

Texas Instruments TravelMate 5300 Series Notebook Computers Release Notes

The TM5300 is the latest model in the TravelMate 5000 Series of notebook computers. The TM5300 incorporates hardware enhancements for faster performance and new software to improve usability. This document is an addendum to the *TravelMate 5000 Series Notebook Computers User's Reference Guide* and describes the new hardware and software. This document includes a procedure to configure an Ethernet PC card (PCMCIA) and an addition to the *RAM Expansion* section in said guide. It also includes known minor software problems and workarounds when applicable.

New Hardware

The following new hardware features provide state-of-the-art, desktop-level performance in your TM5300:

- Pentium 133-MHz processor
- 33-MHz expansion PCI bus
- 66-MHz system bus speed
- 8 or 16 MB of 60-ns DRAM
- 1.2 or 2.1 Gigabyte hard disk drive

New Software

The TM5300 features the software utility, Select Microphone, which is a utility for Windows 95 that allows you to enable/disable the internal microphone and speaker in your computer.

Requirements: Select Microphone is designed for use only on Windows 95-based TM5000 Series notebook computers.

Installation: The Select Microphone utility comes pre-installed on your computer. However, if you need to reinstall it later, provided you made a back up copy of *selecmic.exe* in the *c:\utils* directory, follow these steps:

- 1) Open Windows Explorer.
- 2) Copy *selecmic.exe* from your backup diskette to the *c:\utils* directory.
- 3) Create a shortcut to *selecmic.exe* and place it in the Start Up group.
- 4) Restart Windows.

Startup: The Select Microphone has a shortcut to the Start Up group and is activated every time Windows 95 is started.

Operation: Once the program is started, a microphone icon appears on the Taskbar. When the cursor is positioned over the icon, the tooltip displays the text: *Select Microphone*.

When you click with the left mouse button over the microphone icon on the Taskbar, a dialog box appears. This dialog box allows you to select from the following choices::

- Internal Mic/Speaker
- Set as Default Setting

The changes are immediately applied to the hardware and you do not need to restart Windows. If you select **Set as Default Setting**, the settings are saved in CMOS memory.

If you Have Trouble Configuring Ethernet PC Cards

To use Ethernet PC cards (PCMCIA) on your TM5300, you may need to make the following changes to avoid memory address conflicts. The purpose is to avoid using the 000C 0000h-000D 0FFFh range, which is used by the video card.

If you are using Windows 95:

- 1) With Windows 95 running, insert the Ethernet PC card.
Windows 95 will identify the card inserted. You are prompted to provide a diskette with driver, unless Windows 95 already has a driver for this card.
- 2) Insert the diskette with the driver for your PC card if prompted.
- 3) Enter Computer and Workgroup information when prompted.
- 4) If you are prompted to insert disk 2, enter **c:\windows\options\cabs**.
- 5) If you used a diskette, remove it and restart Windows 95 when prompted.
- 6) Double-click on the **My Computer**, **Control Panel**, and **System** icons.
- 7) Click on the **Device Manager** tab.
- 8) Double-click on **Network Adapter**.
- 9) Double-click on the name of your Ethernet PC card.
- 10) Click on the **Resource** tab.
- 11) Click on **Set Configuration Manually**, only if this button is displayed.
- 12) Click on each **Resource type**, then click on **Change Setting** and using the **Up** and **Down** arrows change your settings to:
I/O Range: 0300-031F
Interrupt Request: 10
Memory Range: 000D 2000-000D 2FFF (and 000D 4000-000D 7FFF, if two exclusions are needed)
- 13) Verify that the system.ini file does not contain an EmmExclude statement.
If it does, remove it. This applies to any PC card used under Windows 95.

Note: These settings should work for most Ethernet PC cards. You could try other memory range values, except those in the C range.

If you are using Windows for Workgroups v3.11:

- 1) Plug in the PC card with the computer powered off.
- 2) Start Windows with PCMCIA Support (Choice 2).
- 3) Double-click on **Network Setup** in the Network Group.
- 4) Click on **Networks**.
- 5) Click on **Install Microsoft Windows Network**, OK.
- 6) Click on **Drivers**.
- 7) Click on **Add Adapter**.
- 8) Click on **Unlisted or Updated Network Adapter**, OK.
- 9) Insert the diskette with your PC card drivers when prompted, click on **OK**.

- 10) Click on **OK** when you see your Ethernet PC card type displayed.
- 11) Click on **Setup**.
- 12) Change the IRQ to 10 and verify that the I/O port is set to 0x300.
- 13) Click on **OK**, **Close**, and **OK**.
- 14) Enter Username, Workgroup, and Computer name when prompted and click on **OK**.
- 15) Select **Yes to All**.
- 16) When prompted for Windows diskettes, change path to **c:\windows** and click on **OK**. Repeat for every diskette prompt. Click on **OK** twice.
When this process is complete, you are prompted to restart or continue.
- 17) Choose **Continue**; exit Windows, and enter: **cd** at the c:> prompt.

Next, you need to edit your *config.sys* and *autoexec.bat* files, plus three Windows configuration files. Use the MS-DOS editor for the following steps.

- 1) Enter **edit config.sys**
Under the title *==Stop at DOS with PC Card Support==*, find the line:
device c:\dos\emm386.exe noems x=D800-D8FF
change x to: D800-DCFF
Under the title *==Windows for Workgroups with PC Card Support==*, make the same change. Save and exit.
- 2) Enter **edit autoexec.bat**
Under the titles *==Same thing with pc card support==*, and *==Load WFW with Network enabled==*, find the line:
rem LH /L:1 C:\windows\net start
Delete the letters *rem* on each. Save and exit.
- 3) Enter **cd\pcm320**
- 4) Enter **edit pcm.ini**
Under [WINPC] and [DOSPC], find the line:
EmmExclude=XXXX-XXXX
Change the address on each to D800-DCFF. Save and exit.
- 5) Enter **cd\windows**
- 6) Enter **edit system.ini**
Under [386Enh], find the line:
EmmExclude=D800-D8FF
Change the address to D800-DCFF. Save and exit.
- 7) Enter **edit protocol.ini**
Under [IBM_ECC], find the line:
RAMADDRESS=0xD4000
Change the address to 0xD9000. Save and exit.
- 8) Remove the floppy and reboot.

Windows 95 and Windows for Workgroups v3.11

Note: In case of trouble, it could be helpful to change the address range setting of your PC card to *Maximum*.

RAM Expansion

To upgrade memory, refer to Chapter 9 in the *TravelMate 5000 User's Reference Guide* for procedures and precautions to follow. TM5300 models that come with 16 MB of DRAM have a piggy-back 8-MB module plugged into an unpopulated memory board. If you upgrade memory on this model to either 24 MB or 32 MB, save the piggy-back module and discard the unpopulated board. Plug the 8-MB piggy-back module into your new populated memory board (8 MB or 16 MB) before installation. Beware that memory boards not supplied by TI may not have the piggy-back connector.

Known Minor Software Problems

The following are known minor software problems with workarounds when applicable.

Controls and Indicators

The following key sequences were designed to operate **only** under DOS and Windows for Workgroups, but not in Windows 95:

Ctrl-Alt-D and Ctrl-Alt-U to decrease or raise the volume.

Ctrl-Alt-Arrow Dn and Ctrl-Alt-Arrow Up to decrease or raise the CPU speed.

TranXit (WFW Only)

When installing TranXit from the maintenance diskettes, TravelMate 5300 is not available as a selection. The workaround is to select **Generic**.

Downgrading from Windows 95 to WFW

When downgrading from Windows 95 to Windows for Workgroups, the COM2 address and IRQ will both be set to **Default**. If you had chosen values for COM2 different from the default (2F8 and 3, respectively), restore these values as follows:

- 1) Open the Control Panel.
- 2) Double-click on **Ports**.
- 3) Double-click on **COM2**.
- 4) Double-click on **Advanced**.
- 5) Set the appropriate values for Base I/O Address and IRQ Line.
- 6) Click **OK, OK, Close**.
- 7) Close the Control Panel.

