



Part Number: 11L0413

ThinkPad 380XD or 385XD User's Guide Supplement

Thank you for selecting an IBM ThinkPad 380XD or 385XD computer!

This publication contains information for your ThinkPad computer, and updates the *IBM ThinkPad 380XD or 385XD User's Guide*. Read this supplement with the *IBM ThinkPad 380XD or 385XD User's Guide*, or with the *IBM ThinkPad 380XD or 385XD Online Book*, which is preinstalled on the hard disk in your computer.

This supplement is organized as follows:

Additional Information for the User's Guide

- “Using the Security Screw” on page 1
- “ThinkPad Configuration Program” on page 2
- “Considerations for the Battery Pack and Memory” on page 3
- “Consideration for Using the Power Management Modes” on page 3
- “Solving Computer Problems” on page 4

Additional Information for the Online Book

- “Installing the Audio Device Driver” on page 5
- “Installing the Infrared Software for Windows 95” on page 7
- “Installing the ThinkPad Configuration Program for Windows NT” on page 7
- “Using PS2 Commands” on page 8

Features and Specifications

First Edition (April 1998)

The following paragraph does not apply to the United Kingdom or any country where such provisions are inconsistent with local law:

INTERNATIONAL BUSINESS MACHINES CORPORATION PROVIDES THIS PUBLICATION "AS IS" WITHOUT ANY WARRANTY OF ANY KIND, EITHER EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE LIMITED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. Some states do not allow disclaimers of express or implied warranties in certain transactions; therefore, this statement may not apply to you.

This publication could include technical inaccuracies or typographical errors. Changes are periodically made to the information herein; these changes will be incorporated in new editions of the publication. IBM may make improvements or changes in the products or the programs described in this publication at any time.

Requests for technical information about IBM products should be made to your IBM Authorized Dealer or your IBM Marketing Representative.

Copyright International Business Machines Corporation 1998. All rights reserved. Note to U.S. Government Users – Documentation related to restricted rights – Use, duplication, or disclosure is subject to restrictions set forth in GSA ADP Schedule Contract with IBM Corp.

Additional Information for the User's Guide

This section provides updated and new information for the *IBM ThinkPad 380XD or 385XD User's Guide*. Read this section with the *User's Guide*.

Using the Security Screw

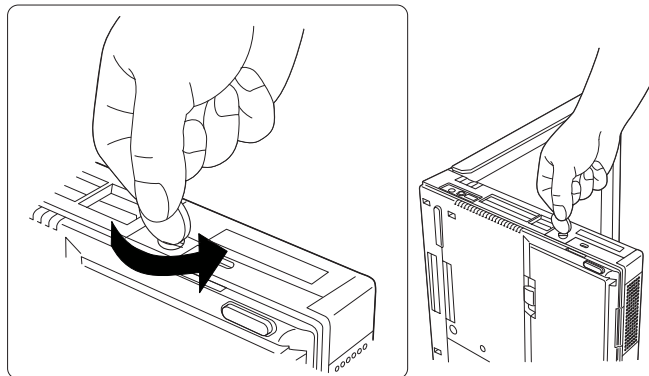
You can use the security screw shipped with your computer to prevent the hard disk drive from being removed easily.



Security screw

To replace the coin screw with the security screw, do as follows:

- 1** Power off the computer; then disconnect the AC Adapter and all cables from the computer.
- 2** Open the LCD; then stand the computer on its side, and remove the screw with a coin.



- 3** Install the security screw and tighten it with a 2.5-mm allen wrench.
- 4** Turn the computer back to its ordinary position. Connect the AC Adapter; then power on the computer.

ThinkPad Configuration Program

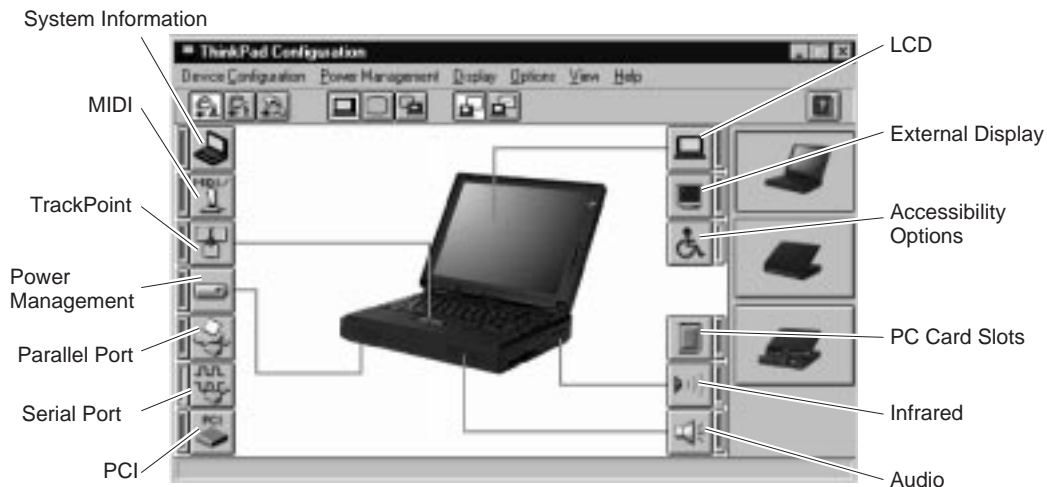
Your computer features a new window design for the ThinkPad Configuration program for Windows 95. The function of the ThinkPad Configuration program has not changed (see the *User's Guide* for more information).

To start the ThinkPad Configuration program, find the ThinkPad icon on the right side of the taskbar; then double-click on the icon.

Note: You can also start the ThinkPad Configuration program as follows:

- 1 Click on **Start**.
- 2 Move the cursor on **Programs** and **ThinkPad**; then click on **ThinkPad Configuration**.

The following window appears:



The window design for Windows NT, Windows 3.11, and OS/2 has not changed.

Considerations for the Battery Pack and Memory

Battery Consideration

You cannot use the battery pack of the ThinkPad 380, 380D, 385D, 380E, 380ED, or 385ED computer.

You cannot use the battery pack with a non-Intel Pentium II model of the ThinkPad 380XD, or 385XD computer.

You cannot use the ThinkPad 380/385 battery option (part number 73H9797) for your computer.

Memory Consideration

The Intel Pentium II model of the ThinkPad 380XD or 385XD computer supports the 60-ns extended data output dynamic random access memory (EDO DRAM) card only. It does not support the 70-ns EDO DRAM card or the synchronous dynamic random access memory (SDRAM) card.

Consideration for Using the Power Management Modes

At the time of purchase, your computer is set to autostart the CD-ROM drive. Windows 95 periodically accesses the CD-ROM drive to start programs on a CD-ROM.

Consider the following:

Your computer might not enter suspend mode or hibernation mode after the end of a timeout period that was specified in the ThinkPad Configuration program.

The battery operating time might be short, even if you are not using the CD-ROM drive frequently.

To change the properties of the CD-ROM drive, do the following:

- 1** Click on **Start** and move the cursor to **Settings** and **Control Panel**. Then click on **Control Panel**.
- 2** Double-click on **System**.
- 3** Click on the **Device Manager** tab and double-click on **CD-ROM**.

- 4 Click on the CD-ROM drive name under the **CD-ROM**; then click on **Properties**.
- 5 Click on the **Settings** tab and remove the check mark from the **Auto insert notification** check box in **Options** by clicking on it.
- 6 Click on **OK**, and restart the computer.

Solving Computer Problems

The following is additional information for the corresponding sections of the troubleshooting chapter of the *User's Guide*:

Error Codes or Messages

Message	Action
192 (cooling fan error)	Have the computer serviced.

Other Problems

Problem	Cause or Action
The ThinkPad Configuration window does not appear correctly in the Windows NT environment.	Uninstall Active Desktop if Internet Explorer Version 4.0 is installed. —Or— Close the ThinkPad Configuration window and restart it. (This solves the problem temporarily.)

Additional Information for the Online Book

This section provides updated information for the *Online Book*. Read this section with the *Online Book*.

Installing the Audio Device Driver

If you are installing the audio device driver, read this section instead of corresponding information in the online book.

For Windows 95

To install the audio support software for Windows 95:

- 1** Start Windows 95.
- 2** Insert the Audio Features Diskette for Windows 95 into the diskette drive.
- 3** Click on **Start**.
- 4** Click on **Run....**
- 5** Type `A:\UNINSTAL` and click on **Uninstall Crystal Drivers**.
- 6** Click on **Shut Down**.

Follow the instructions on the screen.

- 7** When you are prompted to restart the computer, remove any diskette from the diskette drive and restart the computer.

The setup program removes the previous driver if there is one, and prepares for the new registration. After you restart your computer, you see the message "Windows 95 found an unknown device." Insert the Audio Features Diskette for Windows 95, and follow the instructions on the screen.

- 8** When the computer prompts you to install the manufacturer's diskette during the startup of Windows 95, insert the Audio Features Diskette for Windows 95 into the diskette drive.

Follow the instructions on the screen.

You have finished installing the audio driver.

The MIDI serial port connector is available if the computer is attached to the docking station (option). The MIDI port capability is **disabled** as a default, so you need to **enable** the function with the ThinkPad Configuration program.

After you enable the MIDI port capability, you are prompted to insert the manufacturer's diskette to install support software for the function. Insert the Audio Support Diskette for Windows 95 into the **A** drive.

For Windows NT

To install the audio device driver for Windows NT:

- 1** Double-click on **Multimedia** in the **Control Panel**. The "Multimedia Properties" window appears.
- 2** Click on the **Devices** tab and then on the **Add** button.
- 3** Select **Unlisted** or **Updated Driver**.
- 4** Insert the Audio Features Diskette for Windows NT into the diskette drive. A window appears, prompting for the path of the drivers to be installed.
- 5** Enter **A:**
The audio driver is displayed on the window.
- 6** Select the audio driver and click on **OK**. When the installation program prompts you for existing files or new files, select **new**.
- 7** Press **OK** in the "CrystalWare Configuration" panel. When the installation program prompts you, restart Windows NT to make the change effective.

You have finished installing the audio driver.

Installing the Infrared Software for Windows 95

The infrared device driver for Windows 95 is included in the application **TranXit for Windows**.

To install TranXit for Windows 95:

- 1** Start Windows 95.
- 2** Insert the TranXit for Windows diskette into the diskette drive.
- 3** Click on **Start**.
- 4** Click on **Run....**
- 5** Type `A:\SETUP` and press **Enter**.
- 6** Follow the instructions on the screen.

For more information, read the README file packaged with **TranXit for Windows**.

Note: You might need to enable the infrared device before using it. The infrared device might be disabled as a default system setting. Make sure that no resource conflict exists after enabling the infrared device.

Installing the ThinkPad Configuration Program for Windows NT

To install the ThinkPad Configuration program for Windows NT:

- 1** Start Windows NT and log on with the user ID authorized as an administrator.
- 2** Click on **Start** and **Run**.
- 3** Insert the Utility Diskette for Windows NT into the diskette drive.
- 4** Type `A:\SETUP` and press **Enter**.
Follow the instructions on the screen.

Using PS2 Commands

Use the following PS2 commands instead of the corresponding command in the online book:

Set the features for the audio chip:

AU dio	Enable Disable ADD ress DMA IRQ SB address	— 530 604 E80 F40 0 1 3 5 7 9 10 11 15 220 240 260 280
---------------	--	--

Set the resume timer:

Note: yyyy can be set from 1995 to 2093.

ON	[yyyy/MM/DD] HH:MM:SS Clear	—
-----------	----------------------------------	---

Enter the RediSafe suspend mode:

SA fe	Enable Disable	—
--------------	------------------	---

Set the CD-ROM speed

Note: The default is Normal.

CDS peed	High Normal Silent DEFAULT	—
-----------------	--	---

Features and Specifications

This section describes features and specifications for the IBM ThinkPad 380XD or 385XD computer.

Features

<i>Model</i> →	380XD		385XD
<i>Component</i> ↓	12.1-inch HPA Model	12.1-inch TFT Model	12.1-inch HPA Model
Microprocessor	Intel Pentium II 233 MHz	Intel Pentium II 266 MHz	
Memory (base and maximum)	32 MB and 96 MB		
Hard disk drive	4.0 GB	5.1 GB	3.2 GB
CD-ROM drive	10X–24X		
Diskette drive	1.44 MB 3-mode		
Display	12.1-inch SVGA HPA, up to 16M colors	12.1-inch SVGA TFT, up to 16M colors	12.1-inch SVGA HPA, up to 16M colors
Audio	CS4237B		
Infrared ports	4 Mbps		
Universal serial bus	Yes		
CardBus/ZV	Yes/Yes		
Pointing device	TrackPoint III		
Battery	Lithium-ion		
AC Adapter	56 W		

Specifications

Size

Width: 300 mm (11.8 in.)

Depth: 233 mm (9.2 in.)

Height: 62 mm (2.4 in.)

Weight

Minimum configuration with battery pack: 3.3 kg (7.2 lb)

Environment

Temperature (at altitudes less than 2438 m [8000 ft]):

- Operating with no diskette: 5° to 35°C (41° to 95°F)
- Operating with a diskette: 10° to 35°C (50° to 95°F)
- Nonoperating: 5° to 43°C (41° to 109°F)

Relative humidity:

- Operating with no diskette in the drive: 8% to 95%
- Operating with a diskette in the drive: 8% to 80%

Maximum altitude: 3048 m (10,000 ft) in unpressurized conditions

- Maximum temperature at 3048 m (10,000 ft): 31.3°C (88° F)

Heat output

56 W (191 BTUs/hour) maximum

Electrical (AC Adapter)

Sine-wave input, at 50 to 60 Hz

The input rating of the AC Adapter: 100–240 V ac, 50/60 Hz

Lithium-ion battery pack

Nominal voltage: 10.8 V dc

Capacity: 3.2 AH

Note:

When you charge the battery pack, its temperature must be at least 10°C (50°F).



Printed in U.S.A.

References in this
publication to IBM
products or services do not
imply that IBM intends
to make them available
outside the United States