Capabilities

Wireless access to the Internet for devices with Ethernet connections

The 2.4 GHz Wireless LAN Converter PCWA-DE30 (hereafter referred to as the Wireless LAN Converter) is designed to allow devices such as desktop computers or printers equipped with Ethernet connection to become part of a wireless network.

Notes

• Only use an Ethernet cable to connect the Wireless LAN Converter to the Ethernet device.
• The Wireless LAN Converter does not have an Access Point.
• When setting up the Wireless LAN Converter without the Quick Setup switch, a computer running the Microsoft Windows XP (Home edition or Professional), Windows Me or Windows 98 (SP3) operating system is required.
• When connecting to the Access Point, you may need to adjust the transmission power on the Access Point.
• You cannot use the Wireless LAN Converter with the Quick Setup switch if you connect to an Access Point other than the PCWA-AR300.
• The status indicator on the Wireless Unit of the Wireless Broadband Router PCWA-AR300 flashes when you connect the Converter to the Wireless Broadband Router PCWA-AR300. Refer to the documentation of your Access Point for details about how to complete the setup. If your Access Point data encryption (WEP) is not configured, we strongly suggest that you configure it before proceeding.

Connection example


devices equipped with Wireless LAN Converter in communication directly when using the Peer-to-Peer Network connection mode without using a Wireless Access Point.

You cannot connect the Wireless LAN Converter to Access Points other than the PCWA-AR300. For details about connection to other Access Points, see the “Configuration with the Utility Software” on the next page.

Configuration with the Quick Setup Switch

When the Wireless LAN Converter is connected to the PCWA-AR300, you can use the Quick Setup switch to configure it. When the Wireless LAN Converter is connected to another type of Access Point, use “Configuration with the Utility Software” instead.

Procedure 1

Complete the Access Point setup

Refer to the documentation of your Access Point for details about how to complete the setup. If your Access Point data encryption (WEP) is not configured, we strongly suggest that you configure it before proceeding.

Procedure 2

Connect the PCWA-AR300

1. Connect the Unit of the Wireless Broadband Router PCWA-AR300 to the PCWA-AR300. (not included)
2. Power switch
3. Wireless Unit (not included)
4. Power Unit
5. AC adapter
6. Ethernet cable (not included)

PCWA-AR300

• Connect the Unit of the Wireless Broadband Router PCWA-AR300 to the PCWA-AR300. (not included)
• Connect the AC adapter to the PCWA-AR300 and the power outlet.
• Proceed to the next procedure to turn on the AC adapter.

Procedure 4

Connect the Wireless LAN Converter to the device that you want to use for wireless communication

1. Connect the Wireless Unit and Power Unit.
2. Connect the Power Unit to the computer or other device capable of wireless communication using an Ethernet cable.
3. Connect the Power Unit to an AC outlet using the power cord.

For details about the Wireless LAN Converter setup, refer to the Help.

To display Help

Click the “Start” button, point to “Programs” (or “All Programs” in Window XP operating system, point to “VAIO Programs”) point to “Wireless LAN”, and then click “Converter Setup Help”.

To display Help for the Wireless LAN Converter Setup Page

Click the “?” icon or “Help” on the Wireless LAN Converter Setup Page.

Procedure 3

Perform Quick Setup

1. Wait until the PCWA-AR300, and the Wireless LAN Converter start.
2. Press the Quick Setup switch of the PCWA-AR300 Wireless Unit for at least one second. When the status indicator on the PCWA-AR300 starts flashing red, it is ready for quick setup.
3. Press the Wireless LAN Converter Quick Setup switch for at least one second. When the Status indicator on the PCWA-AR300 stops flashing red and the Wireless LAN Converter’s begins flashing white, quick setup is complete.
4. Turn off the Wireless LAN Converter.

Hints

• When changing the Access Point settings, see “If You Change the Access Point Settings”, overleaf.
• If you want to use the Wireless LAN Converter in “Start of Quick Setup”, refer to the Help.

Hints

• The Wireless LAN Converter does not have a power switch.
• You cannot connect the cables with multiple throughs or crossover setup.

What’s the main indicators of the Wireless LAN Converter changes to white when you connect the wireless communication device, configuration is complete.

Hints

• If you change the Access Point settings, see “If You Change the Access Point Settings”, overleaf.

For details about the Wireless LAN Converter setup, refer to the Help.

To display Help

Click the “Start” button, point to “Programs” (or “All Programs” in Windows XP operating system, point to “VAIO Programs”) point to “Wireless LAN”, and then click “Converter Setup Help”.

To display Help for the Wireless LAN Converter Setup Page

Click the “?” icon or “Help” on the Wireless LAN Converter Setup Page.

Wireless LAN Converter

(IEEE 802.11g: 2.4 GHz/54 Mbps)

Quick Start Guide

Before reading this guide, be sure to read the “Read This First” supplement. This guide provides an overview of the Wireless LAN Converter PCWA-DE30 features and the necessary configuration.

Unpacking

When you unpack the unit, make sure that all the following items are present:

• Wireless Unit
• Power Unit
• Power cord
• CD-ROM (Setup disc)
• Read This First
• Quick Start Guide (this document)
• Troubleshooting Guide
• Limited Warranty

Notes

• Sony, VAIO, CarrierGate, and the FoxGate logo are trademarks of Sony Corporation.
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Configuration with the Utility Software

Procedure 1

Verifying the computer used for setup and the Access Point, and configuring necessary settings

Before starting setup of the Wireless LAN Converter with the Converter Setup Utility, verify the following points.

Verify the Ethernet connector of computer used for setup

Verify whether the connector of the computer to be used for setup and provide the required Ethernet cable.

Note
You can use a different cable with straight-through or crossover wiring.

Verify the Access Point

Make sure that the 2.4 GHz Wireless LAN Access Point to be used is on. Also verify the Network Name (SSID) and Encryption (WEP) key settings of the Access Point. Make sure that the 2.4 GHz Wireless LAN Access Point to be used is on. Also verify the Network Name (SSID) and Encryption (WEP) key settings of the Access Point.

Procedure 2

Connecting the Wireless LAN Converter to the computer used for setup

Connect the Wireless LAN Converter and the computer.

Click “Start”, point to “Programs” (when using the Windows XP operating system, point to “All Programs”), point to “Wireless LAN”, and then click “Converter Setup”.

Configure these settings to match those of your Access Point.

Procedure 3

Installing the utility software

Install the utility software to configure the Wireless LAN Converter (Converter Setup Utility) on the computer used for setup.

1 Insert the supplied CD-ROM into the CD-ROM drive of the computer where the Wireless LAN Converter is connected.

2 With computers running the Windows Me or Windows 2000 operating system, double-click the “My Computer” icon on your desktop.

3 In the “My Computer” window, double-click “Setup.exe” on the supplied CD-ROM.

The installation program starts. Follow the instructions on the screen and install the utility software.

Troubleshooting Guide

If You Change the Access Point Settings

If you change the settings of your Access Point, the connections to the Wireless LAN Converter is cancelled. Reconfigure the Network Name (SSID) and Encryption (WEP) keys of the Wireless LAN Converter to match the values of your Access Point. If the Access Point setup is not complete:

• If the Access Point setup is complete:
  Press the reset switch on the bottom of the Wireless Unit with the end of a paper clip or a similar object for at least one second. When the Wireless LAN Converter is connected to a device other than the PCMA-A006, use “Configuration with the Utility Software” as well.

• If the Access Point setup is not complete:
  Reconfigure the Network Name (SSID) and Encryption (WEP) keys of the Wireless LAN Converter to match the values of your Access Point.

Procedure 4

Connecting to a device equipped with Ethernet connector

This procedure is unnecessary if you plan to perform wireless communications with the computer used for setup. If you disconnect the Wireless LAN Converter from the computer used for setup and connect it to the wireless communications device:

Note
If you disconnected the Ethernet cable from the computer used for setup while it is still on, wait at least 10 seconds before reconnecting to the wireless communications device.

Note
To exit the installation program, click “Cancel”.

Case 2: Cannot display the Wireless LAN Converter Setup Page

If it is not possible to display the Wireless LAN Converter Setup Page, click the “Start” button.

Case 3: Cannot display the Wireless LAN Converter Setup Page

If you cannot display the Wireless LAN Converter Setup Page, click the “Start” button.

The setup completion page appears.

4 Configure the “Encryption (WEP),” “Key Length,” and “WEP key” settings.

5 When setup is complete, click “Next”.

Reset to Factory Defaults

1 Turn on the Wireless LAN Converter.

2 Press the reset switch on the bottom of the Wireless Unit with the end of a paper clip or a similar object for at least one second. When the Wireless LAN Converter is connected to a device other than the PCMA-A006, use “Configuration with the Utility Software” as well.

3 When the status indicator begins flashing red, release the reset switch.

The Wireless LAN Converter restarts automatically, and all settings revert to their factory default values.

For more about the following, refer to Read This First.

• Names of parts and functions
• Installation precautions
• Operating precautions
• Specifications