

Rapid Access III USB Keyboard

User's Guide

OPTIONS
by IBM

Note: Before using this information and the product it supports, read the information under Appendix C, “Product warranties and notices” on page C-1.

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About this book

This manual contains instructions for installing and using your Rapid Access III USB Keyboard. The manual is divided into two parts:

Part 1: Installation and user's guide:

This guide contains the product description, hardware and software installation in the following languages:

- English
- French
- Spanish
- Italian
- Brazilian Portuguese
- Traditional Chinese
- Japanese

Part 2: Appendixes

This section contains problem solving, help and service information, and warranty and notices.

Registering your option

Thank you for purchasing OPTIONS by IBM®. Please take a few moments to register your product and provide us with information that will help IBM to better serve you in the future. Your feedback is valuable to us in developing products and services that are important to you, as well as in developing better ways to communicate with you. Register your option on the IBM Web site at

<http://www.ibm.com/pc/register>

IBM will send you information and updates on your registered product unless you indicate on the Web site questionnaire that you do not want to receive further information.

Installation and user's guide

This guide contains a product description, hardware and software installation instructions, and product use and maintenance information. For information on solving problems, see Appendix A. Problem solving. For additional information on using this product, visit the IBM Healthy Computing Web site at:

- <http://www.ibm.com/pc/healthycomputing>

Product description

The Rapid Access III USB Keyboard works with IBM and ISA-standard computers, and is supported by Microsoft® Windows 98®, Windows 2000 Professional and Windows Millennium Edition (Me).

The keyboard has 16 Rapid Access Buttons that provide quick access to your most commonly used tasks. There are two buttons for navigating through Web pages, six buttons for multimedia control, and eight color-coded buttons, one of which is preset to a useful Web site. You can use the included Rapid Access III USB Keyboard software to customize six of the eight color-coded buttons to access a selected file, program, or Web site.

In addition to this book, this option package contains:

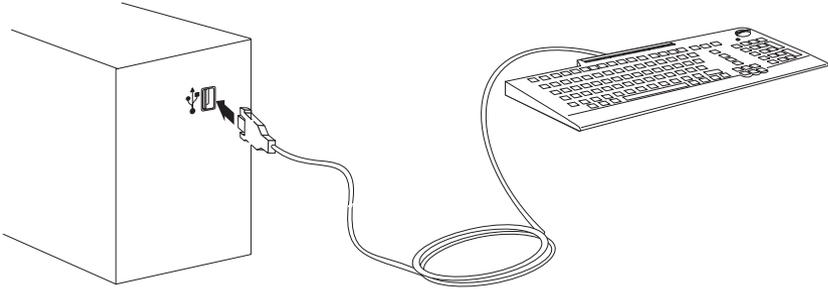
- Rapid Access III USB Keyboard with an attached cable (USB connector)
- The Rapid Access III USB Keyboard CD with customization software and online publication
- Optional palm rest for the keyboard
- Warranty publication

Connecting the keyboard to your computer

This section provides information on connecting the keyboard.

Connecting the keyboard to a USB port

To connect your keyboard to a computer USB port, attach the keyboard connector to the computer USB port, as shown.



Installing the USB hardware device

To install the USB device, do the following:

1. After you have connected the keyboard, it will automatically be detected by your operating system. The **Add New Hardware** window may appear. If so, follow the on-screen instructions.
2. After the USB device has been installed, go onto installing the software.

Installing the Rapid Access III USB Keyboard software

To install the Rapid Access III USB Keyboard software, insert the Rapid Access III USB Keyboard CD into your CD-ROM or DVD-ROM drive. The Rapid Access Keyboard Installation window opens. Follow the instructions on your screen to complete the installation. If the installation software does not open automatically, do the following:

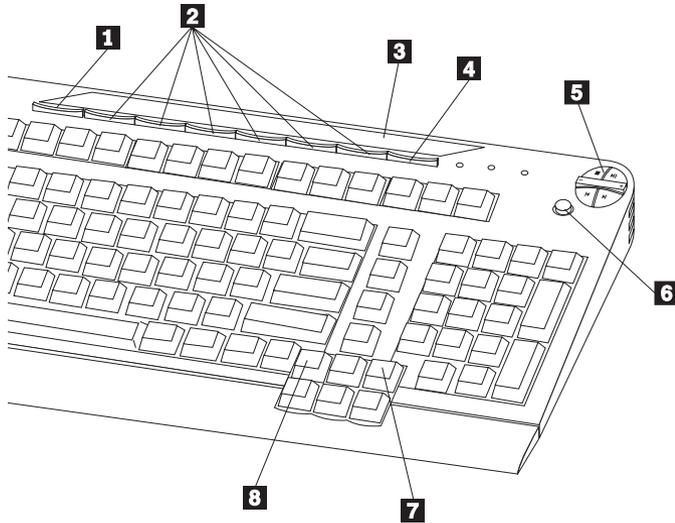
1. Click **Start --> Settings --> Control Panel**.
2. Double-click **Add/Remove Programs**.
3. Follow the instructions on your screen to complete the installation.
4. Restart Windows.

Note: When you have restarted Windows, a 301 error message might appear on your screen. Disregard this error message; it occurs automatically when there is no keyboard plugged into the PS/2 keyboard port.

5. The Rapid Access icon should appear in the desktop tray and in the Control Panel.

Using the Rapid Access Buttons

This section contains information on using the Rapid Access Buttons.



The keyboard in the illustration has the following button features:

- An **Email** button **1**, **Standby** button **4**, and six buttons **2** that you can customize to access a file, program, or Web site.

Note: With some email services, the Light Emitting Diode (LED) to the left of the button will light up when you have new mail.

- A plastic cover **3** that holds the button label.
- Multimedia control buttons **5** that you can use to control playback and adjust volume on audio CDs and some DVDs.
- A Mute button **6** that you can use to mute audio playback.
- A button **7** that navigates forward through Web pages in an Internet browser.
- A button **8** that navigates backward through Web pages in an Internet browser.

Customizing the Rapid Access Buttons

The first time you press one of the customizable buttons, a window opens and prompts you to follow the on-screen instructions to customize the buttons. You can customize each of the six multi-colored buttons for use as a shortcut to a computer program, a file, or a Web site.

To change the customization of your Rapid Access buttons at a later time, open the customization window using the following procedure:

1. Click **Start --> Settings --> Control Panel** or click the icon in the desktop tray.
2. Double-click **Keyboard (Rapid Access)** to open the Rapid Access Keyboard Customization window. If a program has already been assigned to a button, the program name appears in the label area above that button on the screen. If a program has not been assigned to a button, the label area above the button will be blank.
3. Click the button you want to customize.
4. Click one of the following options:
 - View all programs
 - View all files
 - Enter Internet address
5. If you clicked **View all programs** or **View all files**, click the desired program or file. If you clicked **Enter Internet address**, type the Internet address of a Web site into the field.

Note: If you enter a Web site address into the field, you can verify that it is correct by clicking **Test**. You must be connected to an Internet Service Provider or an Intranet to use the Test function.

The name of the selected program, file, or Web site appears in the label box. You can edit the information in the label field.

6. Click **Apply**. The information for your selection appears in the label area above the button.
7. To customize another button, repeat the steps above. If you have completed customizing the buttons, click **OK**.

After you have customized a button, you can use the Rapid Access III USB Keyboard software to create a new button label.

Labeling the Rapid Access Buttons

You might want to change the button label at the top of the keyboard if you have changed the file, program, or Web site assigned to a customizable button. When you use the Rapid Access Keyboard Customization window to change a button assignment, the software automatically creates a new button label.

To print the new button label, do the following:

1. Be sure paper is in the printer, and the printer is turned on.
2. Follow steps 1 and 2 in Customizing the Rapid Access Buttons on page 1-4 to open the Rapid Access Keyboard Customization window.
3. Click **Print Label...** to open the Rapid Access Keyboard Print Label window.
4. Select the check box for **black text on a white background** or the check box for **white text on a black background**.
5. Click **Print**.
6. Select the correct printer in the Print window and click **OK**.
7. When the label has been printed, review the label information; then cut the label to the correct size.

Note: You do not need to remove the clear plastic cover at the top of the keyboard when you replace a label.

To replace the button label at the top of the keyboard, do the following:

1. Grasp the middle of the old label near the cover indent and slide the old label out from under the clear plastic cover.
2. Slide the new printed label under the clear plastic cover. You might need to trim the edges of the label so that it fits under the cover.

Customizing the on-screen display

The Rapid Access Keyboard comes with the on-screen display setting enabled. When the on-screen display is enabled, the name of a function or program assigned to a Rapid Access Button briefly displays on the screen when you press the button.

You can use the Rapid Access Keyboard software to make changes to the on-screen display, and to disable or enable the display.

Changing the on-screen display

To change the font, the font size, or the font color used in the on-screen display, do the following:

1. Follow steps 1 and 2 in Customizing the Rapid Access Buttons on page 1-4 to open the Rapid Access Keyboard Customization window.
2. Click **Preferences** to open the Rapid Access Preferences window.
3. Click **Font**.
4. In the Font dialog box, select the preferred settings then click **OK**.
5. Click **OK**.
6. Click **OK** to exit the program.

Disabling the on-screen display

To disable the on-screen display, do the following:

1. Follow steps 1 and 2 in Customizing the Rapid Access Buttons on page 1-4 to open the Rapid Access Keyboard Customization window.
2. Click **Preferences** to open the Rapid Access Keyboard Preferences window.
3. Click **Disable on-screen display**.
4. Click **OK**.
5. Click **OK** to exit the program.

Enabling the on-screen display

To enable the on-screen display, do the following:

1. Follow steps 1 and 2 in Customizing the Rapid Access Buttons on page 1-4 to open the Rapid Access Keyboard Customization window.
2. Click **Preferences** to open the Rapid Access Keyboard Preferences window.
3. Click **Enable on-screen display**.
4. Click **OK**.
5. Click **OK** to exit the program.

Disabling Rapid Access Buttons

The keyboard comes with the Rapid Access Buttons enabled. To disable the buttons, do the following:

1. Follow steps 1 and 2 in Customizing the Rapid Access Buttons on page 1-4 to open the Rapid Access Keyboard Customization window.
2. Click **Preferences** to display the Rapid Access Buttons Preference window.
3. Click **Disable Rapid Access Buttons**.
4. Click **OK**.
5. Click **OK** to exit the program.

Maintaining the keyboard

You can prevent damage to your keyboard or computer by properly maintaining the Rapid Access III USB Keyboard. Use the following basic maintenance guidelines to care for your keyboard:

- Unplug the keyboard before cleaning.
- Clean the keyboard with a soft cloth moistened with a solution of water and mild soap.
- **Do not spill liquids on the keyboard.** Liquids might damage your keyboard or cause it to function improperly.

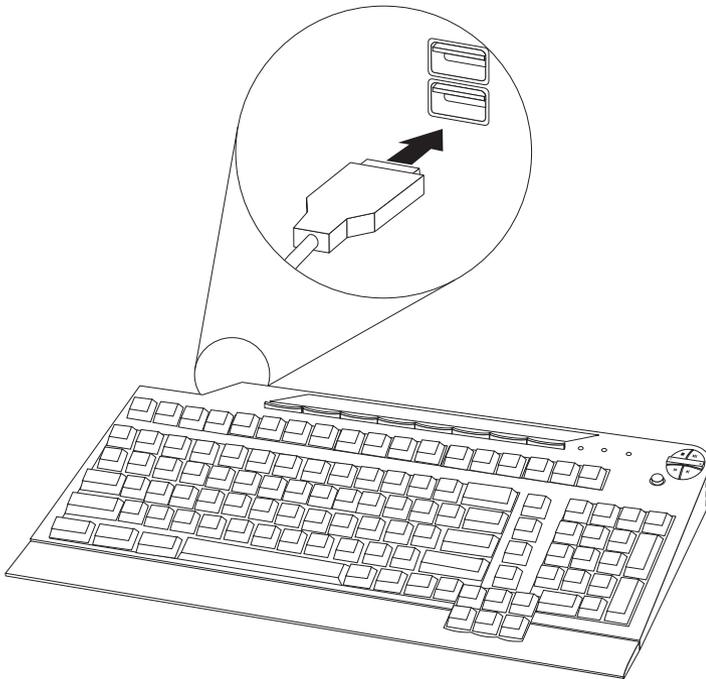
For more information about labeling the buttons, setting up preferences, setting up your work area, and troubleshooting, click the **Help** button at the bottom of the Rapid Access Keyboard Customization window.

Device-usage guideline

Before you begin using devices connected to the keyboard, be sure to note the following device-usage guideline:

- Do not activate resource-intensive devices at the same time because USB limitations might cause a degradation in the performance and speed of the devices. For example, do not start a USB scanner while you are using a USB camera. Instead, close the application for the camera; then start the scanner.

Using the USB Multi-port Hub



To connect other USB devices to the ports located at the rear of the keyboard (as shown in the illustration), follow these instructions:

1. Ensure your computer is on and the keyboard is plugged in and operating.
2. Plug the other USB devices you wish to use into the port on the keyboard.
3. Follow the on-screen instructions.

For more information on how to configure and use the other devices with your keyboard, see the User's Guides that come with those other devices.

Appendix A. Problem solving

Computer problems can be caused by hardware, software, or user error. You might be able to use the information in this section to solve problems yourself, or gather helpful information you can pass on to a service technician.

Common Problems

Review the following list for any problem descriptions that might fit your situation.

- **You cannot find the selection you are looking for when you customize the Rapid Access Buttons.**

If you are customizing your Rapid Access Buttons and cannot find the selection you want, such as your Internet browser or word processor, review the list of options displayed on the customization screen.

Be sure to click **View all programs** in the Rapid Access Keyboard Customization window. When you select this option, you see the list of all folders and programs that are displayed when you click **Start --> Programs**. You might have to open one or more folders to view a program.

If you still do not see a desired program, click **View all files** in the Rapid Access Keyboard Customization window. When you select this option, a list of all drives, folders, and files on your system is displayed.

- **The Standby Button does not work correctly.**

Your computer must have Windows 98, Windows 2000 or Windows Me, with hardware support for Advanced Power Management (APM) Level 1.1 or greater, for the Standby Button to work correctly.

If your computer shuts down when you press the Standby button, but does not return to full power when you press the button a second time, or if nothing happens when you press the button, your power-management software might not support the Suspend option.

To find out if your computer supports the Suspend option, click **Start** to see if the Suspend option is displayed. If a Suspend option is listed, try selecting it. If the Suspend option works, your computer will go into a low-power state. It will return to normal power when you press the Standby button again or when you move the mouse.

If the Suspend option does not work when you select it from the Start menu, then the Standby button will not work. If the Suspend option does not work, you might need to modify your power-management settings.

To modify your power-management settings:

1. Click **Start --> Settings --> Control Panel**.
2. Double-click **Power**.

For more information about your computer power-management settings, see the documentation that comes with your computer.

- **The Help button does not work correctly.**

If the Help button does not start Windows help, be sure that Windows help was installed on your computer. From the Start menu, click **Help**. If you cannot access Help, it might not have been installed. Refer to your Windows documentation for information on installing new components.

- **The CD/DVD, Volume, or Mute Control buttons do not work.**

The CD/DVD, Volume, and Mute Control buttons on the keyboard will work only with computers that have audio software and a sound card.

If you have audio software that did not come from Microsoft or if you installed your own audio software, the audio software program might not be compatible with the keyboard.

Close your audio software and press the CD/DVD buttons again. Pressing the buttons automatically opens the Windows CD Player or the Windows DVD software. If the buttons work with the Windows CD Player or DVD software but not with your audio software, your audio software is not compatible with the keyboard.

To verify that your computer has a sound card or that the sound card is working correctly, test an audio CD using the Windows CD Player program.

To test an audio CD:

1. Start Windows.
2. Insert the audio CD into the computer CD-ROM drive.
3. Click **Start --> Programs**.
4. Select **Accessories**.
5. Select **Multimedia**.
6. Click **CD Player**.

If you do not have a sound card or if the sound card is not detected, you will receive an error message indicating that there is a problem with the sound card. For more information on your sound card, see the documentation that comes with your computer or sound card.

- **All of the Rapid Access Buttons do not work.**

If all of the Rapid Access Buttons are not working, be sure that they are enabled in the **Preferences** menu in the Rapid Access Keyboard software.

To enable the Rapid Access Buttons, do the following:

1. Click **Start --> Settings --> Control Panel**.
2. Double-click **Keyboard (Rapid Access)** to open the Rapid Access Keyboard software.
3. Click **Customize** to open the Customization window.

4. Click **Preferences** in the Rapid Access Keyboard Customization window.
5. Click **Keep Rapid Access Buttons enabled**.
6. Click **OK**.
7. Click **Cancel** to exit the software.

If your keyboard buttons still do not work, be sure that the keyboard is properly connected to the computer. For more information on connecting the keyboard, see “Connecting the keyboard to your computer” on page A-2.

- **Your computer game locks up or is interrupted when you use the Rapid Access Buttons.**

The on-screen display for the Rapid Access Buttons might interfere with some computer games. If your computer games are not functioning correctly when you use the Rapid Access Buttons, disable the on-screen display. For instructions on disabling the on-screen display, see “Disabling the on-screen display” on page A-6.

- **Your computer stops responding.**

If your computer stops responding while you are using your Rapid Access Keyboard, disable the Rapid Access LED so that the Suspend LED will not light when you press the Suspend buttons. On some computers, especially mobile computers, LEDs that are lit can create conflicts which can prevent your computer from responding.

To disable the Rapid Access LED:

1. Click **Start --> Settings --> Control Panel**.
2. Double-click **Keyboard (Rapid Access)** to open the Rapid Access Keyboard software.
3. Click **Customize** to open the Customization window.
4. Click **Preferences** in the Customization window.
5. Click **Disable Rapid Access LED** in the Preferences window.
6. Click **OK**.
7. Click **Cancel** in the Customization window to exit the Rapid Access software.

If you still experience system lockups after disabling the Rapid Access LED, there might be a conflict between your pointing device and the Rapid Access Buttons. Avoid moving your mouse (or the built-in pointing device on a mobile computer) when you press a Rapid Access Button. Also, avoid moving your mouse or pointing device when your computer is initializing the operating system.

- **You press a button once, but the computer responds as if you pressed it twice.**

You might need to change your keyboard Repeat delay or Repeat rate settings.

To change the Repeat delay or Repeat rate settings:

1. Click **Start --> Settings --> Control Panel**.
 2. Double-click **Keyboard** (not **Keyboard Rapid Access**).
 3. Click the **Speed** tab for Repeat delay or for Repeat rate.
 4. Use your cursor to move the **Repeat delay** slider to the side labeled **Long** or the **Repeat rate** slider to **Slow**.
 5. Click **OK**.
- **You have a problem not listed in this section.**

For all other problems with your keyboard, try uninstalling and reinstalling your Rapid Access software.

To uninstall and reinstall the Rapid Access software in Windows:

1. Click **Start --> Settings --> Control Panel**.
2. Double-click **Add/Remove Programs**.
3. Select **IBM Rapid Access Keyboard** from the displayed list.
4. Click **Add/Remove....**
5. Click **Yes**.
6. When the uninstallation procedure completes, insert the Rapid Access Keyboard CD into your CD-ROM drive.
7. Click **Start**.
8. Select **Run**.
9. Type $x:\setminus$ setup where x is the letter of your CD-ROM drive.

For more information on obtaining online and technical support, see Appendix B.

Appendix B. Help and service information

This section contains information on how to obtain online and telephone technical support.

Online technical support

Online technical support is available during the life of your product. Online assistance can be obtained through the Personal Computing Support Web site and the IBM Automated Fax System.

<i>Online technical support</i>	
IBM Personal Computing Support Web site	http://www.ibm.com/pc/support
IBM Automated Fax System	1-800-426-3395 (U.S. and Canada)

During the warranty period, assistance for replacement or exchange of defective components is available. In addition, if your IBM option is installed in an IBM computer, you might be entitled to service at your location. Your technical support representative can help you determine the best alternative.

Telephone technical support

Installation and configuration support through the HelpCenter[®] will be withdrawn or made available for a fee, at IBM's discretion, 90 days after the option has been withdrawn from marketing. Additional support offerings, including step-by-step installation assistance, are available for a nominal fee.

To assist the technical support representative, have available as much of the following information as possible:

- Option name
- Option number
- Proof of purchase
- Computer manufacturer, model, serial number (if IBM), and manual
- Exact wording of the error message (if any)
- Description of the problem
- Hardware and software configuration information for your system

If possible, be at your computer. Your technical support representative might want to walk you through the problem during the call.

For the support telephone number and support hours by country, refer to the following table or to the enclosed technical support insert. If the number is not provided, contact your IBM reseller or IBM marketing representative. Response time may vary depending on the number and nature of the calls received.

<i>Support 24 hours a day, 7 days a week</i>	
Canada (Toronto only)	416-383-3344
Canada (all other)	1-800-565-3344
U.S.A. and Puerto Rico	1-800-772-2227
All other countries	Go to http://www.ibm.com/pc/support/ , and click HelpCenter Phone List .

Appendix C. Product warranty and notices

This section contains the warranty period for your product and the IBM Statement of Limited Warranty.

Machine - Rapid Access III USB Keyboard **Warranty period*** - One Year

** Contact your place of purchase for warranty service information. Some IBM Machines are eligible for on-site warranty service depending on the country where service is performed.*

IBM Statement of Limited Warranty

Part 1 - General Terms

This Statement of Limited Warranty includes Part 1 - General Terms and Part 2 - Country-unique Terms. The terms of Part 2 replace or modify those of Part 1. The warranties provided by IBM in this Statement of Limited Warranty apply only to Machines you purchase for your use, and not for resale, from IBM or your reseller. The term "Machine" means an IBM machine, its features, conversions, upgrades, elements, or accessories, or any combination of them. The term "Machine" does not include any software programs, whether pre-loaded with the Machine, installed subsequently or otherwise. Unless IBM specifies otherwise, the following warranties apply only in the country where you acquire the Machine. Nothing in this Statement of Limited Warranty affects any statutory rights of consumers that cannot be waived or limited by contract. If you have any questions, contact IBM or your reseller.

The IBM Warranty for Machines

IBM warrants that each Machine 1) is free from defects in materials and workmanship and 2) conforms to IBM's Official Published Specifications ("Specifications"). The warranty period for a Machine is a specified, fixed period commencing on its Date of Installation. The date on your sales receipt is the Date of Installation unless IBM or your reseller informs you otherwise.

If a Machine does not function as warranted during the warranty period, and IBM or your reseller are unable to either 1) make it do so or 2) replace it with one that is at least functionally equivalent, you may return it to your place of purchase and your money will be refunded.

Extent of Warranty

The warranty does not cover the repair or exchange of a Machine resulting from misuse, accident, modification, unsuitable physical or operating

environment, improper maintenance by you, or failure caused by a product for which IBM is not responsible. The warranty is voided by removal or alteration of Machine or parts identification labels.

THESE WARRANTIES ARE YOUR EXCLUSIVE WARRANTIES AND REPLACE ALL OTHER WARRANTIES OR CONDITIONS, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OR CONDITIONS OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THESE WARRANTIES GIVE YOU SPECIFIC LEGAL RIGHTS AND YOU MAY ALSO HAVE OTHER RIGHTS WHICH VARY FROM JURISDICTION TO JURISDICTION. SOME JURISDICTIONS DO NOT ALLOW THE EXCLUSION OR LIMITATION OF EXPRESS OR IMPLIED WARRANTIES, SO THE ABOVE EXCLUSION OR LIMITATION MAY NOT APPLY TO YOU. IN THAT EVENT, SUCH WARRANTIES ARE LIMITED IN DURATION TO THE WARRANTY PERIOD. NO WARRANTIES APPLY AFTER THAT PERIOD.

Items Not Covered by Warranty

IBM does not warrant uninterrupted or error-free operation of a Machine.

Any technical or other support provided for a Machine under warranty, such as assistance via telephone with “how-to” questions and those regarding Machine set-up and installation, will be provided **WITHOUT WARRANTIES OF ANY KIND.**

Warranty Service

To obtain warranty service for a Machine, contact IBM or your reseller. If you do not register your Machine with IBM, you may be required to present proof of purchase.

During the warranty period, IBM or your reseller, if approved by IBM to provide warranty service, provides without charge certain types of repair and exchange service to keep Machines in, or restore them to, conformance with their Specifications. IBM or your reseller will inform you of the available types of service for a Machine based on its country of installation. At its discretion, IBM or your reseller will 1) either repair or exchange the failing Machine and 2) provide the service either at your location or a service center. IBM or your reseller will also manage and install selected engineering changes that apply to the Machine.

Some parts of IBM Machines are designated as Customer Replaceable Units (called “CRUs”), e.g., keyboards, memory, or hard disk drives. IBM ships CRUs to you for replacement by you. You must return all defective CRUs to IBM within 30 days of your receipt of the replacement CRU. You are responsible for

downloading designated Machine Code and Licensed Internal Code updates from an IBM Internet Web site or from other electronic media, and following the instructions that IBM provides.

When warranty service involves the exchange of a Machine or part, the item IBM or your reseller replaces becomes its property and the replacement becomes yours. You represent that all removed items are genuine and unaltered. The replacement may not be new, but will be in good working order and at least functionally equivalent to the item replaced. The replacement assumes the warranty service status of the replaced item. Many features, conversions, or upgrades involve the removal of parts and their return to IBM. A part that replaces a removed part will assume the warranty service status of the removed part.

Before IBM or your reseller exchanges a Machine or part, you agree to remove all features, parts, options, alterations, and attachments not under warranty service.

You also agree to

1. ensure that the Machine is free of any legal obligations or restrictions that prevent its exchange;
2. obtain authorization from the owner to have IBM or your reseller service a Machine that you do not own; and
3. where applicable, before service is provided:
 - a. follow the problem determination, problem analysis, and service request procedures that IBM or your reseller provides;
 - b. secure all programs, data, and funds contained in a Machine;
 - c. provide IBM or your reseller with sufficient, free, and safe access to your facilities to permit them to fulfill their obligations; and
 - d. inform IBM or your reseller of changes in a Machine's location.

IBM is responsible for loss of, or damage to, your Machine while it is 1) in IBM's possession or 2) in transit in those cases where IBM is responsible for the transportation charges.

Neither IBM nor your reseller is responsible for any of your confidential, proprietary or personal information contained in a Machine which you return to IBM or your reseller for any reason. You should remove all such information from the Machine prior to its return.

Limitation of Liability

Circumstances may arise where, because of a default on IBM's part or other liability, you are entitled to recover damages from IBM. In each such instance, regardless of the basis on which you are entitled to claim damages from IBM (including fundamental breach, negligence, misrepresentation, or other contract

or tort claim), except for any liability that cannot be waived or limited by applicable laws, IBM is liable for no more than

1. damages for bodily injury (including death) and damage to real property and tangible personal property; and
2. the amount of any other actual direct damages, up to the charges (if recurring, 12 months' charges apply) for the Machine that is subject of the claim. For purposes of this item, the term "Machine" includes Machine Code and Licensed Internal Code.

This limit also applies to IBM's suppliers and your reseller. It is the maximum for which IBM, its suppliers, and your reseller are collectively responsible.

UNDER NO CIRCUMSTANCES IS IBM LIABLE FOR ANY OF THE FOLLOWING: 1) THIRD-PARTY CLAIMS AGAINST YOU FOR DAMAGES (OTHER THAN THOSE UNDER THE FIRST ITEM LISTED ABOVE); 2) LOSS OF, OR DAMAGE TO, YOUR RECORDS OR DATA; OR 3) SPECIAL, INCIDENTAL, OR INDIRECT DAMAGES OR FOR ANY ECONOMIC CONSEQUENTIAL DAMAGES, LOST PROFITS OR LOST SAVINGS, EVEN IF IBM, ITS SUPPLIERS OR YOUR RESELLER IS INFORMED OF THEIR POSSIBILITY. SOME JURISDICTIONS DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE LIMITATION OR EXCLUSION MAY NOT APPLY TO YOU.

Governing Law

Both you and IBM consent to the application of the laws of the country in which you acquired the Machine to govern, interpret, and enforce all of your and IBM's rights, duties, and obligations arising from, or relating in any manner to, the subject matter of this Agreement, without regard to conflict of law principles.

Part 2 - Country-unique Terms

AMERICAS

BRAZIL

Governing Law: *The following is added after the first sentence:* Any litigation arising from this Agreement will be settled exclusively by the court of Rio de Janeiro.

NORTH AMERICA

Warranty Service: *The following is added to this Section:* To obtain warranty service from IBM in Canada or the United States, call 1-800-IBM-SERV (426-7378).

CANADA

Governing Law: *The following replaces “laws of the country in which you acquired the Machine” in the first sentence:* laws in the Province of Ontario.

UNITED STATES

Governing Law: *The following replaces “laws of the country in which you acquired the Machine” in the first sentence:* laws of the State of New York.

ASIA PACIFIC

AUSTRALIA

The IBM Warranty for Machines: *The following paragraph is added to this Section:* The warranties specified in this Section are in addition to any rights you may have under the Trade Practices Act 1974 or other similar legislation and are only limited to the extent permitted by the applicable legislation.

Limitation of Liability: *The following is added to this Section:* Where IBM is in breach of a condition or warranty implied by the Trade Practices Act 1974 or other similar legislation, IBM’s liability is limited to the repair or replacement of the goods or the supply of equivalent goods. Where that condition or warranty relates to right to sell, quiet possession or clear title, or the goods are of a kind ordinarily acquired for personal, domestic or household use or consumption, then none of the limitations in this paragraph apply.

Governing Law: *The following replaces “laws of the country in which you acquired the Machine” in the first sentence:* laws of the State or Territory.

CAMBODIA, LAOS, AND VIETNAM

Governing Law: *The following replaces “laws of the country in which you acquired the Machine” in the first sentence:* laws of the State of New York.

The following is added to this Section: Disputes and differences arising out of or in connection with this Agreement shall be finally settled by arbitration which shall be held in Singapore in accordance with the rules of the International Chamber of Commerce (ICC). The arbitrator or arbitrators designated in conformity with those rules shall have the power to rule on their own competence and on the validity of the Agreement to submit to arbitration. The

arbitration award shall be final and binding for the parties without appeal and the arbitral award shall be in writing and set forth the findings of fact and the conclusions of law.

All proceedings shall be conducted, including all documents presented in such proceedings, in the English language. The number of arbitrators shall be three, with each side to the dispute being entitled to appoint one arbitrator.

The two arbitrators appointed by the parties shall appoint a third arbitrator before proceeding upon the reference. The third arbitrator shall act as chairman of the proceedings. Vacancies in the post of chairman shall be filled by the president of the ICC. Other vacancies shall be filled by the respective nominating party. Proceedings shall continue from the stage they were at when the vacancy occurred.

If one of the parties refuses or otherwise fails to appoint an arbitrator within 30 days of the date the other party appoints its, the first appointed arbitrator shall be the sole arbitrator, provided that the arbitrator was validly and properly appointed.

The English language version of this Agreement prevails over any other language version.

HONG KONG AND MACAU

Governing Law: *The following replaces "laws of the country in which you acquired the Machine" in the first sentence: laws of Hong Kong Special Administrative Region.*

INDIA

Limitation of Liability: *The following replaces items 1 and 2 of this Section:*

1. liability for bodily injury (including death) or damage to real property and tangible personal property will be limited to that caused by IBM's negligence;
2. as to any other actual damage arising in any situation involving nonperformance by IBM pursuant to, or in any way related to the subject of this Statement of Limited Warranty, IBM's liability will be limited to the charge paid by you for the individual Machine that is the subject of the claim.

JAPAN

Governing Law: *The following sentence is added to this Section: Any doubts concerning this Agreement will be initially resolved between us in good faith and in accordance with the principle of mutual trust.*

NEW ZEALAND

The IBM Warranty for Machines: *The following paragraph is added to this Section:* The warranties specified in this Section are in addition to any rights you may have under the Consumer Guarantees Act 1993 or other legislation which cannot be excluded or limited. The Consumer Guarantees Act 1993 will not apply in respect of any goods which IBM provides, if you require the goods for the purposes of a business as defined in that Act.

Limitation of Liability: *The following is added to this Section:* Where Machines are not acquired for the purposes of a business as defined in the Consumer Guarantees Act 1993, the limitations in this Section are subject to the limitations in that Act.

PEOPLE'S REPUBLIC OF CHINA (PRC)

Governing Law: *The following replaces this Section:* Both you and IBM consent to the application of the laws of the State of New York (except when local law requires otherwise) to govern, interpret, and enforce all your and IBM's rights, duties, and obligations arising from, or relating in any manner to, the subject matter of this Agreement, without regard to conflict of law principles.

Any disputes arising from or in connection with this Agreement will first be resolved by friendly negotiations, failing which either of us has the right to submit the dispute to the China International Economic and Trade Arbitration Commission in Beijing, the PRC, for arbitration in accordance with its arbitration rules in force at the time. The arbitration tribunal will consist of three arbitrators. The language to be used therein will be English and Chinese. An arbitral award will be final and binding on all the parties, and will be enforceable under the Convention on the Recognition and Enforcement of Foreign Arbitral Awards (1958).

The arbitration fee will be borne by the losing party unless otherwise determined by the arbitral award.

During the course of arbitration, this Agreement will continue to be performed except for the part which the parties are disputing and which is undergoing arbitration.

EUROPE, MIDDLE EAST, AFRICA (EMEA)

THE FOLLOWING TERMS APPLY TO ALL EMEA COUNTRIES: The terms of this Statement of Limited Warranty apply to Machines purchased from IBM or an IBM reseller.

Warranty Service:

If you purchase an IBM Machine in Austria, Belgium, Denmark, Estonia, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland or United Kingdom, you may obtain warranty service for that Machine in any of those countries from either (1) an IBM reseller approved to perform warranty service or (2) from IBM. If you purchase an IBM Personal Computer Machine in Albania, Armenia, Belarus, Bosnia and Herzegovina, Bulgaria, Croatia, Czech Republic, Georgia, Hungary, Kazakhstan, Kirghizia, Federal Republic of Yugoslavia, Former Yugoslav Republic of Macedonia (FYROM), Moldova, Poland, Romania, Russia, Slovak Republic, Slovenia, or Ukraine, you may obtain warranty service for that Machine in any of those countries from either (1) an IBM reseller approved to perform warranty service or (2) from IBM.

If you purchase an IBM Machine in a Middle Eastern or African country, you may obtain warranty service for that Machine from the IBM entity within the country of purchase, if that IBM entity provides warranty service in that country, or from an IBM reseller, approved by IBM to perform warranty service on that Machine in that country. Warranty service in Africa is available within 50 kilometers of an IBM authorized service provider. You are responsible for transportation costs for Machines located outside 50 kilometers of an IBM authorized service provider.

Governing Law:

The applicable laws that govern, interpret and enforce rights, duties, and obligations of each of us arising from, or relating in any manner to, the subject matter of this Statement, without regard to conflict of laws principles, as well as Country-unique terms and competent court for this Statement are those of the country in which the warranty service is being provided, except that in 1) Albania, Bosnia-Herzegovina, Bulgaria, Croatia, Hungary, Former Yugoslav Republic of Macedonia, Romania, Slovakia, Slovenia, Armenia, Azerbaijan, Belarus, Georgia, Kazakhstan, Kyrgyzstan, Moldova, Russia, Tajikistan, Turkmenistan, Ukraine, and Uzbekistan, the laws of Austria apply; 2) Estonia, Latvia, and Lithuania, the laws of Finland apply; 3) Algeria, Benin, Burkina Faso, Cameroon, Cape Verde, Central African Republic, Chad, Congo, Djibouti, Democratic Republic of Congo, Equatorial Guinea, France, Gabon, Gambia, Guinea, Guinea-Bissau, Ivory Coast, Lebanon, Mali, Mauritania, Morocco, Niger, Senegal, Togo, and Tunisia, this Agreement will be construed and the legal relations between the parties will be determined in accordance with the French laws and all disputes arising out of this Agreement or related to its violation or execution, including summary proceedings, will be settled exclusively by the Commercial Court of Paris; 4) Angola, Bahrain, Botswana, Burundi, Egypt, Eritrea, Ethiopia, Ghana, Jordan, Kenya, Kuwait, Liberia, Malawi, Malta, Mozambique, Nigeria, Oman, Pakistan, Qatar, Rwanda, Sao Tome, Saudi Arabia, Sierra Leone, Somalia, Tanzania, Uganda, United Arab Emirates, United Kingdom, West Bank/Gaza, Yemen, Zambia, and Zimbabwe, this Agreement will be governed by English Law and disputes relating to it

will be submitted to the exclusive jurisdiction of the English courts; and 5) in Greece, Israel, Italy, Portugal, and Spain any legal claim arising out of this Statement will be brought before, and finally settled by, the competent court of Athens, Tel Aviv, Milan, Lisbon, and Madrid, respectively.

THE FOLLOWING TERMS APPLY TO THE COUNTRY SPECIFIED:

AUSTRIA AND GERMANY

The IBM Warranty for Machines: *The following replaces the first sentence of the first paragraph of this Section:* The warranty for an IBM Machine covers the functionality of the Machine for its normal use and the Machine's conformity to its Specifications.

The following paragraphs are added to this Section:

The minimum warranty period for Machines is six months. In case IBM or your reseller is unable to repair an IBM Machine, you can alternatively ask for a partial refund as far as justified by the reduced value of the unrepared Machine or ask for a cancellation of the respective agreement for such Machine and get your money refunded.

Extent of Warranty: *The second paragraph does not apply.*

Warranty Service: *The following is added to this Section:* During the warranty period, transportation for delivery of the failing Machine to IBM will be at IBM's expense.

Limitation of Liability: *The following paragraph is added to this Section:* The limitations and exclusions specified in the Statement of Limited Warranty will not apply to damages caused by IBM with fraud or gross negligence and for express warranty.

The following sentence is added to the end of item 2: IBM's liability under this item is limited to the violation of essential contractual terms in cases of ordinary negligence.

EGYPT

Limitation of Liability: *The following replaces item 2 in this Section:* as to any other actual direct damages, IBM's liability will be limited to the total amount you paid for the Machine that is the subject of the claim. For purposes of this item, the term "Machine" includes Machine Code and Licensed Internal Code.

Applicability of suppliers and resellers (unchanged).

FRANCE

Limitation of Liability: *The following replaces the second sentence of the first paragraph of this Section:* In such instances, regardless of the basis on which you are entitled to claim damages from IBM, IBM is liable for no more than: (items 1 and 2 unchanged).

IRELAND

Extent of Warranty: *The following is added to this Section:* Except as expressly provided in these terms and conditions, all statutory conditions, including all warranties implied, but without prejudice to the generality of the foregoing all warranties implied by the Sale of Goods Act 1893 or the Sale of Goods and Supply of Services Act 1980 are hereby excluded.

Limitation of Liability: *The following replaces items one and two of the first paragraph of this Section:* 1. death or personal injury or physical damage to your real property solely caused by IBM's negligence; and 2. the amount of any other actual direct damages, up to 125 percent of the charges (if recurring, the 12 months' charges apply) for the Machine that is the subject of the claim or which otherwise gives rise to the claim.

Applicability of suppliers and resellers (unchanged).

The following paragraph is added at the end of this Section: IBM's entire liability and your sole remedy, whether in contract or in tort, in respect of any default shall be limited to damages.

ITALY

Limitation of Liability: *The following replaces the second sentence in the first paragraph:* In each such instance unless otherwise provided by mandatory law, IBM is liable for no more than: 1. (unchanged) 2. as to any other actual damage arising in all situations involving nonperformance by IBM pursuant to, or in any way related to the subject matter of this Statement of Warranty, IBM's liability, will be limited to the total amount you paid for the Machine that is the subject of the claim. *Applicability of suppliers and resellers (unchanged).*

The following replaces the third paragraph of this Section: Unless otherwise provided by mandatory law, IBM and your reseller are not liable for any of the following: (items 1 and 2 unchanged) 3) indirect damages, even if IBM or your reseller is informed of their possibility.

SOUTH AFRICA, NAMIBIA, BOTSWANA, LESOTHO AND SWAZILAND

Limitation of Liability: *The following is added to this Section:* IBM's entire liability to you for actual damages arising in all situations involving nonperformance by IBM in respect of the subject matter of this Statement of Warranty will be limited to the charge paid by you for the individual Machine that is the subject of your claim from IBM.

UNITED KINGDOM

Limitation of Liability: *The following replaces items 1 and 2 of the first paragraph of this Section:*

1. death or personal injury or physical damage to your real property solely caused by IBM's negligence;
2. the amount of any other actual direct damages or loss, up to 125 percent of the charges (if recurring, the 12 months' charges apply) for the Machine that is the subject of the claim or which otherwise gives rise to the claim;

The following item is added to this paragraph: 3. breach of IBM's obligations implied by Section 12 of the Sale of Goods Act 1979 or Section 2 of the Supply of Goods and Services Act 1982.

Applicability of suppliers and resellers (unchanged).

The following is added to the end of this Section: IBM's entire liability and your sole remedy, whether in contract or in tort, in respect of any default shall be limited to damages. This publication was developed for products and services offered in the U.S.A.

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Federal Communications Commission (FCC) statement

Note: This equipment 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 equipment 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 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:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult an IBM authorized dealer or service representative for help.

Properly shielded and grounded cables and connectors must be used in order to meet FCC emission limits. Proper cables and connectors are available from IBM authorized dealers. IBM is not responsible for any radio or television interference caused by using other than recommended cables and connectors or by unauthorized changes or modifications to this equipment. Unauthorized changes or modifications could void the user's authority to operate the equipment.

This device 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.

Responsible party:

International Business Machines Corporation
New Orchard Road
Armonk, NY 10504
Telephone: 1-919-543-2193



**Tested To Comply
With FCC Standards**

FOR HOME OR OFFICE USE

Industry Canada Class B emission compliance statement

This Class B digital apparatus complies with Canadian ICES-003.

Avis de conformité a la réglementation d'Industrie Canada

Cet appareil numérique de classe B est conforme à la norme NMB-003 du Canada.

Deutsche EMV-Direktive (electromagnetische Verträglichkeit)

Dieses Gerät ist berechtigt in Übereinstimmung mit dem deutschen EMVG vom 9.Nov.92 das EG-Konformitätszeichen zu führen.

Der Aussteller der Konformitätserklärung ist die IBM UK, Greenock.

Dieses Gerät erfüllt die Bedingungen der EN 55022 Klasse B.

European Union - emission directive

This product is in conformity with the protection requirements of EU Council Directive 89/366/ECC on the approximation of the laws of the Member States relating to electromagnetic compatibility.

IBM can not accept responsibility for any failure to satisfy the protection requirements resulting from a non-recommended modification of the product, including the fitting of non-IBM option cards.

This product has been tested and found to comply with the limits for Class B Information Technology Equipment according to CISPR 22/European Standard EN 55022. The limits for Class B equipment were derived for typical residential environments to provide reasonable protection against interference with licensed communication devices.

Union Européenne - Directive Conformité électromagnétique

Ce produit est conforme aux exigences de protection de la Directive 89/336/EEC du Conseil de l'UE sur le rapprochement des lois des États membres en matière de compatibilité électromagnétique.

IBM ne peut accepter aucune responsabilité pour le manquement aux exigences de protection résultant d'une modification non recommandée du produit, y compris l'installation de cartes autres que les cartes IBM.

Ce produit a été testé et il satisfait les conditions de l'équipement informatique de Classe B en vertu de CISPR22/Standard européen EN 55022. Les conditions pour l'équipement de Classe B ont été définies en fonction d'un contexte

résidentiel ordinaire afin de fournir une protection raisonnable contre l'interférence d'appareils de communication autorisés.

Unione Europea - Directiva EMC (Conformidad electromagnética)

Este producto satisface los requisitos de protección del Consejo de la UE, Directiva 89/336/CEE en lo que a la legislación de los Estados Miembros sobre compatibilidad electromagnética se refiere.

IBM no puede aceptar responsabilidad alguna si este producto deja de satisfacer dichos requisitos de protección como resultado de una modificación no recomendada del producto, incluyendo el ajuste de tarjetas de opción que no sean IBM.

Este producto ha sido probado y satisface los límites para Equipos Informáticos Clase B de conformidad con el Estándar CISPR22 y el Estándar Europeo EN 55022. Los límites para los equipos de Clase B se han establecido para entornos residenciales típicos a fin de proporcionar una protección razonable contra las interferencias con dispositivos de comunicación licenciados.

Union Europea - Normativa EMC

Questo prodotto è conforme alle normative di protezione ai sensi della Direttiva del Consiglio dell'Unione Europea 89/336/CEE sull'armonizzazione legislativa degli stati membri in materia di compatibilità elettromagnetica.

IBM non accetta responsabilità alcuna per la mancata conformità alle normative di protezione dovuta a modifiche non consigliate al prodotto, compresa l'installazione di schede e componenti di marca diversa da IBM.

Le prove effettuate sul presente prodotto hanno accertato che esso rientra nei limiti stabiliti per le apparecchiature di informatica Classe B ai sensi del CISPR 22/Norma Europea EN 55022. I limiti delle apparecchiature della Classe B sono stati stabiliti al fine di fornire ragionevole protezione da interferenze mediante dispositivi di comunicazione in concessione in ambienti residenziali tipici.

Korean B급 규격 증명서

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Japanese statement of compliance for products less than or equal to 20 A per phase

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