

Introduction

The DRX-530UL has the following features.

- An external DVD/CD RW drive with i.LINK (IEEE1394) and Hi-Speed USB (USB 2.0-compliant) interfaces for computers.
- Supports writing and rewriting to DVD+R/RW and DVD-R/RW discs.
- Supports reading DVD-Video and DVD-ROM discs.

System Requirements

The DRX-530UL can be used in systems with the following capabilities.

Windows

- CPU: Pentium II 400 MHz (with MyDVD: Pentium III 800 MHz) or higher.

- OS: Windows 2000 Professional (Windows 2000) Windows XP Home Edition (Windows XP) Windows XP Professional (Windows XP)
- At least 128 MB RAM (with Windows XP: 256 MB RAM)
- 1 GB (with MyDVD: 10 GB) free hard disk space

- i.LINK or USB connector

CAUTION

- The above system requirements are given as minimum requirements for a system on which basic writing performance to supported CDs/DVDs can be obtained. In actual use, the requirements for the writing software and other supplied software also have to be taken into consideration. Refer to your software user's guides for details.

- Appropriate discs are needed when writing at 8× speed to DVD+R, 4× speed to DVD+RW/+R/-R, 10× speed or faster to CD-RW, and 2× speed to DVD-RW.

• Writing speed may automatically be adjusted depending on the disc, specified disc speed, or disc conditions such as weight imbalance and eccentricity.

- System meeting the following requirements is needed in order to use USB 2.0 operation with this device.
 - Hi-Speed USB (USB 2.0-compliant) interface cable (included).
 - System equipped with a Hi-Speed USB (USB 2.0-compliant) connector or PCI adapter card, and running the USB 2.0 EHCI device driver¹⁾.

¹⁾ The USB 2.0 EHCI driver software is supplied with currently available PCI adapter cards that conform to USB 2.0. Further, Microsoft has released the USB 2.0 EHCI driver software for Windows XP, therefore it is also possible to use this driver software with Windows XP. For details, contact your USB 2.0 adapter dealer or consult the Microsoft Corporation Web site.

- When connected to a product that does not support Hi-Speed USB, the maximum transfer rate is limited to 12 Mbps (equivalent to a USB 1.1 transfer rate).

- You cannot use the i.LINK and USB interfaces simultaneously.

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- AC power cord
- Quick Start Guide
- Software disc (DVD-ROM)
- Warranty card

CAUTION

To guard against possible loss or damage, be sure to make a backup copy of the provided software disc on a DVD+R disc or other media. The software disc is not sold separately.

Please Record Responsibly

Before copying anything to a disc, please be sure that you are not violating copyright laws. Most software companies allow you to make a backup or archive copy of software. Check your software’s license agreement for details.

- Supports writing and rewriting to CD-R/RW discs.

- Supports reading of other types of discs (CD-ROM, CD TEXT, Photo CD, etc.).

- Features **Power-Burn**[®] c o n f o r m e d to prevent buffer under-run errors.

• **Power-Burn**[®] c o n f o r m e d includes ***BURN-Proof***[®].

• You cannot use the i.LINK and USB interfaces simultaneously.

- Writing speed may automatically be adjusted depending on the disc, specified disc speed, or disc conditions such as weight imbalance and eccentricity.

- System meeting the following requirements is needed in order to use USB 2.0 operation with this device.
 - Hi-Speed USB (USB 2.0-compliant) interface cable (included).
 - System equipped with a Hi-Speed USB (USB 2.0-compliant) connector or PCI adapter card, and running the USB 2.0 EHCI device driver¹⁾.

¹⁾ The USB 2.0 EHCI driver software is supplied with currently available PCI adapter cards that conform to USB 2.0. Further, Microsoft has released the USB 2.0 EHCI driver software for Windows XP, therefore it is also possible to use this driver software with Windows XP. For details, contact your USB 2.0 adapter dealer or consult the Microsoft Corporation Web site.

- When connected to a product that does not support Hi-Speed USB, the maximum transfer rate is limited to 12 Mbps (equivalent to a USB 1.1 transfer rate).

- You cannot use the i.LINK and USB interfaces simultaneously.

Incompatible Sony VAIO computers
Regardless of the version of Windows they are running, the following models of VAIO computers are incompatible with the DRX-530UL when connected through an i.LINK cable.

Products for USA : PCG-F360, PCG-F350, PCG-F340, PCG-Z505R, PCG-Z505RX
Products for Europe: PCG-F304, PCG-F305
Products for Japan : PCG-F34/BP, PCG-Z505JL, PCG-Z505J/BP, PCG-Z505JX

DVD-Video Playback and Region Codes

The playback of DVD-Video (DVD discs) is protected and controlled by a region code setting*.

*Region Playback Control standard (RPC standard)

DVD-Video Playback and Region Codes with the DRX-530UL

With the DRX-530UL, the region code can be set up to five times, including the initial assignment (RPC phase 2 standard). The DVD-Video playback software sets the DRX-530UL region code.

Important

After setting the region code five times (including the initial setting), the setting becomes permanent and can no longer be changed. From this point on, you are only able to play back DVD-Video discs whose region code matches the one set the fifth time.

Main Specifications

Compatible discs	Read (max.)	Write (max.)
DVD+R	8×-CAV	2.4×
DVD+R (4×)	8×-CAV	4×
DVD+R (8×)	8×-CAV	8×-ZCLV
DVD+RW	8×-CAV	2.4×
DVD+RW (4×)	8×-CAV	4×
DVD-R	8×-CAV	1×
DVD-R (4×)	8×-CAV	4×
DVD-RW	8×-CAV	1×
DVD-RW (2×)	8×-CAV	2×
DVD-ROM	12×-CAV	—
DVD-Video	12×-CAV	—
CD-R	40×-CAV	40×-CAV
CD-RW	40×-CAV	4×
CD-RW (High Speed)	40×-CAV	12×
CD-RW (Ultra Speed)	40×-CAV	24×-PCAV
CD-ROM	40×-CAV	—
CD-DA ¹⁾	4×	—
CD-DA (DAE)	40×-CAV	—

Disc diameter		
DVD: 12 cm	○	○
8 cm	○	—
CD : 12 cm	○	○
8 cm	○	—

¹⁾ This product is designed to playback discs that conform to the Compact Disc (CD) standard. Recently, various music discs encoded with copyright protection technologies are marketed by some record companies. Please be aware that among those discs, there are some that do not conform to the CD standard and may not be playable by this product. When you use this unit as an audio CD player, use compact discs with the following mark.



Writing Systems

DVD
Random write
Sequential write

CD
Track-at-once
Disc-at-once
Session-at-once
Packet writing

In order for the DVD/CD RW drive to play back DVD-Video disc, the region code on the DVD disc, the region code of the DVD/CD RW drive, and the region code of the DVD-Video software must all match.

DVD-Video Playback and Region Codes with the DRX-530UL

CAUTION

Do not attempt to make unauthorized changes to the region code. Any problems resulting from doing so are not covered by the warranty.

Points to Consider when Playing DVD-Video Discs

DVD-Video disc playback conditions are sometimes determined by software manufacturers. Because the DRX-530UL plays back discs as determined by software manufacturers, some drive functions may not always perform as expected. When playing back DVD-Video discs, refer to the instructions accompanying each disc.

Drive

Maximum data transfer rate
DVD : 21.6 MB/s (12× speed²⁾)
CD : 6.0 MB/s (40× speed²⁾)

Access time
Average random stroke
Approx. 200 ms (DVD)
Approx. 160 ms (CD)

²⁾ Maximum data transfer rate depends on the capabilities of the host PC

Buffer under-run error protection

Power-Burn[®] c o n f o r m e d

Operating temperature

5 to 35 °C

Interface

Drive interface
IEEE1394-compliant (6-pin connector) ×2
USB 2.0-compliant (Hi-Speed USB) ×1

Buffer capacity

2 MB

Power
Drive rated input: DC 12 V
(External power jack)
Power consumption: 3.0 A (Max.)
AC adapter rated input: AC 100-240 V

Miscellaneous
Size
Approx. 164.0 × 53.2 × 246.6 mm (W× H × D)
Weight
Approx. 1.75 kg (drive only)

Please note that specifications and appearance may be subject to change without notice.

Drive inquiry serial number
SONY DVD RW DRU-530A

Please note that specifications and appearance may be subject to change without notice.

SONY

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DVD/CD Rewritable Drive

The DRX-530UL has the following features.

Product Information

Included Documents

- Quick Start Guide
- Electronic manual on the software disc

- Software Quick Start Guide
- Warranty card
- Product Information (this document)

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DRX-530UL

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English
Please refer to this manual together with the “Dual Interface Drive User’s Guide” in the attached Software disc, which carries more detailed information.
Français
Reportez-vous au présent manuel ainsi qu’au document intitulé “Lecteur d’interface Dual - Guide de l’utilisateur” contenu sur le disque du logiciel accompagnant ce produit pour plus de détails.
Deutsch
Einzelheiten entnehmen Sie bitte diesem Handbuch sowie der “Laufwerk mit Dual-Schnittstelle - Anwenderanleitung” auf der mitgelieferten Software-Disc.
Español
Consulte este manual junto con la “Unidad de interfaz Dual - Guía del usuario” del disco de software suministrado, que contiene información más detallada.
Italiano
Fare riferimento al presente manuale insieme a “Guida dell’utilizzatore dell’unità disco con interfaccia Dual” nel disco del software allegato, nel quale sono contenute informazioni più dettagliate.
Português
Consulte este manual juntamente com o “Guia do Utilizador do Drive de Interface Dual” incluído no disco de software fornecido, para obter informações mais detalhadas.
Nederlands
Raadpleeg deze handleiding alsook de “Dual Station-interface -Gebruikershandleiding” op de bijgevoegde Software Disc, die meer gedetaileerde informatie bevat.
Svenska
Förutom denna bruksanvisning finns mer information i “Brukanvisning för enhet med Dual gränssnitt” på den medföljande programskivan.
中文繁體
請參考本使用說明書及隨同軟體光碟一起提供的載有更多資訊的 “Dual 界面驅動器用戶指南” 。
中文简体
请参考本使用说明书及随同软件光盘一起提供的载有更多信息的 “Dual 接口驱动器用户指南” 。
한국
자세한 내용은 본 사용설명서와 함께 부속된 소프트웨어 디스크의 “Dual 인터페이스 드라이브 사용자 가이드” 도 참조하여 주십시오.

Safety Regulations

WARNING

You are cautioned that any changes or modifications not expressly approved in this manual could void your authority to operate this equipment.

To prevent fire or shock hazard, do not expose the unit to rain or moisture.

To avoid electrical shock, do not open the cabinet. Refer servicing to qualified personnel only.

CAUTION:

As the laser beam in the DRX-530UL is harmful to the eyes, do not attempt to disassemble the cabinet. Refer servicing to qualified personnel only.

The use of optical instruments with this product will increase eye hazard.

The use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.

The DRX-530UL is classified as a CLASS 1 LASER PRODUCT.

The CLASS 1 LASER PRODUCT label is located at the bottom of the enclosure.

Bei diesem DVD/CD RW-Laufwerk handelt es sich um ein Laser-Produkt der Klasse 1.

Das Etikett mit der Aufschrift LASER KLASSE 1 PRODUKT befindet sich auf der Unterst Seite des Gehäuses.

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FCC Compliance:

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 the dealer or an experienced radio/TV technician for help.

The shielded interface cable recommended in this manual must be used with this equipment in order to comply with the limits for a digital device pursuant to Subpart B of Part 15 of FCC Rules.

Note:

If you have any questions about this product, you may call the telephone number listed on the “Product and Support Information” page. The telephone number below is not for customer service but only for official purpose.

Declaration of Conformity	
Trade Name:	SONY
Model No.:	DRX-530UL
Responsible Party:	Sony Electronics Inc.
Address:	680 Kinderkamack Road, Oradell, NJ 07649 USA
Telephone No.:	201-930-6972
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.	

CE Sicherheitsbestimmungen

Diese Ausrüstung erfüllt die Europäischen EMC-Bestimmungen für die Verwendung in folgender / folgenden Umgebung(en):

- Wohngegenden
- Gewerbegebiete
- Leichtindustrialgebiete

(Diese Ausführung erfüllt die Bestimmungen der Norm EN55022, Klasse B.)

CAUTION

The mains plug on this equipment must be used to disconnect mains power.

Please ensure that the socket outlet is installed near the equipment and shall be easily Accessible.

Achtung

Zur Trennung vom Netz ist der Netzsecker aus der Steckdose zu ziehen, welche sich in der Nähe des Gerätes befinden muß und leicht zugänglich sein soll.

- Power-Burn** ^{c o n f o r m e d} are trademarks of Sony Corporation.
- Pentium is a registered trademark of Intel Corporation.
- Microsoft and Windows are registered trademarks of Microsoft Corporation.
- Macintosh and MacOS are registered trademarks of Apple Computer Inc.
- Other system and product names used herein are registered trademarks or trademarks of their respective manufacturers, although the ™ and © marks are not used in the text.

<p><input type="checkbox"/> Our product warranty is valid only when the supplied accessories (including software) are used in the specified or recommended system environment, in accordance with the documentation, and applies only to this DVD/CD RW drive. Our customer service and user support apply only under these product warranty conditions.</p> <p><input type="checkbox"/> Please note that we cannot accept responsibility for failure of the computer or other devices, incompatibility with special hardware, operating problems caused by improper installation of software, loss of data, discs or other accidental or incidental damage that might occur when using this product.</p> <p><input type="checkbox"/> The guarantee and user support for this product are valid only within the countries or sales regions specified on the warranty card.</p> <p><input type="checkbox"/> Copyright laws prohibit the copying in part or in full of the supplied software and documentation, or loaning the software, without obtaining permission of the copyright holder.</p> <p><input type="checkbox"/> We cannot accept responsibility for any direct or indirect financial damage or loss of profit that might occur when using the supplied software.</p> <p><input type="checkbox"/> The supplied software can only be used with this product.</p> <p><input type="checkbox"/> Specifications of the supplied software may be changed without notice in the interest of product improvement.</p>

Warranty Card and After Sales Service

Warranty
<ul style="list-style-type: none">A warranty card should be provided with this product at the place of purchase. Please read the warranty card, fill in the specified information, and retain it for future reference.
<ul style="list-style-type: none">The warranty period is one year from the date of purchase.
Note
The warranty and technical support service are valid only in the countries or sales regions specified on the warranty card.
After Sales Service
Repairs under Warranty <p>We provide repair services as described in this and on the warranty card. Please contact your supplier or repair service provider for details.</p>
Repairs outside Warranty <p>If operation can be restored by repair, we will repair the drive for a charge.</p>

Product and Support Information

Sony Global Sites Information
<p>Products purchased in the USA:* http://sony.storagesupport.com/</p>
<p>Products purchased in Canada: http://www.sony.ca/</p>
<p>Products purchased in Australia or New Zealand: http://www.sony.com.au/support.asp</p>
<p>Product purchased in Europe:* http://www.sonydvd-link.com</p>
<p>Product purchased in Hong Kong:* http://www.sony.com.hk/Electronics/cp</p>
<p>Product purchased in China:* http://www.sony.com.cn/Electronics/edmh/service.htm</p>
<p>Product Purchase in Singapore: http://www.sony.com.sg/asianit/</p>
Technical Support

Please consult the above sources before calling with questions about using DRX-530UL, or with technical questions about the drive or the supplied software. If using telephone or e-mail support, please have the following information available:

- Model number: **DRX-530UL**
- Serial number
- Date and place of purchase
- Computer maker and model number
- Computer specifications (CPU speed, memory size, OS version, etc.)
- Writing software used (version, etc.)

Local technical support service is available only in the following sales regions:

Product purchased in the USA (Sony Electronics Inc):

Monday to Saturday 8:00 a.m. - 8:00 p.m. CT

- Toll Free: 1-800-588-3847

- Free telephone support is offered for 90 days from your first call.

Product purchased in Canada (Sony of Canada Limited):

24 hours / 7 days a week

- Toll Free: 1-800-961-7669

- http://www.sony.ca/sonyca/customersupport_contactus.shtml

Warranty
<ul style="list-style-type: none">The warranty period is one year from the date of purchase.
Note
The warranty and technical support service are valid only in the countries or sales regions specified on the warranty card.
After Sales Service
Repair Requirements <p>If you return the drive to your place of purchase or repair service provider because of damage resulting from misuse or other causes, you will be responsible for all repair-related expenses, including shipping and handling and product adjustments.</p>

Product purchased in Taiwan:*
http://www.sony.com.tw/ds/
Product purchased in Korea:*
http://www.sony.co.kr/cp
Product purchased in Brazil:
http://www.sony.com.br/eletronicos
Product purchased in the Middle East:
http://www.sony-middleeast.com
* Local Web sites for computer peripheral products
About the Bundled Writing Software
Detailed information about the supplied writing software is available on the Web sites of the software manufacturers and software distributors. (Accessible from the links in each software application)

Product purchased in Australia or New Zealand (Sony Australia Limited):
Monday to Friday 8:30 a.m. - 9:00 p.m. EST

- Toll Free: (Australia) 1300-13-7669 (NZ) 0800-7669-7895

- E-mail: CIC-Customerissues@ap.sony.com

Product purchased in Europe:
Monday to Friday
8:00 a.m. - 6:00 p.m. CET
Open all working days except Dec. 25th and Jan. 1st.

- Austria 0179-567-397
- Belgium 027173220 027173221
- Denmark 70112107
- Finland 01080-6570
- France 0803-827962
- Germany 01805-987-986
- Greece 00800-4412-1175
- Ireland 01890925069
- Italy 848800977
- Luxembourg 034-208-083-60
- The Netherlands 020-346-9404
- Norway 810-01-005
- Portugal 214154221
- Spain 901120105
- Sweden 0858769241
- Switzerland 0844246336 0844237337

- United Kingdom 0870-240-2410

Product purchased in Singapore (Sony Electronics Singapore Pte. Ltd):

Monday to Friday 9:00 a.m. - 5:00 p.m.

- Storage Support Hotline (charges apply): +65-3291715

- E-mail: EDMS.Support@ap.sony.com