



Safety and Warranty Guide

Brief user notices



Read this guide before you set up and use your product.



Lenovo support: <https://support.lenovo.com>



Lenovo user forums: <https://forums.lenovo.com>

For Barcode Position Only

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Lenovo™

Accessing your User Guide

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

For models with Lenovo Vantage:

1. Open the Start menu and then click **Lenovo Vantage**.
2. Expand **Health & Support** and then click **User Guide**.

For models with Lenovo Companion:

1. Open the Start menu and then click **Lenovo Companion**.
2. Click **SUPPORT** → **User Guide**.

For models supporting Ubuntu®:

Go to the following directory:

`/usr/share/doc/lenovo-doc`

Lenovo makes constant improvements to the *User Guide* for your computer. See "Downloading publications" for information about downloading the latest *User Guide*.

Downloading publications

Electronic versions of your computer publications are available for download from the Lenovo Support Web site:

<https://support.lenovo.com>

Recovery information

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*.

Safety information



Plastic bag notice

DANGER

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

General battery notice

DANGER

Batteries supplied by Lenovo for use with your product have 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 by the warranty.

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

- Do not open, disassemble, or service any battery.
- Do not crush or puncture the battery.
- Do not short-circuit the battery, or expose it to water or other liquids.
- 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 leads.

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 overdischarge.

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

DANGER

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 harmful substance.

Notice for built-in rechargeable battery

DANGER

Do not attempt to remove or replace the built-in rechargeable battery. Replacement of the battery must be done by a Lenovo-authorized repair facility or technician.

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

The Lenovo-authorized repair facilities or technicians recycle Lenovo batteries according to local laws and regulations.

Notice for non-rechargeable coin-cell battery

DANGER

Use only the authorized battery specified for your computer.

The battery contains a small amount of harmful substances. If the coin-cell battery is incorrectly replaced, there is danger of an explosion.

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

If the coin-cell battery is not a CRU, do not attempt to replace the coin-cell battery. Replacement of the battery must be done by a Lenovo-authorized repair facility or technician.

The Lenovo-authorized repair facilities or technicians recycle Lenovo batteries according to local laws and regulations.

Laser safety information (for products with optical drive)

CAUTION:

When laser products (such as CD-ROMs, DVD drives, fiber optic devices, or transmitters) are installed, note the following:

Do not remove the covers. Removing the covers of the laser product could result in exposure to hazardous laser radiation. There are no serviceable parts inside the device.

Use of controls or adjustments or performance of procedures other than those specified herein might result in hazardous radiation exposure.

DANGER

Some laser products contain an embedded Class 3B laser diode. Note the following:

Laser radiation when open. Do not stare into the beam, do not view directly with optical instruments, and avoid direct exposure to the beam.

Using headphones or earphones

CAUTION:

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 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 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 <https://support.lenovo.com>.

If you purchased Lenovo services, refer to the following terms and conditions for detailed information:

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

Warranty information

Lenovo provides a warranty period for your computer. To check the warranty status of your computer, go to <https://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 (https://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:

For models with Lenovo Vantage:

- Open the Start menu and then click **Lenovo Vantage**.
- Expand **Health & Support** and then click **Warranty & Service**.

For models with Lenovo Companion:

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

For models supporting Ubuntu:

Go to the following directory:

`/usr/share/doc/lenovo-doc`

Customer Replaceable Units

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

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. 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 problem.

Important: Telephone numbers are subject to change without notice. The most up-to-date telephone list for the Customer Support Center is always available at: <https://pcsupport.lenovo.com/supportphonelist>

Country or region	Telephone number
Algeria	33-6-7348 1739 (French, Spanish)
Anguilla	1-800-426-7378 (English)
Antigua and Barbuda	1-800-426-7378 (English)
Argentina	0800-666-0011 (Spanish, English)
Armenia	374 11300300 374 10586048 (Standard charges apply) (Russian, English)
Australia	1-800-043-849 (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) 1-800-426-7378 (English)
Belarus	375296885522 (Standard charges apply) (Russian, English)
Bermuda	1-800-426-7378 (English)
Bolivia	0800-10-0189 (Spanish)
Bosnia and Herzegovina	387 (0)33 563-150 (Bosnian)
Brazil	Calls made from within the Sao Paulo region: 0800-885-0500 Calls made from outside the Sao Paulo region: 0800-701-4815 (Portuguese)
Brunei Darussalam	801-4440 (Malay, English)
Canada	1-800-565-3344 (English, French)
Cayman Islands	1-800-426-7378 (English)
Chile	800-361-213 (Spanish)
Colombia	01-800-912-3021 (Spanish)
Costa Rica	0-800-011-1029 (Spanish)
Croatia	30-32736 (Croatian)
Cyprus	357-227-11300 (Greek)
Czech Republic	800-353-637 (Czech)
Denmark	7010-5150 (Warranty service and support) (Danish)
Dominica	1-800-426-7378
Dominican Republic	1-866-434-2080 (Spanish)
Ecuador	1800 000 661 (Spanish)
El Salvador	800-6264 (English)
Egypt	Primary: 0800-0000-850 Secondary: 0800-0000-744

Country or region	Telephone number
Estonia	372-66-00-800 (Estonian, Russian, English)
Finland	0974790251 and then press 3 (Finnish)
France	(0)1.70.38.19.27 (Warranty service and support) (French)
Georgia	99 5322945439 (Russian, English)
Germany	0800-500-4618 (Toll Free) (Warranty service and support) (German)
Greece	0030-2104-800-499 (Greek)
Grenada	1-800-426-7378 (English)
Guatemala	999-9190 (Spanish)
Honduras	800-0123 (Spanish)
Hong Kong	(852) 3516-8977 (Cantonese, English, Mandarin)
Hungary	00361 371-0272 (English, Hungarian)
India	(Primary) 1800-419-4666 (Tata) (Secondary) 1800-3000-8465 (Reliance) Email: commercials@lenovo.com (English, Hindi)
Israel	*6557 or 03-9142800 (Hebrew)
Indonesia	007-803-3315-108 021-2975-9240 (Standard charges apply) (English, Bahasa Indonesia)
Ireland	1-890-928-860 (English)
Italy	(+39) 02 3031 0000 (Italian)
Jamaica	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	77273493318 77273493098 (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 (Latvian, Russian, English)
Lebanon	Quantech: 00-961-1999-500 Computer Business Machine (CBM): 00-961-1680-180 El Haceb S.A.L.: 00-961-1771-300 (Arabic, English, French)
Lithuania	370 5278 6602 (Lithuanian, Russian, English)
Luxembourg	+352 248 716 11 Ext 3 (French)
Macao	0800-807 / (852) 3071-3559 (Cantonese, English, Mandarin)
Macedonia	0800-4-44-44 (Macedonian)
Mainland China	Technical Support Line: 400-100-6000 (Mandarin)
Malaysia	1800-818-478 (Toll-Free Number) 603-2053-5151(Paid Services Toll Number) (English)
Malta	356-21-445-566 (English, Italian, Maltese, Arabic)
Mexico	001-866-434-2080 (Spanish)
Moldova	+373 22577979 (Russian, English)
Montenegro	+382 78 103 086 (English)
Morocco	212-5-22-509-35 (Arabic)

Country or region	Telephone number
Nepal	977-1-423-3501 (Hunting), 977-980-113-3667 (Mobile)
Netherlands	020-499 0513 (Dutch)
New Zealand	0508-366-584 (English)
Nicaragua	001-800-220-2282 (Spanish)
Nigeria	070-8060-1481 (English)
Norway	21 95 94 60 Ext 3 (Norwegian)
Oman	Khimji Ramdas Computer Communication Systems: 00-968-2469-6255 Overseas Business Machines (OBM): 00-968-2460-1072, 2460-5018 Gulf Business Machines Services (GBMS): 00-968-2455-9831
Pakistan	International Office Products (pvt) Ltd.: 00-92-212-422-569 00-92-213-241-2023 Selling Business Systems: 00-92-21-568-9823
Panama	001-866-434 (Lenovo Customer Support Center- toll free) (Spanish)
Paraguay	009-800-52-10026 (Spanish)
Peru	0-800-50-866 OPCION 2 (Spanish)
Philippines	1800-1110-2266 (Toll-Free Number) +632-231-3373 (Paid Services Toll Number) (THINK :1800-890-86454 (Globe subscribers) (Tagalog, English)
Poland	+48-22-295-4950 +48-22-116-8656 (Polish, English)
Portugal	808-225-115 (Standard charges apply) (Portuguese)
Qatar	Al Mana Computer Services: 00-9744-4489-966 (ext. 1992) Qatar Computer Services W.L.L.: 00-9744-4441-212 (Arabic)
Romania	00-40212300314 (Romanian)
Russia	7-499-705-6204 7-495-240-8558 (Standard charges apply) (Russian)
Saint Kitts and Nevis	1-800-426-7378 (English)
Saint Lucia	1-800-426-7378 (English)
Saudi Arabia	800-84-451-28 (Standard charges apply) (Arabic)
Singapore	65-6307-7145(Paid Services Toll Number) 1800-415-5529 (Toll-Free Number) (English, Mandarin, Bahasa Malaysia)
Slovakia	00421-2-4974-8888 (Slovak)
Slovenia	+ 386 1 4755 559 (Slovenian)
South Africa	0800-110-756 (English)
Spain	+34 91 79 11 799 Ext 3 (Spanish)
Sri Lanka	9477-7357-123 (Sumathi Information systems) (English)
Suriname	1-877-453-6686 (English)
Sweden	46-775-757-411 (Warranty service and support) (Swedish)
Switzerland	0800-55-54-54 (Warranty service and support) (German, French, Italian)
Taiwan	0800-000-702 (Mandarin)
Thailand	1800-012-220 0-2104-0792 (Thai, English)
Tortola	1-800-426 7378 (English)

Country or region	Telephone number
Turkey	444-04-26 (Turkish)
Turks and Caicos	1-800-426-7378 (English)
Trinidad and Tobago	1-888-217-6330 (English)
Ukraine	0800-800-018 (Ukraine, Russian, English)
United Arab Emirates	Jumbo:80058626 Ensure:+971600525559 (Arabic)
United Kingdom	0333-777-3991 (National Rate) (English)
United States	800-426-7378 (English)
Uruguay	000-411-005-6649 (Spanish)
Venezuela	0-800-100-2011 (Spanish)
Vietnam	120-11072 (Toll Free) 84-4-4458-1923 (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：台北市中山區北安路 780 號 7 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:
<https://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 <https://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) shall be treated separately using the 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:
<https://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

<https://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

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

<https://support.lenovo.com.cn/activity/551/htm>。

Restriction of Hazardous Substances (RoHS) Directive

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 (Pb)	汞 (Hg)	镉 (Cd)	六价铬 (Cr(VI))	多溴联苯 (PBB)	多溴二苯醚 (PBDE)
印刷电路板组件	X	O	O	O	O	O
硬盘	X	O	O	O	O	O
光驱	X	O	O	O	O	O
LCD 面板 (LCD 背光源)	X	O	O	O	O	O
键盘	X	O	O	O	O	O
内存	X	O	O	O	O	O
电池	X	O	O	O	O	O
电源适配器	X	O	O	O	O	O
底壳、顶盖和扬声器	X	O	O	O	O	O

注：

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 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 GB/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。印刷电路板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。

图示：

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。

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:
<https://www.lenovo.com/rohs-communication>

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 Sınırlanmasına 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:
<https://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 information.

European Union conformity

The following information applies to products purchased in European Union countries.

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



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

EMC Directive Statement:

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 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:

Compliance with the Radio Equipment Directive

This product is in compliance with Directive 2014/53/EU. Below table shows the frequency bands and maximum radio-frequency power of this radio equipment.

Technology	Frequency band [MHz]	Maximum transmit power
WLAN 802.11b/g/n	2400 - 2483.5	< 20 dBm
WLAN 802.11a/n/ac	5150 - 5725	< 23 dBm
WLAN 802.11a/n/ac	5725 - 5875	< 13.98 dBm
Bluetooth BR/EDR/LE	2400 - 2483.5	< 20 dBm
WWAN UMTS	1/3/8	< 24.5 dBm
WWAN LTE	1/3/7/8/20/28	< 24 dBm
NFC	13.56	< -5.31 dBμA/m @10m

The list of wireless modules used in your product is available in the *Regulatory Notice* at Lenovo Web site:
<https://support.lenovo.com>

The full text of the system EU declaration of conformity and the EU wireless module declarations are available at the following Internet addresses:

- For notebook computers:
<https://www.lenovo.com/eu-doc-notebooks>
- For tablets:
<https://www.lenovo.com/eu-doc-tablets>

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 document.

Brazil wireless-radio compliance information

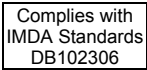
Este equipamento não tem direito à proteção contra interferência prejudicial e não pode causar interferência em sistemas devidamente autorizados.

This equipment is not protected against harmful interference and may not cause interference with duly authorized systems.

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 pueda causar su operación no deseada.

Singapore wireless-radio compliance information



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 송수신이입니다. 본 장치는 국제 가이드라인으로 권장되는 전파 노출에 대한 제한을 초과하지 않도록 설계되었습니다. 장치 액세서리 및 최신 부품을 사용할 경우 SAR 값이 달라질 수 있습니다. SAR 값은 국가 보고 및 테스트 요구 사항과 네트워크 대역에 따라 다를 수 있습니다. 본 장치는 사람의 신체에서 20mm 이상의 거리에서 사용할 수 있습니다.

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 your *User Guide*".

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

Ubuntu is a registered trademark of Canonical Ltd.

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

For additional legal notices, refer to the *User Guide* for your computer. See "Accessing your *User Guide*" for additional information.

Legal notices

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