



DockMate™ Plus
User's Guide

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DockMate™ Plus User's Guide
TI Part No. 9807705-0001
Original Issue: March 1996

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

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- Increase the separation between the equipment and the receiver
- Connect the equipment 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.

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Notice: Shielded Cables

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



Caution: Changes or modifications not expressly approved by Texas Instruments could void the user's authority, which is granted by the Federal Communications Commission, to operate this equipment.

Preface

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Introduction

This document discusses the Texas Instruments DockMate™ Plus. This is a low-cost, multi-port adapter for use with the TravelMate™ 5000 series notebook computers. When used with the notebook computer, external keyboard, mouse, and VGA™ monitor (not supplied with the system), the DockMate Plus turns your notebook into an ergonomic desktop workstation.

This manual tells you how to install, operate, and maintain your DockMate Plus.



Note: Also review the Quick Start document (TI Part No. 9786164-0001) prior to using your system for the first time.

This manual contains four chapters and two appendixes including:

- Chapter 1: Features** — Introduces the main features of your new DockMate Plus.
- Chapter 2: Installation** — Describes how to unpack your system, upgrade your software, dock your notebook, and connect external devices (keyboard, VGA monitor, external SCSI® devices, etc.).
- Chapter 3: Utilities** — Describes how to use TI Setup or SetDock utilities to configure your system.
- Chapter 4: Troubleshooting Procedures** — Provides operator-level troubleshooting procedures for solving problems that you may encounter when configuring and using the system.
- Appendix A: Reference Material** — Provides a list of related documentation.

Preface

- ❑ **Appendix B: Specifications** — Provides a list of system specifications for your DockMate Plus.
- ❑ **An Index** of important information contained in this manual.

Ordering Parts and Supplies

To order TI publications, option kits, spare parts, or supplies for your system, contact 1-800-TI-TEXAS or the Texas Instruments service center for your country.

Your DockMate Plus provides hardware and software expansion capabilities to TM5000 notebook computers. Using the DockMate Plus, your notebook is effectively turned into a desktop workstation with minimal configuration.

This Chapter Provides:

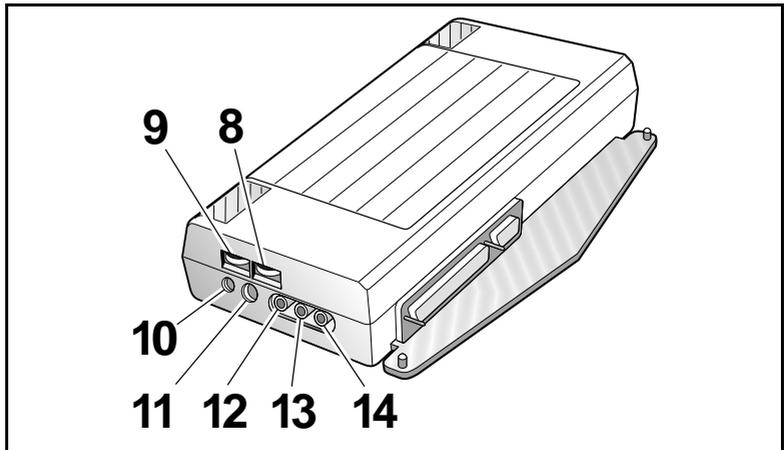
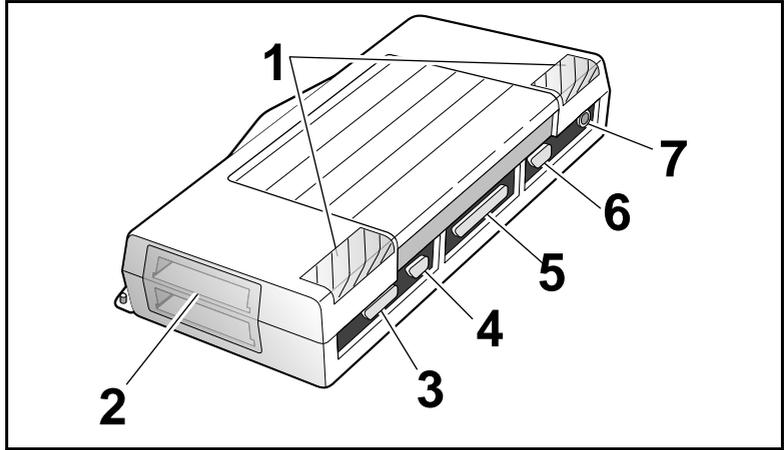
- A general overview of the system features

Features

The following table provides information about features of the DockMate Plus:

Feature	Description	Cross Reference
Speakers	Built-in power amplifier with internal speakers.	1
S-PCI Port (optional upgrade slot)	With the purchase of an S-PCI accessory kit, this slot can be upgraded to house a 32-bit S-PCI card. With an S-PCI card, you can extend the functionality of your computer to include networking.	2
50-Pin SCSI Port	Connects to up to seven external SCSI devices.	3
15-Pin VGA Port	Connects to an external VGA monitor.	4
25-Pin Parallel Port	Connects to a parallel printer or other device that uses a standard parallel interface.	5
9-Pin Serial Port	Connects to external devices such as a serial printer. 16550 UART.	6
PS/2® Port	Connects to PS/2 keyboard, external numeric keypad, or mouse.	7
Volume Control	Increases or decreases the speaker volume.	8
Balance	Distributes sound to left and right speakers.	9
DC-In	Connects to AC adapter (supplied with the DockMate Plus).	10
PS/2 Port	Connects to PS/2 keyboard, external numeric keypad, or mouse.	11
Audio In	Connects to miscellaneous sound input devices such as musical instruments, tape players, mixers, and microphones.	12
Audio Out	Connects to miscellaneous sound output devices such as audio headphones or external speakers.	13
External Microphone	Connects to external microphone.	14

Features



This Chapter Explains:

- How to unpack and inventory the system components
- How to upgrade your BIOS
- How to attach the notebook
- Hardware description of options and features

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Unpacking Instructions

The DockMate Plus Systems are shipped with the following hardware components:

- DockMate Plus
- DockMate Plus Documentation
 - DockMate Plus User's Guide* (this manual)
 - Warranty Card
 - License Agreement
 - Installation Poster
- AC adapter and power cord
- DockMate System Installation* diskette
- Adaptec® EZ-SCSI Lite* diskette for Windows® (provides drivers for Windows 3.x, Windows 95, or Windows NT).
- Adaptec 7800 Family Manager* (provides SCSI drivers for Netware®, OS/2™, Windows NT 3.1, and Windows 95 d1.21).

Unpack the DockMate Plus using the following instructions:

- 1.** Remove the DockMate Plus and all accessories from the shipping carton.
- 2.** Remove all protective coverings from the DockMate Plus and accessories, and inventory the contents. Save shipping container and packaging if shipping is required in the future.

Three software diskettes are provided with your DockMate Plus:

- ❑ *DockMate System Installation* diskette - updates the TravelMate BIOS software with the latest version that supports your DockMate. If your TravelMate has a newer version of BIOS than the one on the diskette, the program will not change the BIOS on your system.
- ❑ *Adaptec EZ-SCSI Lite* diskette for Windows (provides drivers for Windows 3.x, Windows 95, or Windows NT).
- ❑ *Adaptec 7800 Family Manager* (provides SCSI drivers for Netware, OS/2, Windows NT 3.1, and Windows 95 d1.21).

DockMate Software Installation

Upgrading Firmware

For your TM5000 Series computer to work correctly with the DockMate Plus, you must upgrade the BIOS (Basic Input/Output System) with new firmware (FLASH ROM).

To upgrade the BIOS, complete the following steps:

1. Turn off power to your notebook computer.
2. Ensure the system is undocked.
3. Place the DockMate Installation diskette into drive A.
4. Turn on power to your notebook computer.
5. Follow instructions on the screen.



Note: If your system BIOS is more current than the BIOS on the diskette, your system BIOS is not updated and you are taken to the MS-DOS prompt. If this is the case, take out the diskette and reboot.

When finished, your system is going to shut down. Slide the power switch to the off position and back to the on position. You are going to stop the machine before the process is complete. Refer to step 6.

6. During the reboot process you will hear a beep. Press **Ctrl-Alt-Esc**.

The TI Setup screen appears.

7. If you have previously changed the configuration of TI Setup for special hardware requirements, note the settings before continuing to the next step. Reload them later as required by your hardware.
8. Press **Esc-F5** to load factory defaults.

DockMate Software Installation

9. Press **Esc-F4** to save the configuration.

Your BIOS is upgraded. You must reset the configuration in TI Setup so that the DockMate Plus hardware is recognized.

10. Follow procedures in Chapter 3, *Using TI Setup*.

Installing SCSI Drivers

The following instructions show you how to install software to configure SCSI devices for your system.

Windows 95 or Windows NT

If you want to install Windows 95 or Windows NT on a new system, you may have trouble accessing your SCSI CD-ROM drive. To gain access to your CD-ROM drive, complete instructions for MS-DOS® installation, reboot your computer, and continue throughout the following steps:

1. Install Windows 95 or Windows NT version 3.51 or above and start your computer.
2. Insert the *SCSI Drivers* diskette into your floppy drive.
3. Select the **Start** button.
4. Select **Run**.
5. Type **A:\SETUP**.
6. Select **Ok**.
7. Follow the instructions on the screen.

Windows/Windows for Workgroups 3.1x

1. Install Windows 3.1x or Windows for Workgroups 3.1x and start it running on your computer.

DockMate Software Installation

2. Insert the SCSI Drivers diskette into your floppy drive.
3. Select **Run...** from the File menu in Program Manager.
4. When the Run dialog box appears, type **A:\SETUP**.
5. Select **Ok**.
6. Follow the instructions on the screen.

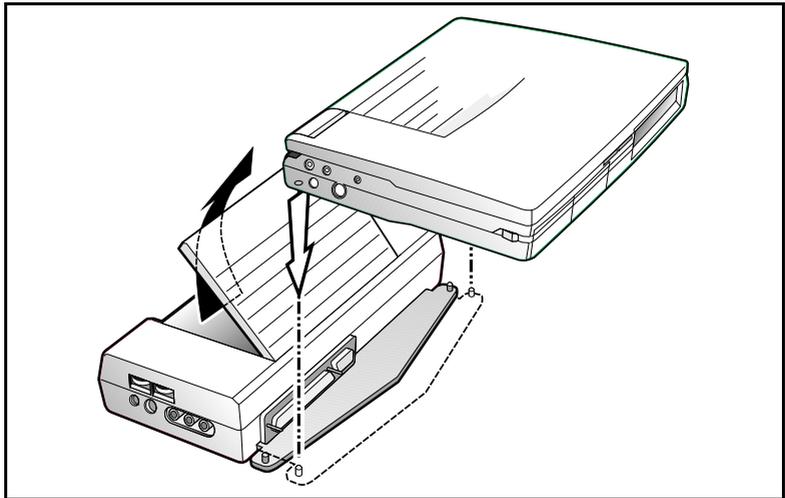
MS-DOS

1. Install MS-DOS 6.x or above and start it running on your computer.
2. Insert the *SCSI Drivers* diskette into your floppy drive.
3. At the DOS prompt, type **A:\DOSINST**.
4. Press **Enter**.
5. Follow the instructions on the screen.

Docking the Notebook

Use the following procedure to dock your notebook computer:

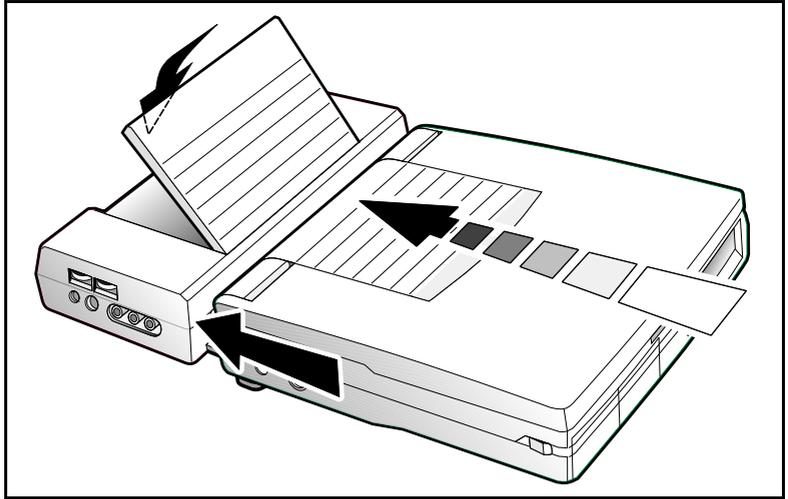
1. Clear an area on your workstation surface to permit both units to be flat on the table or desktop while performing the initial docking procedure.
2. Lift the lever on top of the DockMate Plus so that the guide pin plate is extended.
3. Carefully match the holes on the underside of the notebook with the guide pins protruding from the DockMate Plus.



Matching the guide pins

4. Press the lever on top of the DockMate Plus down so that the notebook fits snugly against it.

Docking the Notebook



Securing the notebook



Note: To undock the notebook, lift up the lever and lift the notebook off the docking pegs.

External SCSI Devices

Your DockMate Plus System has a built-in SCSI II controller (compatible with the Adaptec AHA-1522 SCSI host adapter ISA card) that allows you to install up to seven external SCSI devices.

The following are SCSI Bus features:

- SCSI Enabled
- Programmed I/O (PIO) mode
- 6360 high speed SCSI features enabled
- IRQ 9 selected for SCSI
- The SCSI devices not selected as a boot device
- DMA enabled

For most applications, the factory default settings are sufficient. Some of the SCSI features may be modified through installed software device drivers (see the online *Adaptec EZ-SCSI Online Reference Windows help application*).

To install the external SCSI devices, connect a SCSI cable from the SCSI device to the high density 50-pin SCSI connector located on the right rear side of your DockMate Plus System.



Note: For detailed installation information including SCSI termination requirements, refer to the installation manual supplied with your SCSI devices.

DockMate Plus Hardware

S-PCI Card

The PCI card slot houses a 32-bit S-PCI card. Cards are available from third party manufacturers or from Texas Instruments. If purchased from TI, a form-fitting S-PCI slot cover is included with the S-PCI card. S-PCI cards extend the hardware of your notebook to include networking.

To insert an S-PCI card, refer to the instructions that come with the S-PCI option kit. To order options, call 1-800-TI-TEXAS or the retailer nearest you and reference TI Part No. 9794582-0001.

Audio

The DockMate Plus comes with the following audio features:

- Audio In - allows you to plug in external audio sources such as:
 - Musical instruments
 - Tape players
 - Mixers
- Audio Out - allows you to output sound to external speakers
- External Microphone - allows you to input sound through an external microphone
- Volume Control - adjusts sound intensity
- Balance - distributes sound to left and right speakers
- Speakers - allows you to output stereo sound through internal speakers



Note: TI provides MIDI hardware only. Additional MIDI software and cables must be purchased for external sound sources.

PS/2 Ports

The DockMate Plus allows you to attach any of the following to the 6-pin PS/2 connectors on the system:

- external keyboard (side port)
- external PS/2 mouse (rear port)
- external numeric keypad (side or rear ports)

To install the external PS/2 option, connect a round PS/2 connector cable to the 6-pin circular connector on the side or rear of the DockMate Plus.

Serial Port

Your DockMate Plus is equipped with a 9-pin serial port with 16550 UART that can be attached to any external serial device such as:

- external modem
- serial printer
- any device that uses an RS-232 interface

DockMate Plus Hardware



Caution: Never connect a parallel device to a serial port, or a serial device to a parallel port or video port; this may cause damage to the DockMate Plus. If you are uncertain as to what type connector the external device has, refer to the technical manual for the external device.

Parallel Port

Your DockMate Plus is equipped with one DB25 (25-pin) bidirectional parallel port (device name LPT1). This port occupies address 0378h, and is designated as LPT1 (default value). Typically, the notebook computer always sends print data to LPT1 unless configured otherwise.

VGA Port

To install an external VGA monitor (optional), connect the VGA cable connector to the 15-pin connector on the rear of the DockMate Plus. The DockMate Plus supports the following external monitors:

- 1280 x 1024 with 256 colors on CRT (interlaced)
- 1024 x 768 with 256 colors on CRT
- 800 x 600 with 65 thousand colors on CRT



Note: TM5020SE models do not support the 1280 x 1024 mode.

AC Connection

To run your system on AC power, a TI AC adapter (supplied with the DockMate Plus) must be connected to the system. When docked, use the power connection at the DockMate (not the notebook) to power the system.

DockMate Plus Hardware

The DockMate Plus is designed to be powered by an AC adapter that is attached to the docked DockMate Plus.



Note: When docked, all system power on or off is controlled by the notebook's power switch.



Caution: Only a TM5000 AC adapter, TI part number 9786094-0003, can be connected to a docked DockMate Plus system. Using other AC adapters may cause overheating, fire, or explosion.

This chapter tells you about:

- Using DockMate utilities

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Introduction

TI provides two utilities that are copied to your system when you install software from the DockMate System Installation diskette:

- TI Setup - for use with Windows 95 and Windows for Workgroups
- SetDock - for use with MS-DOS

These utilities allow advanced users to configure special operating modes or parameters for hardware attached to the TravelMate notebook or the DockMate Plus.

Using TI Setup

TI Setup is copied onto your system at the time you install the DockMate Installation diskette. TI Setup is used to configure peripheral hardware attached through your DockMate Plus. TI Setup is used in either Windows or Windows 95 environments.

To configure peripherals for use with your system, complete the following steps:

1. Double-click on **TI Setup** in the Control Panel (Windows 95) or the TravelMate Notebook Center group (Windows for Workgroups).
2. Select the tab labelled **Ports-Dock A**.
3. Under Dock Type, use the pulldown menu (by selecting the ▼) and single-click on **DockMate Plus**.
4. Using configuration information provided with your peripheral device, change any required settings in this window.
5. Reboot your computer for changes to take effect.

Note: A **Ports-Dock B** tab (identical to the Ports-Dock A tab) is provided in case you have more than one type of DockMate system and want to maintain settings for both types. If both Ports Dock A and B are set to the same DockMate system, only Ports Dock A settings are used. The **Ports - Undocked** tab indicates settings for your TravelMate notebook when undocked from the DockMate.



Using the SetDock Utility

SetDock is copied onto your system at the time you install the *DockMate System Installation* diskette. The SetDock utility is used in the DOS environment only. Like TI Setup, it configures your system for use with peripheral devices. If you are using Windows or Windows 95, use TI Setup when you add or change peripherals.

Running SetDock

To run SetDock, type

UTILS\SETDOCK.EXE

at the MS-DOS c:\ prompt and press **Enter**. The SetDock main screen then appears on your monitor.

TravelMate 5000 Dock Setup Program Version 1.20 Dec 20 1995			
Dock Configuration 'A'		Page 1 of 2	
Dock Type: DockMate Plus			
Serial Ports		Dock Parallel Port	
Dock 9 Pin:	COM1	Address:	378h
Notebook SIR:	Off	Extended Mode:	Off
Dock SIR (if present):	Off		
COM3/COM4 Addresses:	3e8/2e8		
Select the type of docking station			
Esc=Exit F1= Help		↑↓ Field +/- Value PgUp/PgDn	

SETDOCK page 1 of 2

Note: A Dock Configuration B page (page 2 of 2) is provided in case you have more than one DockMate system and want to maintain settings for both. If both Dock Configurations A and B are set to the same DockMate system, only Ports Dock A settings are used.



Using the SetDock Utility

SetDock Key Functions

To use SetDock utility screens, the following keys are provided.

Key	Function
← →	Moves forward or backward through options available for the selected item
↑ ↓	Moves up or down through the list of fields
Tab	Moves down through the list of fields
Esc	Displays a screen with Exit options
F1	Provides help
+/-	Moves forward or backward through the values in the selected field
Spacebar	Moves forward through the values in the selected field
PgUp PgDn	Switches between Dock Configuration A and Dock Configuration B

Using the SetDock Utility

From these screens, the following options are available:

Item	Options	Description
Dock Type	None (default) DockMate DockMate Plus DockMate Plus DockMate Multimedia General Pn'P Dock	Allows you to select the type of docking station attached to your notebook. General Pn'P Dock provides auto setup for any operating system that supports true Plug 'N Play.
Dock 9-Pin	Off COM1 (default) COM2 COM3 COM4	Allows you to select the communications port for the attached docking station.
COM3/COM4	338/238 3e8/2e8 (default) 2e8/2e0 220/228	Allows you to select the address at which COM ports 3 and 4 operate.
Dock Parallel Port Address	Off 3BCh 378h (default) 278h	Allows you to select the address at which the parallel port operates.
Dock Parallel Port Extended Mode	Off (default) SPP EPP and SPP ECP ECP and EPP	Allows you to select the printer protocol for bidirectional printing.
Notebook SIR	Off (default) COM1 COM2	Sets the communication port assigned to the SIR port on the notebook when the notebook is connected to the DockMate Plus.
Dock SIR (if present)	Off (default) COM1 COM2	Sets the communication port assigned to the SIR port on the DockMate Plus when the notebook is connected to the DockMate Plus.

Using the SetDock Utility

Exiting SetDock

To leave the SetDock utility, complete the following steps:

1. Press **Esc**.
The Exiting Setup Menu appears.
2. Select one of the following options:

Key	Function
Esc	Returns you to the main screen
F4	Saves all changes, exits Setup, and reboots
F5	Loads default values for all pages. Use this setting to reload values if you have had problems during configuration. Press Esc-F4 afterward to save and exit.
F6	Aborts Setup without saving values

Troubleshooting Procedures

This Chapter Provides Guidelines for:

Helping you identify and correct common problems associated with installing and operating your DockMate System.

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Connecting Problems

Connecting problems can be the result of using the wrong type of notebook or an improperly docked notebook.

- 1.** Visually inspect the notebook and verify that the notebook is docked properly (refer to Chapter 2, *Docking the Notebook*).
- 2.** Visually inspect the connectors on the notebook to ensure there is no physical damage to the connector areas of the notebook.
- 3.** Ensure that you are using the correct AC adapter (TI Part No. 9786094-0003).
- 4.** Reboot your system and look for the Dock ID number during the boot process. If the Dock ID shows FF, you are not properly docked. If the Dock ID shows Q? you are properly docked.

Option Installation Problems

If your DockMate System problems began a short time after the installation of an optional device, you probably have a configuration problem. Use the following procedure to isolate the problem.

1. Refer to the associated manuals for the option devices (in particular refer to their troubleshooting procedures).

 **Note:** Most system problems occur as the result of incorrectly installing or configuring options onto the DockMate System (typically due to conflicting interrupts or DMA channel assignments). Repeat all steps of the installation according to the manufacturer's instructions and run the appropriate install program (for instance, EZ-SCSI for SCSI devices). If you are unable to determine what's wrong with the installation, call the help line for the manufacturer of the option device.

2. Carefully review the installation information supplied with the option and recheck the installation of all options. Then run the install programs to reconfigure the system. If this fails to solve the problem, call your service center for additional help.

Error Message Troubleshooting

If you're getting an error message on the VGA monitor, refer to Appendix D, *Diagnostics* in the online *TravelMate 5000 Series Notebook Computer User's Reference Guide* for a description of the error code messages.

Try disconnecting the notebook and running diagnostics to isolate the problem to either the notebook or the DockMate System.

Application Problems

Many applications include an Install program that prepares them to run on your particular hardware. The later IBM™-compatible applications are set up to run in the default VGA configuration of your computer. However, some programs are written specifically for certain non-VGA or non-EGA video hardware. This means that you may have to configure your system to act like the video board expected by the application.

This is done using the VGA utility supplied with your computer.

For MS-DOS and Windows for Workgroups users:

Type:

VGA.EXE

at a DOS prompt and press **Enter**.

For Windows 95 users:

Select the Display icon from the Control Panel.

Problems Not Identified by Diagnostics

If you're having keyboard, serial, or parallel problems, try disconnecting the DockMate System from the notebook and running diagnostics on the notebook alone to isolate the problem. This is a typical system problem that can be caused by hardware (notebook, or DockMate System), software, or one of the external devices/cabling.

If an external device (such as printer, or SCSI device) is failing and is not related to the installation process, check the following:

- 1.** Ensure that the device's I/O cable is the correct type for the port and is securely installed
- 2.** Ensure that the external device is powered up and properly connected to the rear of the DockMate Plus System and that the external device is properly configured (refer to Chapter 2, *Hardware Installation*).
- 3.** If you're experiencing a failure on one of the two serial ports, check to see that the serial ports are correctly configured to match the settings in the external device (baud rate, parity, number of data bits, and number of stop bits). If your application software does not initialize the serial ports, you must use the MS-DOS MODE command in your AUTOEXEC.BAT file (refer to your *MS-DOS User's Manual* for further instructions).

See README.TXT on the Installation diskette for additional troubleshooting techniques.

PCMCIA Card Recognition

On some TravelMate Pentium products, a PCMCIA Ethernet card error may occur after DockMate installation. If this happens, refer to the following sections (Windows 95, Windows 95 Commercial Upgrade, or Windows for Workgroups) depending on your operating environment.

Windows 95 (TI-Installed)

The following instructions should clear PCMCIA Ethernet card problems in a TI-installed Windows 95 environment.

Reconfigure TI Setup

1. Open the Windows Control Panel and select the **TI Setup** icon.
2. Select the **System Configuration** tab and set the parameter for PCMCIA I/O Addresses to Maximum.
3. Select the tab marked **Ports-Dock A**.
4. Select **DockMate Net Ready** for the Dock Type.
5. Select **Dock Parallel Port Extended Mode**.
6. Choose one of the following as the recommended settings for docking:
 - SPP is selected as **Standard Parallel Port**
 - ECP and EPP is selected as **Extended Parallel Port** (setting preferred for most users).
7. Select **Ok**.
8. Reboot and proceed to *Reconfigure System Information*.

Reconfigure System Information

1. Select the **System** icon in the Control Panel.
2. Select the **Device Manager** tab.

PCMCIA Card Recognition

3. Double-click on the **Ports (COM & LPT)** option.
A list of selections appears.
4. Double-click on **Communications Port (COM2)**.
The COM2 configuration is displayed.
5. Select the **General** tab.
6. Deselect **Dock 1 (Current)** located in the Device Usage area.
7. Select **Ok/Close** to close the Communications Port Properties window.
8. Select **Ok/Close** to close the System Properties window.
9. Select the **Start** icon at the bottom of your screen.
10. Select **Shutdown**.
11. Select **Restart the computer**.
12. Select **Yes**.

The notebook restarts and the error should be cleared.

Windows 95 (Commercial Upgrade)

This version of Windows 95 is not TI-installed. If you are running the Windows 95 commercial upgrade, these instructions should clear PCMCIA Ethernet card problems.

Reconfigure TI Setup

1. Open the Windows Control Panel and select the **TI Setup** icon.
2. Select the **System Configuration** tab and set the parameter for PCMCIA I/O Addresses to Maximum.
3. Select the **Dock A** tab.

PCMCIA Card Recognition

4. Select **DockMate Net Ready** as the Dock Type.
5. Select **Ok**.
You are prompted to reboot.
6. Reboot and proceed to *Reconfigure System Information*.
Windows 95 starts configuring unknown hardware (this may happen multiple times and is a standard operation for Plug 'n Play in Windows 95).

Reconfigure System Information

The following steps allow you to reconfigure system information for the Windows 95 Commercial Upgrade.

Checking Device Settings

1. Go to the **System** icon located in the Control Panel.
2. Select the **Device Manager** tab.
3. Select **Modem** from the Device Manager tab.
4. Select **Resources** after selecting the modem being used and ensure that the modem is set to IRQ 3 and an address 3e8.
5. Select **Resources** after selecting PCMCIA socket and verify that the PCMCIA socket is not turned off.

Remove Ports and Devices

1. Go to the **System** icon located in the Control Panel.
2. Select **Ports (COM & LPT)** from the Device Manager tab.
3. Select and remove all communications ports except COM1.
4. Select and remove all PCMCIA devices.
5. Remove PCMCIA hardware devices from the TravelMate notebook.

PCMCIA Card Recognition

6. Close the System Properties window and restart the system.

Update Device Usage

1. Go to the **System** icon located in the Control Panel.
2. Select **Ports (COM & LPT)** from the Device Manager tab.
3. Double-click on **Communication Port (COM2)**.
4. Select the **General** tab.
5. Deselect **Dock 1 (Current)** located in the Device Usage area.
6. Select **Ok**.

Reinstall Hardware

1. Reinstall all PCMCIA hardware devices one at a time.
Windows 95 should automatically configure software for each device.
2. Select the **Refresh** button on the System Properties screen and check and correct any conflicts.



Note: Conflicts are indicated by a yellow \triangle symbol where the device icon would normally be. Go to the Resources tab to see detailed information about the conflict.

Turn off Automatic Settings

1. Go to the **System** icon located in the Control Panel.
2. Select **Ports (COM & LPT)** from the Device Manager tab.
3. Double-click on the icon for each device you have added.
Configuration properties for the selected device appear.
4. Select **Resources**.

PCMCIA Card Recognition

5. Ensure that **Use automatic settings** is deselected.

Accept Configuration Changes

1. Select **Ok** to close the System Properties window.
2. Close the Control Panel.
3. Select the **Start** icon at the bottom of your screen.
4. Select **Shutdown**.
5. Select **Restart the computer**.
6. Select **Yes**.

The notebook restarts and the error should be cleared.

All Windows 95 Systems

If you are still experiencing PCMCIA recognition problems using a Windows 95 system, complete the following steps:

1. Open the Control Panel.
2. Select the **PC Card (PCMCIA)** icon.
3. Select the **Global Setting** tab.
4. Deselect **Automatic Settings**.
5. Change the Start field to 000C8000.
6. Change the End field to 007FFFFFFF.
7. Verify that the Length field is 00001000.
8. Select **Ok**.
9. Select **Yes** to restart.

Windows for Workgroups v3.11

If you are running Windows for Workgroups v3.11, the following instructions should clear problems with your PCMCIA card:

PCMCIA Card Recognition

1. Go to TI Setup (located in the TravelMate Notebook Center group) and select the **System Configuration** tab.
2. Ensure that the PCMCIA I/O is changed from Minimum to Maximum.
3. Press **Esc-F4** to save the configuration.
4. Select the **Ports-Dock A**.
5. Select the correct DockMate type for your DockMate (DockMate, DockMate Net Ready, DockMate Plus, DockMate Multimedia, etc.).
6. Select **Ok**.
You are prompted to reboot.
7. Reboot the computer.

Appendix A

Reference Material

Other Manuals About the System

The following documents provide additional information about the TM5000, DockMate Plus, software, and options:

Product	Manual	Part Number
TravelMate 5000	User's Manual	online
	Maintenance Manual	9794529-0001
Windows for Workgroups 3.11	User's Manual	online
Phoenix™ PCMCIA Drivers	User's Manual	online

Appendix B

DockMate Plus Specifications

Specifications for the DockMate Plus are provided in the following table:

DockMate Net Ready Specifications		
Specification	Type	Value
Physical Dimensions	Width	11.0 inches
	Depth	5.77 inches
	Height	2.48 inches
	Weight	1.84 lbs. without options
Power Adapter	Input	100 to 240 VAC
	Frequency	50 to 60 Hz
	Current	0.3 to 0.6 A
	Output	0.6 to 0.3 A 13 VDC Maximum of 36 Watts
Temperature	Operating	50 to 104 degrees F (10 to 40 degrees C)
	Storage/Transit	-4 to 140 degrees F (-20 to 60 degrees C)
Humidity	Operating	20 to 80 percent, non-condensing
	Non-Operating	10 to 90 percent, non-condensing
Altitude	Operating	-1,000 ft. to 10,000 ft.
	Non-Operating	-1,000 ft. to 10,000 ft.

Appendix B

DockMate Plus Specifications		
Specification	Type	Value
Shock	Operating	6 G applied in six orientations (pos. and neg. X, Y, and Z axes)
	Non-Operating	35 G in X, Y, and Z axes
Vibration	Operating	0.5 G, 5 to 500 Hz
	Non-Operating	0.5 G, 5 to 500 Hz
Agency Approvals	<p>Underwriter's Laboratory (UL) Standard 1950 (safety)</p> <p>Canadian UL listed C22.2 No. 950 (safety)</p> <p>EN60950, TUV Rheinland (safety)</p> <p>FCC CFR 47, Part 15, Subpart B, FCC Level B (RFI/EMI) Compliant</p> <p>Canadian Department of Communications (DOC) Compliant (RFI/EMI)</p> <p>CISPR-22/EN55022 Class B (RFI/EMI) Compliant</p>	

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