

Introduction

The Spectrum24 LA-41X3 PCI adapter allows a Spectrum24 wireless network to configure, connect to and establish a Spectrum24 wireless network.

Features include:

- Standard NDIS (Network Driver Interface Specification) drivers
- Windows 95, 98, NT 4.0 and CE driver support
- Plug and Play support
- Card and Socket Services Support.

Scope

This Getting Started Guide contains LA-41X3 PCI adapter installation and configuration instructions for Windows 95/98 and NT. For instructions on using the Spectrum24 Plus Pack utilities, refer to the Spectrum24 Plus Pack Users Guide.

Installing the PCI Adapter

The physical PCI adapter installation differs for each system. Refer to the system manufacturer documentation for specific information.

Preparation

Before beginning the installation, verify the package contains:

- Spectrum24 LA-41X3 PCI adapter
- Installation CD.

Note: Verify the model indicated on the PCI adapter and packaging before use. Contact the Symbol Support Center if an item is missing or not functioning.

Installation

The Spectrum24 PCI adapter installation requires:

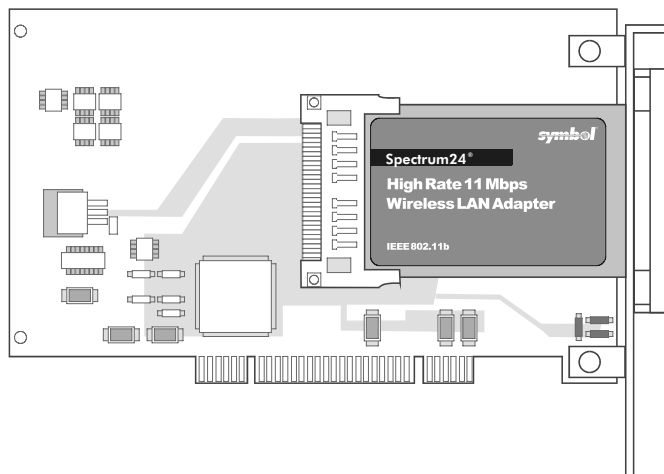
- a computer with a PCI slot
- a CDROM drive
- an available interrupt (IRQ)
- an available I/O port address

Note: Installation and removal methods vary for different host devices. Refer to system documentation for information.



Spectrum24[®]

Wireless LAN Adapter LA-41X3 PCI Adapter Quick Reference Guide



Installing and Configuring the Spectrum24 Driver in Windows 95/98

- To install the PCI adapter:
1. Power off the computer before installing the adapter. If the system has a PCMCIA adapter installed, the PCI adapter can function as a second controller.
 2. Remove the computer cover.
 3. Locate an available PCI slot in the computer.
 4. Remove the retaining screw and bracket for the slot.
 5. Align the adapter with the slot and insert firmly. Verify the adapter seats into the slot evenly.
- The PCI adapter includes a desktop antenna. To attach the antenna:
1. Attach the antenna cable to the antenna connector on the PCI adapter. The PCI adapter is ready to be configured.

CAUTION! Use proper grounding for the environment when handling computer components.

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Patents

This product is covered by one or more of the following U.S. and foreign Patents:
U.S. Patent No. 4,360,798; 4,369,361; 4,387,297; 4,460,120; 4,496,831; 4,593,186; 4,603,262; 4,607,156; 4,652,750; 4,673,805; 4,736,095; 4,758,717; 4,816,660; 4,845,350; 4,896,026; 4,897,532; 4,923,281; 4,933,538; 4,992,717; 5,015,833; 5,017,765; 5,021,641; 5,029,183; 5,047,617; 5,103,461; 5,113,445; 5,130,520; 5,140,144; 5,142,550; 5,149,950; 5,157,687; 5,168,148; 5,168,149; 5,180,904; 5,229,591; 5,230,088; 5,235,167; 5,243,655; 5,247,162; 5,250,791; 5,250,792; 5,262,627; 5,262,628; 5,266,787; 5,278,398; 5,280,162; 5,280,163; 5,280,164; 5,280,498; 5,304,786; 5,304,788; 5,306,909; 5,321,246; 5,324,924; 5,337,361; 5,367,151; 5,373,148; 5,378,882; 5,396,053; 5,396,055; 5,399,846; 5,408,081; 5,410,139; 5,410,140; 5,412,198; 5,418,812; 5,420,411; 5,436,440; 5,444,231; 5,449,891; 5,449,893; 5,468,949; 5,471,042; 5,478,998; 5,479,000; 5,479,002; 5,479,441; 5,504,322; 5,519,577; 5,528,621; 5,532,469; 5,543,610; 5,545,889; 5,552,592; 5,578,810; 5,581,070; 5,589,679; 5,589,680; 5,608,202; 5,612,531; 5,619,028; 5,664,229; 5,668,803; 5,675,139; 5,693,929; 5,698,835; 5,705,800; 5,714,746; 5,723,851; 5,734,152; 5,734,153; 5,745,794; 5,754,587; 5,762,516; 5,763,863; 5,767,500; 5,789,728; 5,808,287; 5,811,785; 5,811,787; 5,815,811; 5,821,519; 5,821,520; 5,823,812; 5,828,050; 5,850,078; 5,861,615; 5,874,720; 5,875,415; 5,900,617; 5,902,989; 5,907,146; 5,912,450; 5,914,478; 5,917,173; 5,920,059; 5,923,025; 5,929,420; 5,945,658; 5,945,659; 5,946,194; 5,959,285; D305,885; D341,584; D344,501; D359,483; D362,453; D363,700; D363,918; D370,478; D383,124; D391,250; D405,077; D406,581; D414,171; D414,172
Invention No. 55,358; 62,539; 69,060; 69,187 (Taiwan); No. 1,601,796; 1,907,875; 1,955,269 (Japan); European Patent 367,299; 414,281; 367,300; 367,298; UK 2,072,832; France 81/03938; Italy 1,138,713

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Installing the Driver in Windows 95

To install the driver for the first time in Windows 95:

Note: The Spectrum24 Windows driver ships with the Symbol Network Control Panel Applet (NCPA) utility. Use NCPA to view and configure Spectrum24 LA-41X3 PCI adapter settings.

Note: Launch the ricohinf.exe file from the Win9x directory before loading the driver. Restart the computer before loading the driver.

1. Install the Spectrum24 PCI adapter as described in the installation section.
2. Power up the system.
3. Insert the Spectrum24 Windows driver installation CD.
4. When Windows 95 recognizes the PCI adapter, an Update Device Driver Wizard dialog box appears requesting a driver to install. Click Next.
5. Click Finish when Windows displays the following message:
Windows found the following updated driver for this device: Symbol Spectrum24 PCI adapter.

Complete the installation instructions displayed by the Windows 95 operating system.

6. Enter the network ESSID in the Symbol Easy Setup window. Click OK.
7. Click Finish.
8. When prompted, reboot the computer.

Installing the Driver in Windows 98

To install the driver for the first time in Windows 98:

Note: The Spectrum24 Windows driver ships with the Symbol Network Control Panel Applet (NCPA) utility. Use NCPA to view and configure Spectrum24 LA-41X3 PCI adapter settings.

1. Install the Spectrum24 PCI adapter as described in the installation section.
2. Power up the system.
3. Insert the Spectrum24 Windows driver installation CD.
4. When Windows 98 recognizes the PCI adapter, the Add New Hardware dialog box appears. Click Next.
5. Select Search for best driver for your device. Click Next.
6. Select the location of the installation CDROM. Click Next.
7. Click Next when Windows displays Spectrum24 WLAN PCI Adapter.
8. Enter the network ESSID in the Symbol Easy Setup window. Click OK.
9. Click Finish.
10. When prompted, reboot the computer.

Configuring the LA-41X3 PCI Adapter for Windows 95/98

To configure the PCI adapter for Windows 95/98 support:

1. From the Windows 95/98 Control Panel, select Network and select Symbol PC Card. Click on the Properties tab.
2. From the Symbol Easy Setup window, click the Advanced button to view the PCI adapter settings.
Use the NCPA Mobile Unit, Mobile IP, Encryption and WLAN Adapter tabs to view or adjust the adapter configuration settings.
3. Exit and save the configuration settings by clicking OK or Finish. Select Cancel to use the default settings.
4. Restart the system for the changes to take effect.

Installing and Configuring the Spectrum24 Driver in Windows NT

The Spectrum24 Windows driver ships with the Network Control Panel Applet (NCPA) utility. Use NCPA to view and edit Spectrum24 LA-41X3 PCI adapter settings.

Before installing the Spectrum24 32-bit Windows driver:

- verify the Spectrum 24 LA-41X3 PCI adapter is installed
- obtain the Spectrum24 Windows driver installation CD

Symbol recommends updating the Spectrum 24 LA-41X3 PCI adapter to the latest firmware. Use the NICUpdate utility to update the firmware. Refer to the documentation shipped with the Spectrum24 Plus Pack utility suite for instructions on using NICUpdate. To download the latest firmware, go to (http://www.symbol.com/services/downloads/download_spec24.html).

Installing the Driver in Windows NT

To install the driver for the first time in Windows NT:

Note: The Spectrum24 Windows driver ships with the Symbol Network Control Panel Applet (NCPA) utility. Use NCPA to view and configure Spectrum24 adapter settings.

1. Install the PCI adapter as described in the installation section.
2. Power up the system.
3. Insert the Spectrum24 Windows driver installation CD.
4. From the Windows NT Control Panel, select Network.
5. Select the Adapters tab. Click Add.

6. Click Have Disk.
7. Enter the drive letter assigned to the CD drive. Click OK.
8. When the Select OEM Option dialog box appears, select the Symbol PCI adapter. Click OK.
9. Enter the network ESSID in the Symbol Easy Setup window. Click OK.
The Network dialog box appears.
10. Click Close, and complete the installation instructions displayed by the Windows NT operating system.
11. Reboot the computer when prompted by Windows NT.

Configuring the LA-41X3 PCI Adapter for Windows NT

To configure the PCI adapter for Windows NT support:

1. From the Windows NT Control Panel, click on the Network icon, select the Adapters tab and select Symbol PC Card. Click on the Properties tab.
2. From the Symbol Easy Setup window, click the Advanced button to view the PCI adapter settings.
Use the NCPA Mobile Unit, Mobile IP, Encryption and WLAN Adapter tabs to view or adjust the adapter configuration settings.
3. If necessary, configure the hardware and radio parameters.
4. Click OK or Close to exit and save the configuration settings.
5. Remove the Spectrum24 driver installation CD and follow the remaining instructions.
6. Reboot the computer when prompted by Windows NT.

Troubleshooting

If problems are encountered during the installation of the adapter or driver, refer to Spectrum24 Wireless LAN Models LA-41X1 PC Card & LA-41X3 PCI Adapter Product Reference Guide or contact the Symbol Support Center (1-800-653-5350).

Specifications

The LA-41X3 PCI adapter has the following specifications:

- Dimensions: 6 inches x 5 inches
- Weight: 4.3 oz
- Operating Temperature: 32° to 100°
- Humidity: 95% maximum non condensing
- Altitude: Storage - 15,000 ft. (4.6 km) Operating - 8,000 ft. (2.4 km)
- Shock: 40 G, 11mS, half sine

Customer Support

Symbol Technologies provides its customers with world-class customer service and technical support. The Symbol Support Center operates as the single point of contact for any technical problem, question or support issue.

The Support Center operates all year, 24 hours a day, staffed by full-time professional Technical Specialists.

If Symbol cannot solve the problem immediately within its tiered, technical-support center, access to all technical disciplines within Symbol become available for further assistance and support. First response / contact within 24 hours or one business day. Responses by email, fax or telephone.

North American Contacts

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Fax: 1-516-738-5990

Symbol Support Center:

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Fax: (516) 563-5410

Email: support@symbol.com

International Contacts

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Additional Information

Obtain additional information by contacting Symbol at:

1-800-722-6234, inside North America

+1-516-738-5200, in/outside North America

<http://www.symbol.com/>