

2.4GHz Wireless LAN PC Card

Read This First

CarrierGate PCWA-C150S

Sony Corporation © 2002 Printed in Japan

WARNING

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

Owner's Record

The model and serial numbers are located on the back of the unit. Record the serial number in the space provided below. Refer to them whenever you call upon your Sony dealer regarding this product.

Model No. PCWA-C150S
Serial No. _____

CAUTION

Any changes or modifications not expressly approved in this manual could void your warranty.

FCC ID: AK8PCWAC150S
Exposure to Radio Frequency Radiation.
The radiated output power of the Wireless LAN PC Card is far below the FCC radio frequency exposure limits.
Nevertheless, the Wireless LAN PC Card shall be used in such a manner that the potential for human contact during normal operation is minimized.

NOTE:

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 or communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to 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.

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

Only peripherals (computer input/output devices, terminals, printers, etc.) that comply with FCC Class B limits may be attached to this computer product. Operation with non-compliant peripherals is likely to result in interference to radio and television reception.

All cables used to connect peripherals must be shielded and grounded. Operation with cables, connected to peripherals, that are not shielded and grounded, may result in interference to radio and television reception.

If you have questions about this product, call the Sony Customer Information Service Center at 1-888-476-6972; or write to the Sony Customer Information Service Center at 12451 Gateway Boulevard, Fort Myers, FL 33913. The number below is for FCC-related matters only.

Declaration of Conformity
Trade Name: Sony
Model No: PCWA-C150S
Responsible Party: Sony Electronics Inc.
Address: 680 Kinderkamack Road,
Oradell, NJ 07649 USA
Telephone: 201-930-6972
This phone number is for FCC-related matters only.
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.

Safety Information

WARNING

- Opening the unit, for whatever reason, could lead to damage that is not covered by the warranty.
- Do not use this equipment on hospital premises. Doing so may cause medical devices to malfunction.
- If using the equipment near a pacemaker, make sure it is at least 9 inches (22 cm) away from the pacemaker.
- Do not use this equipment in an aircraft, as doing so could cause the aircraft's equipment to malfunction. Make sure you remove the equipment from the PC card slot before carrying your computer onto an aircraft.
- Do not use this equipment outdoors.
- Install and connect this product by following descriptions in its Operating Instructions and Quick Start Guide before using it.
- To comply with the FCC RF exposure compliance requirements, a separation distance of at least 2.5 cm must be maintained between the antenna of this device and all persons. This card may be used in portable or mobile devices such as laptops or handheld PDA's. The device should not operate in a body worn device or configuration.
Users are not permitted to make changes or modify the system in any way.
- Indoor use only.
- This device is made for use in the USA and Canada only.

For the customers in Canada

- This class B digital apparatus complies with Canadian ICES-003.
- Operation is subject to the following two conditions; (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.
- To prevent radio interference to the licensed service, this device is intended to be operated indoors and away from windows to provide maximum shielding. Equipment (or its transmit antenna) that is installed outdoors is subject to licensing.
- The term "IC" before the equipment certification number only signifies that Industry Canada technical specifications were met.

Pour les utilisateurs au Canada

- Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada.
- L'utilisation de ce dispositif est autorisée seulement aux conditions suivantes : (1) il ne doit pas produire de brouillage et (2) l'utilisateur du dispositif doit être prêt à accepter tout brouillage radioélectrique reçu, même si ce brouillage est susceptible de compromettre le fonctionnement du dispositif.
- Pour empêcher que cet appareil cause du brouillage au service faisant l'objet d'une licence, il doit être utilisé à l'intérieur et devrait être placé loin des fenêtres afin de fournir un écran de blindage maximal. Si le matériel (ou son antenne d'émission) est installé à l'extérieur, il doit faire l'objet d'une licence.
- Le terme "IC" avant le numéro d'homologation ne signifie seulement que les normes d'Industrie du Canada ont été respectées.

Precautions

Safety

Do not drop or cause a mechanical shock to the 2.4GHz Wireless LAN PC Card PCWA-C150S, as this may damage the unit.

Installation

Do not expose the Wireless LAN PC Card to the following conditions:

- Unstable surfaces
- High humidity or poor ventilation
- Excessive dust
- Direct sunlight or extreme heat
- Closed cars
- Magnetic fields (near magnets, speakers, or televisions)
- Frequent vibration
- Locations where the transmission of radio waves may be obstructed by metal plates or concrete walls

Operation

If the Wireless LAN PC Card is moved directly from a cold location to a warm locations, or if it is placed in a very damp environment, moisture may condense on the parts inside. The Wireless LAN PC Card may not operate properly if moisture condensation occurs.

Cleaning

Clean the case with a soft cloth, lightly moistened with water or a mild detergent solution. Do not use any type of abrasive pad, scouring powder, or solvent such as alcohol or benzene as it may damage the finish of the case.

Specifications

Protocol support

TCP/IP compliant

Standard

IEEE 802.11b/IEEE 802.11

Radio frequency

2.4 GHz

Modulation method

DS-SS (IEEE 802.11 compliant)

General

Power requirements
3.3 V/5 V (supplied from the computer through the PC card adapter)
Current
Peak current at transmission: 330 mA
Peak current at reception: 240 mA
Connector
PC Card Card Type II
Dimensions
Approx. 2.2 × 0.2 × 3.6 inches
(Approx. 54 × 5 × 90 mm) (w/h/d)
(Antenna height: 0.5 inches (Approx. 12 mm))
Mass
Approx. 1.3 oz (Approx. 35 g)
Operating temperature
41°F to 95°F (5°C to 35°C) (not condensed)
Storage temperature
-4°F to 140°F (-20°C to 60°C) (not condensed)

Supplied accessories

See "Unpacking" in the Quick Start Guide.

Design and specifications are subject to change without notice.

Getting help

This section describes how to get help and support from Sony, as well as troubleshooting tips for your Wireless LAN PC Card.

About Sony's Support Options

Sony provides several support options for your Wireless LAN PC Card. When you have questions about your Wireless LAN PC Card and its related software, check these options for answers:

- ☐ **The Troubleshooting Guide** contains FAQs about troubles that you may encounter when using the Wireless LAN PC Card.
- ☐ **The Quick Start Guide** contains the procedures for initial setup of the Wireless LAN PC Card.
- ☐ **The Operating Instructions** manual explains how to use your Wireless LAN PC Card. The Operating Instructions manual (PDF file) is in the “manual” folder on the CD-ROM supplied with the Wireless LAN PC Card. (Adobe® Acrobat® Reader* is required to open PDF files.)
- ☐ **The Sony Wireless LAN PC Card support Web site** <http://www.ita.sel.sony.com/support/wirelesslan/> provides the latest information on your Wireless LAN PC Card. On this Web site, you will find:
 - Answers to Frequently Asked Questions (FAQs)
 - An electronic version of the Operating Instructions
 - Help files
 - Installation information
 - Software upgrades
- ☐ **The Sony e-mail support service** answers your questions by electronic mail. Just send your question in an e-mail message and a customer service representative will reply. To send a question to Sony e-mail support, fill out the e-mail form at <http://www.ita.sel.sony.com/support/wirelesslan/>

- ☐ **The Sony fax-back service** provides you with answers to commonly asked questions. You can use this automated service to request a list of available topics and then select the topics you want to receive. To contact the Sony fax-back service, call **1-877-760-7669**.
- ☐ **The Sony Customer Information Services Center** offers information about your Access Point, Wireless LAN PC Card, and other Sony products that work with your computer. To contact the Sony Customer Information Services Center, **call 1-877-760-7669. Open 24 hours/day, 7 days/week.**

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