Unpack



ThinkPad® computer

*Available on some models













Documentation

ac power adapter

ThinkPad Pen Pro*

Initial setup

1. Install the battery.

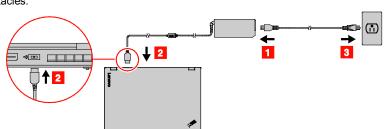


This system supports only batteries specially designed for this specific system and manufactured by Lenovo or an authorized builder. The system does not support unauthorized batteries or batteries designed for other systems. If an unauthorized battery or a battery designed for another system is installed, the system will not charge.

Attention: Lenovo has no responsibility for the performance or safety of unauthorized batteries, and provides no warranties for failures or damage arising out of their use

2. Connect the power cord to the ac power adapter 1, connect the ac power adapter to the power connector on your computer 2, and connect the power cord to a properly grounded ac power outlet 3. Ensure that all power cord connectors are securely and completely plugged into receptacles

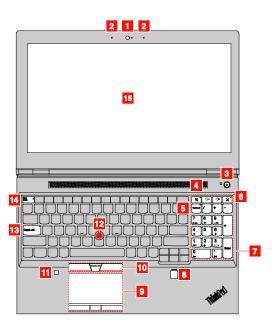
Battery



3. Press the power button to turn on the computer. Then follow the on-screen instructions to complete the initial setup

Controls and indicators

- 1 Camera*
- 2 Microphones*
- 3 Power button
- 4 Speaker-mute key with indicator
- 5 Numeric Lock key with indicator
- 6 Microphone-mute key with indicator
- Numeric keypad
- Fingerprint reader
- Trackpad with buttons
- TrackPoint® buttons
- 11 Color sensor*
- 12 TrackPoint pointing stick
- Caps Lock key with indicator
- 14 Esc key with the Fn Lock indicator
- Screen (multi-touch/non-touch)
- * Available on some models.



Accessing your User Guide

Your User Guide contains detailed information about your computer. To access your User Guide, do the following:

- 1. Open the Start menu and then click Lenovo Companion
- 2. Click View User Guide in the SUPPORT section

Lenovo makes constant improvements to the User Guide of your computer. To ensure that you have the up-to-date information of your computer, see "Downloading publications" for information about downloading the latest *User Guide*.

Recovery solutions

Your computer might not come with a Windows® recovery disc set or USB key. To restore the Microsoft® Windows operating system, see the recovery information in the *User Guide*. See "Accessing your *User Guide*" later in this document for additional information.

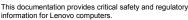
Downloading publications

Electronic versions of your computer publications are available from the Lenovo Support Web site. To download the publications for your computer, go to: http://www.lenovo.com/support

Read this documentation before using your







Safety information



DANGER

Plastic bags can be dangerous. Keep plastic bags away from babies and children to avoid danger of suffocation.

Notice for non-rechargeable coin-cell battery

If the coin-cell battery is incorrectly replaced, there is danger of an explosion. The battery contains a small amount of harmful substance. Do not heat to more than 100°C (212°F).

The following statement applies to users in the state of California, U.S.A. California Perchlorate Information

Products containing manganese dioxide lithium coin-cell batteries may contain perchlorate.

Perchlorate Material - special handling may apply, See www.dtsc.ca.gov/hazardouswaste/perchlorate

General battery notice

DANGER

been tested for compatibility and should only be replaced with approved parts. A battery other than the one specified by Lenovo, or a disassembled or modified battery is not covered

Battery abuse or mishandling can cause overheat, liquid leakage, or an explosion. To avoid possible injury, do the following:

Do not open, dissemble, or service any battery.

- Do not crush or puncture the battery
- Do not short-circuit the battery, or expose it to water or
- Keep the battery away from children. Keep the battery away from fire.
- Stop using the battery if it is damaged, or if you notice any discharge or the buildup of foreign materials on the battery

Store the rechargeable batteries or products containing the rechargeable batteries at room temperature, charged to approximately 30% to 50% of capacity. We recommend that the batteries be charged about once per year to prevent

Do not put the battery in trash that is disposed of in landfills. When disposing of the battery, comply with local ordinances or regulations.

Notice for removable rechargeable battery

Only recharge the battery strictly according to instructions included in the product documentation.

If the battery is incorrectly replaced, there is danger of an explosion. The battery contains a small amount of harmfu

Using headphones or earphones

Excessive sound pressure from earphones and headphones can cause hearing loss. Adjustment of the equalizer to maximum increases the earphone and headphone output voltage and the sound pressure level. Therefore, to protect your hearing, adjust the equalizer to an appropriate level.

Excessive use of headphones or earphones for a long period of Excessive use of neadpriones or earphones for a roing period of time at high volume can be dangerous if the output of the headphone or earphone connectors do not comply with specifications of EN 50332-2. The headphone output connector of your computer complies with EN 50332-2 Sub clause 7. This specification limits the computer's maximum wide band true RMS output voltage to 150 mV. To help protect against hearing loss, ensure that the headphones or earphones you use also comply with EN 50332-2 (Clause 7 Limits) or a wide band characteristic voltage of 75 mV. Using headphones that do not comply with EN 50332-2 can be dangerous due to excessive sound pressure levels.

If your Lenovo computer came with headphones or earphones in the package, as a set, the combination of the headphones or earphones and the computer already complies with the specifications of EN 50332-1. If different headphones or earphones are used, ensure that they comply with EN 50332-1 (Clause 6.5 Limitation Values). Using headphones that do not comply with EN 50332-1 can be dangerous due to excessive sound pressure levels

Service, support, and warranty information

The following information describes the technical support that is The following information describes the technical support that available for your product during the warranty period and throughout the life of your product. Online technical support is available during the lifetime of a product at http://www.lenovo.com/support.

If you purchased Lenovo services, refer to the following terms and

- For Lenovo Warranty Service Upgrades or Extensions, go
- http://support.lenovo.com/lwsu For Lenovo Accidental Damage Protection Services, go to: http://support.lenovo.com/ladps

Warranty information

Lenovo provides a warranty period for your computer. To check the warranty status of your computer, go to

http://www.lenovo.com/warranty-status, and then follow the instructions on the screen.

Your computer is covered by the terms of the Lenovo Limited Warranty (LLW), version L505-0010-02 08/2011. The LLW is displayed on your computer during the initial setup. If you cannot view the LLW either from your computer or from the Web site (http://www.lenovo.com/warranty/llw_02), contact your local Lenovo office or reseller to obtain a printed version.

After the initial setup has been completed, you can view the warranty information from your computer by doing the following

- 1. Open the Start menu and then click Lenovo Companion.
- 2. Click SUPPORT. The warranty information is listed in the WARRANTY & SERVICES section.

Customer Replaceable Units

Customer Replaceable Units (CRUs) are parts that can be upgraded or replaced by the customer. To view the instructions on replacing the CRUs, see the respective section in the *User Guide*. See "Accessing your *User Guide*" for additional information.

The CRUs for your computer are listed as following:

Self-service CRUs

- ac power adapter and power cord Battery Bottom cover Coin-cell battery

- Hard disk drive with the hard disk drive bracket
- Hard disk drive cable M.2 solid-state drive
- Memory module under the bottom cover Optional-service CRUs

Keyboard Memory module under the keyboard and the metal sheet Wireless WAN card*

* Available on some models

M.2 solid-state drive tray

Wireless LAN card

Support Web site.

Note: Your computer has two hard disk drive slots. One of the hard Note: Your computer has two hard unsk drives slots. One of the hard disk drive slots also can be used to install two M.2 solid-state drives. For more information about how to replace the storage drives, see the Hardware Maintenance Manual for your computer.

An electronic version of this manual can be found at Lenovo Worldwide telephone technical support

This section lists Lenovo Support telephone numbers. If you cannot find the support telephone number for your country or region contact your Lenovo reseller or Lenovo marketing representative.

Important: Telephone numbers are subject to change without notice. The most up-to-date telephone list for the Custor Support Center is always available at: http://www.lenovo.com/support/phone

Before contacting a Lenovo technical support representative, have the following information available: model and serial number, the exact wording of any error message, and a description of the

Country or region	Telephone number				
Algeria	33-6-7348 1739 (French, Spanish)				
Anguilla	1-800-426-7378 (English)				
Antigua and	1-800-426-7378 (English)				
Barbuda	2000 000 0044				
Argentina	0800-666-0011 (Spanish, English)				
Armenia	0-606-90-077				
7 timema	(Standard charges apply)				
	(Russian, English)				
Australia	1-800-041-267 (English)				
Austria	0810-100-654 (German)				
Bahamas	1-800-426-7378 (English)				
Bahrain	Kanoo IT: 00-973-1771-1722				
	Bahrain Business Machine LLC: 00-973-1758-4302				
	(Arabic, English)				
Bangladesh	AWSP Flora Limited:				
	70-200-6853 88-0171-000-0000 (Mobile)				
	Email: hasan_reaz@globalbrand.com.bd				
Barbados	02-339-36-11 (Warranty service and support				
	(Dutch, French)				
B 1	1-800-426-7378 (English)				
Belarus	8-256-400-184 (Standard sharges apply)				
	(Standard charges apply) (Russian, English)				
Bermuda	1-800-426-7378 (English)				
Bolivia	0800-10-0189 (Spanish)				
Bosnia and	387-3356-3170 (Bosnian)				
Herzegovina	,				
Brazil	Calls made from within the Sao Paulo region				
	11-3889-8986				
	Calls made from outside the Sao Paulo region				
	0800-701-4815				
Brunei	(Portuguese) Dial 800-1111, and then dial				
Darussalam	866-273-5446				
Darassalam	(Bahasa Melayu, English)				
Canada	1-800-565-3344 (English, French)				
Cayman Islands	1-800-426-7378 (English)				
Chile	800-361-213 (Spanish)				
China	Technical Support Line:				
	400-100-6000				
	(Mandarin)				
Colombia	01-800-912-3021				
Costa Rica	(Spanish) 0-800-011-1029 (Spanish)				
Croatia					
Cyprus	385-1-3033-120 (Hrvatski) 800-92537 (Greek)				
Czech Republic	800-353-637 (Czech)				
Denmark	7010-5150 (Warranty service and support)				
	(Danish)				
Dominican	1-866-434-2080 (Spanish)				
Republic					
Ecuador	1-800-426911-OPCION 4 (Spanish)				
Egypt	Primary: 0800-0000-850				
	Secondary: 0800-0000-744				
El Cabradas	(Arabic, English)				
El Salvador	800-6264 (English) 372-66-00-800				
Estonia	(Estonian, Russian, English)				
Finland	358-800-1-4260				
i illiana	(Warranty service and support) (Finnish)				
France	33-243-166-035 (Warranty service and				
	support) (French)				
Georgia	995-706-777-826				
-	(Standard charges apply)				
	(Russian, English)				
Germany	0800-500-4618 (Toll Free)				
_	(Warranty service and support) (German)				
Greece	Lenovo authorized warranty service provider				
Cranada	(Greek)				
Grenada	1-800-426-7378 (English)				

Reduce | Reuse | Recycle



Country or region						
Guatemala	999-9190 (Spanish)					
Honduras Hong Kong	800-0123 (Spanish) (852) 3516-8977					
Hungan	(Cantonese, English, Mandarin) +36-13-825-716					
Hungary	(English, Hungarian)					
India	(Primary) 1800-419-4666 (Tata)					
	(Secondary) 1800-3000-8465 (Reliance) Email: commercialts@lenovo.com					
Indonesia	(English, Hindi) 1-803-442-425					
indonesia	62 213-002-1090					
	(Standard charges apply)					
Ireland	(English, Bahasa Indonesia) 1-890-928-860 (English)					
Italy	39-800-820-094 (Warranty service and					
Jamaica	support) (Italian) 1-800-426-7378 (English)					
Japan	0120-000-817 (Japanese, English)					
Jordan	Jordan Business Systems: 00-962-6-500-0999 Ext 713/127					
	General Computer & Electronic (GCE): 00-					
	962-6-551-3879 (Arabic, English)					
Kazakhstan	77-273-231-427					
	(Standard charges apply) (Russian, English)					
Kenya	080-0733-256 (English)					
Korea	1670-0088 (Standard charges apply)					
	(Korean)					
Kuwait	Easa Hussain Al Yousifi: 00-965-2244-5280					
	AM. KHORAFI:					
	00-965-2200-1100 1127					
	Khorafi Business Machines (KBM): 00-965- 2259-4611					
	Diyar United Company:					
	00-965-4378-383 Redington Kuwait:					
	00-965-2433-3203; 2545-6250 / 2545-6251					
	(Arabic, English)					
Latvia	371-6707-0360					
Lebanon	(Latvian, Russian, English) Quantech: 00-961-1999-500					
	Computer Business Machine (CBM): 00-961- 1680-180					
	El Haceb S.A.L: 00-961-1771-300					
Lithuania	(Arabic, English, French)					
Lithuania Luxembourg	370 5278 6602 (Lithuanian, Russian, English) 352-360-385-222 (French)					
Macao	0800-807 / (852) 3071-3559					
Macedonia	(Cantonese, English, Mandarin) 389-2309-625 (Macedonian)					
Malaysia	1-800-88-0013					
	03-7724-8023 (Standard charges apply) (English)					
Malta	(English) 356-21-445-566					
	(English) 356-21-445-566 (English, Italian, Maltese, Arabic)					
Mexico	(English) 356-21-445-566 (English, Italian, Maltese, Arabic) 001-866-434-2080 (Spanish)					
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Mexico Moldova Morocco Nepal Netherlands New Zealand Nicaragua Nigeria Norway Oman Pakistan	[English) 356-21-445-566 (English, Italian, Maltese, Arabic) 001-866-434-2080 (Spanish) 0-602-23-433 (Standard charges apply) (Russian, English) 212-5-22-509-35 (Arabic) 977-1-423-3501 (Hunting), 977-980-113-3667 (Mobile) 020-513-3939 (Dutch) 0508-770-506 (English) 070-8060-1481 (English) 8152-1550 (Norwegian) Khimji Ramdas Computer Communication Systems: 00-908-2469-6255 Overseas Business Machines (OBM): 00-968-2460-1072, 2460-5018 Gulf Business Machines Services (GBMS): 00-968-2455-9831 International Office Products (pvt) Ltd.: 00-92-212-422-569 00-92-213-241-2023 Selling Business Systems: 00-92-21568-9823 001-866-434 (Lenovo Customer Support Center- toll free) (Spanish)					
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Mexico Moldova Morocco Nepal Netherlands New Zealand Nicaragua Nigeria Norway Oman Pakistan Panama Paraguay Peru	[English) 356-21-445-566 (English, Italian, Maltese, Arabic) 001-866-434-2080 (Spanish) 0-602-23-433 (Standard charges apply) (Russian, English) 212-5-22-509-35 (Arabic) 977-1-423-3501 (Hunting), 977-980-113-3667 (Mobile) 020-513-3939 (Dutch) 0508-770-506 (English) 070-8060-1481 (English) 8152-1550 (Norwegian) Khimji Ramdas Computer Communication Systems: 00-968-2469-6255 Overseas Business Machines (OBM): 00-988-2460-1072, 2460-5018 Gulf Business Machines Services (GBMS): 00-968-2459-9831 International Office Products (pvt) Ltd.: 00-92-212-422-569 00-92-213-241-2023 Selling Business Systems: 00-92-21-568-9823 001-866-434 (Lenovo Customer Support Center- toll free) (Spanish) 009-800-52-10026 (Spanish) 0-800-50-866 OPCION 2 (Spanish)					
Mexico Moldova Morocco Nepal Netherlands New Zealand Nicaragua Nigeria Norway Oman Pakistan Panama	[English) 356-21-445-566 (English, Italian, Maltese, Arabic) 001-866-434-2080 (Spanish) 0-602-23-433 (Standard charges apply) (Russian, English) 212-5-22-509-35 (Arabic) 977-1-423-3501 (Hunting), 977-980-113-3667 (Mobile) 020-513-3939 (Dutch) 0508-770-506 (English) 001-800-220-2282 (Spanish) 070-8060-1481 (English) 8152-1550 (Norwegian) Khimji Ramdas Computer Communication Systems: 00-968-2469-6255 0verseas Business Machines (OBM): 00-968-2460-1072, 2460-5018 Gulf Business Machines Services (GBMS): 00-968-2455-9831 International Office Products (pvt) Ltd.: 00-92-21-3-241-2023 Selling Business Systems: 00-92-21-568-9823 001-866-434 (Lenovo Customer Support Center- toll free) (Spanish) 00-9800-52-10026 (Spanish) 0-800-50-866 OPCION 2 (Spanish) +48-22-295-4950 +48-22-116-8656					
Mexico Moldova Morocco Nepal Netherlands New Zealand Nicaragua Nigeria Norway Oman Pakistan Panama Paraguay Peru Philippines	[English) 356-21-445-566 (English, Italian, Maltese, Arabic) 001-866-434-2080 (Spanish) 0-602-23-433 (Standard charges apply) (Russian, English) 212-5-22-509-35 (Arabic) 977-1-423-3501 (Hunting), 977-980-113-3667 (Mobile) 020-513-3939 (Dutch) 0508-770-506 (English) 070-8060-1481 (English) 8152-1550 (Norwegian) Khimji Ramdas Computer Communication Systems: 00-968-2469-6255 Overseas Business Machines (OBM): 00-988-2469-1072, 2460-5018 Gulf Business Machines Services (GBMS): 00-988-2459-9831 International Office Products (pvt) Ltd.: 00-92-213-241-2023 Selling Business Systems: 00-92-21-568-9823 001-866-434 (Lenovo Customer Support Center- toll free) (Spanish) 009-800-52-10026 (Spanish) 0-800-50-866 OPCION 2 (Spanish) 448-22-295-4950 4+48-22-2116-8656 (Tagalog, English)					
Mexico Moldova Morocco Nepal Netherlands New Zealand Nicaragua Nigeria Norway Oman Pakistan Panama Paraguay Peru	[English) 356-21-445-566 (English, Italian, Maltese, Arabic) 001-866-434-2080 (Spanish) 0-602-23-433 (Standard charges apply) (Russian, English) 212-5-22-509-35 (Arabic) 977-1-423-3501 (Hunting), 977-980-113-3667 (Mobile) 020-513-3939 (Dutch) 0508-770-506 (English) 001-800-220-2282 (Spanish) 070-8060-1481 (English) 8152-1550 (Norwegian) Khimji Ramdas Computer Communication Systems: 00-968-2469-6255 00-968-2469-1072, 2460-5018 Gulf Business Machines (OBM): 00-968-2469-1072, 2460-5018 Gulf Business Machines Services (GBMS): 00-968-2455-9831 International Office Products (pvt) Ltd.: 00-92-213-241-2023 Selling Business Systems: 00-92-213-241-2023 Selling Business Systems: 00-92-215-668-9823 001-866-434 (Lenovo Customer Support Center- toll free) (Spanish) 0.98-00-52-10026 (Spanish) 0-800-50-866 OPCION 2 (Spanish) +48-22-195-4950 +48-22-116-8656 (Tagalog, English)					
Mexico Moldova Morocco Nepal Netherlands New Zealand Nicaragua Nigeria Norway Oman Pakistan Panama Paraguay Peru Philippines	English 356-21-445-566 (English, Italian, Maltese, Arabic) 001-866-434-2080 (Spanish) 0-602-23-433 (Standard charges apply) (Russian, English) 212-5-22-509-35 (Arabic) 977-1-423-3501 (Hunting), 977-980-113-3667 (Mobile) 020-513-3939 (Dutch) 0508-770-506 (English) 001-800-220-2282 (Spanish) 070-8060-1481 (English) 8152-1550 (Norwegian) Khimji Ramdas Computer Communication Systems: 0.968-2469-6255 Overseas Business Machines (OBM): 0.968-2460-1072, 2460-5018 Gulf Business Machines Services (GBMS): 0.968-2459-9831 International Office Products (pvt) Ltd.: 0.90-92-213-241-2023 Selling Business Systems: 0.992-215-68-9823 001-866-434 (Lenovo Customer Support Center- toll free (Spanish) 0.980-552-10026 (Spanish) 0.980-50-866 OPCION 2 (Spanish) 448-22-295-4950 448-22-116-8656 (Folish, English) 448-22-116-8656 (Polish, English)					
Mexico Moldova Morocco Nepal Netherlands New Zealand Nicaragua Nigeria Norway Oman Pakistan Panama Paraguay Peru Philippines Poland	[English) 356-21-445-566 (English, Italian, Maltese, Arabic) 001-866-434-2080 (Spanish) 0-602-23-433 (Standard charges apply) (Russian, English) 212-5-22-509-35 (Arabic) 977-1-423-3501 (Hunting), 977-980-113-3667 (Mobile) 020-513-3939 (Dutch) 0508-770-506 (English) 070-8060-1481 (English) 8152-1550 (Norwegian) Khimji Ramdas Computer Communication Systems: 00-908-2469-6255 0Verseas Business Machines (OBM): 00-968-2460-1072, 2460-5018 Gulf Business Machines Services (GBMS): 00-968-2455-9831 International Office Products (pvt) Ltd.: 00-92-212-422-569 00-92-213-241-2023 Selling Business Systems: 00-92-568-9823 001-866-434 (Lenovo Customer Support Center- toll free) (Spanish) 00-980-52-10026 (Spanish) 0-800-50-866 OPCION 2 (Spanish) 0-800-50-866 OPCION 2 (Spanish) 448-22-118-8656 (Tagalog, English) 448-22-118-8656 (Polish, English) 808-225-115					
Mexico Moldova Morocco Nepal Netherlands New Zealand Nicaragua Nigeria Norway Oman Pakistan Panama Paraguay Peru Philippines	English 356-21-445-566 (English, Italian, Maltese, Arabic) 001-866-434-2080 (Spanish) 0-602-23-433 (Standard charges apply) (Russian, English) 212-5-22-509-35 (Arabic) 977-1-423-3501 (Hunting), 977-980-113-3667 (Mobile) 020-513-3939 (Dutch) 0508-770-506 (English) 001-800-220-2282 (Spanish) 070-8060-1481 (English) 8152-1550 (Norwegian) Khimji Ramdas Computer Communication Systems: 00-988-2469-6255 Overseas Business Machines (OBM): 00-988-2469-6255 Overseas Business Machines (OBM): 00-988-2459-9831 International Office Products (pvt) Ltd.: 00-92-213-241-2023 Selling Business Systems: 00-92-213-241-2023 Selling Business Systems: 00-92-215-343 (Lenovo Customer Support Center- toll free (Spanish) 00-800-50-866 OPCION 2 (Spanish) 0-800-50-866 OPCION 2 (Spanish) 0-800-50-866 OPCION 2 (Spanish) +48-22-295-4950 +48-22-295-4950 +48-22-116-8656 (Tagalog, English) 108-225-115 (Standard charges apply) (Portuguese) Al Mana Computer Services:					
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Country or region	Telephone number 7-495-240-8558				
	(Standard charges apply)				
	(Russian)				
Saint Kitts and	1-800-426-7378 (English)				
Nevis					
Saint Lucia	1-800-426-7378 (English)				
Saudi Arabia	800-84-451-28				
	(Standard charges apply)				
	(Arabic)				
Singapore	6818-5315 (Standard charges apply)				
• •	1-800-415-5529				
	(English, Mandarin, Bahasa Malaysia)				
Slovakia	00421-2-4974-8888				
	(Slovak)				
Slovenia	386-1-2005-60 (Slovenian)				
South Africa	0800-110-756 (English)				
Spain	917-147-833 (Spanish)				
Sri Lanka	9477-7357-123				
OII LAIIKA	(Sumathi Information systems) (English)				
Sweden	077-117-1040 (Warranty service and support				
	(Swedish)				
Switzerland	0800-55-54-54 (Warranty service and suppor				
Switzeriand	(German, French, Italian)				
Talina	0800-000-702 (Mandarin)				
Taiwan Thailand					
Inaliand	001-800-4415-734				
	(+662) 787-3067 (Standard charges apply)				
T ()	(Thai, English)				
Tortola	1-800-426 7378 (English)				
Turkey	444-04-26 (Turkish)				
Turks and Caicos	1-800-426-7378 (English)				
Ukraine	044-362-42-81 (Standard charges apply)				
	089-320-24-92 (Standard charges apply)				
	(Ukraine, Russian, English)				
United Arab	8000-3570-2810 (Standard charges apply)				
Emirates	(Arabic)				
United Kingdom	0333-777-3991 (National Rate)				
	(English)				
United States	1-800-426-7378 (English)				
Uruguay	000-411-005-6649 (Spanish)				
Venezuela	0-800-100-2011 (Spanish)				
Vietnam	120-11072 (Toll Free)				
	84-8-4458-1042 (Standard charges apply)				
Yemen	Al Khirbash and Agencies:				
	00-967-1209-8278				
	Yemen Business Machines (YBM):				
	00-967-3-213324				
	00-967-3-214655				
	00-967-3-213909				
	(Arabic)				

Lenovo product service information for Taiwan

委製商/進口商名稱: 荷蘭商聯想股份有限公司台灣分公司 進口商地址: 台北市內湖區堤頂大道2段89號5樓 進口商電話: 0800-000-702 (代表號)

Recycling and environmental information

Lenovo encourages owners of information technology (IT) equipment to responsibly recycle their equipment when it is no longer needed. Lenovo offers a variety of programs and services to assist equipment owners in recycling their IT products.

For information on recycling Lenovo products, go to: http://www.lenovo.com/recycling

For additional recycling and environmental statements, refer to your User Guide. See "Accessing your User Guide" for details.

The latest environmental information about our products is available at http://www.lenovo.com/ecodeclaration.

Important battery and WEEE information



Batteries and electrical and electronic equipment marked with the symbol of a crossed-out wheeled bin may not be disposed as unsorted municipal waste. Batteries and waste of electrical and electronic equipment WEEE's bell by trouted economic business to (WEEE) shall be treated separately using the collection framework available to customers for collection framework available to customers for the return, recycling, and treatment of batteries and WEEE. When possible, remove and isolate batteries from WEEE prior to placing WEEE in the waste collection stream. Batteries are to be collected separately using the framework available for the return, recycling, and treatment of batteries and accumulators.

Country-specific information is available at:

http://www.lenovo.com/recycling WEEE information (Hungary)

A magyar törvények értelmében, a 197/2014 (VIII.1.) kormányrendelet 12. szakaszának (1)-(5) cikkében foglaltak szerint Lenovo mint gyártó állja a keletkező költségeket.

Recycling information for Japan

日本でのリサイクルまたは廃棄についての詳細は、Web サイト http://www.lenovo.com/recycling/japan を参照してください。

Recycling information for China 《废弃电器电子产品回收处理管理条例》提示性说明

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

Restriction of Hazardous Substances (RoHS) Directive

European Union RoHS

This Lenovo product, with included parts (cables, cords, and so on) meets the requirements of Directive 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment ("RoHS recast" or "RoHS 2").

For more information about Lenovo worldwide compliance on RoHS, go to: http://www.lenovo.com/social_responsibility/us/en/RoHS_Communi

cation.pdf

China RoHS

The information in the following table is applicable for products manufactured on or after January 1, 2015 for sale in the People's Republic of China.

产品中有害物质的名称及含量

部件名称	铅	汞	镉	六价铬	多漠 联苯	多漠 二苯醛
	(Pb)	(Hg)	(Cd)	(Cr (VI))	(PBB)	(PBDE)
印刷电路 板组件	х	0	o	o	0	0
硬盘	x	0	0	О	0	0
光驱	х	0	0	О	0	0
LCD面板 (LED背光源)	x	o	o	o	0	0
键盘	х	o	o	o	0	0
内存	х	0	0	o	0	0
电池	х	0	О	О	0	0
电源适配器	х	0	0	o	0	0
底壳、顶盖和 扬声器	х	o	О	o	0	0

本表依据SJ/T 11364的规定编制。 O: 表示该有害物质在该部件所有均质材料中的含量均在GB/T

〇: 表示该有替物质在该部件所有均质材料中的含量对在语/I 26572标准规定的限量要求以下。 X: 表示该有害物质至少在该部件的某一均质材料中的含量超出 (B)/T 26572标准规定的限量要求。标记"X"的部件,皆因全球技术发展水平限制而无法实现有害物质的替代。申申临斯组件包括 印刷电路板 (PCB) 及其组件、集成电路 (IC) 和连接器。某些型号的产品可能不包含上表中的某些部件,请以实际购买机型为准。



在中华人民共和国境内销售的电子信息产品上将印有 "环保使用期限"(EPup)符号。圆圈中的数字代表产品的正常环保使用期限。

Turkish RoHS

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

Türkiye AEEE Yönetmeliğine Uygunluk Beyanı

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

AEEE Yönetmeliğine Uygundur.

Ukraine RoHS

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

India RoHS

RoHS compliant as per E-Waste (Management) Rules.

Compliance information

The latest compliance information is available at: http://www.lenovo.com/compliance

Electronic emission notices

This device has been tested and found to comply with the limits for a Class B digital device. The *User Guide* for this product provides the complete Class B compliance statements that are applicable for this device. See "Accessing your *User Guide*" for additional

Korean Class B compliance statement

B급 기기(가정용 방송통신기자재) 이 기기는 가정용(B급) 전자파적합기기로서 주로 가정에서 사용하는 것물 목적으로 하며, 모든 지역에서 사용할 수 있습니다

European Union conformity

EU contact: Lenovo, Einsteinova 21, 851 01 Bratislava, Slovakia



Compliance to Directives for Information Technology Equipment (ITE) and Radio Equipment

Models without a radio device: This product is in conformity with the protection requirements of EU Council Directive 2014/30/EU on the approximation of the laws of the Member States relating to the approximation of the laws of the Members Cates steaming of electromagnetic compatibility. The full compliance statement is located in the *User Guide*. See "Accessing your *User Guide*" in this document for additional information.

Models with a radio device: This product is in compliance with the essential requirements and other relevant provisions of the EU Council Radio and Telecommunications Terminal Equipment (R&TTE) Directive, 1999/5/EC. The Declaration of Conformity information related to the wireless function is located in the

Regulatory Notice, which you can download from the Lenovo Support Web site. See "Downloading publications" in this document for additional information.

Note: R&TTE 1999/5/EC remains in force during the transition period of Radio Equipment Directive (RED) 2014/53/EU until 12 June, 2017. After then, RED 2014/53/EU will take the place of R&TTE 1999/5/EC.

In addition, the product EU DoC can be obtained from the following

location: http://www.lenovo.com/compliance

Wireless-radio compliance information

Computer models equipped with wireless communications comply with the radio frequency and safety standards of any country or region in which it has been approved for wireless use.

Besides this document, ensure that you read the Regulatory Notice for your country or region before using the wireless devices contained in your computer. To obtain a PDF version of the Regulatory Notice, see "Downloading publications" in this

Brazil wireless-radio compliance information

Este equipamento opera em caráter secundário, isto é, não tem direito a proteção contra interferência prejudicial, mesmo de estações do mesmo tipo, e não pode causar interferência a sistemas operando em caráter primário.

This equipment is a secondary type device, that is, it is not protected against harmful interference, even if the interference is caused by a device of the same type, and it also cannot cause any interference to primary type devices.

Mexico wireless-radio compliance information

Advertencia: En Mexico la operación de este equipo está sujeta a las siguientes dos condiciones: (1) es posible que este equipo o dispositivo no cause interferencia perjudicial y (2) este equipo o dispositivo debe aceptar cualquier interferencia, incluyendo la que nueda causar su operación no deseada

Singapore wireless-radio compliance information

Complies with IMDA Standards DB102306

Korean wireless-radio compliance information

기기 준수 사항

무선설비 전파 혼신 (사용주파수 2400~2483.5, 5725~5825 무선제품해당).

해당 무선설비가 전파혼신 가능성이 있으므로 인명안전과 관련된 서비스는 할 수 없음.

For SAR models (SAR 대상인 제품에 한함)

SAR 정보

본 장치는 전파 노출에 대한 가이드라인을 충족합니다.

본 장치는 무선 송수신기 입니다. 본 장치는 국제 가이드라인으로 권장되는 전파 노출에 대한 제한을 초과하지 않도록 설계되었습니다. 장치 액세서리 및 최신 부품을 사용할 경우 SAR 값이 달라질 수 있 습니다. SAR 값은 국가 보고 및 테스트 요구 사랑과 네트워크 대역에 따라 다를 수 있습니다. 본 장치 는 사람의 신체에서 15mm 이상의 거리에서 사용할 수

Additional compliance information

Brazil audio notice

Ouvir sons com mais de 85 decibéis por longos períodos pode provocar danos ao sistema auditivo

Eurasian compliance mark



California BC mark



ENERGY STAR



Select models conform to ENERGY STAR® requirements, Additional ENERGY STAR information is in your User Guide. See "Accessing

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