falls within the specifications for your computer. The one exception is relative humidity. On cold winter days the relative humidity indoors often falls below 20%. During the winter you should protect your computer and external accessories from electrostatic discharge by spraying the carpet around your work area with antistatic spray or by installing an antistatic mat.

Preparing To Install External Accessories

Available accessories

The following external accessories are available for your computer.

Accessory	What it adds
DockMate™	Easy connect/disconnect to desktop accessories
DockMate Plus	Easy connect/disconnect to desktop accessories; connection to SCSI® devices
DockMate Net Ready	Easy connect/disconnect to desktop accessories; connection to Local Area Networks via Ethernet
Keyboard	Comfort, ease of use, better ergonomics
Pointing device	Ease of use, better ergonomics
Monitor	Larger viewing area, increased resolution, more comfortable view height
Monitor stand	Less desk space used because DockMate and computer can fit below external monitor; better management of cables
Numeric keypad	Convenience for entering numbers when external keyboard not attached
Floppy disk drive cable	Access to floppy disk drive while modular bay loaded with another accessory
Printer	Hard copy
Sound	Headphone, more powerful speakers/ microphone
Kensington® lock	Theft deterrence

Advantages of a DockMate Docking Solution

A DockMate Docking Solution is an accessory that connects to the back of your computer and replicates the various ports on the computer.

A DockMate connected to your computer has the following advantages.

- Saves time disconnecting and reconnecting computer to external accessories
- Adds functionality depending on DockMate model
- Reduces risk of damage to computer connectors

What you need before installing

A DockMate connects easily without tools to the rear of your computer.

Each external accessory needs a cable. While most accessories except for printers have built-in cables, older accessories might require adapters to fit the connectors on the DockMate.

- Serial cables with 25-pin connectors require an adapter to fit a 9-pin connector
- Older keyboards require an adapter to fit a PS/2® port

Many connectors have screws attached to secure the connection. If you want to secure the connectors to the DockMate, you might need a small screwdriver.

Installing a DockMate Docking Solution

DockMate models

There are three DockMate models. All of them allow easy connection and disconnection to external accessories. All of them also have two PS/2 ports, allowing you to connect both a keyboard and a mouse.

The DockMate Plus and DockMate Net Ready models have additional connectivity options.

- DockMate Plus includes a fast SCSI II connection, space for an optional small form-factor PCI card, stereo speakers, and external sound connections.
- DockMate Net Ready includes a ThunderLAN™ Ethernet connection.

Installation Procedure

To connect your computer to a DockMate Docking Solution, follow these steps.

1. Turn off the computer.
2. Lift the latch on the DockMate.
3. Lower the back of the computer onto the pegs on the DockMate.

4. Close the latch.
5. Follow the installation procedure accompanying your DockMate model to complete the installation.

You might find it easier to connect all of the external accessories to the DockMate before docking the computer.

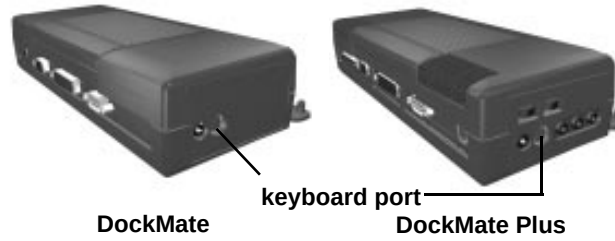
Required cables/ connectors

Keyboards almost always have a built-in cable. Most keyboards today have a PS/2 connector and can connect directly to the PS/2 port on the DockMate or on the computer.

Older keyboards have larger connectors, which require a PS/2 adapter.

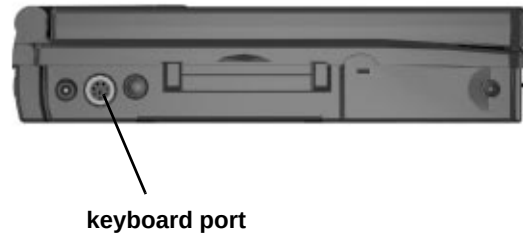
Connecting to a DockMate

Each DockMate model has two PS/2 ports — one for a keyboard and one for a pointing device. You should connect the keyboard to the PS/2 port on the side of the DockMate.



Connecting directly to computer

The computer has one PS/2 port. Connect an external keyboard to this port.



Connecting a Pointing Device

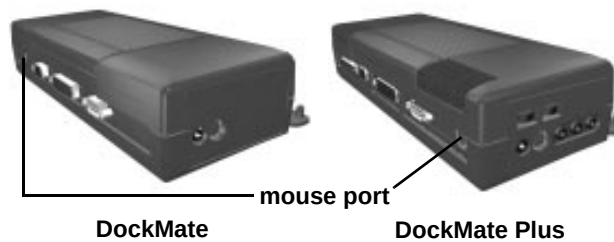
Required cables/ connectors

A mouse, glidepad, trackball, or other pointing device comes with a built-in cable. Most pointing devices have a PS/2 connector, although some may have a serial connector.

If you are not connecting to a DockMate and have an external keyboard connected, you must connect the pointing device to the serial port. In this case, you might need an adapter to convert the PS/2 connector for the pointing device to a 9-pin serial connector.

Connecting to a DockMate

Each DockMate model has two PS/2 ports — one for a keyboard and one for a pointing device. You should connect the pointing device to the PS/2 port on the rear of the DockMate.



Connecting directly to computer

The computer has one PS/2 port.

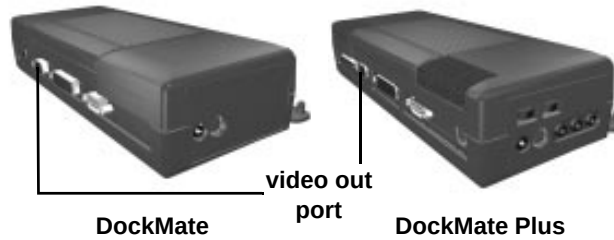
- If you have not connected an external keyboard, you can connect the pointing device to the PS/2 port.
- If you have connected an external keyboard, connect a pointing device to the serial port.

Required cables/ connectors

External monitors usually have a built-in cable. Monitor cables use a standard connector, so an adapter is probably not required.

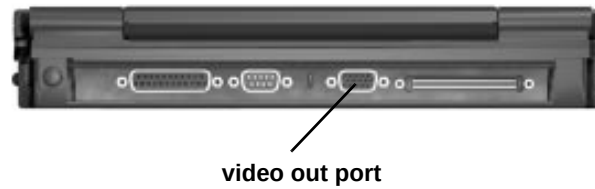
Connecting to a DockMate

Connect the cable to the video out port on the rear of the DockMate.



Connecting directly to computer

Connect the cable to the video out port on the rear of the computer.



Connecting a Monitor

Supported monitors

Your computer has built-in support for the following resolutions and colors.

Resolution	No. of Colors
640 x 480	256, 64K, 16.8M
800 x 600	256, 64K
1024 x 768	256
1280 x 1024	256

If your monitor has special requirements, follow the directions provided by the manufacturer of your monitor to install the correct driver.

Operating the computer with an external monitor

Both Windows 95 and Windows for Workgroups have utilities that allow you to select whether you want the visual image displayed on the external monitor, on the local screen, or on both.

Operating System	Utility
Windows 95	Change Display
Windows for Workgroups	WinMode

Refer to the *TravelMate Online Manual* for instructions on using these utilities.

Note: External monitors can use many resolutions that are incompatible with the screen on the computer. When this is the case, you cannot view both the computer screen and the monitor at the same time.

Connecting a Numeric Keypad Accessory

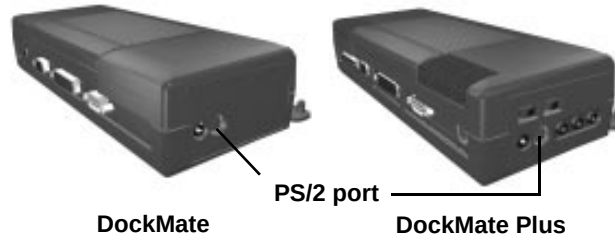
Required cables/ connectors

The numeric keypad accessory comes with an integrated cable and is designed to connect to the keyboard PS/2 port.

You cannot use the numeric keypad accessory and an external keyboard at the same time.

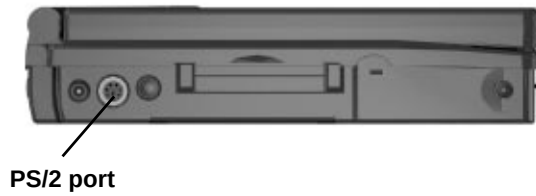
Connecting to a DockMate

Each DockMate model has two PS/2 ports — one for a keyboard and one for a pointing device. You should connect the numeric keypad accessory to the PS/2 port on the side of the DockMate.



Connecting directly to computer

The computer has one PS/2 port. Connect an external keyboard to this port.



Connecting an External Floppy Disk Drive

Required cables/ connectors

With the addition of a special cable, you can connect the floppy disk drive module to the parallel port. This enables you to have another device in the modular bay and still use floppy disks.

The floppy disk drive can only be connected directly to the computer. *You cannot connect the floppy disk drive to the parallel port on a DockMate Docking Solution.*

Connecting directly to computer

If you are connecting an external floppy disk drive directly to your computer, connect the cable to the parallel port on the back of the computer and the connector on the back of the floppy disk drive module.

parallel port

Required cables/ connectors

Most printers do not ship with a cable, so you may need to buy one.

Most printers connect through the parallel port on the computer using a standard, Centronics™-type parallel cable.

Connecting to a DockMate

If you are connecting a printer to a DockMate, connect it to the parallel port on the back of the DockMate.

DockMate DockMate Plus

Connecting directly to computer

If you are connecting a printer directly to your computer, connect it to the parallel port on the back of the computer.

Installing a printer driver

Your operating system supports a wide range of printers. If your printer is not supported by the operating system, follow the instructions provided with your printer to install a driver.

Connecting Sound Equipment

Types of sound equipment

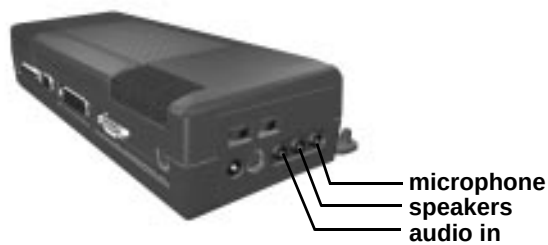
Your computer has a 16-bit sound card, stereo speakers, and a built-in microphone. By adding external sound equipment, you can improve the quality of sound production and increase convenience.

When purchasing external sound equipment, keep the following in mind.

- Speakers — connect to the audio-out port on a DockMate Plus or the computer; must have own source of power
- Headphones — connect to the audio-out port on the computer
- Microphone — connects to the microphone port on the computer or DockMate Plus

Connecting to a DockMate Plus

The following illustrations show the audio connections on a DockMate Plus.



DockMate Plus

Connecting directly to computer

The following illustration shows the audio connection on the computer.

Why to secure computer

It's an unfortunate fact of modern life that something as portable and valuable as your computer has a chance of leaving your desk in the wrong hands. While the computer itself can be replaced, the data it contains may be irreplaceable. An investment of a few dollars and a few moments can prevent a disaster.

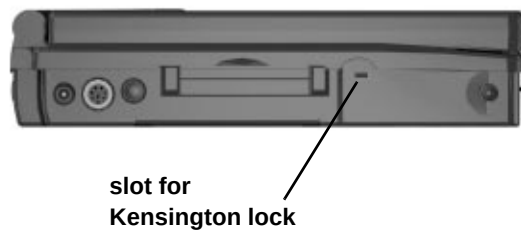
Required lock

You can secure your computer using a standard Kensington lock. If your computer store does not carry Kensington locks, you can buy one directly from Texas Instruments.

Connecting the Kensington lock

Follow these instructions to secure your computer using a Kensington lock.

1. Secure the looped end of the Kensington lock cable to a permanent fixture within reach of your computer.
2. Insert the Kensington lock into the slot on the left side of the computer.



3. Turn the key so that the Kensington lock is attached to the computer.
4. Remove the key from the lock.

5
Installing Software

Installing software on your computer is not much different than installing software on any computer. This chapter provides some guidance to help you select and install software.

Selecting Software for the Computer
- Purchasing new software 5-2
- Using existing software 5-2

Loading Software
- Loading software from floppy disks. 5-3
- Why you should have a 6X CD-ROM drive module 5-3
- Loading software from CD-ROM 5-3

Special Considerations
- Screen resolution 5-4
- Sound settings 5-4

Selecting Software for the Computer

Purchasing new software

When purchasing new software for your computer, check the carton and make sure the software is compatible with your computer in the following ways:

- *Operating system* — If the program is Windows-based, make sure it matches the operating system you have loaded on your computer. Some programs work only on Windows 95 or have functions that work only on Windows 95. Some programs work only on Windows for Workgroups.

  MS-DOS-based software should work regardless of the operating system you loaded on your computer.

- *Minimum requirements* — Make sure your computer has enough memory, screen resolution, and processor speed for the software.

- *Media* — If you do not have access to an optional 6X CD-ROM drive module, make sure the software package contains 3.5 inch floppy disks.

Using existing software

If you already have some software you want to load on the computer, you might as well try loading it.

- If it works without any problems, you do not need to do anything else.

- If it fails to work, you may be able to order an upgrade to the package that does work at only a fraction of the cost of a full software package.

Loading software from floppy disks

Your computer has a standard 3.5-inch floppy disk drive. If you are loading software from floppy disks, insert disk 1 into the floppy disk drive (Drive A) and follow the direction for installing the software.

Why you should have a 6X CD-ROM drive module

There are at least three good reasons to have access to a 6X CD-ROM drive module for your computer.

- Many software packages are available only on CD-ROM.
- Many others that are available on floppy disks have additional files and reference material that is only available on the CD-ROM versions.
- Software manufacturers frequently charge more, sometimes much more, for floppy disk versions.
- Loading software packages from floppy disks takes longer and is more cumbersome.

It may not be necessary to purchase a 6X CD-ROM drive module for every computer. If you are only going to be using the CD-ROM drive to load software, you can share a CD-ROM drive module between computers.

Loading software from CD-ROM

If you are loading software from a CD-ROM, insert the CD-ROM disc label-side up into the carrier for the optional CD-ROM drive module and close the CD-ROM drive (Drive D). Follow the directions for installing the software.

Special Considerations

Screen resolution

Some software packages require a specific screen resolution (usually VGA) for optimal performance. If you have selected a different resolution, you may need to adjust the screen resolution before running the software.

Sound settings

Some, mostly older software packages require you to provide information about your sound card. Here is the information you might need.

Sound Card	Sound Blaster™ Pro 16
Base memory	220H
DMA	1
IRQ	5

6
Battery Operation

When you are using your computer away from your desktop, you are usually running on battery power. This chapter shows you how to maximize your battery life.

General Information about Batteries

Battery characteristics 6-2
Battery safety 6-2
Disposing of used battery 6-3
Ordering a spare battery 6-3

Charging Batteries

Determining current charge 6-4
Charging the battery in the computer 6-4
Charging the battery in an external battery charger 6-4

Prolonging Battery Life

Increasing BatteryPro level 6-5
Reducing processor speed 6-5
Reducing screen brightness 6-5
Caching the hard disk drive 6-5
Lowering inactivity timeouts 6-6
Removing FDD 6-6
Suspending operation while idle 6-6

Responding to a Low Battery Condition

Saving files 6-7
Turning off alarm 6-7
Reducing processor speed 6-7
Reducing screen brightness 6-7
Connecting AC adapter 6-7
Suspending operations 6-7
Replacing battery 6-8
Suspending to Disk 6-8

General Information about Batteries

Battery characteristics

The battery pack fits into either the primary battery slot on the left of the computer or in the modular bay on the right of the computer.

The batteries have the following characteristics.

- Type: Lithium-ion (Li-Ion)
- Maximum charge: 35 Watt Hours
- Average life of charge: 2 to 3 hours per battery
- Conditioning is not required

Battery safety

The following general guidelines, as well as local codes and ordinances, must be followed when handling and replacing all batteries:

- Dispose of a used battery promptly.
- Do not dispose of a battery in fire or water.
- Keep batteries away from children.
- Do not puncture the battery case or disassemble.
- If a battery is leaking, do not touch the electrolyte.
- Do not short-circuit the battery. Burns may result.
- Do not expose to temperatures greater than 60 °C.

Disposing of used battery

Always dispose of used batteries in accordance with local regulations. Battery recycling is available in some areas. Contact your computer dealer or call Texas Instruments at 1-800-TI-TEXAS for information about battery recycling programs.

Ordering a spare battery

The computer ships with a single battery. To order a second battery for use in the modular bay or simply as a spare, call your computer dealer or call Texas Instruments at 1-800-TI-TEXAS.

Charging Batteries

Determining current charge

The battery has lighted indicators that show, when the computer is on the charge remaining in the battery. The following table shows how to interpret the indicators.

Indicators	Charge in Battery
None	Fully charged
1	Less than 25%
2	26% - 50%
3	51% - 75%
4	76% - 99%

Charging the battery in the computer

Follow these steps to charge the battery in the computer.

1. Insert the battery into the computer.
2. Plug in the AC adapter.
3. Connect the computer to the AC adapter.
4. Allow to charge 4 hours if computer is off or 10 hours if computer is on.

Note: If you have both batteries installed in the computer, it will take longer to charge the batteries, since the batteries charge in parallel.

Charging the battery in an external battery charger

An optional external battery charger allows you to charge a battery while you are using the computer. Use only the battery charger designed for your computer. Follow the directions that come with the external battery charger. To order an optional battery charger, see your computer dealer or call Texas Instruments at 1-800-TI-TEXAS.

There are a number of actions you can take to reduce the rate at which your computer depletes the battery. By taking some or all of these actions, you can substantially increase the time you can operate on battery power before recharging the battery.

Increasing BatteryPro level

BatteryPro™ is patented software that helps control the rate at which the battery is depleted by reducing the amount of wasted energy. Use the wSetPower program to increase the battery savings level.

Reducing processor speed

The Pentium® processor in your computer is a major consumer of electric charge. If you are using the computer in a way that does not require a fast processing speed, for example, typing or using the modem, reducing the processor speed can save considerable charge.

To reduce the processor speed, use the wSpeed utility described in the *TravelMate Online Manual*.

Reducing screen brightness

Although the screen controller uses new technology to increase brightness without increasing energy consumption, the screen is still the largest single consumer of the battery charge. Reducing the brightness to the lowest acceptable level increases battery life.

To reduce the brightness, press **Fn**-↓.

Caching the hard disk drive

By caching the hard disk drive, you can reduce the length of time the hard drive is rotating and using energy. Both Windows 95 and Windows for Workgroups use a disk-caching program by default. As long as you have not disabled these programs, you can take advantage of the battery savings.

Prolonging Battery Life

Lowering inactivity timeouts

Inactivity timeouts turn off devices in the computer when you are not using them. Lowering the inactivity timeouts shortens the period of time the computer waits before turning off the device.

Inactivity timeouts are defined in the setup programs described in the *TravelMate Online Manual*.

Removing FDD

Although the floppy disk drive module does not use much power while you are not accessing the drive, it does use some. Replacing the floppy disk drive module with a weight-reduction module eliminates all drain on the battery.

Suspending operation while idle

Although the computer goes into Suspend mode automatically after a defined period of inactivity, you can reduce energy consumption even further by pressing either **Fn-F3 (Suspend)** or **Fn-F4 (Standby)** as soon as you no longer need the computer to be active.

- Pressing **Fn-F4 (Standby)** turns off the screen.
- Pressing **Fn-F3 (Suspend)** turns off the screen, stops the hard disk drive, and reduces energy usage to the lowest level possible without turning off the computer.

Press the **Shift** key to resume activity from Suspend or Standby mode.

Responding to a Low Battery Condition

When you are operating the computer on battery power and the charge remaining is down to 20% of the maximum, the low-battery indicator blinks and an audible alarm sounds. When this happens you should take the following actions to conserve battery power and reduce the possibility of data loss.

Saving files

Save all open files frequently while the computer is in a low-battery condition.

Turning off alarm

Turn off the audible alarm by pressing **Fn-End (Mute)**.

Reducing processor speed

Use the wSpeed utility in the **TravelMate Notebook Center** to reduce the processor speed. The wSpeed utility is described in the *TravelMate Online Manual*.

Reducing screen brightness

Reduce screen brightness by press **Fn**-↓.

Connecting AC adapter

If you have access to AC power, connect the computer to the AC adapter. You can do this without turning off the computer.

Suspending operations

Press **Fn-F3** or **Fn-F4** to put the computer into Suspend or Standby mode whenever you are not actively using the computer. Press the **Shift** key to bring the computer out of Suspend or Standby mode.

Responding to a Low Battery Condition

Replacing battery

If you have a spare, charged battery, you can do one of the following.

- Insert the spare battery in the modular bay.
- If you already have a battery in the modular bay, you can replace the primary battery without turning off the computer.
- If you cannot insert the spare battery into the modular bay, suspend operations to disk by pressing **Fn-F2** and replace the battery. When you turn on the computer, the computer returns to the saved state.

Suspending to Disk

When the battery power becomes critically low (less than 10% charge remaining), the computer saves the current state of the computer to disk and turns off. When you turn the computer on again, the computer restores the state that was saved to disk.

7
Mobility

Although notebook computers can replace the desktop computer, the only reason to pay extra for a notebook computer is mobility. This chapter describes all the considerations to help you take advantage of your computer's mobility.

Overview of Mobility
Disconnecting from the desktop 7-2
Moving around 7-2
Taking the computer home 7-2
Traveling with the computer 7-2
International traveling 7-2

Disconnecting from the Desktop
Disconnecting from a DockMate 7-3
Disconnecting from external accessories . . 7-3

Moving Around
Preparing the computer 7-4
What to bring for short meetings 7-4
What to bring for long meetings 7-4

Taking the Computer Home
Preparing the computer 7-5
What to bring with you 7-5
Special Considerations 7-5
Setting up a home office 7-6

Traveling with the Computer
Preparing the computer 7-7
What to bring with you 7-7
Special Considerations 7-7

Traveling Internationally with the Computer
Preparing the computer 7-8
What to bring with you 7-8
Special considerations 7-8

Overview of Mobility

Disconnecting from the desktop	No matter where you are taking your computer, you need to disconnect it from your desktop accessories.
Moving around	"Moving around" refers to using your computer at different locations within the same building, for example, taking it with you to meetings.
Taking the computer home	Since you are taking the computer to the same place every night, you can save yourself time and effort by setting up a home desktop.
Traveling with the computer	The farther you get away from home or office, the more important it is to bring the necessary equipment and supplies with you.
International traveling	Traveling internationally with your computer creates special concerns you need to address before you leave the country.

Disconnecting from a DockMate

All DockMate Docking Solutions were designed to facilitate connecting and disconnecting the computer. Follow these steps if your computer is connected to a DockMate.

1. Save your work in progress.
2. Shut down the operating system.
3. Turn off the computer.
4. Disconnect the Kensington lock if you are using one to secure the computer.
5. Lift the release latch on the DockMate.
6. Lift the computer off the DockMate.

Disconnecting from external accessories

If your computer is connected directly to external accessories, follow these steps.

1. Save your work in progress.
2. Shut down the operating system.
3. Turn off the computer.
4. Disconnect the cord from the AC adapter.
5. Disconnect the keyboard, pointing device, printer, external monitor, and other external devices.
6. Disconnect the Kensington lock if you are using one to secure the computer.

Moving Around

Preparing the computer

You can carry the computer without turning off the power. Press **Fn-F3 (Suspend)** to blank the screen, stop the hard disk drive, and save the current state of the computer. While in Suspend mode, the computer uses only minimal battery charge.

After placing the computer in Suspend mode, close and latch the cover. You can now safely take the computer anywhere you go within the building.

To bring the computer out of Suspend mode, press the **Shift** key.

What to bring for short meetings

A fully charged battery runs the computer for 2-3 hours under most circumstances. If your meeting is shorter than that, you probably do not need to bring anything with you other than the computer.

What to bring for long meetings

If your meeting will last longer than 3 hours or if your battery is not fully charged, you may want to bring the AC adapter with you to plug in your computer in the meeting room.

If the meeting room does not have an electrical outlet, you can do the following:

- Double the battery life by inserting a fully charged battery in the modular bay.
- Reduce the drain on the battery by putting the computer in Standby or Suspend mode whenever you are not actively using the computer.

Preparing the computer

After disconnecting the computer from your desktop, follow these steps to prepare the computer for the trip home.

1. Remove all media from the drive in the modular bay. Failure to remove the media can damage the drive head.
2. Pack the computer in a protective case that can prevent the computer from sliding around and cushion it if it should fall.

Caution: Avoid packing items next to the top cover of the computer. Pressure against the top cover can damage the screen.

What to bring with you

Unless you already have some items at home, bring the following items with you.

- AC adapter
- Modular bay accessories that you might need
- The printed user's manual

Special Considerations

Follow these guidelines to protect your computer while traveling to and from work.

- Minimize the effect of temperature changes by keeping the computer with you.
- If you need to stop for an extended period of time and cannot bring the computer with you, leave the computer in the trunk of the car to avoid exposing the computer to excessive heat.

- Changes in temperature and humidity can cause condensation. Allow the computer to return to room temperature, and inspect the screen for condensation before turning on the computer. If the temperature change is greater than 18°F (10°C), allow the computer to come to room temperature slowly. If possible, leave the computer for 30 minutes in an environment with a temperature between outside and room temperature.

Setting up a home office

If you frequently work on your computer at home, it may be worthwhile purchasing a second AC adapter for use at home. With a second AC adapter, you can avoid transporting the extra weight to and from home.

If you use your computer at home for significant periods of time, you might also want to add some of the external accessories described in Chapter 4. Which external accessory to add depends on your use of the computer.

- An external pointing device usually improves convenience and is almost essential if you are using any drawing packages.
- An external keyboard is more comfortable if you do a lot of typing.
- An external monitor is helpful if you will be viewing high-resolution graphics.

Preparing the computer

Prepare the computer as if you were taking it home.

Be sure that the battery in the computer is charged. Airport security frequently requires you to turn on your computer when bringing it to the gate area.

What to bring with you

Bring the following items with you.

- AC adapter
- Modular bay accessories that you might need
- Spare, fully-charged battery packs
- Additional printer driver files if you plan to use another printer
- The printed user's manual

Special Considerations

In addition to the guidelines for taking the computer home, follow these guidelines to protect your computer while traveling.

- Always take the computer as carry-on luggage
- Have the computer inspected by hand. Do not put the computer through a security X-ray machine or a metal detector.

Traveling Internationally with the Computer

Preparing the computer

Prepare the computer as you would normally prepare it for traveling.

What to bring with you

Bring the following items with you.

- AC adapter
- Power cords that are appropriate to the country to which you are traveling
- Modular bay accessories that you might need
- Spare, fully-charged battery packs
- Additional printer driver files if you plan to use another printer
- Proof of purchase, in case you need to show it to Customs officials
- The printed User's Manual

Special considerations

Follow the same special considerations as when traveling with the computer.

8
Care and Troubleshooting

Regularly take time to check your computer and clean the screen, keyboard, and case to ensure trouble-free computing. If you do experience a problem, use the troubleshooting guide in this chapter to help you correct it quickly.

Cleaning the Computer

Cleaning the case 8-2
Cleaning the screen 8-2

Troubleshooting Tips

Errors at startup 8-3
Keyboard 8-3
Battery 8-4
Docking 8-4
Accessories 8-4

Cleaning the Computer

Caution: Never use alcohol, benzene, thinner, or strong chemical agents that could damage the computer case. Never apply liquid directly to the computer, only to a clean cloth. Never spray cleaning fluid or any liquid directly onto the case or screen.

Cleaning the case

Keep the case of the computer free of dust. Apply a small amount of mild liquid cleaner to a dry, lint-free cloth, and wipe the case with the cloth.

Cleaning the screen

The surface of the screen is covered with a protective plastic film that may become smeared and accumulate dust during use. Avoid touching the screen with your fingers.

Clean the screen regularly by applying a small amount of diluted neutral detergent to a dry, lint-free cloth. Gently rub the surface of the screen with the cloth.

Errors at startup

Error	Corrective Action
Computer does not come on when power switch is in the on position.	• The battery may be low. Use the AC adapter and recharge the battery. • Ensure the AC adapter cable and power cord are securely connected. • Connect the AC adapter to another outlet.
Computer power is on but the screen is blank.	• Press **Fn-**↑ to increase screen brightness. • Press **Shift** to terminate Suspend mode. • The computer may be set to use the external monitor. Press **Fn-F12** to switch to the internal screen.
Save-to-disk file is too small	This message occurs when you add memory. Use the MS-DOS program PHDISK to increase the size of the save-to-disk file.
Save-to-disk file is missing	Use the MS-DOS program PHDISK to create a new save-to-disk file.
Swap file is missing	Use the MS-DOS program PHDISK to create a new swap file.

Keyboard

The special function keys do not work.	The application is overriding computer BIOS interrupts. Notify your application provider.

Troubleshooting Tips

Battery

Error	Corrective Action
Battery inserted, but LED's not lit.	Press **Battery Status** button.
Battery Status button pressed, but indicators not lit.	• Make sure AC adapter is plugged into computer and power outlet. • Insert a different battery. If problem is corrected, first battery is dead. If problem persists, battery charger is defective. Call service.

Docking

DockMate does not dock to the notebook.	Open the port covers on the computer.
Computer does not recognize DockMate.	Ensure that software has been properly loaded.

Accessories

Computer does not recognize the media device.	Check the configuration in Device Manager. Ensure the correct drivers are installed.
Computer does not recognize the accessory.	Check the configuration in Device Manager. Ensure the correct drivers are installed.
Error occurs when using new Ethernet PC card.	Change memory address to avoid conflict with video chip. (See *TravelMate Online Manual*.)

A
Where To Get Help

Technical assistance

Customer support for your computer is available 24 hours a day, 7 days a week. Please have your serial number ready when you call.

Phone (US / Canada)	(800) TI-TEXAS Option 3,2,2
Phone (International)	(817) 771-5856
Fax	(817) 774-6660
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World Wide Web

http://www.ti.com/notebook/index.html

Feedback on manuals

To comment on the manuals for your computer, send email to *feedback@clio.ppp.ti.com*

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Index

A

accessories
- 6X CD-ROM drive module 5-3
- errors 8-4
- external 4-4
- modular bay 3-7
- weight-reduction module 6-6

adjusting screen brightness 6-5
alarm, low battery 6-7

B

backing up operating system 2-4
batteries
- characteristics 6-2
- charging 6-4
- errors 8-4
- low-battery condition 6-7
- ordering 6-3
- prolonging life 6-6
- replacing 6-8
- safety 6-2
- turning off alarm 6-7

battery charger, external 6-4

C

CD-ROM drive module 5-3
Certificate of Authenticity 2-3
changing
- batteries 6-8
- modular bay modules 3-7, 3-8
- processor speed 6-5

charging batteries 6-4
cleaning
- computer case 8-2
- computer screen 8-2

computer
- adjusting to temperature changes 7-5, 7-6
- cleaning 8-2
- low-battery condition 6-7
- packing 7-5
- securing 4-15
- starting for the first time 2-2–2-7
- suspending operations 6-6
- taking home 7-5, 7-6
- traveling with 7-7

connecting
- DockMate 4-6
- external floppy disk drive 4-12
- external keyboard 4-7
- headphones 4-14
- Kensington lock 4-15
- microphone 4-14
- monitor 4-9
- mouse 4-8
- numeric keypad 4-11
- pointing device 4-8
- printer 4-13
- sound equipment 4-14
- speakers 4-14

contents of User's Guide 1-2

D

deleting
- demo program 2-9
- online manual 1-6, 1-7

demo program
- contents 2-8
- deleting 2-9
- running 2-8
- stopping 2-8

Index

DockMate Docking Solution
- advantages 4-5
- connecting computer 4-6
- connecting external monitor 4-9
- connecting keyboard 4-7
- connecting numeric keypad 4-11
- connecting pointing device 4-8
- connecting printer 4-13
- connecting sound equipment 4-14
- errors 8-4
- features 4-6
- what is needed to install 4-5

E

environmental considerations 4-3
errors
- accessories 8-4
- battery 8-4
- docking 8-4
- keyboard 8-3
- startup 8-3

Ethernet cards, configuring 3-10
external battery charger 6-4

F

floppy disk drive
- connecting external 4-12
- removing 6-6

H

hard disk drive, caching 6-5
headphones 4-14
home office 7-6

I

inactivity timeouts 6-6
indicators, battery 6-4
initial setup 2-2–2-7
installing
- memory modules 3-3–3-6
- modular bay accessories 3-7
- PC cards 3-9, 3-10
- printer 2-3
- printer driver 4-13

international travel 7-8

K

Kensington lock 4-15
keyboard
- connecting external 4-7
- errors 8-3
- removing 3-3, 3-4

L

loading software 5-3

M

maximum memory 3-3
meetings 7-4
memory
- installing modules 3-3–3-6
- maximum 3-3

microphone, external 4-14
modular bay
- accessories 3-7
- changing modules 3-7, 3-8

monitors
- connecting 4-9
- supported 4-10
- using 4-10

mouse, connecting 4-8

N

numeric keypad, connecting 4-11

O

online manual
- advantages 1-3
- deleting in Windows 95 1-6
- description 1-3
- other manuals 1-4
- printing from 1-5
- starting from WFW 1-5
- starting from Windows 95 1-5
- using 1-5

operating system
- backing up 2-4
- selecting 2-4

P

packing the computer 7-5
PC cards, installing 3-9, 3-10
pointing device
- connecting 4-8

printed manuals 1-2
printer 2-3
- connecting 4-13
- installing driver 4-13

processor speed, changing 6-5
protecting against static electricity 4-3

R

removing
- floppy disk drive 6-6
- keyboard 3-3, 3-4

running demo program 2-8

S

Safety Instructions 2-2
save-to-disk 6-8
screen
- adjusting brightness 6-5
- cleaning 8-2

screen resolution 5-4
securing computer 4-15
selecting
- operating system 2-4
- Windows 95 2-7
- Windows for Workgroups 2-6

setting up home office 7-6
software
- loading 5-3
- purchasing 5-2
- requirements 5-2
- special considerations 5-4
- using existing 5-2

sound equipment
- connecting 4-14
- types of 4-14

sound settings 5-4
speakers, external 4-14
standby mode 6-6
starting the computer for the first time 2-2–2-7
startup errors 8-3
static electricity, protecting against 4-3
stopping demo program 2-8
suspend mode 6-6
suspending to disk 6-8

T

timeouts, inactivity 6-6
traveling with computer 7-7
troubleshooting 8-3–8-4

U

User's Guide, contents 1-2

W

weight-reduction module 6-6
Windows 95, selecting 2-7
Windows for Workgroups, selecting 2-4, 2-6