

***lenovo***

# Lenovo Enhanced Performance USB Keyboard User Guide

 <http://www.lenovo.com/safety>

**Note:** Before installing the product, be sure to read the warranty information in Appendix B “Lenovo Limited Warranty” on page 19.

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# Contents

<b>Chapter 1. About the keyboard . . . . .</b>	<b>1</b>	Part 2 - Country-specific Terms . . . . .	21
Product description. . . . .	1	Part 3 - Warranty Service Information. . . . .	24
Front view . . . . .	1	Suplemento de Garantía para México. . . . .	25
Rear view. . . . .	4	<b>Appendix C. Electronic emission</b>	
Bottom view . . . . .	5	<b>notices . . . . .</b>	<b>27</b>
System requirements . . . . .	5	Federal Communications Commission Declaration	
<b>Chapter 2. Installing the keyboard . . . . .</b>	<b>7</b>	of Conformity . . . . .	27
Installing the device drivers. . . . .	7	<b>Appendix D. Notices. . . . .</b>	<b>31</b>
Uninstalling the device driver . . . . .	7	Recycling information . . . . .	31
Installing the keyboard . . . . .	9	Recycling information for China . . . . .	31
<b>Chapter 3. Using the keyboard . . . . .</b>	<b>11</b>	Recycling information for Brazil . . . . .	31
Enabling or disabling the hot keys . . . . .	11	Important WEEE information . . . . .	32
Enabling or disabling the on-screen display . . . . .	11	Export Classification Notice . . . . .	32
Customizing the rapid access keys. . . . .	11	Trademarks . . . . .	32
<b>Chapter 4. Troubleshooting . . . . .</b>	<b>13</b>	<b>Appendix E. Restriction of Hazardous</b>	
<b>Appendix A. Service and Support. . . . .</b>	<b>17</b>	<b>Substances Directive (RoHS) . . . . .</b>	<b>33</b>
Online technical support . . . . .	17	European Union RoHS . . . . .	33
Telephone technical support . . . . .	17	China RoHS. . . . .	33
<b>Appendix B. Lenovo Limited</b>		Turkish RoHS . . . . .	33
<b>Warranty. . . . .</b>	<b>19</b>	Ukraine RoHS . . . . .	33
Part 1 - General Terms . . . . .	19	India RoHS . . . . .	33



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## Chapter 1. About the keyboard

This chapter provides product information and system requirements for the Lenovo® Enhanced Performance USB Keyboard (hereafter called the keyboard).

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### Product description

The keyboard helps keep you productive and comfortable with the designed hot key functionality. The hot key functionality enables one-touch control to lock your computer desktop, launch the Calculator program, play media files, and so on.

Your option package includes the following:

- Lenovo Enhanced Performance USB Keyboard
- Warranty poster
- Rapid access key labels

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### Front view

The following illustration shows the front view of the keyboard.

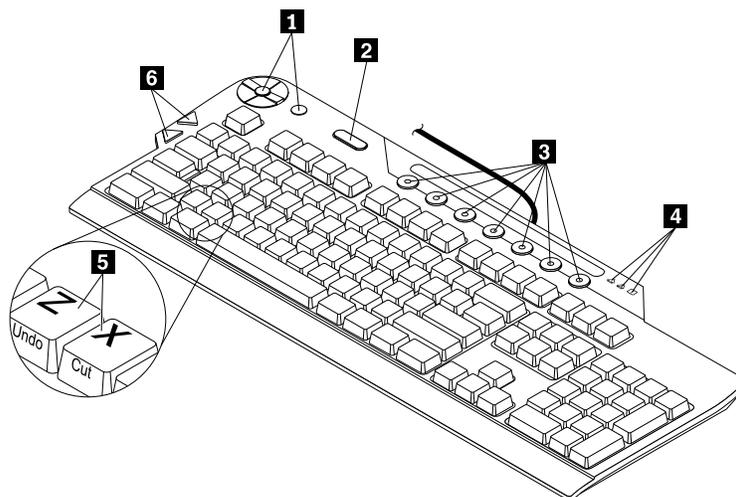


Figure 1. Front view of the keyboard

<b>1</b> Media control center	<b>4</b> Status indicators
<b>2</b> ThinkVantage® button	<b>5</b> Shortcut keys
<b>3</b> Rapid access keys	<b>6</b> Internet navigation keys

#### **1** Media control center

The media control center enables you to launch media applications, control track selection, adjust the volume, and mute your computer speaker.

The media control center consists of eight keys. The following table introduces each key of the media control center.

Icon	Key name	Function description
	Media launch key	Launch the default media player on your computer.
	Stop key	Stop the playing media file.
	Play/pause key	Play or pause a media file.
	Volume-down key	Decrease the volume of your computer speaker.
	Volume-up key	Increase the volume of your computer speaker.
	Track backward key	Go back to the previous track.
	Track forward key	Go to the next track.
	Mute key	Mute the computer speaker.

#### Notes:

- When you press one of the media control center keys, an on-screen display appears for a few seconds to verify your selection. For more information about the on-screen display, see “Enabling or disabling the on-screen display” on page 11.
- If you mute the computer speaker and then turn off your computer, the speaker will remain muted when you turn on your computer again. To turn on the speaker, press the mute key again or press the volume-up key or volume-down key.

## 2 ThinkVantage button

Depending on your operating system, you can do the following by pressing the ThinkVantage button:

- For the Microsoft® Windows® XP or Microsoft Windows Vista® operating systems, whenever you have a question about your computer or want to view Lenovo Web sites, press the ThinkVantage button to open the ThinkVantage Productivity Center or the Lenovo Care<sup>SM</sup> program for comprehensive help and information for your computer.
- For the Microsoft Windows 7 operating systems, press the ThinkVantage button to open the Lenovo SimpleTap, Lenovo Solution Center, or Lenovo ThinkVantage Toolbox program. The Lenovo SimpleTap program provides a quick way to customize the basic settings and personalized features of the computer. The Lenovo ThinkVantage Toolbox program is your one-stop diagnostic solution for quickly identifying and resolving system performance and security problems.
- For the Microsoft Windows 8 or Microsoft Windows 8.1 operating systems, press the ThinkVantage button to open the Lenovo Device Experience program.

**Note:** The ThinkVantage Productivity Center program, Lenovo Care program, or Lenovo ThinkVantage Toolbox program comes with your computer. If you do not have any of the programs installed on your computer, pressing the ThinkVantage button will open the Windows System Information window.

## 3 Rapid access keys

The rapid access keys are preprogrammed to launch commonly used applications, such as the Microsoft Word Document or Microsoft Excel Worksheet program. You can customize each of the seven multi-colored keys to use as a shortcut to a computer program, a file, or a Web site. For more information, see “Customizing the rapid access keys” on page 11.

## 4 Status indicators

The keyboard has the following three status indicators:



**Numeric Lock indicator:** when the Numeric Lock indicator is on, the numeric keypad on the keyboard is enabled. When the Numeric Lock indicator is off, the cursor control on the numeric keypad is enabled. Press the Num Lock key to switch back and forth between these two modes.



**Caps Lock indicator:** when the Caps Lock indicator is on, the Caps Lock mode is enabled. In this mode, you can type all alphabetic characters (A-Z) in upper case without pressing Shift. When the Caps Lock indicator is off, the Caps Lock mode is disabled. Press the Caps Lock key to enable or disable the Caps Lock mode.



**Scroll Lock indicator:** when the Scroll Lock indicator is on, the Scroll Lock mode is enabled. The arrow keys can be used as screen-scroll function keys and the cursor cannot be moved with the arrow keys. Not all application programs support this function. When the Scroll Lock indicator is off, the arrow keys can be used for cursor control, not as screen-scroll function keys. Press the Scroll Lock key to switch back and forth between these two modes.

## 5 Shortcut keys

The keyboard comes with Microsoft shortcut keys. On U.S. English keyboards, the shortcuts are labeled on the front face of the keys in green. On keyboards for other languages, the shortcuts are labeled on the front face of the keys in white.

To use the shortcut keys, hold the Ctrl key and then press a shortcut key. For example, on a U.S. English keyboard, press Ctrl+P for print function.

### Notes:

- The shortcuts are only available for certain language layouts.
- Some software applications do not respond to the shortcut keys.

## 6 Internet navigation keys

The Internet navigation keys, located near the Tab key on the left side of the keyboard, are used with your Internet browser. They function like the forward and back arrows in the browser that move you forward and backward to pages you have viewed in the order that you opened them.

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## Rear view

The following illustration shows the rear view of the keyboard.

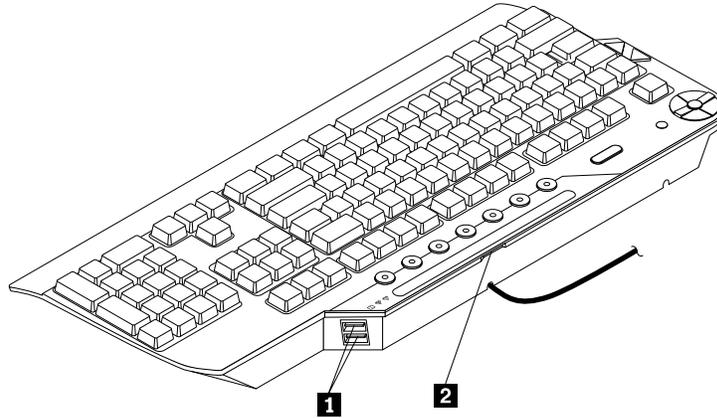


Figure 2. Rear view of the keyboard

### **1** USB connectors

The two Universal Serial Bus (USB) connectors are used for connecting USB-compatible devices, such as a mouse or printer. The USB connectors are intended to be used with USB 2.0 low-power, full-speed devices. High-speed devices, such as USB cameras, may exhibit slower performance when connected to these USB connectors.

### **2** Rapid access key label slot

You can create a new rapid access key label when you customize your rapid access keys. To do this, you need to remove the existing label from the rapid access key label slot. After you create and print the new rapid access key label, insert the new label into the slot.

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## Bottom view

The following illustration shows the bottom view of the keyboard.

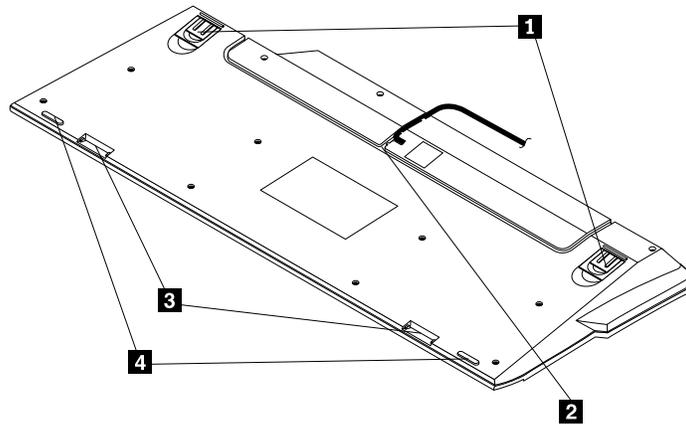


Figure 3. Bottom view of the keyboard

### 1 Tilt feet

The keyboard has three tilt feet positions with which you can adjust the angle of the keyboard to provide maximum comfort. The three keyboard angles are as follows:

- **3.5 degrees:** when none of the feet are raised, the keyboard is at a 3.5-degree angle.
- **6 degrees:** when the small tilt feet are raised, the keyboard is at a 6-degree angle.
- **9 degrees:** when the large tilt feet are raised, the keyboard is at a 9-degree angle.

### 2 Cable slot

The cable slot provides a convenient way to change the location where the cable leaves the keyboard. You can press the keyboard cable into the left or right slot to reduce the cable clutter and optimize desk space.

### 3 Palm rest connectors

The two palm rest connectors enable you to connect the palm rest to the keyboard. For instructions on how to connect the palm rest to the keyboard, see “Installing the keyboard” on page 9.

### 4 Non-skid feet

The non-skid feet are used to prevent the keyboard from unexpected movement.

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## System requirements

Before using the keyboard, make sure that your computer meets the following system requirements:

- One of the following operating systems installed
  - Microsoft Windows XP (32-bit)
  - Microsoft Windows Vista (32-bit or 64-bit)
  - Microsoft Windows 7 (32-bit or 64-bit)

- Microsoft Windows 8
- Microsoft Windows 8.1
- An available USB connector

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## Chapter 2. Installing the keyboard

This chapter provides instructions on how to install the device driver, uninstall the device driver, and install the keyboard.

**Note:** Be sure to install the device driver before installing the keyboard. Otherwise, some functions of the keyboard cannot work.

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### Installing the device drivers

To install the device drivers, do the following:

1. Go to <http://www.lenovo.com/support/keyboards>.
2. Locate and click the link for your keyboard, and then locate and download the driver installation files.
3. Double-click the installation file, and then follow the instructions on the screen to complete the installation.

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### Uninstalling the device driver

To uninstall the device driver for the keyboard from the Windows XP, Windows Vista, Windows 7, Windows 8, or Windows 8.1 operating system, do the following:

#### For the Windows XP operating system:

1. Click **Start → Control Panel** or **Start → Settings → Control Panel**.
2. Depending on your Control Panel mode, click or double-click **Add or Remove Programs**.
3. Select the Lenovo Enhanced Performance USB Keyboard software and then click **Remove**.
4. Follow the instructions on the screen to uninstall the device driver.

#### For the Windows Vista or Windows 7 operating system:

1. Click **Start → Control Panel** or **Start → Settings → Control Panel**.
2. Depending on your Control Panel mode, do one of the following:
  - Click the **Uninstall a program** option under the **Programs** menu.
  - Click **Programs and Features**.
3. Select the Lenovo Enhanced Performance USB Keyboard software and then right-click your mouse. The **Uninstall** option is displayed.
4. Click **Uninstall**.
5. Follow the instructions on the screen to uninstall the device driver.

#### For the Windows 8 operating system:

1. Go to Control Panel by doing one of the following:
  - From the desktop, move the pointer to the top-right or bottom-right corner of the screen to display the charms, and then click **Settings → Control Panel**.
  - From the Start screen, do the following:
    - a. Move the pointer to the top-right or bottom-right corner of the screen to display the charms.
    - b. Click **Search**.

- c. On the Apps screen, scroll to the right side, and click **Control Panel** in the **Windows System** section.
2. Depending on your Control Panel mode, do one of the following:
  - Click the **Uninstall a program** option under the **Programs** menu.
  - Click **Programs and Features**.
3. Select the Lenovo Enhanced Performance USB Keyboard software and then right-click your mouse. The **Uninstall** option is displayed.
4. Click **Uninstall**.
5. Follow the instructions on the screen to uninstall the device driver.

**For the Windows 8.1 operating system:**

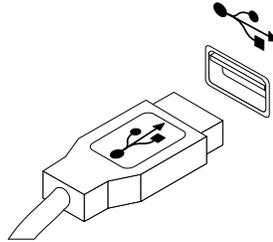
1. Go to Control Panel by doing one of the following:
  - From the desktop, move the pointer to the top-right or bottom-right corner of the screen to display the charms, and then click **Settings → Control Panel**.
  - From the Start screen, do the following:
    - a. Click the arrow icon  in the bottom-left corner of the screen to go to the Apps screen.
    - b. Scroll to the right side, and click **Control Panel** in the **Windows System** section.
2. Depending on your Control Panel mode, do one of the following:
  - Click the **Uninstall a program** option under the **Programs** menu.
  - Click **Programs and Features**.
3. Select the Lenovo Enhanced Performance USB Keyboard software and then right-click your mouse. The **Uninstall** option is displayed.
4. Click **Uninstall**.
5. Follow the instructions on the screen to uninstall the device driver.

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## Installing the keyboard

To install the keyboard, do the following:

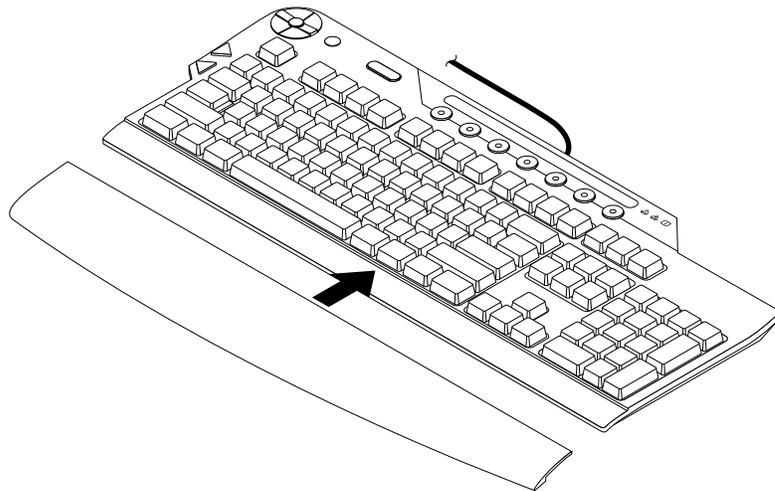
1. Adjust the tilt feet to set the keyboard near your computer to your preference.
2. Connect the keyboard cable to an available USB connector on your computer. The keyboard will be ready for use after it is identified by the operating system.



*Figure 4. Connecting the keyboard cable to a USB connector*

**Note:** Route the keyboard cable into the cable slot if necessary.

3. Connect the palm rest to the keyboard if necessary.



*Figure 5. Connecting the palm rest to the keyboard*



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## Chapter 3. Using the keyboard

This chapter provides information about using the keyboard.

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### Enabling or disabling the hot keys

To enable or disable your desired hot keys, do the following:

1. Double-click the **USB Enhanced Performance Keyboard** icon in the Windows desktop notification area. The keyboard configuration wizard is displayed.
2. Click **Next** until you reach the page for your desired hot keys.
3. Select the corresponding radio button to enable or disable the hot keys.
4. Click **Next** until you reach the Summary page.
5. On the Summary page, click **Finish** to save your settings.

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### Enabling or disabling the on-screen display

By default, when you press one of the media control center keys or rapid access keys, an on-screen display appears for a few seconds to verify your selection. You can enable or disable the on-screen display to your needs.

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

1. Double-click the **USB Enhanced Performance Keyboard** icon in the Windows desktop notification area. The keyboard configuration wizard is displayed.
2. Click **Next** until you reach the On-Screen Displays page.
3. Select **Enable the on-screen display** or **Disable the on-screen display**.

**Note:** After you select **Enable the on-screen display**, you can configure the font, size, and color of the on-screen display text by following the instructions on the screen.

4. Click **Next**.
5. Click **Finish** to save your settings.

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### Customizing the rapid access keys

The rapid access keys are preprogrammed to launch commonly used applications. You can customize each of the seven rapid access keys to use as a shortcut to a computer program, a file, or a Web site.

To customize the rapid access keys, do the following:

**Note:** Before you customize the rapid access keys, ensure that the rapid access keys are enabled.

1. Double-click the **USB Enhanced Performance Keyboard** icon in the Windows desktop notification area. The keyboard configuration wizard is displayed.
2. Click **Next** until you reach the Customize Keys page.
3. Select the rapid access key that you want to customize.

**Note:** If a program has already been assigned to a rapid access key, the program name appears above that key on the screen. If no program is assigned to a rapid access key, the label area above the key will be blank.

4. Select one of the following options, and then select the program, file, or Web page which you want to assign to the rapid access key from the list box.

- **Programs available to all users**
- **Programs available to current user**
- **Open a file**
- **View a web page**

**Notes:**

- For a Web page, you also can type the Internet address into the **Or Enter Internet address** field, and then verify if the Internet address is correct by clicking **Test**. An Internet or intranet connection is required to use the test function.
  - You can edit the name of the selected program, file, or Web page address displaying in the label name field. Then, click **Apply** to save the setting. The rapid access key that you selected is successfully reprogrammed and the new name appears in the label area above the rapid access key.
  - To customize another rapid access key, repeat the above steps.
5. When you have finished the customization, click **Next**. The Print Label page is displayed.
6. Click **Print a new RapidAccess Key label**.
7. Click **Next** to print your new rapid access key label. Follow the instructions on the screen to complete the printing.
8. Click **Next** until you reach the Summary page.
9. On the Summary page, click **Finish** to save your settings.

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## Chapter 4. Troubleshooting

This chapter provides some troubleshooting hints and tips to assist you if you experience any problems with the keyboard. Check the following items first to try to solve the problem.

**Problem:** When I customize the rapid access keys, I cannot find my desired program or file.

**Solution:** To solve the problem, do the following:

1. Ensure that you select **Programs available to all users** or **Programs available to current user** in the Customize Keys page. After you select this option, you can see a list of folders and programs is displayed. You might need to open one or more folders to view a program.
2. If you still do not see the desired program, select **Open a file** in the Customize Keys page. When you select this option, a list of all the drives, the folders, and the files on your system is displayed.

**Problem:** The ThinkVantage button does not work correctly.

**Solution:** Ensure that one of the following programs is installed on your computer, or the Windows system information window will be displayed when you press the ThinkVantage button:

- Lenovo Care
- Lenovo Device Experience
- Lenovo SimpleTap
- Lenovo Solution Center
- Lenovo ThinkVantage Toolbox
- ThinkVantage Productivity Center

**Problem:** The media launch key, volume down key, volume up key, or mute key does not work.

**Solution:** The media launch key, volume down key, volume up key, or mute key on the keyboard works only with computers that have audio software and a sound card installed.

If you have audio software that does 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 media launch key again. Pressing the media launch key automatically opens the Windows CD Player or the Windows DVD software. If the media launch key does work with the Windows CD Player or DVD software but not with your audio software, your audio software is not compatible with the keyboard.

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.

**Problem:** The rapid access keys do not work.

**Solution:** Ensure that the rapid access keys are enabled. See “Enabling or disabling the hot keys” on page 11 for more information.

**Problem:** My computer game locks up or is interrupted when I use the rapid access keys.

**Solution:** The on-screen display for the rapid access keys might interfere with some computer games. If your computer games are not functioning correctly when you use the rapid access keys, disable the on-screen display. For instructions to disable the on-screen display, see “Enabling or disabling the on-screen display” on page 11.

**Problem:** I press a key once, but the computer responds as if I pressed the key twice.

**Solution:** You might need to change your keyboard repeat delay or repeat rate settings.

To change the repeat delay or repeat rate settings, do the following:

**For the Windows XP operating system:**

1. Depending on your **Start** menu mode, click **Start → Control Panel** or **Start → Settings → Control Panel**.
2. Depending on your Control Panel mode, do one of the following:
  - Double-click **Keyboard**.
  - Click **Printers and Other Hardware → Keyboard**.
3. On the **Speed** tab, move the Repeat delay slider left to increase the repeat delay time or move the Repeat rate slider left to set a slower repeat rate.
4. Click **OK** to save the settings.

**For the Windows Vista or Windows 7 operating system:**

1. Depending on your **Start** menu mode, click **Start → Control Panel** or **Start → Settings → Control Panel**.
2. Depending on your Control Panel mode, do one of the following:
  - Click **Keyboard**.
  - Click **Hardware and Sound → Devices and Printers**. Then, right-click the keyboard icon and select **Keyboard settings**.
3. On the **Speed** tab, move the Repeat delay slider left to increase the repeat delay time or move the Repeat rate slider left to set a slower repeat rate.
4. Click **OK** to save the settings.

**For the Windows 8 operating system:**

1. Go to Control Panel by doing one of the following:
  - From the desktop, move the pointer to the top-right or bottom-right corner of the screen to display the charms, and then click **Settings → Control Panel**.
  - From the Start screen, do the following:
    - a. Move the pointer to the top-right or bottom-right corner of the screen to display the charms.
    - b. Click **Search**.
    - c. On the Apps screen, scroll to the right side, and click **Control Panel** in the **Windows System** section.
2. Depending on your Control Panel mode, do one of the following:
  - Click **Keyboard**.
  - Click **Hardware and Sound → Devices and Printers**. Then, right-click the keyboard icon and select **Keyboard settings**.

3. On the **Speed** tab, move the Repeat delay slider left to increase the repeat delay time or move the Repeat rate slider left to set a slower repeat rate.
4. Click **OK** to save the settings.

**For the Windows 8.1 operating system:**

1. Go to Control Panel by doing one of the following:
  - From the desktop, move the pointer to the top-right or bottom-right corner of the screen to display the charms, and then click **Settings → Control Panel**.
  - From the Start screen, do the following:
    - a. Click the arrow icon  in the bottom-left corner of the screen to go to the Apps screen.
    - b. Scroll to the right side, and click **Control Panel** in the **Windows System** section.
2. Depending on your Control Panel mode, do one of the following:
  - Click **Keyboard**.
  - Click **Hardware and Sound → Devices and Printers**. Then, right-click the keyboard icon and select **Keyboard settings**.
3. On the **Speed** tab, move the Repeat delay slider left to increase the repeat delay time or move the Repeat rate slider left to set a slower repeat rate.
4. Click **OK** to save the settings.

**Problem:** The USB performance is slow.

**Solution:** 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. The keyboard is intended for use with full-speed USB devices. High-speed devices, such as USB scanners or USB cameras cannot operate at their optimum performance level.

**Problem:** A device does not operate after I connect it to one of the USB connectors.

**Solution:** Ensure that you connect one device to a USB connector once. If a device does not work, connect it to the other USB connector to determine if there is a problem with a USB connector. The two USB connectors are low-power connectors. High-power devices or other USB devices cannot be connected with these USB connectors.

**Problem:** I have a problem not listed in this chapter.

**Solution:** For all other problems with your keyboard, try to uninstall and then install the device driver again. For instructions on how to uninstall and install the device driver, see “Uninstalling the device driver” on page 7 and “Installing the device drivers” on page 7.



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## Appendix A. Service and Support

The following information describes the technical support that is available for your product, during the warranty period or throughout the life of your product. Refer to the Lenovo Limited Warranty for a full explanation of Lenovo warranty terms.

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### Online technical support

Online technical support is available during the lifetime of a product at:  
<http://www.lenovo.com/support>

Product replacement assistance or exchange of defective components also is available during the warranty period. In addition, if your option is installed in a Lenovo computer, you might be entitled to service at your location. A Lenovo technical support representative can help you determine the best alternative.

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### Telephone technical support

Installation and configuration support through the Customer Support Center will be available until 90 days after the option has been withdrawn from marketing. After that time, the support is canceled, or made available for a fee, at Lenovo's discretion. Additional support is also available for a nominal fee.

Before contacting a Lenovo technical support representative, please have the following information available: option name and number, proof of purchase, computer manufacturer, model, serial number and manual, the exact wording of any error message, description of the problem, and the hardware and software configuration information for your system.

Your technical support representative might want to walk you through the problem while you are at your computer during the call.

Telephone numbers are subject to change without notice. The most up-to-date telephone list for Lenovo Support is always available at <http://www.lenovo.com/support/phone>. If the telephone number for your country or region is not listed, contact your Lenovo reseller or Lenovo marketing representative.



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## Appendix B. Lenovo Limited Warranty

L505-0010-02 08/2011

This Lenovo Limited Warranty consists of the following parts:

**Part 1 - General Terms**

**Part 2 - Country-specific Terms**

**Part 3 - Warranty Service Information**

The terms of **Part 2** replace or modify terms of **Part 1** as specified for a particular country.

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### Part 1 - General Terms

This Lenovo Limited Warranty applies only to Lenovo hardware products you purchased for your own use and not for resale. This Lenovo Limited Warranty is available in other languages at [www.lenovo.com/warranty](http://www.lenovo.com/warranty).

#### What this Warranty Covers

Lenovo warrants that each Lenovo hardware product that you purchase is free from defects in materials and workmanship under normal use during the warranty period. The warranty period for the product starts on the original date of purchase as shown on your sales receipt or invoice or as may be otherwise specified by Lenovo. The warranty period and type of warranty service that apply to your product are as specified in “**Part 3 - Warranty Service Information**” below. This warranty only applies to products in the country or region of purchase.

**THIS WARRANTY IS YOUR EXCLUSIVE WARRANTY AND REPLACES ALL OTHER WARRANTIES OR CONDITIONS, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTIES OR CONDITIONS OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. AS SOME STATES OR JURISDICTIONS DO NOT ALLOW THE EXCLUSION OF EXPRESS OR IMPLIED WARRANTIES, THE ABOVE EXCLUSION MAY NOT APPLY TO YOU. IN THAT EVENT, SUCH WARRANTIES APPLY ONLY TO THE EXTENT AND FOR SUCH DURATION AS REQUIRED BY LAW AND ARE LIMITED IN DURATION TO THE WARRANTY PERIOD. AS SOME STATES OR JURISDICTIONS DO NOT ALLOW LIMITATIONS ON THE DURATION OF AN IMPLIED WARRANTY, THE ABOVE LIMITATION ON DURATION MAY NOT APPLY TO YOU.**

#### How to Obtain Warranty Service

If the product does not function as warranted during the warranty period, you may obtain warranty service by contacting Lenovo or a Lenovo approved Service Provider. A list of approved Service Providers and their telephone numbers is available at: [www.lenovo.com/support/phone](http://www.lenovo.com/support/phone).

Warranty service may not be available in all locations and may differ from location to location. Charges may apply outside a Service Provider’s normal service area. Contact a local Service Provider for information specific to your location.

#### Customer Responsibilities for Warranty Service

Before warranty service is provided, you must take the following steps:

- follow the service request procedures specified by the Service Provider;

- backup or secure all programs and data contained in the product;
- provide the Service Provider with all system keys or passwords;
- provide the Service Provider with sufficient, free, and safe access to your facilities to perform service;
- remove all data, including confidential information, proprietary information and personal information, from the product or, if you are unable to remove any such information, modify the information to prevent its access by another party or so that it is not personal data under applicable law. The Service Provider shall not be responsible for the loss or disclosure of any data, including confidential information, proprietary information, or personal information, on a product returned or accessed for warranty service;
- remove all features, parts, options, alterations, and attachments not covered by the warranty;
- ensure that the product or part is free of any legal restrictions that prevent its replacement;
- if you are not the owner of a product or part, obtain authorization from the owner for the Service Provider to provide warranty service.

### **What Your Service Provider Will Do to Correct Problems**

When you contact a Service Provider, you must follow the specified problem determination and resolution procedures.

The Service Provider will attempt to diagnose and resolve your problem by telephone, e-mail or remote assistance. The Service Provider may direct you to download and install designated software updates.

Some problems may be resolved with a replacement part that you install yourself called a “Customer Replaceable Unit” or “CRU.” If so, the Service Provider will ship the CRU to you for you to install.

If your problem cannot be resolved over the telephone; through the application of software updates or the installation of a CRU, the Service Provider will arrange for service under the type of warranty service designated for the product under “**Part 3 - Warranty Service Information**” below.

If the Service Provider determines that it is unable to repair your product, the Service Provider will replace it with one that is at least functionally equivalent.

If the Service Provider determines that it is unable to either repair or replace your product, your sole remedy under this Limited Warranty is to return the product to your place of purchase or to Lenovo for a refund of your purchase price.

### **Replacement Products and Parts**

When warranty service involves the replacement of a product or part, the replaced product or part becomes Lenovo’s property and the replacement product or part becomes your property. Only unaltered Lenovo products and parts are eligible for replacement. The replacement product or part provided by Lenovo may not be new, but it will be in good working order and at least functionally equivalent to the original product or part. The replacement product or part shall be warranted for the balance of the period remaining on the original product.

### **Use of Personal Contact Information**

If you obtain service under this warranty, you authorize Lenovo to store, use and process information about your warranty service and your contact information, including name, phone numbers, address, and e-mail address. Lenovo may use this information to perform service under this warranty. We may contact you to inquire about your satisfaction with our warranty service or to notify you about any product recalls or safety issues. In accomplishing these purposes, you authorize Lenovo to transfer your information to any country where we do business and to provide it to entities acting on our behalf. We may also disclose it where required by law. Lenovo’s privacy policy is available at [www.lenovo.com/](http://www.lenovo.com/).

## **What this Warranty Does not Cover**

This warranty does not cover the following:

- uninterrupted or error-free operation of a product;
- loss of, or damage to, your data by a product;
- any software programs, whether provided with the product or installed subsequently;
- failure or damage resulting from misuse, abuse, accident, modification, unsuitable physical or operating environment, natural disasters, power surges, improper maintenance, or use not in accordance with product information materials;
- damage caused by a non-authorized service provider;
- failure of, or damage caused by, any third party products, including those that Lenovo may provide or integrate into the Lenovo product at your request;
- any technical or other support, such as assistance with “how-to” questions and those regarding product set-up and installation;
- products or parts with an altered identification label or from which the identification label has been removed.

## **Limitation of Liability**

Lenovo is responsible for loss or damage to your product only while it is in the Service Provider’s possession or in transit, if the Service Provider is responsible for the transportation.

Neither Lenovo nor the Service Provider is responsible for loss or disclosure of any data, including confidential information, proprietary information, or personal information, contained in a product.

**UNDER NO CIRCUMSTANCES, AND NOTWITHSTANDING THE FAILURE OF ESSENTIAL PURPOSE OF ANY REMEDY SET FORTH HEREIN, SHALL LENOVO, ITS AFFILIATES, SUPPLIERS, RESELLERS, OR SERVICE PROVIDERS BE LIABLE FOR ANY OF THE FOLLOWING EVEN IF INFORMED OF THEIR POSSIBILITY AND REGARDLESS OF WHETHER THE CLAIM IS BASED IN CONTRACT, WARRANTY, NEGLIGENCE, STRICT LIABILITY OR OTHER THEORY OF LIABILITY: 1) THIRD PARTY CLAIMS AGAINST YOU FOR DAMAGES; 2) LOSS, DAMAGE OR DISCLOSURE OF YOUR DATA; 3) SPECIAL, INCIDENTAL, PUNITIVE, INDIRECT OR CONSEQUENTIAL DAMAGES, INCLUDING BUT NOT LIMITED TO LOST PROFITS, BUSINESS REVENUE, GOODWILL OR ANTICIPATED SAVINGS. IN NO CASE SHALL THE TOTAL LIABILITY OF LENOVO, ITS AFFILIATES, SUPPLIERS, RESELLERS OR SERVICE PROVIDERS FOR DAMAGES FROM ANY CAUSE EXCEED THE AMOUNT OF ACTUAL DIRECT DAMAGES, NOT TO EXCEED THE AMOUNT PAID FOR THE PRODUCT.**

**THE FOREGOING LIMITATIONS DO NOT APPLY TO DAMAGES FOR BODILY INJURY (INCLUDING DEATH), DAMAGE TO REAL PROPERTY OR DAMAGE TO TANGIBLE PERSONAL PROPERTY FOR WHICH LENOVO IS LIABLE UNDER LAW. AS SOME STATES OR JURISDICTIONS DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, THE ABOVE LIMITATION OR EXCLUSION MAY NOT APPLY TO YOU.**

## **Your Other Rights**

**THIS WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS. YOU MAY HAVE OTHER RIGHTS ACCORDING TO THE APPLICABLE LAWS OF YOUR STATE OR JURISDICTION. YOU MAY ALSO HAVE OTHER RIGHTS UNDER A WRITTEN AGREEMENT WITH LENOVO. NOTHING IN THIS WARRANTY AFFECTS STATUTORY RIGHTS, INCLUDING RIGHTS OF CONSUMERS UNDER LAWS OR REGULATIONS GOVERNING THE SALE OF CONSUMER GOODS THAT CANNOT BE WAIVED OR LIMITED BY CONTRACT.**

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## **Part 2 - Country-specific Terms**

### **Australia**

“Lenovo” means Lenovo (Australia & New Zealand) Pty Limited ABN 70 112 394 411. Address: Level 10, North Tower, 1-5 Railway Street, Chatswood, NSW, 2067. Telephone: +61 2 8003 8200. Email: lenosyd\_au@lenovo.com

*The following replaces the same section in Part 1:*

### **What this Warranty Covers:**

Lenovo warrants that each hardware product that you purchase is free from defects in materials and workmanship under normal use and conditions during the warranty period. If the product fails due to a covered defect during the warranty period, Lenovo will provide you a remedy under this Limited Warranty. The warranty period for the product starts on the original date of purchase specified on your sales receipt or invoice unless Lenovo informs you otherwise in writing. The warranty period and type of warranty service that apply to your product are set forth below in **Part 3 - Warranty Service Information**.

**THE BENEFITS GIVEN BY THIS WARRANTY ARE IN ADDITION TO YOUR RIGHTS AND REMEDIES AT LAW, INCLUDING THOSE UNDER THE AUSTRALIAN CONSUMER LAW.**

*The following replaces the same section in Part 1:*

### **Replacement Products and Parts:**

When warranty service involves the replacement of a product or part, the replaced product or part becomes Lenovo’s property and the replacement product or part becomes your property. Only unaltered Lenovo products and parts are eligible for replacement. The replacement product or part provided by Lenovo may not be new, but it will be in good working order and at least functionally equivalent to the original product or part. The replacement product or part shall be warranted for the balance of the period remaining on the original product. Products and parts presented for repair may be replaced by refurbished products or parts of the same type rather than being repaired. Refurbished parts may be used to repair the product; and repair of the product may result in loss of data, if the product is capable of retaining user-generated data.

*The following is added to the same section in Part 1:*

### **Use of Personal Contact Information:**

Lenovo will not be able to perform our service under this warranty if you refuse to provide your information or do not wish us to transfer your information to our agent or contractor. You have the right to access your personal contact information and request correction of any errors in it pursuant to the Privacy Act 1988 by contacting Lenovo.

*The following replaces the same section in Part 1:*

### **Limitation of Liability:**

Lenovo is responsible for loss or damage to your product only while it is in the Service Provider’s possession or in transit, if the Service Provider is responsible for the transportation.

Neither Lenovo nor the Service Provider is responsible for loss or disclosure of any data, including confidential information, proprietary information, or personal information, contained in a product.

**TO THE EXTENT PERMITTED BY LAW, UNDER NO CIRCUMSTANCES AND NOTWITHSTANDING THE FAILURE OF ESSENTIAL PURPOSE OF ANY REMEDY SET FORTH HEREIN, SHALL LENOVO, ITS AFFILIATES, SUPPLIERS, RESELLERS, OR SERVICE PROVIDERS BE LIABLE FOR ANY OF THE FOLLOWING EVEN IF INFORMED OF THEIR POSSIBILITY AND REGARDLESS OF WHETHER THE CLAIM IS BASED IN CONTRACT, WARRANTY, NEGLIGENCE, STRICT LIABILITY OR OTHER THEORY**

**OF LIABILITY: 1) THIRD PARTY CLAIMS AGAINST YOU FOR DAMAGES; 2) LOSS, DAMAGE OR DISCLOSURE OF YOUR DATA; 3) SPECIAL, INCIDENTAL, PUNITIVE, INDIRECT OR CONSEQUENTIAL DAMAGES, INCLUDING BUT NOT LIMITED TO LOST PROFITS, BUSINESS REVENUE, GOODWILL OR ANTICIPATED SAVINGS. IN NO CASE SHALL THE TOTAL LIABILITY OF LENOVO, ITS AFFILIATES, SUPPLIERS, RESELLERS OR SERVICE PROVIDERS FOR DAMAGES FROM ANY CAUSE EXCEED THE AMOUNT OF ACTUAL DIRECT DAMAGES, NOT TO EXCEED THE AMOUNT PAID FOR THE PRODUCT.**

**THE FOREGOING LIMITATIONS DO NOT APPLY TO DAMAGES FOR BODILY INJURY (INCLUDING DEATH), DAMAGE TO REAL PROPERTY OR DAMAGE TO TANGIBLE PERSONAL PROPERTY FOR WHICH LENOVO IS LIABLE UNDER LAW.**

*The following replaces the same section in Part 1:*

**Your Other Rights:**

**THIS WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS. YOU ALSO HAVE OTHER RIGHTS AT LAW, INCLUDING UNDER THE AUSTRALIAN CONSUMER LAW. NOTHING IN THIS WARRANTY AFFECTS STATUTORY RIGHTS OR RIGHTS AT LAW, INCLUDING RIGHTS THAT CANNOT BE WAIVED OR LIMITED BY CONTRACT.**

For example, our products come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the products repaired or replaced if the products fail to be of acceptable quality and the failure does not amount to a major failure.

**New Zealand**

*The following is added to the same section in Part 1:*

**Use of Personal Information:**

Lenovo will not be able to perform our service under this warranty if you refuse to provide your information or do not wish us to transfer your information to our agent or contractor. You have the right to access your personal information and request correction of any errors in it pursuant to the Privacy Act 1993 by contacting Lenovo (Australia & New Zealand) Pty Limited ABN 70 112 394 411. Address: Level 10, North Tower, 1-5 Railway Street, Chatswood, NSW, 2067. Telephone: 61 2 8003 8200. Email: lensyd\_au@lenovo.com

**Bangladesh, Cambodia, India, Indonesia, Nepal, Philippines, Vietnam and Sri Lanka**

*The following is added to Part 1:*

**Dispute Resolution**

Disputes arising out of or in connection with this warranty shall be finally settled by arbitration held in Singapore. This warranty shall be governed, construed and enforced in accordance with the laws of Singapore, without regard to conflict of laws. If you acquired the product in **India**, disputes arising out of or in connection with this warranty shall be finally settled by arbitration held in Bangalore, India. Arbitration in Singapore shall be held in accordance with the Arbitration Rules of Singapore International Arbitration Center ("SIAC Rules") then in effect. Arbitration in India shall be held in accordance with the laws of India then in effect. The arbitration award shall be final and binding on the parties without appeal. Any award shall be in writing and set forth the findings of fact and the conclusions of law. All arbitration proceedings, including all documents presented in such proceedings shall be conducted in the English language. The English language version of this warranty prevails over any other language version in such proceedings.

## **European Economic Area (EEA)**

*The following is added to Part 1:*

Customers in the EEA may contact Lenovo at the following address: EMEA Service Organisation, Lenovo (International) B.V., Floor 2, Einsteinova 21, 851 01, Bratislava, Slovakia. Service under this warranty for Lenovo hardware products purchased in EEA countries may be obtained in any EEA country in which the product has been announced and made available by Lenovo.

## **Russia**

*The following is added to Part 1:*

## **Product Service Life**

The product service life is four (4) years from the original date of purchase.

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## **Part 3 - Warranty Service Information**

<b>Product Type</b>	<b>Country or Region of Purchase</b>	<b>Warranty Period</b>	<b>Type of Warranty Service</b>
Lenovo Enhanced Performance USB Keyboard	Europe, the Middle East, Africa, the United States, and Canada	3 years	1, 4
Lenovo Enhanced Performance USB Keyboard	Others	1 year	1, 4

If required, your Service Provider will provide repair or exchange service depending on the type of warranty service specified for your product and the available service. Scheduling of service will depend upon the time of your call, parts availability, and other factors.

## **Types of Warranty Service**

### **1. Customer Replaceable Unit (“CRU”) Service**

Under CRU Service, the Service Provider will ship CRUs to you at its cost for installation by you. CRU information and replacement instructions are shipped with your product and are available from Lenovo at any time upon request. CRUs that are easily installed by you are called “Self-service CRUs”. “Optional-service CRUs” are CRUs that may require some technical skill and tools. Installation of Self-service CRUs is your responsibility. You may request that a Service Provider install Optional-service CRUs under one of the other types of warranty service designated for your product. An optional service offering may be available for purchase from a Service Provider or Lenovo under which Self-service CRUs would be installed for you. You may find a list of CRUs and their designation in the publication that was shipped with your product or at [www.lenovo.com/CRUs](http://www.lenovo.com/CRUs). The requirement to return a defective CRU, if any, will be specified in the instructions shipped with a replacement CRU. When return is required: 1) return instructions, a prepaid return shipping label, and a container will be included with the replacement CRU; and 2) you may be charged for the replacement CRU if the Service Provider does not receive the defective CRU from you within thirty (30) days of your receipt of the replacement CRU.

### **2. On-site Service**

Under On-Site Service, a Service Provider will either repair or exchange the product at your location. You must provide a suitable working area to allow disassembly and reassembly of the product. Some repairs

may need to be completed at a service center. If so, the Service Provider will send the product to the service center at its expense.

### **3. Courier or Depot Service**

Under Courier or Depot Service, your product will be repaired or exchanged at a designated service center, with shipping at the expense of the Service Provider. You are responsible for disconnecting the product and packing it in a shipping container provided to you to return your product to a designated service center. A courier will pick up your product and deliver it to the designated service center. The service center will return the product to you at its expense.

### **4. Customer Carry-In Service**

Under Customer Carry-In Service, your product will be repaired or exchanged after you deliver it to a designated service center at your risk and expense. After the product has been repaired or exchanged, it will be made available to you for collection. If you fail to collect the product, the Service Provider may dispose of the product as it sees fit, with no liability to you.

### **5. Mail-In Service**

Under Mail-In Service, your product will be repaired or exchanged at a designated service center after you deliver it at your risk and expense. After the product has been repaired or exchanged, it will be returned to you at Lenovo's risk and expense, unless the Service Provider specifies otherwise.

### **6. Customer Two-Way Mail-In Service**

Under Customer Two-Way Mail-In Service, your product will be repaired or exchanged after you deliver it to a designated service center at your risk and expense. After the product has been repaired or exchanged, it will be made available to you for return shipping at your risk and expense. If you fail to arrange return shipment, the Service Provider may dispose of the product as it sees fit, with no liability to you.

### **7. Product Exchange Service**

Under Product Exchange Service, Lenovo will ship a replacement product to your location. You are responsible for its installation and verification of its operation. The replacement product becomes your property in exchange for the failed product, which becomes the property of Lenovo. You must pack the failed product in the shipping carton in which you received the replacement product and return it to Lenovo. Transportation charges, both ways, shall be at Lenovo's expense. If you fail to use the carton in which the replacement product was received, you may be responsible for any damage to the failed product occurring during shipment. You may be charged for the replacement product if Lenovo does not receive the failed product within thirty (30) days of your receipt of the replacement product.

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## **Suplemento de Garantía para México**

Este Suplemento de Garantía se considera parte integrante de la Garantía Limitada de Lenovo y será efectivo única y exclusivamente para los productos distribuidos y comercializados dentro del Territorio de los Estados Unidos Mexicanos. En caso de conflicto, se aplicarán los términos de este Suplemento.

El comercializador responsable del producto es Lenovo México S de R L de CV y para efectos de esta garantía en la República Mexicana su domicilio es Paseo de Tamarindos No.400-A Piso 27 Arcos Torre Poniente, Bosques de Las Lomas, Delegación Miguel Hidalgo, C.P. 05120 México, D.F. En el caso de que se precise una reparación cubierta por la garantía o precise de partes, componentes, consumibles o accesorios diríjase a este domicilio.

Si no existiese ningún Centro de servicio autorizado en su ciudad, población o en un radio de 70 kilómetros de su ciudad o población, la garantía incluirá cualquier gasto de entrega razonable relacionado con el transporte del producto a su Centro de servicio autorizado más cercano. Por favor, llame al Centro de servicio autorizado más cercano para obtener las aprobaciones necesarias o la información relacionada con el envío del producto y la dirección de envío.

Esta garantía ampara todas las piezas de hardware del producto e incluye mano de obra.

El procedimiento para hacer efectiva la garantía consiste en la presentación del producto, acompañado de la póliza correspondiente, debidamente sellada por el establecimiento que lo vendió, o la factura, o recibo o comprobante, en el que consten los datos específicos del producto objeto de la compraventa.

Lenovo sólo pueden eximirse de hacer efectiva la garantía en los siguientes casos: a) Cuando el producto se hubiese utilizado en condiciones distintas a las normales. b) Cuando el producto no hubiese sido operado de acuerdo con el instructivo de uso que se le acompaña. c) Cuando el producto hubiese sido alterado o reparado por personas no autorizadas por el fabricante nacional, importador o comercializador responsable respectivo.

Todos los programas de software precargados en el equipo sólo tendrán una garantía de noventa (90) días por defectos de instalación desde la fecha de compra. Lenovo no es responsable de la información incluida en dichos programas de software y /o cualquier programa de software adicional instalado por Usted o instalado después de la compra del producto.

La garantía cubre la atención, revisión y corrección de errores, defectos o inconsistencias que impidan el desempeño normal de un equipo de cómputo en cuanto a su hardware y software. Los servicios no cubiertos por la garantía se cargarán al usuario final, previa obtención de una autorización.

Esta garantía tiene una duración de un año a partir del momento de la compra e incluye la mano de obra, por lo que en caso de aplicarse la garantía, esta no causara ningún gasto o costo para el cliente.

Centros de Servicios autorizados para hacer efectiva la garantía:

- Lenovo México con domicilio en Paseo de Tamarindos No.400-A Piso 27 Arcos, Torre Poniente, Bosques de Las Lomas, Delegación Miguel Hidalgo, C.P. 05120 México, D.F. Teléfono 01800- 083-4916, [http://support.lenovo.com/es\\_MX/product-service/service-provider/default.page](http://support.lenovo.com/es_MX/product-service/service-provider/default.page)
- Lenovo Monterrey con domicilio en Boulevard Escobedo No.316, Apodaca Technology Park, Apodaca, C.P. 66601, Nuevo León, México. Teléfono 01800- 083-4916, [http://support.lenovo.com/es\\_MX/product-service/service-provider/default.page](http://support.lenovo.com/es_MX/product-service/service-provider/default.page)

**Importado por:**

**Lenovo México S. de R.L. de C.V.**

**Av. Santa Fe 505, Piso 15**

**Col. Cruz Manca**

**Cuajimalpa, D.F., México**

**C.P. 05349**

**Tel. (55) 5000 8500**

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## Appendix C. Electronic emission notices

The following information refers to the Lenovo Enhanced Performance USB Keyboard.

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### Federal Communications Commission Declaration of Conformity

#### Lenovo Enhanced Performance USB Keyboard - 73P2620

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 authorized dealer or service representative for help.

Lenovo is not responsible for any radio or television interference caused by using other than specified or 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:  
Lenovo (United States) Incorporated  
1009 Think Place - Building One  
Morrisville, NC 27560  
Phone Number: 919-294-5900



#### Industry Canada Compliance Statement

CAN ICES-3(B)/NMB-3(B)

#### European Union - Compliance to the Electromagnetic Compatibility Directive

This product is in conformity with the protection requirements of EU Council Directive 2004/108/EC on the approximation of the laws of the Member States relating to electromagnetic compatibility. Lenovo cannot accept responsibility for any failure to satisfy the protection requirements resulting from a non-recommended modification of the product, including the installation of option cards from other manufacturers.

This product has been tested and found to comply with the limits for Class B Information Technology Equipment according to 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.

Lenovo, Einsteinova 21, 851 01 Bratislava, Slovakia



## German Class B compliance statement

### Deutschsprachiger EU Hinweis:

#### Hinweis für Geräte der Klasse B EU-Richtlinie zur Elektromagnetischen Verträglichkeit

Dieses Produkt entspricht den Schutzanforderungen der EU-Richtlinie 2004/108/EG (früher 89/336/EWG) zur Angleichung der Rechtsvorschriften über die elektromagnetische Verträglichkeit in den EU-Mitgliedsstaaten und hält die Grenzwerte der EN 55022 Klasse B ein.

Um dieses sicherzustellen, sind die Geräte wie in den Handbüchern beschrieben zu installieren und zu betreiben. Des Weiteren dürfen auch nur von der Lenovo empfohlene Kabel angeschlossen werden. Lenovo übernimmt keine Verantwortung für die Einhaltung der Schutzanforderungen, wenn das Produkt ohne Zustimmung der Lenovo verändert bzw. wenn Erweiterungskomponenten von Fremdherstellern ohne Empfehlung der Lenovo gesteckt/eingebaut werden.

### Deutschland:

#### Einhaltung des Gesetzes über die elektromagnetische Verträglichkeit von Betriebsmitteln

Dieses Produkt entspricht dem „Gesetz über die elektromagnetische Verträglichkeit von Betriebsmitteln“ EMVG (früher „Gesetz über die elektromagnetische Verträglichkeit von Geräten“). Dies ist die Umsetzung der EU-Richtlinie 2004/108/EG (früher 89/336/EWG) in der Bundesrepublik Deutschland.

#### Zulassungsbescheinigung laut dem Deutschen Gesetz über die elektromagnetische Verträglichkeit von Betriebsmitteln, EMVG vom 20. Juli 2007 (früher Gesetz über die elektromagnetische Verträglichkeit von Geräten), bzw. der EMV EG Richtlinie 2004/108/EC (früher 89/336/EWG), für Geräte der Klasse B.

Dieses Gerät ist berechtigt, in Übereinstimmung mit dem Deutschen EMVG das EG-Konformitätszeichen - CE - zu führen. Verantwortlich für die Konformitätserklärung nach Paragraf 5 des EMVG ist die Lenovo (Deutschland) GmbH, Gropiusplatz 10, D-70563 Stuttgart.

Informationen in Hinsicht EMVG Paragraf 4 Abs. (1) 4:

**Das Gerät erfüllt die Schutzanforderungen nach EN 55024 und EN 55022 Klasse B.**

## Korea Class B compliance statement

<b>B급 기기 (가정용 방송통신기자재)</b>
이 기기는 가정용(B급) 전자파적합기기로서 주로 가정에서 사용하는 것을 목적으로 하며, 모든 지역에서 사용할 수 있습니다.

## Japan VCCI Class B compliance statement

この装置は、クラスB情報技術装置です。この装置は、家庭環境で使用することを目的としていますが、この装置がラジオやテレビジョン受信機に近接して使用されると、受信障害を引き起こすことがあります。

取扱説明書に従って正しい取り扱いをして下さい。

VCCI-B

## Lenovo product service information for Taiwan

台灣 Lenovo 產品服務資訊如下：  
荷蘭商聯想股份有限公司台灣分公司  
台北市內湖區堤頂大道二段89號5樓  
服務電話：0800-000-702



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## Appendix D. Notices

Lenovo may not offer the products, services, or features discussed in this document in all countries. Consult your local Lenovo representative for information on the products and services currently available in your area. Any reference to a Lenovo product, program, or service is not intended to state or imply that only that Lenovo product, program, or service may be used. Any functionally equivalent product, program, or service that does not infringe any Lenovo intellectual property right may be used instead. However, it is the user's responsibility to evaluate and verify the operation of any other product, program, or service.

Lenovo may have patents or pending patent applications covering subject matter described in this document. The furnishing of this document does not give you any license to these patents. You can send license inquiries, in writing, to:

*Lenovo (United States), Inc.  
1009 Think Place - Building One  
Morrisville, NC 27560  
U.S.A.  
Attention: Lenovo Director of Licensing*

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This information 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. Lenovo may make improvements and/or changes in the product(s) and/or the program(s) described in this publication at any time without notice.

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## Recycling information

Lenovo encourages owners of information technology (IT) equipment to responsibly recycle their equipment when it is no longer needed. Lenovo offers a variety of programs and services to assist equipment owners in recycling their IT products. For information on recycling Lenovo products, go to:  
<http://www.lenovo.com/recycling>

Recycling and disposal information for Japan is available at:  
<http://www.lenovo.com/recycling/japan>

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## Recycling information for China

### 《废弃电器电子产品回收处理管理条例》提示性说明

联想鼓励拥有联想品牌产品的用户当不再需要此类产品时，遵守国家废弃电器电子产品回收处理相关法律法规，将其交给当地具有国家认可的回收处理资质的厂商进行回收处理。更多回收服务信息，请点击进入  
<http://support.lenovo.com.cn/activity/551.htm>

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## Recycling information for Brazil

### Declarações de Reciclagem no Brasil

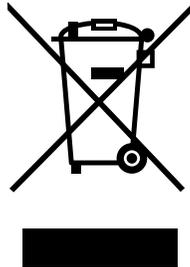
### Descarte de um Produto Lenovo Fora de Uso

Equipamentos elétricos e eletrônicos não devem ser descartados em lixo comum, mas enviados à pontos de coleta, autorizados pelo fabricante do produto para que sejam encaminhados e processados por empresas especializadas no manuseio de resíduos industriais, devidamente certificadas pelos órgãos ambientais, de acordo com a legislação local.

A Lenovo possui um canal específico para auxiliá-lo no descarte desses produtos. Caso você possua um produto Lenovo em situação de descarte, ligue para o nosso SAC ou encaminhe um e-mail para: [reciclar@lenovo.com](mailto:reciclar@lenovo.com), informando o modelo, número de série e cidade, a fim de enviarmos as instruções para o correto descarte do seu produto Lenovo.

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## Important WEEE information



The WEEE marking on Lenovo products applies to countries with WEEE and e-waste regulations (for example, the European WEEE Directive, India E-Waste Management & Handling Rules, 2011). Appliances are labeled in accordance with local regulations concerning waste electrical and electronic equipment (WEEE). These regulations determine the framework for the return and recycling of used appliances as applicable within each geography. This label is applied to various products to indicate that the product is not to be thrown away, but rather put in the established collection systems for reclaiming these end of life products.

Users of electrical and electronic equipment (EEE) with the WEEE marking must not dispose of end of life EEE as unsorted municipal waste, but use the collection framework available to them for the return, recycle, and recovery of WEEE and to minimize any potential effects of EEE on the environment and human health due to the presence of hazardous substances. For additional WEEE information go to: <http://www.lenovo.com/recycling>

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## Export Classification Notice

This product is subject to the United States Export Administration regulations (EAR) and has an Export Classification Control Number (ECCN) of 5A992.c. It can be re-exported except to any of the embargoed countries in the EAR E1 country list.

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## Trademarks

The following terms are trademarks or service marks of Lenovo in the United States, other countries, or both:

- Lenovo
- Lenovo Care
- The Lenovo logo
- ThinkVantage

Microsoft, Windows, and Windows Vista are trademarks of the Microsoft group of companies.

Other company, product, or service names may be trademarks or service marks of others.

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## Appendix E. Restriction of Hazardous Substances Directive (RoHS)

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### European Union RoHS

Lenovo products sold in the European Union, on or after 3 January 2013 meet the requirements of Directive 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment (“RoHS recast” or “RoHS 2”).

For more information about Lenovo progress on RoHS, go to:  
[http://www.lenovo.com/social\\_responsibility/us/en/RoHS\\_Communication.pdf](http://www.lenovo.com/social_responsibility/us/en/RoHS_Communication.pdf)

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### China RoHS

为满足中国电子电气产品有害物质限制相关的法律法规和其他要求，联想公司对本产品中有有害物质，按部件分类，声明如下。

部件名称	有害物质					
	铅 (Pb)	汞 (Hg)	镉 (Cd)	六价铬 (Cr (VI))	多溴联苯 (PBB)	多溴二苯醚 (PBDE)
印刷电路板组件*	X	O	O	O	O	O
外壳及附件	X	O	O	O	O	O

本表格依据SJ/T 11364的规定编制。  
O：表示该有害物质在该部件所有均质材料中的含量均在GB/T 26572规定的限量要求以下。  
X：表示该有害物质至少在该部件的某一均质材料中的含量超出GB/T 26572规定的限量要求。  
表中标记“X”的部件，皆因全球技术发展水平限制而无法实现有害物质的替代。  
印刷电路板组件\*：包括印刷电路板及其零部件，电子元器件等  
根据产品型号不同，您所购买的产品可能不会含有以上所有部件

 在中华人民共和国境内销售的电子电气产品上将印有“环保使用期” (EPuP) 符号。圆圈中的数字代表产品的正常环保使用年限。

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### Turkish RoHS

The Lenovo product meets the requirements of the Republic of Turkey Directive on the Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment (EEE).

#### Türkiye EEE Yönetmeliğine Uygunluk Beyanı

Bu Lenovo ürünü, T.C. Çevre ve Orman Bakanlığı'nın "Elektrik ve Elektronik Eşyalarda Bazı Zararlı Maddelerin Kullanımının Sınırlanmasına Dair Yönetmelik (EEE)" direktiflerine uygundur.

EEE Yönetmeliğine Uygundur.

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### Ukraine RoHS

Цим підтверджуємо, що продукція Леново відповідає вимогам нормативних актів України, які обмежують вміст небезпечних речовин

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### India RoHS

RoHS compliant as per E-Waste (Management & Handling) Rules, 2011.





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