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# Lenovo USB Port Replicator with Video User's Guide



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# Lenovo USB Port Replicator with Video User's Guide

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## Safety information

Before installing this product, read the Safety Information.

مج، يجب قراءة دات السلامة

Antes de instalar este produto, leia as Informações de Segurança.

在安装本产品之前，请仔细阅读 **Safety Information** (安全信息)。

Prije instalacije ovog produkta obavezno pročitajte Sigurnosne Upute.

Před instalací tohoto produktu si přečtěte příručku bezpečnostních instrukcí.

Læs sikkerhedsforskrifterne, før du installerer dette produkt.

Ennen kuin asennat tämän tuotteen, lue turvaohjeet kohdasta Safety Information.

Avant d'installer ce produit, lisez les consignes de sécurité.

Vor der Installation dieses Produkts die Sicherheitshinweise lesen.

Πριν εγκαταστήσετε το προϊόν αυτό, διαβάστε τις πληροφορίες ασφάλειας (safety information).

לפני שתתקינו מוצר זה, קראו את הוראות הבטיחות.

A termék telepítése előtt olvassa el a Biztonsági előírásokat!

Prima di installare questo prodotto, leggere le Informazioni sulla Sicurezza.

製品の設置の前に、安全情報をお読みください。

본 제품을 설치하기 전에 안전 정보를 읽으십시오.

Пред да се инсталира овој продукт, прочитајте информацијата за безбедност.

Lees voordat u dit product installeert eerst de veiligheidsvoorschriften.

Les sikkerhetsinformasjonen (Safety Information) før du installerer dette produktet.

Przed zainstalowaniem tego produktu, należy zapoznać się z książką "Informacje dotyczące bezpieczeństwa" (Safety Information).

Antes de instalar este produto, leia as Informações sobre Segurança.

Перед установкой продукта прочтите инструкции по технике безопасности.

Pred inštaláciou tohto produktu si prečítajte bezpečnostné informácie.

Pred namestitvijo tega proizvoda preberite Varnostne informacije.

Antes de instalar este producto lea la información de seguridad.

Läs säkerhetsinformationen innan du installerar den här produkten.

安裝本產品之前，請先閱讀「安全資訊」。



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## General safety guidelines

Always observe the following precautions to reduce the risk of injury and property damage.

---

### Service

Do not attempt to service a product yourself unless instructed to do so by the Customer Support Center. Use only a service provider who is approved to repair your particular product.

**Note:** Some parts can be upgraded or replaced by the customer. These parts are referred to as Customer Replaceable Units, or CRUs. Lenovo™ expressly identifies CRUs as such, and provides documentation with instructions when it is appropriate for customers to replace those parts. You must closely follow all instructions when performing such replacements. Always make sure that the power is turned off and that the product is unplugged from any power source before you attempt the replacement. If you have any questions or concerns, contact the Customer Support Center.

---

### Power cords and power adapters

Use only the power cords and power adapters supplied by the product manufacturer.

Never wrap a power cord around the power adapter or other object. Doing so can stress the cord in ways that can cause the cord to fray, crack or crimp. This can present a safety hazard.

Always route power cords so that they will not be walked on, tripped over, or pinched by objects.

Protect the cord and power adapters from liquids. For instance, do not leave your cord or power adapter near sinks, tubs, toilets, or on floors that are cleaned with liquid cleansers. Liquids can cause a short circuit, particularly if the cord or power adapter has been stressed by misuse. Liquids can also cause gradual corrosion of the power cord terminals and/or the connector terminals on the adapter which can eventually result in overheating.

Always connect power cords and signal cables in the correct order and ensure that all power cord connectors are securely and completely plugged into receptacles.

Do not use any power adapter that shows corrosion at the ac input pins and/or shows signs of overheating (such as deformed plastic) at the ac input or anywhere on the power adapter.

Do not use any power cords where the electrical contacts on either end show signs of corrosion or overheating or where the power cord appears to have been damaged in any way.

---

## Extension cords and related devices

Ensure that extension cords, surge protectors, uninterruptible power supplies, and power strips that you use are rated to handle the electrical requirements of the product. Never overload these devices. If power strips are used, the load should not exceed the power strip input rating. Consult an electrician for more information if you have questions about power loads, power requirements, and input ratings.

---

## Plugs and outlets

If a receptacle (power outlet) that you intend to use with your computer equipment appears to be damaged or corroded, do not use the outlet until it is replaced by a qualified electrician.

Do not bend or modify the plug. If the plug is damaged, contact the manufacturer to obtain a replacement.

Some products are equipped with a three-pronged plug. This plug fits only into a grounded electrical outlet. This is a safety feature. Do not defeat this safety feature by trying to insert it into a non-grounded outlet. If you cannot insert the plug into the outlet, contact an electrician for an approved outlet adapter or to replace the outlet with one that enables this safety feature. Never overload an electrical outlet. The overall system load should not exceed 80 percent of the branch circuit rating. Consult an electrician for more information if you have questions about power loads and branch circuit ratings.

Be sure that the power outlet you are using is properly wired, easily accessible, and located close to the equipment. Do not fully extend power cords in a way that will stress the cords.

Connect and disconnect the equipment from the electrical outlet carefully

---

## Batteries

All personal computers manufactured by Lenovo contain a non-rechargeable coin cell battery to provide power to the system clock. In addition many mobile products such as notebook PCs utilize a rechargeable battery pack to provide system power when in portable mode. Batteries supplied by Lenovo for use with your product have been tested for compatibility and should only be replaced with Lenovo approved parts.

Never attempt to open or service any battery. Do not crush, puncture, or incinerate batteries or short circuit the metal contacts. Do not expose the battery to water or other liquids. Only recharge the battery pack strictly according to instructions included in the product documentation.

Battery abuse or mishandling can cause the battery to overheat, which can cause gasses or flame to “vent” from the battery pack or coin cell. If your battery is damaged, or if you notice any discharge from your battery or the buildup of foreign materials on the battery leads, stop using the battery and obtain a replacement from the battery manufacturer.

Batteries can degrade when they are left unused for long periods of time. For some rechargeable batteries (particularly Lithium Ion batteries), leaving a battery unused in a discharged state could increase the risk of a battery short circuit, which could

shorten the life of the battery and can also pose a safety hazard. Do not let rechargeable Lithium-Ion batteries completely discharge or store these batteries in a discharged state.

---

## Heat and product ventilation

Computers generate heat when turned on and when batteries are charging. Notebook PCs can generate a significant amount of heat due to their compact size. Always follow these basic precautions:

- Do not leave the base of your computer in contact with your lap or any part of your body for an extended period when the computer is functioning or when the battery is charging. Your computer produces some heat during normal operation. Extended contact with the body could cause discomfort or, potentially, a skin burn.
- Do not operate your computer or charge the battery near flammable materials or in explosive environments.
- Ventilation slots, fans and/or heat sinks are provided with the product for safety, comfort, and reliable operation. These features might inadvertently become blocked by placing the product on a bed, sofa, carpet, or other flexible surface. Never block, cover or disable these features.

---

## CD and DVD drive safety

CD and DVD drives spin discs at a high speed. If a CD or DVD is cracked or otherwise physically damaged, it is possible for the disc to break apart or even shatter when the CD drive is in use. To protect against possible injury due to this situation, and to reduce the risk of damage to your machine, do the following:

- Always store CD/DVD discs in their original packaging
- Always store CD/DVD discs out of direct sunlight and away from direct heat sources
- Remove CD/DVD discs from the computer when not in use
- Do not bend or flex CD/DVD discs, or force them into the computer or their packaging
- Check CD/DVD discs for cracks before each use. Do not use cracked or damaged discs



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## Registering your option

Thank you for purchasing this Lenovo product. Please take a few moments to register your product and provide us with information that will help Lenovo 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 following Web site:

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

Lenovo 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.



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# Chapter 1. About the Lenovo USB Port Replicator with Video

This manual provides information on registering, installing, and using the Lenovo USB Port Replicator with Video and is available on the *Software and User's Guide Super CD* in the following languages:

- Arabic
- Brazilian Portuguese
- Czech
- French
- German
- Italian
- Japanese
- Simplified Chinese
- Slovak
- Spanish
- Traditional Chinese
- Turkish

The appendixes of this guide contain warranty information and legal notices.

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## Features

The USB port replicator, a portable expansion module, allows you to connect through a single USB connection up to four USB devices, a monitor, network (Ethernet/LAN) connection, speakers, a microphone, and a serial device.

The USB port replicator also offers a technology, which provides twice the USB specification for high power devices and USB ports that are widely spaced for larger adapters. The technology provides power to the USB ports even when your notebook is shutdown, disconnected from the USB port replicator or in hibernate or stand-by mode. This technology allows USB devices that charge through the USB port to keep charging under almost any circumstance.

Following are features of the USB port replicator.

### Heat dissipation by natural convection

Place the back edge of your laptop on the rubber laptop support pads of the USB port replicator. Most laptops dissipate heat through the bottom and the more air that's allowed to flow under the bottom, the better chance that heat will dissipate by natural convection. See Figure 1 on page 5.

### Comfort

The raised platform provides a more comfortable position for hands and increased airflow for better cooling.

### Available USB Port Replicator ports

Following is the list of available USB Port Replicator ports:

- 15-pin VGA (Supports 1280 x 1024 at 16 bit color)
- Two 3.5 mm audio: (1) stereo out and (1) microphone in
- RS232 serial

- RJ-45 ethernet 10/100
  - Two USB 2.0 (white)
  - Two USB power ports (black) - providing up to 1 amp
- 

## Package contents

In addition to this user's guide, your option package includes the following:

- Lenovo USB Port Replicator with Video
  - High-speed USB 2.0 upstream cable (1.8m)
  - Driver software/User Guide CD
  - AC power adapter (required)
- 

## System requirements

This section provides the hardware and operating system requirements.

### Hardware

- PC with an Intel® Pentium® processor or equivalent
- CD-ROM drive
- USB version 2.0 port
- AC power source (AC adapter required)

**Note:** When connected to a USB version 1.1 port on your computer, the port replicator performance level will be less than optimal and the video port will not function properly. For best results, connect it to a USB version 2.0 port.

### Operating system

- Windows® 2000 - Service Pack 2 or greater
- Windows XP - Service Pack 1 or greater

**Note:** To download latest service packs, please visit your computer manufacturer's Web site or the Microsoft download center: <http://support.microsoft.com>



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## Chapter 2. Installing the device and drivers

To use the Lenovo USB port replicator, you must first install the driver onto your computer. Connect the USB port replicator to your computer and Windows plug-and-play will install the hardware drivers for each port.

**Attention:** You must install the USB port replicator software before connecting it to your computer. Otherwise, the USB port replicator will not work properly.

---

### Installing the port replicator driver

Installing the USB port replicator driver enables your operating system to recognize the USB port replicator and its ports once it is connected.

1. Turn on your computer.
2. Insert the driver software CD into the CDROM drive of your computer.
3. If setup does not begin automatically, click **Start, Run**, then enter D:\Setup.exe (where D: is the path of your CD ROM drive) and then click OK.
4. Follow prompts to complete installation.
5. Click **Finish** and restart your computer when prompted.

---

### Connecting the port replicator to your computer

After installing the USB port replicator software, you are ready to connect the USB port replicator to your computer. To connect the port replicator,

1. Connect the supplied AC power adapter to the AC power jack on the USB port replicator.
2. Connect one end of the USB cable to the USB port replicator and the other end into an available USB 2.0 port on your computer.

**Note:** The port replicator will not function properly without the AC adapter plugged into an AC outlet.

Do not connect any devices to the port replicator until the installation is completed.

---

### Installing the default device drivers

Once you connect the port replicator to your computer, the default drivers begin installing for each of the ports. Some hardware devices may prompt you to install the drivers. To install the drivers:

1. Select **Install the software automatically (recommended)** and click **Next**.
2. Click **Finish** and repeat as needed for each device.

The Found New Hardware Wizard program begins installing the hardware drivers. The Completing the Found New Hardware Wizard screen appears.

3. Restart your computer.



---

## Chapter 3. LED status indicator lights

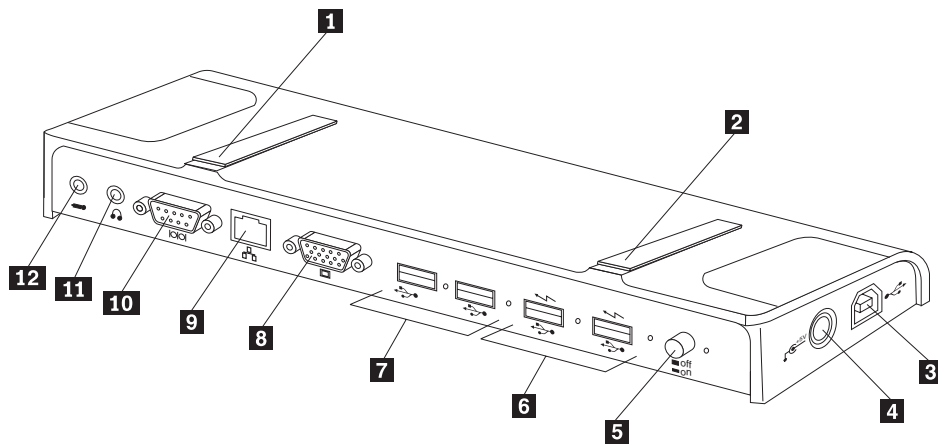
Once all device drivers are installed, the USB LED status indicator lights on the back of the port replicator glow and you can connect devices to the port replicator.

- Green Tx light illuminates when connected to a network and the yellow Rx light flashes when data is transmitting to or from the network.

**Note:** The port replicator supports hot swapping of the network cable.

- USB lights will glow when the port replicator is connected to your computer.
- The Always ON LED glows green when button is depressed.

Figure 1. Location of the connectors on the USB Port Replicator



- |                                    |                                     |
|------------------------------------|-------------------------------------|
| <b>1</b> Laptop Support Pad        | <b>7</b> USB standard ports (white) |
| <b>2</b> Laptop Support Pad        | <b>8</b> Serial connector           |
| <b>3</b> USB to PC connector       | <b>9</b> Network connector          |
| <b>4</b> AC Adapter connector      | <b>10</b> VGA connector             |
| <b>5</b> Always On button          | <b>11</b> Audio out connector       |
| <b>6</b> USB powered ports (black) | <b>12</b> Audio in connector        |



---

## Chapter 4. Connecting new devices

To avoid possible damage when connecting a new device, do not force the cable connector into the port on the port replicator. If the cable connector does not attach smoothly, turn the connector over and attach it again.

---

### Connecting a serial mouse

To connect a serial mouse, attach the cable connector to the serial port on the port replicator.

---

### Connecting and configuring a serial modem

To connect a serial modem:

1. Attach the cable connector to the serial port on the port replicator.
2. Install the modem software driver according to the instructions that come with the device.
3. When prompted to select the port, choose the Serial USB (COMx), where x is the COM port number assigned by your operating system.

---

### Connecting a PDA

1. Attach the cable connector to the serial port on the port replicator.
2. Verify that the COM port setting, in either your HotSync or ActiveSync<sup>®</sup> software, matches the setting on the port replicator.

To verify the COM port setting on the port replicator, refer to “Verifying that devices are installed” on page 17.

To verify the COM port setting on your PDA, refer to the documentation that came with it.

---

### Connecting to a local area network (LAN)

To connect an ethernet cable with RJ-45 connect, attach the cable connector to the ethernet/network port on the port replicator. Additional procedures to connect to an actual network depend on the type of network you are using. Contact your network administrator for detailed instructions.

---

### Connecting a USB device

To connect a USB device, plug it into a USB port on the port replicator and follow the additional instructions provided with the device. All four USB ports meet USB high-speed requirements by providing 480Mbps through-put and 500mA of power. However, the two black USB ports have two unique features. See details on “Always On button” on page 11. The white USB ports are high-speed ports that provide standard 500mA of power. The black USB power ports are high-speed ports that provide up to 1 amp.

---

### Connecting and configuring an audio device

1. Plug your headphones or speakers into the green 3.5 mm Audio Out port on the port replicator.
2. To connect a microphone, plug it into the mono Audio In port.
3. To enable your headphones or speakers, you must first choose USB Audio in the Properties Settings.
  - a. For Windows 2000, click **Start**, click **Settings**, click **Control Panel**, and then open the Sounds and Multimedia folder. Select the Audio tab. Under Sound Playback, change Preferred Device to USB Audio from the drop down list. Click **Apply**, then click **OK**.

- b. For Windows XP, go to the Control Panel and choose Sound and Audio. Select the Audio tab. Lenovo USB Port Replicator with Video Under Sound Playback, change Preferred Device to USB Audio from the drop down list. Click Apply, then click **OK**.

**Notes:**

1. Make sure the volume is not set to Mute. The headphone jack on your notebook computer will not function when connected to the port replicator.
2. Audio devices will not work simultaneously on the port replicator and the host computer.

---

## **Connecting to a monitor or an LCD**

Any monitor or LCD connected to the video port of the port replicator will be limited to a maximum resolution of 1280 x 1024, 16-bit color.

---

## Chapter 5. Video Menu Options

Video menu options can be accessed by right-clicking on the Display icon in the system tray or through the Windows Display Properties. The only menu option not accessible through Windows Display Properties is Mirror. This must be accessed through the Display icon.

- **Primary:** Using a monitor or LCD (not your notebook screen) as your primary screen.
- **Extended:** Using your notebook screen as your primary display and your monitor or LCD is a secondary screen.
- **Mirror:** Using your notebook screen as your primary display and your monitor or LCD replicates your notebook screen.
- **Off:** Using your notebook screen as your primary display and your monitor or LCD is turned off.
- **Resolution:** Changing resolution from the utility only affect the monitor connected to the port replicator video port.

|          | Notebook screen | Secondary monitor or LCD |
|----------|-----------------|--------------------------|
| Primary  | Off             | On                       |
| Extended | On              | On                       |
| Mirror   | On              | On                       |
| Off      | On              | Off                      |

**Note:** Some LCDs have been optimized for a specific resolution. If the optimum resolution is not 1024 x 768, the results may not be as desired.

- **Close:** Removing the video utility icon from the system tray. The icon can be replaced from the Start Menu or from the shortcut on your desktop.





---

## Chapter 6. Global suspend mode

When your computer is in suspend mode, the port replicator also enters suspend mode to avoid power consumption. When your computer wakes up, the port replicator wakes up automatically.

---

### Always On button

Press the Always On button to enable the black USB ports to continue providing power even when the laptop is powered down or disconnected from the port replicator. This allows you to charge the batteries of any USB rechargeable accessory you may have connected.

---

### USB devices that require more power

Some devices, which use large amounts of power, such as printers and optical drives, should be plugged into the USB Power Ports. These ports will provide up to 1000mA of power—double the power on standard USB ports.



---

## Appendix A. Product specifications

This appendix provides specifications about USB Port Replicator and lists the product restrictions.

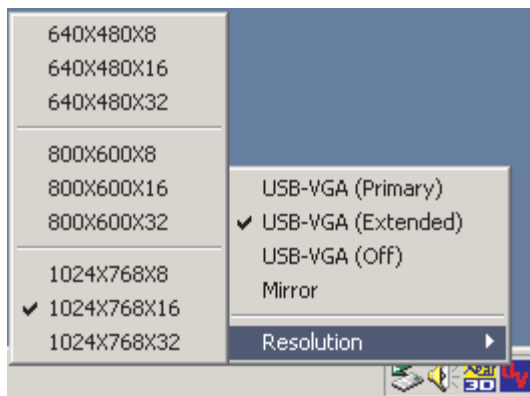
---

### Product Descriptions

#### Display utility

After the driver is installed, a utility will be installed in the lower right taskbar (next to clock). This utility allows you to quickly change the settings and resolution for your ACP50 Adapter. To access the menu, right-click on the icon shown in Figure 2.

Figure 2. Display Utility menu icon



#### LCDs and Widescreen

LCDs have optimal resolutions set by the manufacturer. Changing to a non-optimized resolution will result in degradation of video performance (for example, color distortions, fuzzy text, and non-optimal refresh rates). This includes widescreen resolutions.

#### Standard Video Resolutions and Terminology

| Technology | Resolution              |
|------------|-------------------------|
| VGA        | 640 x 480 (supported)   |
| SVGA       | 800 x 600 (supported)   |
| XGA        | 1024 x 768 (supported)  |
| WXGA       | 1366 x 768              |
| SXGA       | 1280 x 1024 (supported) |
| SXGA+      | 1400 x 1050             |
| WSXGA      | 1680 x 1050             |
| UXGA       | 1600 x 1200             |
| WUXGA      | 1920 x 1280             |

#### Video Resolutions:

USB Port Replicator supports four resolutions:

- 640 x 480
- 800 x 600
- 1024 x 768
- 1280 x 1024

### **Resolutions Color Depth**

640x480x (8, 16, 32 bit)

800x600x (8, 16, 32 bit)

1024x768x (8, 16, 32 bit)

1152x864x (8, 16, 32 bit)

1024x768x (8, 16, 32 bit)

1280x1024x (8, 16 bit)

The maximum refresh rate is 1280\*1024\*16 bit, 85Hz.

*Q: Can USB Port Replicator play VCD or DVD movies?*

A: Yes - However, see the limitations below. The ACP50 does not provide any DirectX support, so the software you use needs to be able to work in software only mode, or DirectX emulation mode.

The following programs have been tested and work with the ACP50.

- Quick Time 5 and higher.
- Power DVD 6.0 and higher. Power DVD player v 6.0 uses all software. You don't need to set our adapter as primary. For previous version you have to set our adapter as primary adapter.
- Real Player 10.5 and higher.
- Windows Media Player. Must set the ACP50 as primary adapter. If you want to use WinDVD, you have to set our adapter as primary, because WinDVD checks for DirectX support. Recommend video playback is at 640x480. Higher resolution playback will result in lower video performance.

*Q: Why is the number of colors on the extended display different from the primary?*

A: Please check the setting of extend display dpi, the display dpi supports 1280 x 1024 16bit.

*Q: What privileges are required to install the driver package and to use the USB Port Replicator?*

A: Administrative privileges are required to install the drivers. Only user level privileges are required to have access to all of the utility features.

*Q: Can I use the ACP50 without the AC power adapter?*

A: No, the AC power adapter is required for proper operation of the ACP50.

*Q: Can I watch streaming video from the internet on the external monitor with my computer network connected to the ACP50 network port?*

A: The ACP50 supports 10/100 networks. However, due to USB bandwidth limitations of 480 Mbits/sec, streaming video may appear to be a bit "choppy".

---

## Product Restrictions

Some devices may halt temporarily when a high data transfer is occurring. For example, your mouse may respond slowly while a graphic print job is printing or while you are experiencing heavy network traffic. See the following guidelines:

- Do not transfer data to or from multiple high-speed devices, such as a digital camera or scanner, at the same time.
- If speed degradation does occur, close other programs that use a USB device to improve device performance.
- Will not work with WinDVD (InterVideo).
- Will work with Power DAD Player v 6.0.
- If using WinDVD, set your adapter as primary, because WinDVD checks for DirectX® support. QuickTime also supports software playback. Windows Media® player supports software playback, but only as a primary adapter.
- Recommend video playback at 640x480.
- Audio in is mono audio in.



---

## Appendix B. Troubleshooting

This appendix gives information about troubleshooting your USB Port Replicator.

---

### Device not working

- Make sure that the device is fully inserted into the correct port on the port replicator.
- Plug the device into a different port on the port replicator. If it still doesn't work, test the device by connecting it directly to your computer.
- Verify that you ran the Setup or Install program for the device.
- Make sure that the device appears in Device Manager. For more information refer to "Verifying that devices are installed."
- Disconnect all devices from the port replicator and reconnect them, one at a time. Check that each device works before plugging in the next one.
- Each USB port is equipped with over-current protection. Should a USB device draw more current than the USB port can supply, the port will shut down. To re-enable the port, unplug the device and go to Device Manager or to the message in the system tray and choose the Reset option. You can then plug the device back into the USB port. If a shut down reoccurs, check the power requirements of the device.
- Make sure that the USB port that you are using is USB 2.0.
- Make sure you restart your computer after the driver installation.
- Reset, refresh, or resynchronize your monitor.

### Verifying that devices are installed

You can view the devices installed on the port replicator from the Device Manager window in System Properties. Right-click **My Computer, Properties**, then click the Hardware tab, and then the Device Manager button. From the Device Manager window, expand the following:

- Display Adapters — displays USB 2.0 VGA dock device
- Human Interface Devices — displays keyboards and pointing devices: mice, trackballs, and joysticks
- Network Adapters — displays ADM851X USB to fast ethernet adapter
- Ports (COM and LPT) — displays Serial on USB [COM x]
- Sound, Video and Game Controllers — displays USB audio device
- Universal Serial Bus controllers — displays the other devices installed for the port replicator and generic hub.

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### Verifying a serial modem connection

When attaching a modem to the serial (RS232) port, verify that the port assigned to your modem is Serial USB (COMx), where x is the number of the COM port. If the operating system does not detect automatically that your modem is assigned to Serial USB (COMx), run the Hardware Wizard again and choose Select from the list instead of Autodetect. Then, select Serial USB (COMx) as the COM port.

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### Error message on your PDA

If the error message "Connection Not Established" appears on your PDA, check that the COM port setting in either your HotSync or ActiveSync software matches the setting on the port replicator. See "Verifying that devices are installed" to verify the COM port setting on the port replicator.

Some older versions of the Palm Desktop software are not compatible with the USB to Serial conversion. Please contact your PDA vendor for software updates.

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## **Video**

*Can disk I/O functions such as, extensive reading and writing to an external hard drive or DVD, degrade video functionality?*

Yes. Since all data has to pass through a single USB connection, you may notice some degradation of your video performance. Video performance will return when disk read/write decreases or stops.



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## Appendix C. 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 the product. Refer to your Lenovo Statement of Limited Warranty for a full explanation of Lenovo warranty terms.

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### Online technical support

Online technical support is available during the life of your product through the Lenovo Support Web site at <http://www.lenovo.com/think/support>.

During the warranty period, assistance for replacement or exchange of defective components is available. In addition, if your option is installed in a Lenovo computer, you might be entitled to service at your location. Your 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 withdrawn or made available for a fee, at Lenovo'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, 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 a list of Service and Support phone numbers, see "Worldwide telephone list" on page 34. Phone numbers are subject to change without notice. For the most current phone numbers, go to <http://www.lenovo.com/think/support> and click **Support phone list**. If the number for your country or region is not listed, contact your reseller or Lenovo marketing representative.



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## Appendix D. Lenovo Statement of Limited Warranty

LSOLW-00 05/2005

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### Part 1 - General Terms

*This Statement of Limited Warranty includes Part 1 - General Terms, Part 2 - Country-unique Terms, and Part 3 - Warranty Information. The terms of Part 2 replace or modify those of Part 1. The warranties provided by Lenovo Group Limited or one of its subsidiaries (called "Lenovo") in this Statement of Limited Warranty apply only to Machines you purchase for your use, and not for resale. The term "Machine" means a Lenovo machine, its options, features, conversions, upgrades or peripheral products, or any combination of them. The term "Machine" does not include any software programs, whether pre-loaded with the Machine, installed subsequently or otherwise. **Nothing in this Statement of Limited Warranty affects any statutory rights of consumers that cannot be waived or limited by contract.***

#### What this Warranty Covers

Lenovo warrants that each Machine 1) is free from defects in materials and workmanship and 2) conforms to Lenovo's Official Published Specifications ("Specifications") which are available on request. The warranty period for the Machine starts on the original date of installation and is specified in Part 3 - Warranty Information. The date on your invoice or sales receipt is the date of installation unless Lenovo or your reseller informs you otherwise. Unless Lenovo specifies otherwise, these warranties apply only in the country or region in which you purchased the Machine.

**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. SOME STATES OR JURISDICTIONS DO NOT ALLOW THE EXCLUSION OF EXPRESS OR IMPLIED WARRANTIES, SO THE ABOVE EXCLUSION MAY NOT APPLY TO YOU. IN THAT EVENT, SUCH WARRANTIES ARE LIMITED IN DURATION TO THE WARRANTY PERIOD. NO WARRANTIES APPLY AFTER THAT PERIOD. SOME STATES OR JURISDICTIONS DO NOT ALLOW LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY LASTS, SO THE ABOVE LIMITATION MAY NOT APPLY TO YOU.**

#### What this Warranty Does not Cover

This warranty does not cover the following:

- any software programs, whether pre-loaded or shipped with the Machine, or installed subsequently;
- failure resulting from misuse, accident, modification, unsuitable physical or operating environment, or improper maintenance by you;
- failure caused by a product for which Lenovo is not responsible; and
- any non-Lenovo products, including those that Lenovo may procure and provide with or integrate into a Lenovo Machine at your request.

The warranty is voided by removal or alteration of identification labels on the Machine or its parts.

Lenovo 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 with "how-to" questions and those regarding Machine set-up and installation, is provided **WITHOUT WARRANTIES OF ANY KIND.**

#### How to Obtain Warranty Service

Warranty service may be provided by Lenovo, IBM, your reseller if authorized to perform warranty service, or an authorized warranty service provider. Each of them is referred to as a "Service Provider."

If the Machine does not function as warranted during the warranty period, contact a Service Provider. If you do not register the Machine with Lenovo, you may be required to present proof of purchase as evidence of your entitlement to warranty service.

### **What Lenovo Will Do to Correct Problems**

When you contact a Service Provider for service, you must follow the problem determination and resolution procedures that we specify. An initial diagnosis of your problem can be made either by a technician over the telephone or electronically by access to a support website.

The type of warranty service applicable to your Machine is specified in Part 3 - Warranty Information.

You are responsible for downloading and installing designated software updates from a support web site or from other electronic media, and following the instructions that your Service Provider provides. Software updates may include basic input/output system code (called "BIOS"), utility programs, device drivers, and other software updates.

If your problem can be resolved with a Customer Replaceable Unit ("CRU") (e.g., keyboard, mouse, speaker, memory, hard disk drive), your Service Provider will ship the CRU to you for you to install.

If the Machine does not function as warranted during the warranty period and your problem cannot be resolved over the telephone or electronically, through your application of software updates, or with a CRU, your Service Provider, will either, at its discretion, 1) repair it to make it function as warranted, or 2) replace it with one that is at least functionally equivalent. If your Service Provider is unable to do either, you may return the Machine to your place of purchase and your money will be refunded.

As part of the warranty service, your Service Provider may also install selected engineering changes that apply to the Machine.

### **Exchange of a Machine or Part**

When the warranty service involves the exchange of a Machine or part, the item your Service Provider replaces becomes Lenovo's 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.

### **Your Additional Responsibilities**

Before your Service Provider 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 your Service Provider service a Machine that you do not own; and
3. where applicable, before service is provided:
  - a. follow the service request procedures that your Service Provider provides;
  - b. backup or secure all programs, data, and funds contained in the Machine; and
  - c. provide your Service Provider with sufficient, free, and safe access to your facilities to permit Lenovo to fulfill its obligations.
4. (a) ensure all information about identified or identifiable individuals (Personal Data) is deleted from the Machine (to the extent technically possible), (b) allow your Service Provider or a supplier to process on your behalf any remaining Personal Data as your Service Provider considers necessary to fulfill its obligations under this Statement of Limited Warranty (which may include shipping the Machine for such processing to other service locations around the world), and (c) ensure that such processing complies with any laws applicable to such Personal Data.

### **Limitation of Liability**

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

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

Circumstances may arise where, because of a default on Lenovo's part or other liability, you are entitled to recover damages from Lenovo. In each such instance, regardless of the basis on which you are entitled to claim damages from Lenovo (including fundamental breach, negligence, misrepresentation, or other contract or tort claim), except for any liability that cannot be waived or limited by applicable laws, Lenovo is liable for no more than

1. damages for bodily injury (including death) and damage to real property and tangible personal property for which Lenovo is legally liable; and
2. the amount of any other actual direct damages, up to the charges for the Machine that is subject of the claim.

This limit also applies to Lenovo's suppliers, resellers and your Service Provider. It is the maximum for which Lenovo, its suppliers, resellers, and your Service Provider are collectively responsible.

**UNDER NO CIRCUMSTANCES IS LENOVO, ITS SUPPLIERS, RESELLERS OR SERVICE PROVIDERS LIABLE FOR ANY OF THE FOLLOWING EVEN IF INFORMED OF THEIR POSSIBILITY: 1) THIRD PARTY CLAIMS AGAINST YOU FOR DAMAGES (OTHER THAN THOSE UNDER THE FIRST ITEM LISTED ABOVE); 2) LOSS OF, OR DAMAGE TO, DATA; 3) SPECIAL, INCIDENTAL, OR INDIRECT DAMAGES OR FOR ANY ECONOMIC CONSEQUENTIAL DAMAGES; OR 4) LOST PROFITS, BUSINESS REVENUE, GOODWILL OR ANTICIPATED SAVINGS. SOME STATES OR 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 Lenovo 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 Lenovo's rights, duties, and obligations arising from, or relating in any manner to, the subject matter of this Statement of Limited Warranty, without regard to conflict of law principles.

**THESE WARRANTIES GIVE YOU SPECIFIC LEGAL RIGHTS AND YOU MAY ALSO HAVE OTHER RIGHTS WHICH VARY FROM STATE TO STATE OR JURISDICTION TO JURISDICTION.**

### **Jurisdiction**

All of our rights, duties, and obligations are subject to the courts of the country in which you acquired the Machine.

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## **Part 2 - Country-unique Terms**

### **AMERICAS**

#### **ARGENTINA**

**Jurisdiction:** *The following is added after the first sentence:*

Any litigation arising from this Statement of Limited Warranty will be settled exclusively by the Ordinary Commercial Court of the city of Buenos Aires.

## **BOLIVIA**

**Jurisdiction:** *The following is added after the first sentence:*

Any litigation arising from this Statement of Limited Warranty will be settled exclusively by the courts of the city of La Paz.

## **BRAZIL**

**Jurisdiction:** *The following is added after the first sentence:*

Any litigation arising from this Statement of Limited Warranty will be settled exclusively by the court of Rio de Janeiro, RJ.

## **CHILE**

**Jurisdiction:** *The following is added after the first sentence:*

Any litigation arising from this Statement of Limited Warranty will be settled exclusively by the Civil Courts of Justice of Santiago.

## **COLOMBIA**

**Jurisdiction:** *The following is added after the first sentence:*

Any litigation arising from this Statement of Limited Warranty will be settled exclusively by the Judges of the Republic of Colombia.

## **ECUADOR**

**Jurisdiction:** *The following is added after the first sentence:*

Any litigation arising from this Statement of Limited Warranty will be settled exclusively by the Judges of Quito.

## **MEXICO**

**Jurisdiction:** *The following is added after the first sentence:*

Any litigation arising from this Statement of Limited Warranty will be settled exclusively by the Federal Courts of Mexico City, Federal District.

## **PARAGUAY**

**Jurisdiction:** *The following is added after the first sentence:*

Any litigation arising from this Statement of Limited Warranty will be settled exclusively by the courts of the city of Asuncion.

## **PERU**

**Jurisdiction:** *The following is added after the first sentence:*

Any litigation arising from this Statement of Limited Warranty will be settled exclusively by the Judges and Tribunals of the Judicial District of Lima, Cercado.

**Limitation of Liability:** *The following is added at the end of this section:*

In accordance with Article 1328 of the Peruvian Civil Code the limitations and exclusions specified in this section will not apply to damages caused by Lenovo's willful misconduct ("dolo") or gross negligence ("culpa inexcusable").

## **URUGUAY**

**Jurisdiction:** *The following is added after the first sentence:*

Any litigation arising from this Statement of Limited Warranty will be settled exclusively by the City of Montevideo Court's Jurisdiction.

## **VENEZUELA**

**Jurisdiction:** *The following is added after the first sentence:*

Any litigation arising from this Statement of Limited Warranty will be settled exclusively by the Courts of the Metropolitan Area Of the City of Caracas.

## **NORTH AMERICA**

**How to Obtain Warranty Service:** *The following is added to this Section:*

To obtain warranty service from IBM service in Canada or the United States, call 1-800-IBM-SERV (426-7378).

#### **CANADA**

**Limitation of Liability:** *The following replaces item 1 of this section:*

1. damages for bodily injury (including death) or physical harm to real property and tangible personal property caused by Lenovo's negligence; and

**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**

**What this Warranty Covers:** *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 Lenovo is in breach of a condition or warranty implied by the Trade Practices Act 1974 or other similar legislation, Lenovo'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 AND LAOS**

**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, United States of America.

##### **CAMBODIA, INDONESIA, AND LAOS**

**Arbitration:** *The following is added under this heading:*

Disputes arising out of or in connection with this Statement of Limited Warranty shall be finally settled by arbitration which shall be held in Singapore in accordance with the Arbitration Rules of Singapore International Arbitration Center ("SIAC Rules") then in effect. The arbitration award shall be final and binding for the parties without appeal and shall be in writing and set forth the findings of fact and the conclusions of law.

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 who shall act as chairman of the proceedings. Vacancies in the post of chairman shall be filled by the president of the SIAC. 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.

All proceedings shall be conducted, including all documents presented in such proceedings, in the English language. The English language version of this Statement of Limited Warranty prevails over any other language version.

#### **HONG KONG S.A.R. OF CHINA AND MACAU S.A.R. OF CHINA**

**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 of China.

#### **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 Lenovo's negligence; and
2. as to any other actual damage arising in any situation involving nonperformance by Lenovo pursuant to, or in any way related to the subject of this Statement of Limited Warranty, the charge paid by you for the individual Machine that is the subject of the claim.

**Arbitration:** *The following is added under this heading*

Disputes arising out of or in connection with this Statement of Limited Warranty shall be finally settled by arbitration which shall be held in Bangalore, India in accordance with the laws of India then in effect. The arbitration award shall be final and binding for the parties without appeal and shall be in writing and set forth the findings of fact and the conclusions of law.

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 who shall act as chairman of the proceedings. Vacancies in the post of chairman shall be filled by the president of the Bar Council of India. 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.

All proceedings shall be conducted, including all documents presented in such proceedings, in the English language. The English language version of this Statement of Limited Warranty prevails over any other language version.

#### **JAPAN**

**Governing Law:** *The following sentence is added to this section:*

Any doubts concerning this Statement of Limited Warranty will be initially resolved between us in good faith and in accordance with the principle of mutual trust.

#### **MALAYSIA**

**Limitation of Liability:** The word "*SPECIAL*" in item 3 of the fifth paragraph is deleted.

#### **NEW ZEALAND**

**What this Warranty Covers:** *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 Lenovo 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 "laws of the country in which you acquired the Machine" in the first sentence:*

laws of the State of New York, United States of America (except when local law requires otherwise).

#### **PHILIPPINES**

**Limitation of Liability:** *Item 3 in the fifth paragraph is replaced by the following:*

**SPECIAL (INCLUDING NOMINAL AND EXEMPLARY DAMAGES), MORAL, INCIDENTAL, OR INDIRECT DAMAGES FOR ANY ECONOMIC CONSEQUENTIAL DAMAGES; OR**

**Arbitration:** The following is added: under this heading

Disputes arising out of or in connection with this Statement of Limited Warranty shall be finally settled by arbitration which shall be held in Metro Manila, Philippines in accordance with the laws of the Philippines then in effect. The arbitration award shall be final and binding for the parties without appeal and shall be in writing and set forth the findings of fact and the conclusions of law.

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 who shall act as chairman of the proceedings. Vacancies in the post of chairman shall be filled by the president of the Philippine Dispute Resolution Center, Inc.. 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.

All proceedings shall be conducted, including all documents presented in such proceedings, in the English language. The English language version of this Statement of Limited Warranty prevails over any other language version.

#### **SINGAPORE**

**Limitation of Liability:** *The words "SPECIAL" and "ECONOMIC" in item 3 in the fifth paragraph are deleted.*

#### **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 Lenovo or a Lenovo reseller.

#### **How to Obtain Warranty Service:**

*Add the following paragraph in **Western Europe** (Andorra, Austria, Belgium, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Liechtenstein, Lithuania, Luxembourg, Malta, Monaco, Netherlands, Norway, Poland, Portugal, San Marino, Slovakia, Slovenia, Spain, Sweden, Switzerland, United Kingdom, Vatican State, and any country subsequently added to the European Union, as from the date of accession):*

The warranty for Machines acquired in Western Europe shall be valid and applicable in all Western Europe countries provided the Machines have been announced and made available in such countries.

If you purchase a Machine in one of the Western European countries, as defined above, you may obtain warranty service for that Machine in any of those countries from a Service Provider, provided the Machine has been announced and made available by Lenovo in the country in which you wish to obtain service.

If you purchased a Personal Computer Machine in Albania, Armenia, Belarus, Bosnia and Herzegovina, Bulgaria, Croatia, Czech Republic, Georgia, Hungary, Kazakhstan, Kyrgyzstan, 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 a Service Provider, provided the Machine has been announced and made available by Lenovo in the country in which you wish to obtain service..

If you purchase a Machine in a Middle Eastern or African country, you may obtain warranty service for that Machine from a Service Provider within the country of purchase, provided the Machine has been announced and made available by Lenovo in that country. Warranty service in Africa is available within 50 kilometers of a Service Provider. You are responsible for transportation costs for Machines located outside 50 kilometers of a Service Provider.

#### **Governing Law:**

*The phrase "the laws of the country in which you acquired the Machine" is replaced by:*

1) "the laws of Austria" in **Albania, Armenia, Azerbaijan, Belarus, Bosnia-Herzegovina, Bulgaria, Croatia, Georgia, Hungary, Kazakhstan, Kyrgyzstan, FYR Macedonia, Moldova, Poland, Romania, Russia, Slovakia, Slovenia, Tajikistan, Turkmenistan, Ukraine, Uzbekistan, and FR Yugoslavia;** 2) "the laws of France" in **Algeria, Benin, Burkina Faso, Cameroon, Cape Verde, Central African Republic, Chad, Comoros, Congo Republic, Djibouti, Democratic Republic of Congo, Equatorial Guinea, French Guiana, French Polynesia, Gabon, Gambia, Guinea, Guinea-Bissau, Ivory Coast, Lebanon, Madagascar, Mali, Mauritania, Mauritius, Mayotte, Morocco, New Caledonia, Niger, Reunion, Senegal, Seychelles, Togo, Tunisia, Vanuatu, and Wallis & Futuna;** 3) "the laws of Finland" in **Estonia, Latvia, and Lithuania;** 4) "the laws of England" in **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, the United Kingdom, West Bank/Gaza, Yemen, Zambia, and Zimbabwe;** and 5) "the laws of South Africa" in **South Africa, Namibia, Lesotho and Swaziland.**

*Jurisdiction: The following exceptions are added to this section:*

1) **In Austria** the choice of jurisdiction for all disputes arising out of this Statement of Limited Warranty and relating thereto, including its existence, will be the competent court of law in Vienna, Austria (Inner-City); 2) **in 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, West Bank/Gaza, Yemen, Zambia, and Zimbabwe** all disputes arising out of this Statement of Limited Warranty or related to its execution, including summary proceedings, will be submitted to the exclusive jurisdiction of the English courts; 3) **in Belgium and Luxembourg**, all disputes arising out of this Statement of Limited Warranty or related to its interpretation or its execution, the law, and the courts of the capital city, of the country of your registered office and/or commercial site location only are competent; 4) **in France, Algeria, Benin, Burkina Faso, Cameroon, Cape Verde, Central African Republic, Chad, Comoros, Congo Republic, Djibouti, Democratic Republic of Congo, Equatorial Guinea, French Guiana, French Polynesia, Gabon, Gambia, Guinea, Guinea-Bissau, Ivory Coast, Lebanon, Madagascar, Mali, Mauritania, Mauritius, Mayotte, Morocco, New Caledonia, Niger, Reunion, Senegal, Seychelles, Togo, Tunisia, Vanuatu, and Wallis & Futuna** all disputes arising out of this Statement of Limited Warranty or related to its violation or execution, including summary proceedings, will be settled exclusively by the Commercial Court of Paris; 5) **in Russia**, all disputes arising out of or in relation to the interpretation, the violation, the termination, the nullity of the execution of this Statement of Limited Warranty shall be settled by Arbitration Court of Moscow; 6) **in South Africa, Namibia, Lesotho and Swaziland**, both of us agree to submit all disputes relating to this Statement of Limited Warranty to the jurisdiction of the High Court in Johannesburg; 7) **in Turkey** all disputes arising out of or in connection with this Statement of

Limited Warranty shall be resolved by the Istanbul Central (Sultanahmet) Courts and Execution Directorates of Istanbul, the Republic of Turkey; 8) in each of the following specified countries, any legal claim arising out of this Statement of Limited Warranty will be brought before, and settled exclusively by, the competent court of a) Athens for **Greece**, b) Tel Aviv-Jaffa for **Israel**, c) Milan for **Italy**, d) Lisbon for **Portugal**, and e) Madrid for **Spain**; and 9) **in the United Kingdom**, both of us agree to submit all disputes relating to this Statement of Limited Warranty to the jurisdiction of the English courts.

**Arbitration:** *The following is added under this heading:*

**In Albania, Armenia, Azerbaijan, Belarus, Bosnia-Herzegovina, Bulgaria, Croatia, Georgia, Hungary, Kazakhstan, Kyrgyzstan, FYR Macedonia, Moldova, Poland, Romania, Russia, Slovakia, Slovenia, Tajikistan, Turkmenistan, Ukraine, Uzbekistan, and FR Yugoslavia** all disputes arising out of this Statement of Limited Warranty or related to its violation, termination or nullity will be finally settled under the Rules of Arbitration and Conciliation of the International Arbitral Center of the Federal Economic Chamber in Vienna (Vienna Rules) by three arbitrators appointed in accordance with these rules. The arbitration will be held in Vienna, Austria, and the official language of the proceedings will be English. The decision of the arbitrators will be final and binding upon both parties. Therefore, pursuant to paragraph 598 (2) of the Austrian Code of Civil Procedure, the parties expressly waive the application of paragraph 595 (1) figure 7 of the Code. Lenovo may, however, institute proceedings in a competent court in the country of installation.

**In Estonia, Latvia and Lithuania** all disputes arising in connection with this Statement of Limited Warranty will be finally settled in arbitration that will be held in Helsinki, Finland in accordance with the arbitration laws of Finland then in effect. Each party will appoint one arbitrator. The arbitrators will then jointly appoint the chairman. If arbitrators cannot agree on the chairman, then the Central Chamber of Commerce in Helsinki will appoint the chairman.

## EUROPEAN UNION (EU)

### **THE FOLLOWING TERMS APPLY TO ALL EU COUNTRIES:**

The warranty for Machines acquired in EU countries is valid and applicable in all EU countries provided the Machines have been announced and made available in such countries.

**How to Obtain Warranty Service:** *The following is added to this section:*

To obtain warranty service from IBM service in EU countries, see the telephone listing in Part 3 - Warranty Information.

You may contact IBM service at the following address:

IBM Warranty & Service Quality Dept.  
PO Box 30  
Spango Valley  
Greenock  
Scotland PA16 0AH

## CONSUMERS

Consumers have legal rights under applicable national legislation governing the sale of consumer goods. Such rights are not affected by the warranties provided in this Statement of Limited Warranty.

## **AUSTRIA, DENMARK, FINLAND, GREECE, ITALY, NETHERLANDS, NORWAY, PORTUGAL, SPAIN, SWEDEN AND SWITZERLAND**

**Limitation of Liability:** *The following replaces the terms of this section in its entirety:*

Except as otherwise provided by mandatory law:

1. Lenovo's liability for any damages and losses that may arise as a consequence of the fulfillment of its obligations under or in connection with this Statement of Limited Warranty or due to any other cause related to this Statement of Limited Warranty is limited to the compensation of only those damages and losses proved and actually arising as an immediate and direct consequence of the non-fulfillment of such obligations (if Lenovo is at fault) or of such cause, for a maximum amount equal to the charges you paid for the Machine.

The above limitation shall not apply to damages for bodily injuries (including death) and damages to real property and tangible personal property for which Lenovo is legally liable.

2. **UNDER NO CIRCUMSTANCES IS LENOVO, ITS SUPPLIERS, RESELLERS OR SERVICE PROVIDERS LIABLE FOR ANY OF THE FOLLOWING, EVEN IF INFORMED OF THEIR POSSIBILITY: 1) LOSS OF, OR DAMAGE TO, DATA; 2) INCIDENTAL OR INDIRECT DAMAGES, OR FOR ANY ECONOMIC CONSEQUENTIAL DAMAGES; 3) LOST PROFITS, EVEN IF THEY ARISE AS AN IMMEDIATE CONSEQUENCE OF THE EVENT THAT GENERATED THE DAMAGES; OR 4) LOSS OF BUSINESS, REVENUE, GOODWILL, OR ANTICIPATED SAVINGS.**

#### FRANCE AND BELGIUM

**Limitation of Liability:** *The following replaces the terms of this section in its entirety:*

Except as otherwise provided by mandatory law:

1. Lenovo's liability for any damages and losses that may arise as a consequence of the fulfillment of its obligations under or in connection with this Statement of Limited Warranty is limited to the compensation of only those damages and losses proved and actually arising as an immediate and direct consequence of the non-fulfillment of such obligations (if Lenovo is at fault), for a maximum amount equal to the charges you paid for the Machine that has caused the damages.

The above limitation shall not apply to damages for bodily injuries (including death) and damages to real property and tangible personal property for which Lenovo is legally liable.

2. **UNDER NO CIRCUMSTANCES IS LENOVO, ITS SUPPLIERS, RESELLERS OR SERVICE PROVIDERS LIABLE FOR ANY OF THE FOLLOWING, EVEN IF INFORMED OF THEIR POSSIBILITY: 1) LOSS OF, OR DAMAGE TO, DATA; 2) INCIDENTAL OR INDIRECT DAMAGES, OR FOR ANY ECONOMIC CONSEQUENTIAL DAMAGES; 3) LOST PROFITS, EVEN IF THEY ARISE AS AN IMMEDIATE CONSEQUENCE OF THE EVENT THAT GENERATED THE DAMAGES; OR 4) LOSS OF BUSINESS, REVENUE, GOODWILL, OR ANTICIPATED SAVINGS.**

#### THE FOLLOWING TERMS APPLY TO THE COUNTRY SPECIFIED:

##### AUSTRIA

**The provisions of this Statement of Limited Warranty replace any applicable statutory warranties.**

**What this Warranty Covers:** *The following replaces the first sentence of the first paragraph of this section:*

The warranty for a Lenovo 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 limitation period for consumers in action for breach of warranty is the statutory period as a minimum. In case your Service Provider is unable to repair a Lenovo Machine, you can alternatively ask for a partial refund as far as justified by the reduced value of the unrepaired Machine or ask for a cancellation of the respective agreement for such Machine and get your money refunded.

*The second paragraph does not apply.*

**What Lenovo Will Do to Correct Problems:** *The following is added to this section:*

During the warranty period, Lenovo will reimburse you for the transportation charges for the delivery of the failing Machine to IBM Service.

**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 Lenovo with fraud or gross negligence and for express warranty.

*The following sentence is added to the end of item 2:*

Lenovo'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, Lenovo's liability will be limited to the total amount you paid for the Machine that is the subject of the claim.

*Applicability of suppliers, resellers, and Service Providers (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 Lenovo, Lenovo is liable for no more than: (items 1 and 2 unchanged).

## GERMANY

**What this Warranty Covers:** *The following replaces the first sentence of the first paragraph of this section:*

The warranty for a Lenovo 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 twelve months. In case your Service Provider is unable to repair a Lenovo Machine, you can alternatively ask for a partial refund as far as justified by the reduced value of the unrepaired Machine or ask for a cancellation of the respective agreement for such Machine and get your money refunded.

*The second paragraph does not apply.*

**What Lenovo Will Do to Correct Problems:** *The following is added to this section:*

During the warranty period, transportation for delivery of the failing Machine to Lenovo or IBM service will be at Lenovo'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 Lenovo with fraud or gross negligence and for express warranty.

*The following sentence is added to the end of item 2:*

Lenovo's liability under this item is limited to the violation of essential contractual terms in cases of ordinary negligence.

## HUNGARY

**Limitation of Liability:** *The following is added at the end of this section:*

The limitation and exclusion specified herein shall not apply to liability for a breach of contract damaging life, physical well-being, or health that has been caused intentionally, by gross negligence, or by a criminal act.

The parties accept the limitations of liability as valid provisions and state that the Section 314.(2) of the Hungarian Civil Code applies as the acquisition price as well as other advantages arising out of the present Statement of Limited Warranty balance this limitation of liability.

## IRELAND

**What this Warranty Covers:** *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 the terms of section in its entirety:*

For the purposes of this section, a "Default" means any act, statement, omission, or negligence on the part of Lenovo in connection with, or in relation to, the subject matter of this Statement of Limited



Warranty in respect of which Lenovo is legally liable to you, whether in contract or tort. A number of Defaults which together result in, or contribute to, substantially the same loss or damage will be treated as one Default occurring on the date of occurrence of the last such Default.

Circumstances may arise where, because of a Default, you are entitled to recover damages from Lenovo.

This section sets out the extent of Lenovo's liability and your sole remedy.

1. Lenovo will accept unlimited liability for death or personal injury caused by the negligence of Lenovo.
2. Subject always to the **Items for Which Lenovo is Not Liable** below, Lenovo will accept unlimited liability for physical damage to your tangible property resulting from the negligence of Lenovo.
3. Except as provided in items 1 and 2 above, Lenovo's entire liability for actual damages for any one Default will not in any event exceed 125% of the amount you paid for the Machine directly relating to the Default.

#### **Items for Which Lenovo is Not Liable**

Save with respect to any liability referred to in item 1 above, under no circumstances is Lenovo, its suppliers, resellers or Service Providers liable for any of the following, even if Lenovo or they were informed of the possibility of such losses:

1. loss of, or damage to, data;
2. special, indirect, or consequential loss; or
3. loss of profits, business, revenue, goodwill, or anticipated savings.

#### **SLOVAKIA**

**Limitation of Liability:** *The following is added to the end of the last paragraph:*

The limitations apply to the extent they are not prohibited under §§ 373-386 of the Slovak Commercial Code.

#### **SOUTH AFRICA, NAMIBIA, BOTSWANA, LESOTHO AND SWAZILAND**

**Limitation of Liability:** *The following is added to this section:*

Lenovo's entire liability to you for actual damages arising in all situations involving nonperformance by Lenovo 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 Lenovo.

#### **UNITED KINGDOM**

**Limitation of Liability:** *The following replaces the terms of this section in its entirety:*

For the purposes of this section, a "Default" means any act, statement, omission, or negligence on the part of Lenovo in connection with, or in relation to, the subject matter of this Statement of Limited Warranty in respect of which Lenovo is legally liable to you, whether in contract or tort. A number of Defaults which together result in, or contribute to, substantially the same loss or damage will be treated as one Default.

Circumstances may arise where, because of a Default, you are entitled to recover damages from Lenovo.

This section sets out the extent of Lenovo's liability and your sole remedy.

1. Lenovo will accept unlimited liability for:
  - a. death or personal injury caused by the negligence of Lenovo; and
  - b. any breach of its obligations implied by Section 12 of the Sale of Goods Act 1979 or Section 2 of the Supply of Goods and Services Act 1982, or any statutory modification or re-enactment of either such Section.
2. Lenovo will accept unlimited liability, subject always to the **Items for Which Lenovo is Not Liable** below, for physical damage to your tangible property resulting from the negligence of Lenovo.
3. Lenovo's entire liability for actual damages for any one Default will not in any event, except as provided in items 1 and 2 above, exceed 125% of the total purchase price payable or the charges for the Machine directly relating to the Default.

These limits also apply to Lenovo’s suppliers, resellers and Service Providers. They state the maximum for which Lenovo and such suppliers, resellers and Service Providers are collectively responsible.

**Items for Which Lenovo is Not Liable**

Save with respect to any liability referred to in item 1 above, under no circumstances is Lenovo or any of its suppliers, resellers or Service Providers liable for any of the following, even if Lenovo or they were informed of the possibility of such losses:

1. loss of, or damage to, data;
2. special, indirect, or consequential loss; or
3. loss of profits, business, revenue, goodwill, or anticipated savings.

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**Part 3 - Warranty Information**

This Part 3 provides information regarding the warranty applicable to your Machine, including the warranty period and type of warranty service Lenovo provides.

**Warranty Period**

The warranty period may vary by country or region and is specified in the table below. NOTE: "Region" means either Hong Kong or Macau Special Administrative Region of China.

A warranty period of 1 year on parts and 1 year on labor means that Lenovo provides warranty service during the first year of the warranty period.

| Machine Type        | Country or Region of Purchase | Warranty Period | Type of Warranty Service |
|---------------------|-------------------------------|-----------------|--------------------------|
| USB Port Replicator | Worldwide                     | 1 year          | 7                        |

**Types of Warranty Service**

If required, your Service Provider will provide repair or exchange service depending on the type of warranty service specified for your Machine in the above table and as described below. Scheduling of service will depend upon the time of your call and is subject to parts availability. Service levels are response time objectives and are not guaranteed. The specified level of warranty service may not be available in all worldwide locations, additional charges may apply outside your Service Provider’s normal service area, contact your local Service Provider representative or your reseller for country and location specific information.

**1. Customer Replaceable Unit ("CRU") Service**

Lenovo will ship CRUs to you for you to install, Tier 1 CRUs are easy to install whereas Tier 2 CRUs require some technical skill and tools. CRU information and replacement instructions are shipped with your Machine and are available from Lenovo at any time on your request. You may request that a Service Provider install CRUs, at no additional charge, under the type of warranty service designated for your Machine. Lenovo specifies in the materials shipped with a replacement CRU whether a defective CRU must be returned. When return is required, 1) return instructions and a container are shipped with the replacement CRU, and 2) you may be charged for the replacement CRU if Lenovo does not receive the defective CRU within 30 days of your receipt of the replacement.

**2. On-site Service**

Your Service Provider will either repair or exchange the failing Machine at your location and verify its operation. You must provide suitable working area to allow disassembly and reassembly of the Lenovo Machine. The area must be clean, well lit and suitable for the purpose. For some Machines, certain repairs may require sending the Machine to a designated service center.

**3. Courier or Depot Service \***

You will disconnect the failing Machine for collection arranged by your Service Provider. A shipping container will be provided to you for you to return your Machine to a designated service center. A

courier will pick up your Machine and deliver it to the designated service center. Following its repair or exchange, the service center will arrange the return delivery of the Machine to your location. You are responsible for its installation and verification.

**4. Customer Carry-In or Mail-In Service**

You will deliver or mail as your Service Provider specifies (prepaid unless specified otherwise) the failing Machine suitably packaged to a designated location. After the Machine has been repaired or exchanged, it will be made available for your collection or, for Mail-in Service, the Machine will be returned to you at Lenovo’s expense, unless your Service Provider specifies otherwise. You are responsible for the subsequent installation and verification of the Machine.

**5. CRU and On-site Service**

This type of Warranty Service is a combination of Type 1 and Type 2 (see above).

**6. CRU and Courier or Depot Service**

This type of Warranty Service is a combination of Type 1 and Type 3 (see above).

**7. CRU and Customer Carry-In or Mail-In Service**

This type of Warranty Service is a combination of Type 1 and Type 4 (see above).

**When a 5, 6 or 7 type of warranty service is listed, your Service Provider will determine which type of warranty service is appropriate for the repair.**

\* This type of service is called ThinkPad EasyServ or EasyServ in some countries.

To obtain warranty service contact a Service Provider. In Canada or the United States, call 1-800-IBM-SERV (426-7378). In other countries, see the telephone numbers below.

**Worldwide telephone list**

Phone numbers are subject to change without notice. For the most current phone numbers, go to <http://www.lenovo.com/think/support> and click **Support phone list**.

| Country or Region | Telephone Number   |
|-------------------|--|
| Africa            | Africa: +44 (0)1475-555-055<br>South Africa: +27-11-3028888 and 0800110756<br>Central Africa: Contact your Lenovo service provider                       |
| Argentina         | 0800-666-0011 (Spanish)  |
| Australia         | 131-426 (English)  |
| Austria           | Up and running support: 01-24592-5901<br>Warranty service and support: 01-211-454-610 (German)   |
| Belgium           | Up and running support: 02-210-9820 (Dutch)<br>Up and running support: 02-210-9800 (French)<br>Warranty service and support: 02-225-3611 (Dutch, French) |
| Bolivia           | 0800-0189 (Spanish)  |
| Brazil            | Sao Paulo region: (11) 3889-8986<br>Toll free outside Sao Paulo region: 0800-7014-815 (Brazilian Portuguese)   |
| Canada            | 1-800-565-3344 (English, French)<br>In Toronto only call: 416-383-3344   |
| Chile             | 800-224-488 (Spanish)  |
| China             | 800-810-1818 (Mandarin)  |



| Country or Region        | Telephone Number   |
|--------------------------|--|
| China (Hong Kong S.A.R.) | Home PC: 852-2825-7799<br>Commercial PC: 852-8205-0333<br>ThinkPad and WorkPad: 852-2825-6580<br>(Cantonese, English, Putonghua)                                   |
| Colombia                 | 1-800-912-3021 (Spanish)   |
| Costa Rica               | 284-3911 (Spanish)   |
| Croatia                  | 0800-0426  |
| Cyprus                   | +357-22-841100   |
| Czech Republic           | +420-2-7213-1316   |
| Denmark                  | Up and running support: 4520-8200<br>Warranty service and support: 7010-5150<br>(Danish)   |
| Dominican Republic       | 566-4755<br>566-5161 ext. 8201<br>Toll Free within the Dominican Republic: 1-200-1929<br>(Spanish)   |
| Ecuador                  | 1-800-426911 (Spanish)   |
| El Salvador              | 250-5696 (Spanish)   |
| Estonia                  | +386-61-1796-699   |
| Finland                  | Up and running support: 09-459-6960<br>Warranty service and support: +358-800-1-4260<br>(Finnish)  |
| France                   | Up and running support: 0238-557-450<br>Warranty service and support (hardware): 0810-631-213<br>Warranty service and support (software): 0810-631-020<br>(French) |
| Germany                  | Up and running support: 07032-15-49201<br>Warranty service and support: 01805-25-35-58<br>(German)   |
| Greece                   | +30-210-680-1700   |
| Guatemala                | 335-8490 (Spanish)   |
| Honduras                 | Tegucigalpa & San Pedro Sula: 232-4222<br>San Pedro Sula: 552-2234<br>(Spanish)  |
| Hungary                  | +36-1-382-5720   |
| India                    | 1600-44-6666<br>Alternate Toll Free: +91-80-2678-8940<br>(English)   |
| Indonesia                | 800-140-3555<br>+62-21-251-2955<br>(English, Bahasa Indonesian)  |
| Ireland                  | Up and running support: 01-815-9202<br>Warranty service and support: 01-881-1444<br>(English)  |
| Israel                   | Hebrew + 972-3-531-3900<br><br>English + 972-3-531-3900<br><br>8:30AM - 5:00PM Sunday - Thursday (Local time)  |

| Country or Region  | Telephone Number   |
|--------------------|--|
| Italy              | Up and running support: 02-7031-6101<br>Warranty service and support: +39-800-820094<br>(Italian)  |
| Japan              | Desktop:<br>Toll free: 0120-887-870<br>For International: +81-46-266-4724<br><br>ThinkPad:<br>Toll free: 0120-887-874<br>For International: +81-46-266-4724<br><br>Both of the above numbers will be answered with a Japanese language voice prompt. For telephone support in English, please wait for the Japanese voice prompt to end, and an operator will answer. Please ask for "English support please," and your call will be transferred to an English speaking operator.<br><br>PC Software:<br>0120-558-695<br>Overseas calls: +81-44-200-8666<br>(Japanese) |
| Korea              | 1588-5801 (Korean)   |
| Latvia             | +386-61-1796-699   |
| Lithuania          | +386-61-1796-699   |
| Luxembourg         | +352-298-977-5063 (French)   |
| Malaysia           | 1800-88-8558 (English, Bahasa Melayu)  |
| Malta              | +356-23-4175   |
| Mexico             | 001-866-434-2080 (Spanish)   |
| Middle East        | +44 (0)1475-555-055  |
| Netherlands        | +31-20-514-5770 (Dutch)  |
| New Zealand        | 0800-446-149 (English)   |
| Nicaragua          | 255-6658 (Spanish)   |
| Norway             | Up and running support: 6681-1100<br>Warranty service and support: 8152-1550<br>(Norwegian)  |
| Panama             | 206-6047 (Spanish)   |
| Peru               | 0-800-50-866 (Spanish)   |
| Philippines        | 1800-1888-1426<br>+63-2-995-8420<br>(English, Philipino)   |
| Poland             | +48-22-878-6999  |
| Portugal           | +351-21-892-7147 (Portuguese)  |
| Romania            | +4-021-224-4015  |
| Russian Federation | +7-095-940-2000 (Russian)  |
| Singapore          | 1800-3172-888 (English, Bahasa, Melayu)  |
| Slovakia           | +421-2-4954-1217   |
| Slovenia           | +386-1-4796-699  |

| Country or Region | Telephone Number   |
|-------------------|--|
| Spain             | 91-714-7983<br>91-397-6503<br>(Spanish)  |
| Sri Lanka         | +94-11-2448-442 (English)  |
| Sweden            | Up and running support: 08-477-4420<br>Warranty service and support: 077-117-1040<br>(Swedish)   |
| Switzerland       | Up and running support: 058-333-0900<br>Warranty service and support: 0800-55-54-54<br>(German, French, Italian)   |
| Taiwan            | 886-2-8723-9799 (Mandarin)   |
| Thailand          | 1-800-299-229 (Thai)   |
| Turkey            | 00800-4463-2041<br>(Turkish)   |
| United Kingdom    | Up and running support: 01475-555-055<br>Warranty service and support (hardware): 08705-500-900<br>Warranty service and support (software): 08457-151-516<br>(English) |
| United States     | 1-800-426-7378<br>(English)  |
| Uruguay           | 000-411-005-6649 (Spanish)   |
| Venezuela         | 0-800-100-2011 (Spanish)   |
| Vietnam           | For northern area and Hanoi: 84-4-8436675<br>For southern area and Ho Chi Minh City: 84-8-829-5160<br>(English, Vietnamese)  |

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## Guarantee supplement for Mexico

This supplement is considered part of Lenovo's Statement of Limited Warranty and shall be effective solely and exclusively for products distributed and commercialized within Territory of the Mexican United States. In the event of a conflict, the terms of this supplement shall apply.

All software programs pre-loaded in the equipment shall only have a thirty- (30) day guarantee for installation defects from the date of purchase. Lenovo is not responsible for the information in such software programs and/or any additional software programs installed by you or installed after purchase of the product.

Services not chargeable to the guarantee shall be charged to the final user, prior an authorization.

In the event that warranty repair is required please call the Customer Support Center at 001-866-434-2080, where you will be directed to the nearest Authorized Service Center. Should no Authorized Service Center exist in your city, location or within 70 kilometers of your city or location, the guarantee includes any reasonable delivery charges related to the transportation of the product to our nearest Authorized Service Center. Please call the nearest Authorized Service Center to obtain the necessary approvals or information concerning the shipment of the product and the shipment address.

To obtain a list of Authorized Service Centers, please visit:

<http://www.lenovo.com/mx/es/servicios>

**Manufactured by:**  
SCI Systems de México, S.A. de C.V.  
Av. De la Solidaridad Iberoamericana No. 7020  
Col. Club de Golf Atlas  
El Salto, Jalisco, México  
C.P. 45680,  
Tel. 01-800-3676900

**Marketing by:**  
Lenovo de México, Comercialización y  
Servicios, S. A. de C. V.  
Alfonso Nápoles Gándara No 3111  
Parque Corporativo de Peña Blanca  
Delegación Álvaro Obregón  
México, D.F., México  
C.P. 01210,  
Tel. 01-800-00-325-00

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## Appendix E. Notices

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Research Triangle Park, NC 27709  
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IBM is a trademark of International Business Machines Corporation in the United States, other countries, or both and is used under license.

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Intel and Pentium are trademarks of Intel Corporation in the United States, other countries, or both.

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

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## Appendix F. Electronic emission notices

The following information refers to Lenovo USB Port Replicator.

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### Federal Communications Commission (FCC) Statement

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 recommended cables or 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.

#### Industry Canada Class B emission compliance statement

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

#### Avis de conformité à la réglementation d'Industrie Canada

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

#### EU-EMC Directive (89/336/EG) EN 55022 class B Statement of Compliance

#### Deutschsprachiger EU Hinweis:

**Hinweis für Geräte der Klasse B EU-Richtlinie zur Elektromagnetischen Verträglichkeit** Dieses Produkt entspricht den Schutzanforderungen der EU-Richtlinie 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 Geräten** Dieses Produkt entspricht dem "Gesetz über die elektromagnetische Verträglichkeit von Geräten (EMVG)". Dies ist die Umsetzung der EU-Richtlinie 89/336/EWG in der Bundesrepublik Deutschland.

**Zulassungsbescheinigung laut dem Deutschen Gesetz über die elektromagnetische Verträglichkeit von Geräten (EMVG) vom 18. September 1998 (bzw. der EMC EG Richtlinie 89/336) 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, Pascalstr. 100, D-70569 Stuttgart. Informationen in Hinsicht EMVG Paragraf 4 Abs. (1) 4:

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

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

This product is in conformity with the protection requirements of EU Council Directive 89/336/ECC 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 fitting 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.

#### **Avis de conformité à la directive de l'Union Européenne**

Le présent produit satisfait aux exigences de protection énoncées dans la directive 89/336/CEE du Conseil concernant le rapprochement des législations des Etats membres relatives à la compatibilité électromagnétique. Lenovo décline toute responsabilité en cas de non-respect de cette directive résultant d'une modification non recommandée du produit, y compris l'ajout de cartes en option non Lenovo.

Ce produit respecte les limites des caractéristiques d'immunité des appareils de traitement de l'information définies par la classe B de la norme européenne EN 55022 (CISPR 22). La conformité aux spécifications de la classe B offre une garantie acceptable contre les perturbations avec les appareils de communication agréés, dans les zones résidentielles.

#### **Unión Europea - Normativa EMC**



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.

Lenovo 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 Lenovo.

Este producto ha sido probado y satisface los límites para Equipos Informáticos Clase B de conformidad con 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.

#### **Unione Europea - Directiva EMC (Conformidad electromagnética)**

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.

Lenovo 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 Lenovo.

Le prove effettuate sul presente prodotto hanno accertato che esso rientra nei limiti stabiliti per le apparecchiature di informatica Classe B ai sensi della 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.

#### **Korea Class B Compliance**

이 기기는 가정용으로 전자파 적합등록을 한 기기로서  
주거지역에서는 물론 모든 지역에서 사용할 수 있습니다.

#### **Japan VCCI Class B Compliance**

この装置は、情報処理装置等電波障害自主規制協議会（VCCI）の基準に基づくクラス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。

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

**高調波ガイドライン適合品**





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