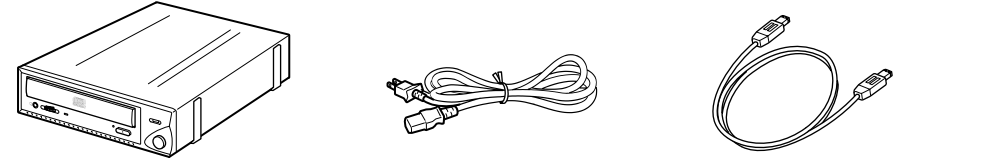


Accessory List

Please verify that the package includes the following accessories with the CRX1650L when unpacking. If any of these items appears to be missing or damaged, please contact your supplier.

- CRX1650L drive
- AC power cord
- i.LINK cable (6 pin-6 pin)

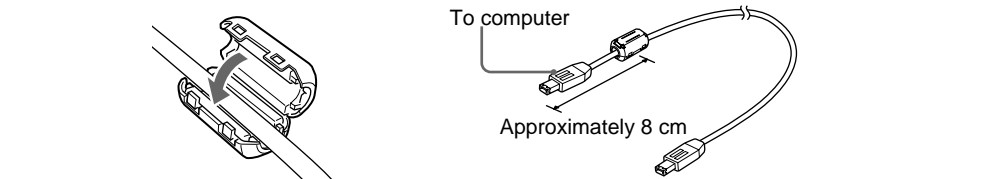


- A ferrite clamp for the i.LINK cable
- CRX1650L User’s Guide
- Quick Start Guide
- Software Quick Start Guide
- Software CD-ROM
- Warranty Card

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

Before Connecting the i.LINK Cable to the Computer

Attach the ferrite clamp to the Computer end of the i.LINK cable. Position the ferrite clamp as shown in the illustration below, and then secure the ferrite clamp by closing it until you hear a click.



**Note**  
To satisfy radio-frequency interference suppression standards, be sure to install the ferrite clamp correctly. It reduces the possibility interference with other devices.

Safety Regulations

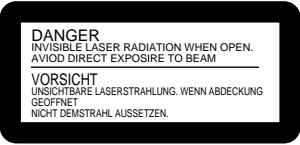
**WARNING**  
Any changes or modifications not expressly approved in this manual could void your authority to operate this equipment.

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**  
The laser beam in this CRX1650L 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.

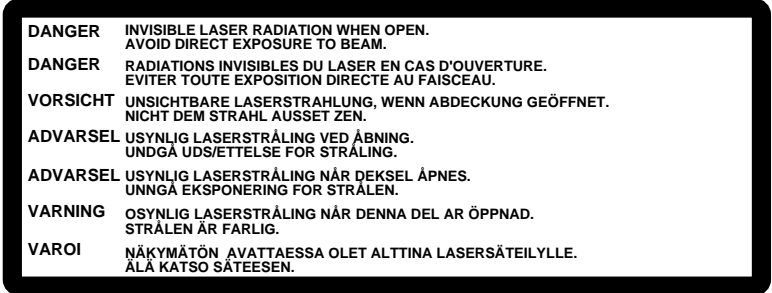
This label is located on the drive unit’s internal chassis.

Dieses Etikett befindet sich auf dem inneren Chassis des Laufwerkes.



This label is located on the top of the internal drive unit enclosure.

Dieses Etikett befindet auf der Gehäuseoberseite des internen Laufwerks.



This CD-R/RW drive unit is classified as a CLASS 1 LASER PRODUCT. The CLASS 1 LASER PRODUCT label is located at the top of the internal drive unit enclosure.

Bei diesem CD-R/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 Gehäuseoberseite des internen Laufwerks.

CD-R/RW Drive Unit

User’s Guide

Please refer to this manual together with the “i.LINK Interface CD-R/RW Drive User’s Guide” in the attached Software CD-ROM, which carries more detailed information.

CRX1650L

© 2001 Sony Corporation Printed in Malaysia CRX1650L-A2

CLASS 1 LASER PRODUCT	LOUKAN 1 LASERLAITE
LASER KLASSE 1 PRODUKT	KLASS 1 LASER APPARAT

**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.

**Note:**  
If you have any questions about this product, you may call the telephone number listed on the “Product 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.:	CRX1650L
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.	

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.

# Introduction

The CRX1650L offers the following features.

- ☐ An external CD-R/RW drive with i.LINK (IEEE1394) interface for PCs.
- ☐ Writes up to 16× speed on CD-R disc media.
- ☐ Writes up to 10× speed on CD-RW disc media.
- ☐ Reads CD-ROM discs at up to 40× speed.
- ☐ Worry free anti-buffer-under-run technology.

# System Requirements

The CRX1650L can be used in systems with the following capabilities.

## For Windows

- ☐ CPU: Pentium 266 MHz or higher  
For stable writing performance at high speeds, the CPU speed should be considerably higher than the above minimum requirement. For writing at 16× speed, a Pentium II/400 MHz or higher is recommended.
- ☐ Windows® 98 Second Edition (SE), Windows® 2000 or Windows® Millennium Edition (Me) operating system
- ☐ At least 64 MB RAM
- ☐ At least 1 GB available hard disk space
- ☐ Available of an i.LINK (IEEE1394) connector or i.LINK (IEEE1394) interface board.

## For Macintosh

- ☐ Macintosh with built in FireWire ports (CRX1650L drive does not support the Apple FireWire PCI card.)
- ☐ Mac® OS 8.6, 9.0.4, 9.1
- ☐ 64 MB RAM
- ☐ Apple FireWire 2.1 or higher software required

### CAUTION

- The above system configuration is given as a minimum requirement for a system on which basic CD-R/RW writing performance can be obtained. In actual use, the requirements for the writing software also have to be taken into consideration. (Normally, these requirements will be higher than the above specifications.)
- Writing speed may automatically be adjusted depending on the disc specified speed or disc conditions such as weight imbalance and eccentricity.
- 1× and 2× writing speed and discs are not supported.
- When using the drive on Windows 98 Second Edition, be sure to install the IEEE1394 driver update program. If the update program is not installed, the drive may not be able to function correctly. The update program is contained on the Software CD-ROM provided.

# Product Support Information

If you are having problems installing or using your drive please review the “i.LINK Interface CD-R/RW Drive User’s Guide” in Software CD-ROM. If you are looking for more information about the range of Sony drive & media products, answers to general compatibility issues or further advice with installation & operational problems please see the following web sites:

**Products purchased in USA:**  
<http://www.sony.com/storagesupport>

**About the Writer Software**  
Information about the supplied writer software is available on the web sites of the manufacturers and software distributors. (Accessible from the Links in Software CD-ROM)

If you are unable to obtain the required information from the above sources, contact the office below. Please have the following information available if asking about an operational failure or damage. **Free telephone support is offered for 90 days from your first call.**

- Model: CRX1650L**
- Serial number**
- Date of purchase, and name of supplier**
- Computer maker and model number**
- Computer specifications (CPU speed, memory size, OS version, etc.)**
- Writer software used (version, etc.)**
- Description of the failure, with as much detail as possible**
- Whether any problems occurred when the product was first used, whether problems developed only later, etc.**

**USA (Sony Electronics Inc):**  
Monday to Saturday 8:00 a.m. – 8:00 p.m. CT  
Toll Free: 1-800-588-3847

# Main Specifications

## Discs

**Compatible disc types**  
CD-R  
CD-RW  
CD-ROM  
CD-ROM XA  
CD-DA  
CD Extra (CD+)  
Video CD  
CD TEXT  
Photo CD  
(Multi-Session support)  
CD-I  
CD Bridge  
Audio Combined CD-ROM  
Disc diameter   12 cm  
                          8 cm (reading only)

## Writing Systems

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

## Drive

**Data transfer rate**  
Up to 6000 kbytes/sec (40× speed<sup>1)</sup>)  
**Access time**  
Average random stroke   150 ms  
<sup>1)</sup> Maximum data transfer rate depends on the capabilities of the host PC

- i.Link is a trademark of Sony Corporation.
- Microsoft and Windows are trademarks of Microsoft Corporation.
- FireWire, Macintosh and MacOS are trademarks of Apple Computer Inc.
- Other system and product names used herein are registered trademarks or trademarks of their respective manufacturers, although the TM and ®marks are not used in the text.

# Warranty Card and After-Sales Service

## Warranty Card

- 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.
- The warranty period is one year from the date of purchase.

## After-Sales Service

**If a problem is suspected, first check the following.**

Review the information in this manual.

**If the problem is still suspected, contact your customer service centre.**

Contact the customer service centre listed in the “Product Support Information”.

## Repairs under Warranty

We provide repair services as described in this manual and on the Warranty Card. Refer to these documents for details.

## Please Record Responsibly

Before copying anything onto a CD-R or CD-RW disc, please be sure you are not violating copyright laws. Most software companies allow you to make a back-up or archive copy of software. Check your software’s license agreement for specific details.

## Operating/Storage Environment

**Operating temperature**  
5 to 40 °C

## Power and Miscellaneous

**Voltage**  
AC 100 V - 240 V  
**Power consumption**  
Approx. 0.36 A - 0.2 A  
**Size**  
Approx. 192 × 60 × 272 mm (W × H × D)  
**Weight**  
Approx. 2.8 kg (drive only)

## Interface

**Drive interface**  
IEEE1394 compliant  
**Buffer capacity**  
2 MB

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

## Repairs outside of Warranty

If operation can be restored by repair, we will repair the drive for a charge.

## Replacement Parts Availability

Repair parts (which may be required to maintain operation) for CD-R/RW drives are retained by the company for at least six years after a model is discontinued. This period corresponds to that during which repair can be assured. However, even after this period, repair may still be possible depending on the nature of the damage, so please contact your supplier or repair service provider.

**When contacting us, please have the following information available:**

- Model Name: CRX1650L**
- Serial Number:**
- Problem Description: as detailed as possible**
- Date of Purchase:**

## Repair Requirements

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.