

EPSON Stylus[®] C80WN

Setup and Installation

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Introduction

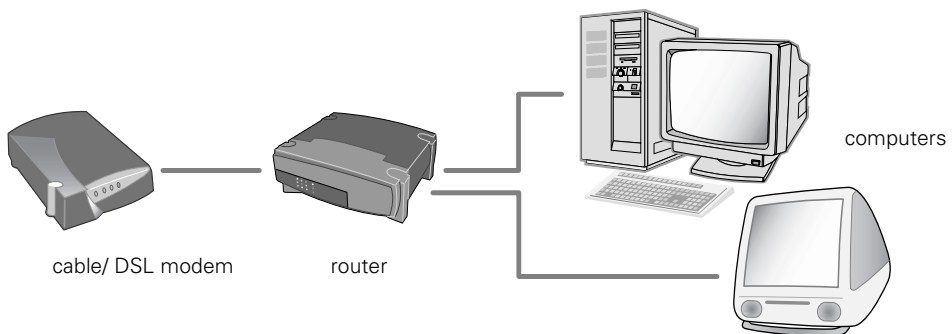
Your EPSON Stylus® C80WN printer combines all the features of EPSON's exclusive ink jet technology—extremely fast print speeds, ultra-sharp text, vibrant colors, and long-lasting DuraBrite™ ink—with a wireless print server.

- You can print from any computer on your existing wireless network.
- Even without an existing network, you can print from a wireless-equipped Windows® PC or laptop, Macintosh®, Apple® iBook,™ or PowerBook®, from distances up to 120 feet.

The EpsonNet 802.11b Wireless Print Server included with the printer is compatible with most wireless adapters and access points that comply with the WiFi™ (Wireless Fidelity) standard. This book provides all the instructions you'll need for setting up the printer, installing the software, and configuring your system for wireless printing.

Two Ways to Use the Printer

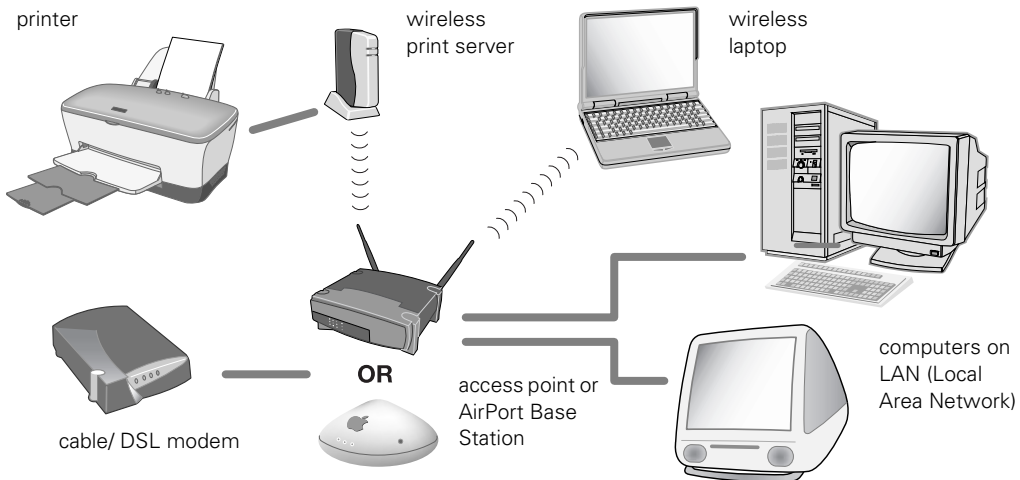
The EPSON Stylus C80WN is designed for use in a small office, home, or school network. On a wired network like the one illustrated below, the computers and other equipment share information through a series of cables.



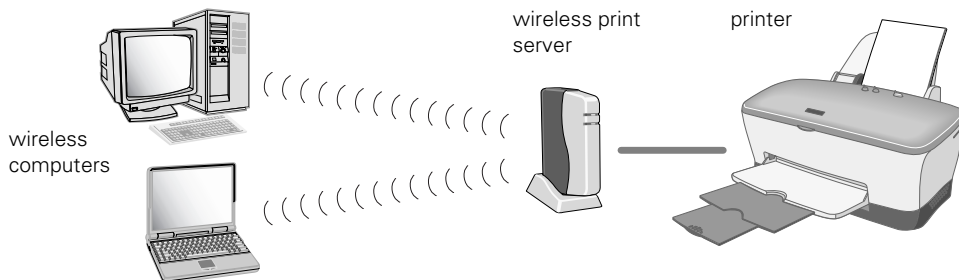
With a wireless network, you share information between computers and printers using radio waves, similar to the technology used in cordless phones. You can place the EPSON Stylus C80WN in a convenient location and print to it without having to connect it to your computer or an existing wired network.

You can add the EPSON Stylus C80WN to your network either with or without a wireless access point (or AirPort™ Base Station).

If you have an access point/base station, both wired and wireless-equipped computers can print to the printer. Your computers communicate with the access point, which communicates in turn with the wireless print server. In addition to letting computers share the printer, an access point might be used to allow computers to share other resources, such as Internet access. The illustration below shows a wireless network that uses an access point.



If you don't have an access point, you can still print to the EPSON Stylus C80WN from any desktop computer or laptop that has a wireless adapter. In the illustration below, both wireless-equipped computers communicate directly with the print server.



Before you can set up your EPSON Stylus C80WN, you need to decide how you will use it: either with an access point (in *infrastructure mode*), or without an access point (in *ad hoc mode*, also called ad hoc 802.11b, computer-to-computer, and peer-to-peer).

Windows System Requirements

For wireless printing with the EPSON Stylus C80WN, make sure each computer meets the following requirements:

- A Microsoft® Windows compatible PC or laptop with a Pentium® processor or later, 200 MHz or faster recommended
- Windows 95, Windows 98, Windows Me, Windows NT® 4.0, Windows 2000, or Windows XP
- 32MB of RAM (64MB recommended)
- 100MB of free hard disk space (200MB or more recommended)
- VGA or better display adapter and monitor
- CD-ROM or DVD drive for installing the printer software

In addition, each computer needs to be connected to an existing wired network that has a wireless access point, or needs to have a wireless adapter installed.

- An access point may be combined with a hub or router or may be a separate unit. For a current list of supported access points, see EPSON's web site at: <http://support.epson.com>.
- Wireless adapters can be installed in a PCMCIA slot on a laptop, a PCI slot in a desktop computer, or connected through a USB port.

Make sure your wireless adapters(s) work in ad hoc mode if you want to print without an access point. For a list of supported adapters, see EPSON's web site at: <http://support.epson.com>.

Macintosh System Requirements

For wireless printing with the EPSON Stylus C80WN, make sure each Macintosh meets the following requirements:

- An Apple iBook, iMac,[™] PowerBook G3 or G4, Power Mac G4 Cube, or Power Mac G3 or G4
- Mac[®] OS 8.6 through 9.2 (Mac OS 9.2 recommended)



If you are using Mac OS X, check the EPSON website for driver updates and support information. Connect to the Internet, then go to <http://support.epson.com>.

- 32MB of available RAM (64MB recommended)
- 100MB of free hard disk space (200MB recommended)
- VGA display or better
- CD-ROM or DVD drive for installing the printer software

In addition, each computer either needs to have a wireless adapter installed, or needs to be connected to an existing wired network that has a wireless access point or AirPort Base Station.



If you are using AirPort, Epson recommends that you use the print server with an access point or AirPort Base Station. With AirPort, your print server works more reliably in infrastructure mode.

- Make sure the access point supports AppleTalk[®]. For a list of supported access points, see EPSON's web site at: <http://support.epson.com>.
- For computers not connected to a wired network, you need an AirPort card or Macintosh-compatible wireless adapter. Make sure your card or adapter works in ad hoc mode if you want to print without an access point. For a list of supported adapters, see EPSON's web site at: <http://support.epson.com>.
- If you are using an AirPort card or the AirPort Base Station, use AirPort software version 1.3 or later.

Where to Get Information

Use this booklet to set up and configure your EPSON Stylus C80WN for wireless network printing. Please follow these guidelines:



Warnings must be followed carefully to avoid bodily injury.



Cautions must be observed to avoid damage to your equipment.



Notes contain important information about your printer.

For additional information, check the following:

■ ***Printer Basics***

Tells you how to print all types of documents and photos with Windows or on a Macintosh, maintain the printer, and solve basic problems.

■ ***Your on-screen Reference Guide***

Provides detailed information about your printer and instructions for printing, adjusting printer settings, monitoring the printer, managing print jobs, and solving problems. You can either view the on-screen *Reference Guide* from the CD-ROM or install it on your computer(s) and view it from there. See page 6 for more information.

■ **On-screen software help**

If you need assistance as you use the printer software, click the Help button.

■ **<http://support.epson.com>**

You can receive technical advice through e-mail and access troubleshooting information, software updates, and new print server firmware. Information about configuring the print server for NetWare® environments and other network protocols is also available.

If you still need help after checking these sources, you can speak to a technical support representative or take advantage of EPSON's automated support services as described on page 50.

Viewing Your On-Screen Reference Guide

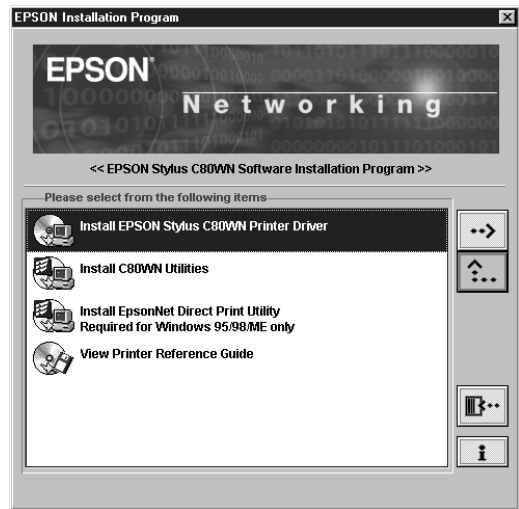
Your printer CD-ROM includes an on-screen *Reference Guide*. You need a browser—such as Microsoft Internet Explorer 3.0 or later or Netscape™ Navigator™ 3.0 or later—to view it.

Follow these steps to view your on-screen *Reference Guide*:

1. Insert your printer software CD-ROM.
2. **Windows:** You see the EPSON Installation Program window.

If you don't see this window, double-click  My Computer on your desktop, then double-click the  Epson CD-ROM icon. (For Windows XP, click  My Computer from the Start menu, then double-click the  Epson CD-ROM icon.)

Macintosh: Double-click the Online Guide folder in the CD-ROM window. Then double-click the Stylus C80WN Manual icon. You see the EPSON Installation Program window.

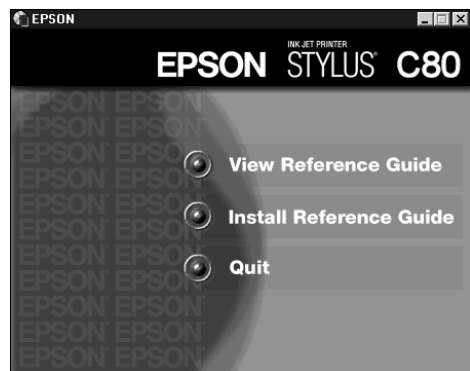


3. Double-click View Printer Reference Guide. You see this screen:

You can either view the guide from the CD-ROM (View Reference Guide) or copy the guide to your hard drive (Install Reference Guide) and view it from there.

If you copy the guide to your hard drive, you can access it at any time, as follows:

- **Windows:** Select Start, Programs or All Programs, EPSON, and click ES C80 Guide.
- **Macintosh:** Open the EPSON C80 folder and double-click View Reference Guide.



Setting Up Your Printer

This chapter describes how to unpack and set up your printer and print server.

You can locate the printer and print server anywhere in your home or office. However, keep in mind that walls and ceilings will weaken the signal between your print server, computer(s), and access point, and that the print server must be within 120 feet of your other equipment.

Make sure you choose a location away from high temperatures, direct sunlight, humidity, and dust. Do not place the print server on a metal surface or near other devices that might cause interference, such as cordless phones operating at 2.4 GHz, microwave ovens, or Bluetooth[™] devices.

Follow the instructions in these sections:

- Unpacking the printer
- Installing the ink cartridges
- Loading paper
- Running a printer check
- Connecting the print server

Unpacking the Printer

Follow these steps to unpack the printer, remove the packaging material, and attach the paper support:

1. Take everything out of the box. Make sure you have all the items shown here:



print server
power supply



Setup and
Installation

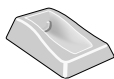
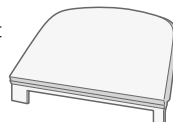


Printer Basics



printer software
CD-ROM

paper support



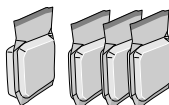
print server
base



print
server



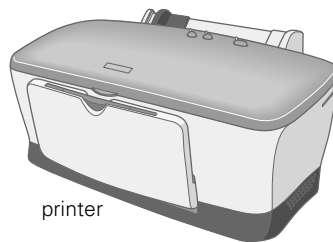
parallel cable



ink cartridges

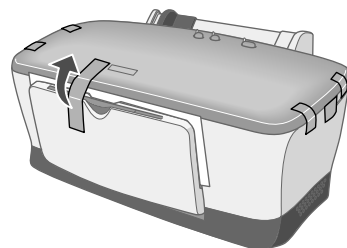


printer power cord

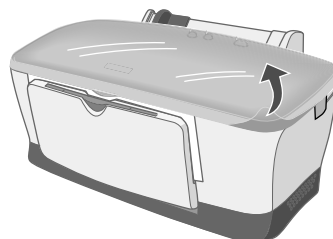


printer

2. Remove all the tape and packing material from the printer, as shown. Be sure to check inside and all around the printer for tape and other packing materials.



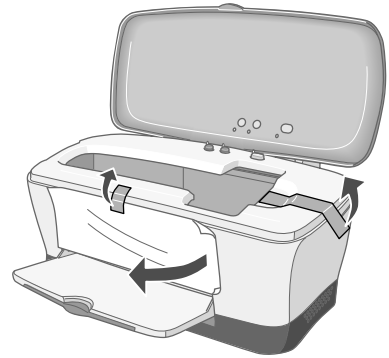
3. Peel off the plastic film from the printer's cover.



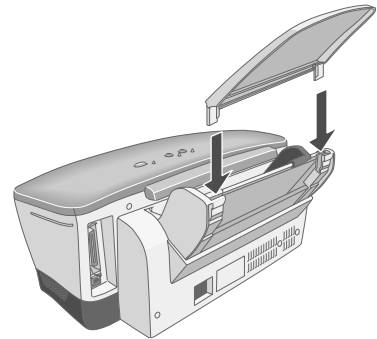
4. Open the cover and remove the tape and protective paper.



Make sure you follow all the Safety Instructions listed in the *Printer Basics* book.



5. Locate the paper support slots at the back of the printer. Position the paper support as shown, then slide it into the slots. (Make sure you don't place the paper support in the paper feeder.)



Installing the Ink Cartridges

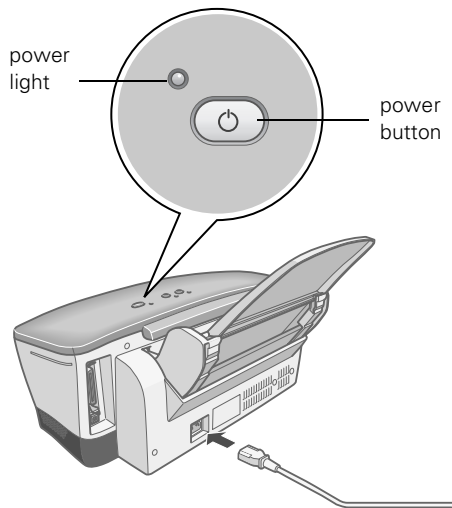
Follow these steps to plug in the printer, turn it on, and install the ink cartridges:

1. Plug the printer's power cord into the AC inlet on the back of the printer. Then plug the other end into a grounded electrical outlet.
2. Press the  power button to turn on the printer.

The green  power light flashes and the ink cartridge holders begin to move.



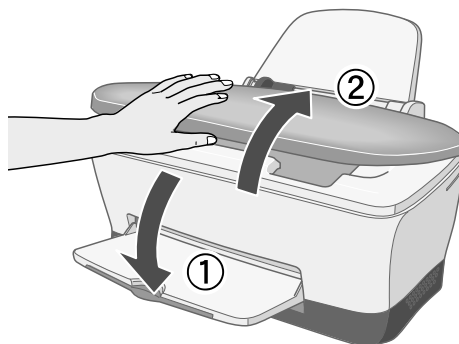
Always use the  power button to turn the printer on or off. Never use an external switch, such as a power strip switch or wall switch.



3. Lower the printer's output tray and open the cover.



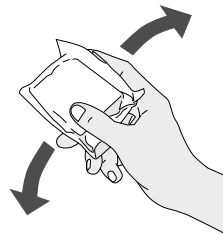
Keep ink cartridges out of the reach of children. If ink gets on your skin, wash the area thoroughly with soap and water. If ink gets in your eyes, flush them immediately with water.



4. Shake each cartridge four or five times. Then unwrap the cartridges.



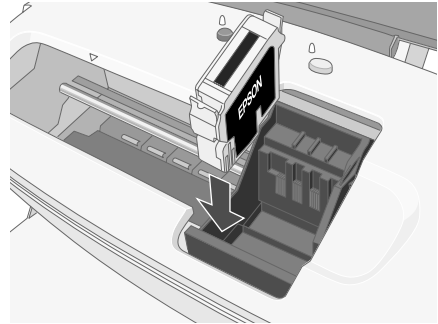
Don't remove the cartridge labels, or ink may leak.



5. Wait for the ink cartridge holders to move into loading position. Then lower each ink cartridge into its holder. The color of the cartridge label should match the sticker on the holder.



Install all four ink cartridges, and leave them installed for all types of printing, or the printer won't work.

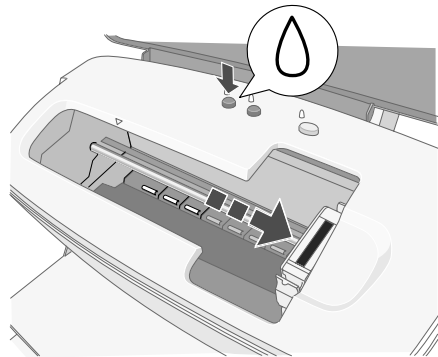


6. Gently push each cartridge down until it clicks into place.
7. Press the  ink button and close the printer cover.

Ink charging takes about 90 seconds. You see the green  power light flash and hear the printer working. Don't turn off the printer during this process or you'll waste ink.



Never turn off the printer when the green  power light is flashing, unless the printer hasn't moved or made any noise for more than 5 minutes.

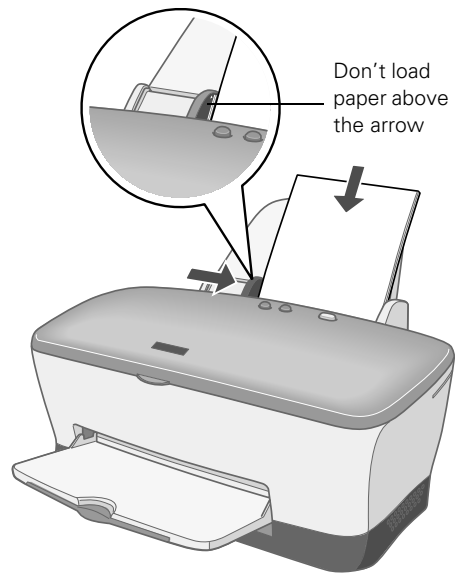


Loading Paper

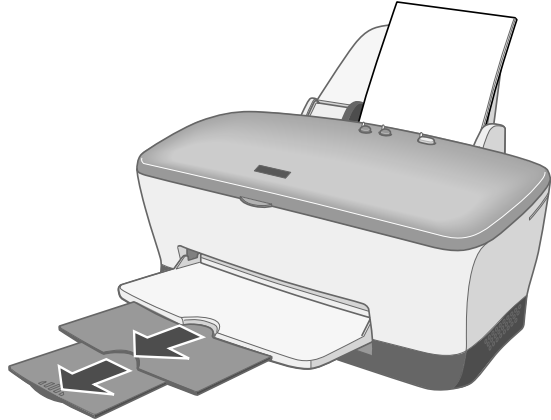
1. Load a few sheets of paper against the right edge of the paper feeder.
2. Slide the left edge guide against the paper.

Don't load paper above the arrow inside the left edge guide.

Make sure the paper lies flat against the paper support.



3. Pull out the output tray extensions.



Running a Printer Check

Before you connect the printer, print a test page to make sure the printer is working properly. Make sure letter-size or larger paper is loaded in the printer.

1. Press the  power button to turn off the printer.
2. Hold down the  paper button as you press and release the  power button.
3. Continue holding down the  paper button until the  power light starts flashing, then release it.

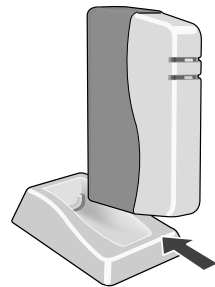
The printer prints a sheet showing its ROM version number, ink counter, and a nozzle check pattern. If the test page prints, continue with the instructions below for connecting the print server.

If the test page doesn't print, check the control panel lights. See the "Problem Solving" chapter in the *Printer Basics* book for control panel guidelines. If none of the solutions work, contact EPSON as described on page 50.

Connecting the Print Server

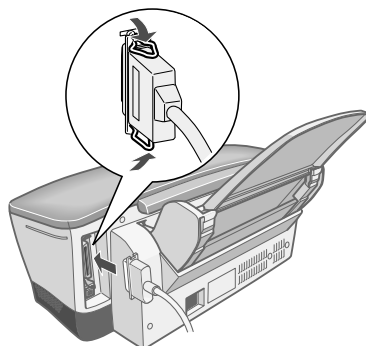
Once the printer is set up and has ink and paper, you're ready to connect the print server.

1. Press the  power button to turn off the printer.
2. Slide the print server into the base and press firmly to attach it.

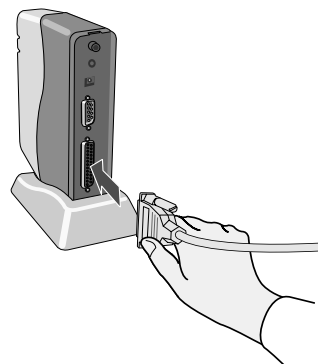


3. Locate the parallel cable included with the printer. Connect the larger end of the cable to the printer's parallel port.

Then secure it with the wire clips.



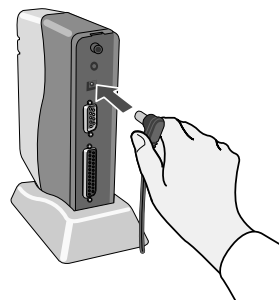
4. Connect the other end of the cable to the parallel port on the print server and secure it as necessary.



5. Connect the power supply to the print server.
6. Plug the AC adapter into an electrical outlet. Both the green and yellow lights come on for a moment and then go out.



If the green light blinks continuously in a regular pattern, try unplugging the print server. If you still see the light blinking after you plug it in again, contact EPSON as described on page 50.

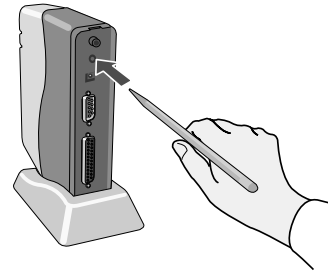


7. Press the  power button to turn on the printer.

8. To test the connection between the print server and printer, press the test button for one second and release it.



If you hold the test button down, you may reset the print server. If you do this, wait for the print server's lights to go out, then press the button again and release it immediately to print the status page.



- If the print server status page prints, you're ready to install the software and configure your system for wireless printing. See the next section for instructions.
- If the status page doesn't print, make sure the printer is ready and is not out of ink or paper. (See page 13 for instructions on testing the printer.) Then turn off the printer, unplug the print server, and check the cable connections at both ends. Plug the server back in, turn on the printer, and press the test button again. If the test page still doesn't print, contact EPSON as described on page 50.

Installing Software and Configuring the Print Server

This chapter explains how to install the software you need to configure the EpsonNet 802.11b Wireless Print Server and use it on a Windows or AppleTalk network. It also explains how to set up additional computers to use the printer on a wireless network.

Your printer CD-ROM includes the following software:

- **EPSON Stylus C80WN printer driver**
You must install the printer driver on every computer that uses the EPSON Stylus C80 printer. This software controls print settings, lets you monitor the printer's status, and provides several utilities for printer maintenance. For instructions on using your printer driver, see the *Printer Basics* book.
- **EpsonNet Direct Print**
This software, which sets up a network printer port, must be installed on every Windows Me, 98, or 95 computer that uses the printer.
- **WP-Admin**
This utility lets you configure the print server for most network protocols. For most networks, it is the only configuration utility you need to install.
- **XAdmin32**
This utility lets you configure the print server for a Novell® NetWare network and perform more advanced configuration for other protocols.

Your print server also comes with a built-in web-based configuration utility, which enables you to change configuration settings from any computer on the wireless network that supports a standard web browser. You must configure the print server using WP-Admin or XAdmin32 before you can use this utility.



To use the print server's built-in configuration utility, just start your web browser and enter the print server's IP address in the browser's Address box.

For more information about the print server's built-in configuration utility or XAdmin32, visit EPSON's web site at support.epson.com. XAdmin32 also provides on-screen help.

Setting Up Printing From Windows

This section explains how to install the software on your first computer and configure the print server for use on your wireless network. It also explains how to set up additional Windows computers to use the network.

Installing and Setting Up on the First Computer

In addition to installing the wireless configuration utility and configuring the print server on the first computer, you need to install the printer driver and set up a network port if you want to print from this computer.

Before you begin, do the following:

- Follow the instructions beginning on page 7 to set up the printer, connect it to the print server, and test the connection.
- Make sure the wireless mode for your computer is set to Infrastructure if you are connecting to the printer through an access point, or 802.11b Ad Hoc if you are connecting without an access point. See the documentation or online help for your wireless adapter for instructions.



If your wireless adapter includes an 802.11b Ad Hoc option, you must select it to use the printer in ad hoc mode. If it doesn't include this option, select Ad Hoc, Computer-to-Computer, or whatever mode your adapter uses to communicate without an access point. *Do not* select a pseudo ad hoc or proprietary ad hoc mode. See the documentation for your adapter for details.

- If you're using WEP (Wired Equivalent Privacy) encryption on your wireless network, you need to temporarily disable WEP on your computer. This allows you to connect to and configure the print server. Follow the instructions in your wireless adapter's documentation. Be sure to write down the WEP key used on your network—you'll need it when you configure the print server. When you're done configuring the print server, you can enable WEP on your computer again.



If your access point only allows WEP-enabled clients to connect to it, you may have to set your computer's wireless mode to 802.11b Ad Hoc (or your adapter's wireless ad hoc mode) before you configure the print server. If your computer's wireless mode was originally set to Infrastructure, you can set it back to Infrastructure when you're done.

- Note your computer's IP address. (For instructions on viewing your computer's IP address, see "IP Address" on page 52.) You may need this information when you configure the print server. The print server's IP address must be on the same network segment as the IP addresses for computers and other nodes on your network: that is, the first three segments of the IP address must be the same as those for other IP addresses on your network. For example, if two computers on your network have the IP addresses 192.108.1.101 and 192.108.1.102, your print server's IP address could be 192.108.1.103.



If your network supports DHCP, DHCP automatically assigns a valid IP address to your print server. If any IP address other than the print server's default address, 192.0.0.192, appears in the IP Address box of the WP-Admin Wireless Server Configuration screen, your network supports DHCP (see page 24).

- If you're using infrastructure mode, make sure there is a link with good signal strength (greater than 50 percent) between the computer and the access point. See your wireless adapter's documentation for details.

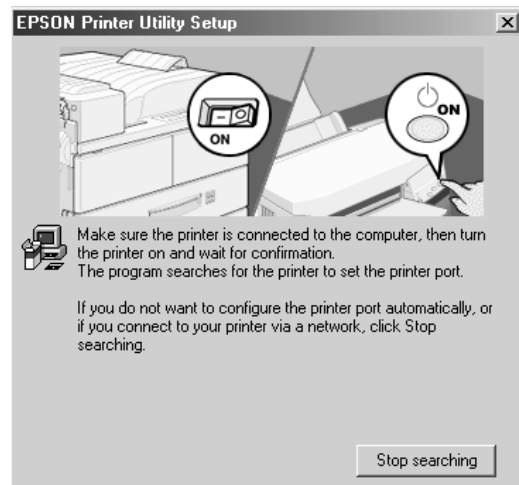
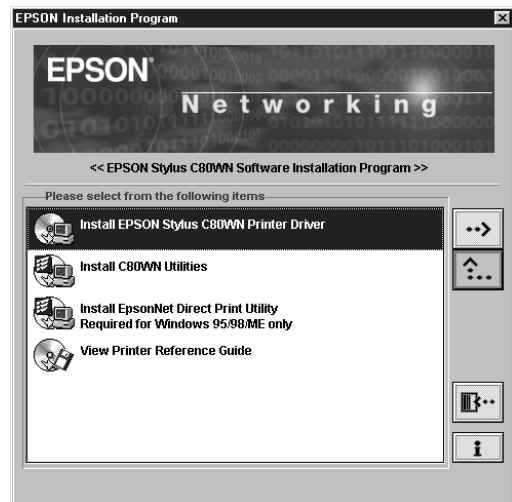
Installing the Printer Driver

Follow these steps to install the printer driver on the first computer:

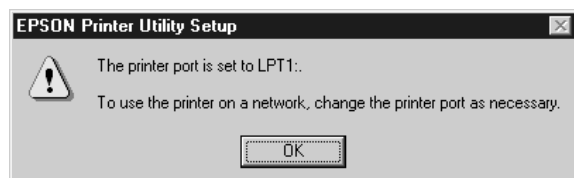
1. Insert your printer CD-ROM in the drive. You see the EPSON Installation Program window.

If you don't see this window, double-click  My Computer on your desktop, then double-click the  Epson CD-ROM icon. (For Windows XP, click  My Computer from the Start menu, then double-click the  Epson CD-ROM icon.)

2. Double-click Install EPSON Stylus C80WN Printer Driver.
3. Read the license agreement and click Accept to continue.
4. When you see this window, click Stop Searching.



5. If you see this message, click OK.



6. When you see the Product Registration screen, follow the instructions to register your printer. At the last screen, click **Done** or close your browser.

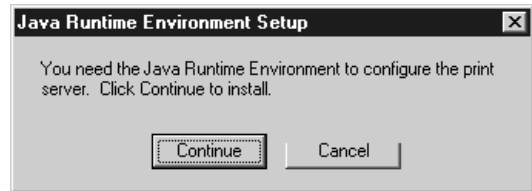
Installing WP-Admin

Once the printer driver is installed, you're ready to install WP-Admin. Follow these steps:



You can use the procedure below to install XAdmin32, if you want. Just select XAdmin32 in step 4. See the on-screen help for XAdmin32 for configuration instructions.

1. Double-click **Install C80WN Utilities** on the EPSON Installation Program screen.
2. If you see this message, click **Continue** to install the Java Runtime Environment.



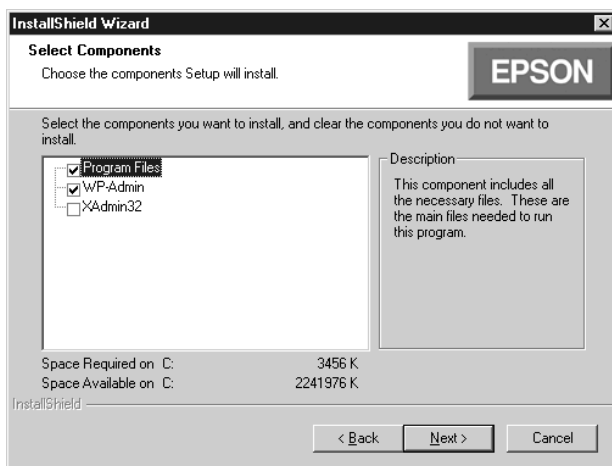
You must install the Java Runtime Environment if it's not already installed on your computer. Your wireless printing utilities will not be installed if you click **Cancel**. If you accidentally click **Cancel**, double-click **Install C80WN Utilities** on the EPSON Installation Program window and follow the instructions on the screen to remove the program, then begin again at step 1 above.

3. When you see the license agreement, read it and click **Yes** to continue.

- Follow the instructions on the screen. When you see this window, click **Next**.



To install XAdmin32, select the XAdmin32 checkbox.



Configuring the Print Server and Finishing Installation

Now you're ready to establish a connection to the print server and configure it for your wireless network. If you're running Windows Me, 98, or 95, you also need to install EpsonNet Direct Print if you want to use the printer.

- Click **START** when you see this window:



The WP-Admin utility picks up the signal from the print server and displays server information like the following:

This information appears when the server is found



This number indicates the signal strength



If WP-Admin fails to pick up a signal from the print server, try holding down the print server's test button for at least five seconds to reset it. The lights go out, then both the green and yellow lights come on briefly. The yellow light remains on when your network has a connection to the print server.

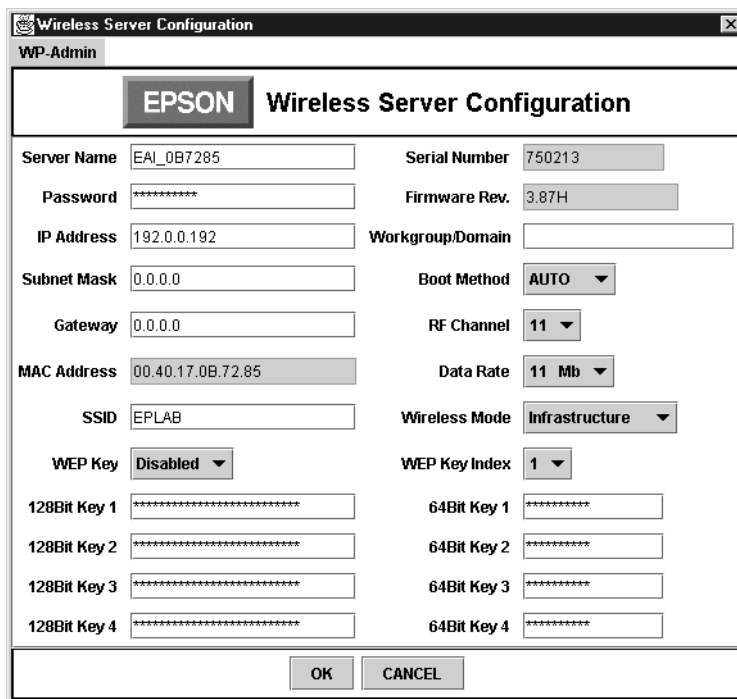
If it still fails to pick up a signal, check the solutions beginning on page 42.

2. If WP-Admin picks up a signal from more than one print server, select the connection with the same MAC address as printed on the sticker on the back of your print server.
3. Check the signal strength appearing in the **SIGNAL** box to make sure you have a link to the print server. If you have a link, click **STOP**. Then click **CONFIGURE**.



If you see the message Wireless Communication Failed, click OK to close the message. Then click CONFIGURE again. If you continue to see this message, move the print server closer to your computer and access point, if you have one. Also, move it away from large metal objects or other devices that interfere with radio signals, such as cordless phones or microwave ovens.

4. When you see a message asking for a password, click OK (the default password is null, or blank). The print server automatically detects the settings for your wireless network. You see the Wireless Server Configuration screen:



The image shows a screenshot of the 'Wireless Server Configuration' window. The window has a title bar with 'Wireless Server Configuration' and a close button. Below the title bar is a tab labeled 'WP-Admin'. The main area has a header with the 'EPSON' logo and the title 'Wireless Server Configuration'. The configuration fields are arranged in two columns. The left column includes: 'Server Name' (EAI_0B7285), 'Password' (masked with asterisks), 'IP Address' (192.0.0.192), 'Subnet Mask' (0.0.0.0), 'Gateway' (0.0.0.0), 'MAC Address' (00.40.17.0B.72.85), 'SSID' (EPLAB), 'WEP Key' (Disabled), and four '128Bit Key' fields (all masked). The right column includes: 'Serial Number' (750213), 'Firmware Rev.' (3.87H), 'Workgroup/Domain' (empty), 'Boot Method' (AUTO), 'RF Channel' (11), 'Data Rate' (11 Mb), 'Wireless Mode' (Infrastructure), 'WEP Key Index' (1), and four '64Bit Key' fields (all masked). At the bottom are 'OK' and 'CANCEL' buttons.

Wireless Server Configuration	
Server Name	EAI_0B7285
Serial Number	750213
Password	*****
Firmware Rev.	3.87H
IP Address	192.0.0.192
Workgroup/Domain	
Subnet Mask	0.0.0.0
Boot Method	AUTO
Gateway	0.0.0.0
RF Channel	11
MAC Address	00.40.17.0B.72.85
Data Rate	11 Mb
SSID	EPLAB
Wireless Mode	Infrastructure
WEP Key	Disabled
WEP Key Index	1
128Bit Key 1	*****
64Bit Key 1	*****
128Bit Key 2	*****
64Bit Key 2	*****
128Bit Key 3	*****
64Bit Key 3	*****
128Bit Key 4	*****
64Bit Key 4	*****



For descriptions of all the settings on the Wireless Server Configuration screen, see Appendix A.

5. Optionally, change the Server Name to something that is easy to remember, or enter a password to limit access to the Wireless Server Configuration screen. (You can enter up to 32 characters in the Server Name field, and up to 16 characters in the Password field.)

6. For Boot Method, select **STATIC**.



If your network supports DHCP, you can leave the Boot Method set to AUTO or change it to DHCP. (If any IP address other than the print server's default, 192.0.0.192, appears in the IP Address box, your network supports DHCP.)

If your Boot Method is AUTO or DHCP, it's recommended that you leave the print server turned on. If you turn the print server off and then turn it on again later, DHCP may assign it another IP address. Then your Windows computers won't be able to print until you set up new network ports for them. (See the instructions beginning on page 29.) Setting the Boot Method to STATIC avoids this problem.

If your Boot Method is AUTO or DHCP, skip to step 8.

7. Do one of the following:

- If your network does not support DHCP (192.0.0.192 appears in the IP Address box), enter an IP address that conforms to the IP addressing scheme for your network. The print server must be on the same network segment as the other nodes on your network. (For instructions on viewing your computer's IP address, see "IP Address" on page 52.) For example, if you have two computers on your network whose IP addresses are 192.189.207.3 and 192.189.207.4, the print server's IP address should begin with 192.189.207. The last part of the address can be any number between 1 and 254 except 3 or 4.
- If your network supports DHCP and you set the Boot Method to **STATIC**, change only the last segment of the IP address (the segment of the IP address after the last period). Also, make sure the IP address you assign is outside the range of DHCP assignments (see your DHCP server software for details).



For example, if you enter 250 as the last segment of the IP address, the IP address will probably be outside the range of DHCP assignments. Make sure you don't use the same IP address as another node on your network.

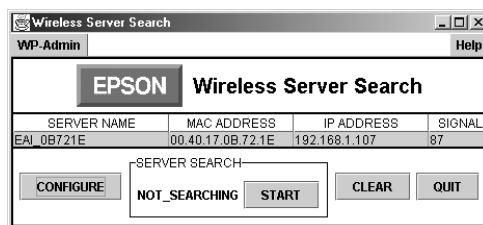
8. If you want to enable WEP encryption, do the following:

- Select either **64BIT** or **128BIT** in the WEP Key box, depending on which version of WEP your network supports.
- Enter your WEP key in either the 128Bit Key 1 box or the 64Bit Key 1 box.

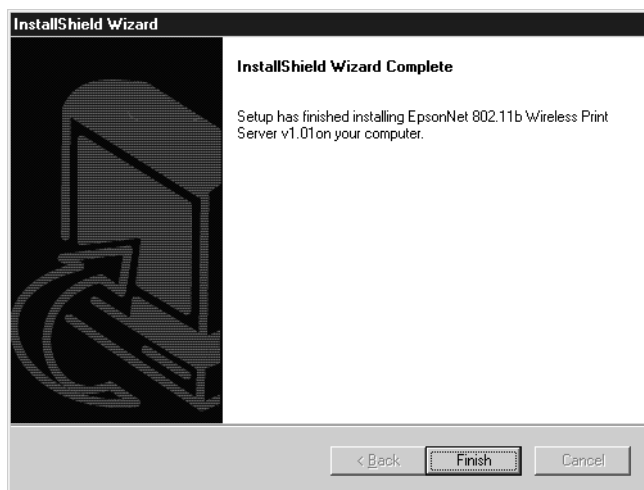


You can enter up to four WEP keys on the screen. (Changing your WEP key periodically adds to network security.) To communicate, every node on the network must use the same WEP key. For more information about WEP keys, check the documentation for your wireless adapter or access point, or ask your network administrator.

- If you're using an access point, set the Wireless Mode to **Infrastructure**. (Remember to enable WEP and reset the wireless mode on your computer when you're done configuring the print server.)
 - Make sure the SSID matches your wireless network's SSID.
9. Make any other changes you want and click **OK**. When you see the Wireless Server Search window again, click **QUIT**.



10. When you see this screen, click **Finish**.



11. If you're running Windows Me, 98, or 95, double-click **Install EpsonNet Direct Print Utility** on the **EPSON Installation Program** screen and follow the instructions on the screen to install the utility and restart your computer.



Now that you've installed WP-Admin, you can change the print server's configuration at any time. To start WP-Admin from the Windows Start menu, click **Programs** or **All Programs** > **Epson Printers** > **EpsonNet Wireless** > **WP-Admin**.

Now you're ready to set up a network port so that your computer can use the printer over the wireless network. Go to one of the following sections:

- If you're running Windows XP, go to "Setting Up a Network Port on Windows XP" on page 29.
- If you're running Windows 2000, go to "Setting Up a Network Port on Windows 2000" on page 30.
- If you're running Windows Me, 98, or 95, go to "Setting Up a Network Port on Windows Me, 98, or 95" on page 32.
- If you're running Windows NT, go to "Setting Up a Network Port on Windows NT" on page 33.

Setting Up Additional Computers

To set up additional computers, you need to install the EPSON Stylus C80WN printer driver and configure a network port on every computer using the printer.

Before you begin, do the following:

- Make sure your computer's wireless mode is set to either Infrastructure, if you are connecting to the printer through an access point, or 802.11b Ad Hoc if you are connecting without an access point. If your wireless adapter doesn't include an 802.11b Ad Hoc option, select Ad Hoc, Computer-to-Computer, or whatever mode your adapter uses to communicate without an access point. *Do not* select a pseudo ad hoc or proprietary ad hoc mode. See the documentation for your wireless adapter for instructions.
- If you're using infrastructure mode, make sure there is a link with good signal strength between the computer and the access point.

Then follow these steps to set up other computers to use the printer:

1. Follow steps 1 through 6 on pages 20 to 21.
2. If you're running Windows Me, 98, or 95, double-click Install EpsonNet Direct Print Utility on the EPSON Installation Program screen and follow the instructions on the screen to install the utility.
3. Restart your computer.
4. Set up a network port on your computer:
 - If you're running Windows XP, go to "Setting Up a Network Port on Windows XP" on the next page.
 - If you're running Windows 2000, go to "Setting Up a Network Port on Windows 2000" on page 30.
 - If you're running Windows Me, 98, or 95, go to "Setting Up a Network Port on Windows Me, 98, or 95" on page 32.
 - If you're running Windows NT, go to "Setting Up a Network Port on Windows NT" on page 33.

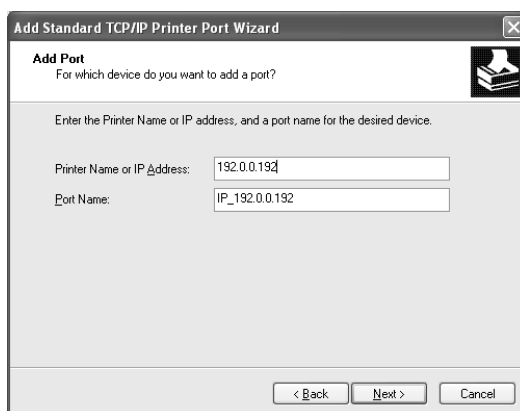
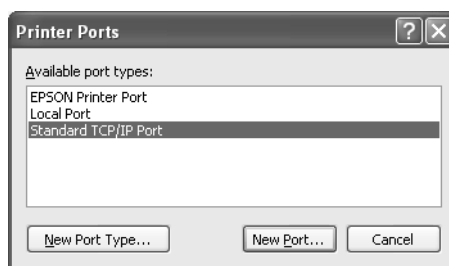
Setting Up a Network Port

To finish setting up the printer on the wireless network, you need to set up a network port on each computer that will use the printer. Follow the instructions for your operating system.

Setting Up a Network Port on Windows XP

Before you begin, run WP-Admin and note the IP address of your print server. Then follow these steps to set up a network port on a computer running Windows XP:

1. From the Start menu, click Control Panel.
2. Click Printers and Other Hardware.
3. Click Printers and Faxes.
4. Right-click the EPSON Stylus C80 Series printer icon, then click Properties.
5. On the Ports tab, select the EPSON Stylus C80 Series printer, and click Add Port. You see this window:
6. Select Standard TCP/IP Port and click New Port. You see the Add Standard TCP/IP Printer Port wizard.
7. Click Next.
8. In the Printer Name or IP Address box, enter the print server's IP address and click Next.
9. Follow the instructions on the screen to complete the wizard.
10. Click Close to close the Printer Ports window.
11. On the Properties window, click Apply.
12. To test the connection, select the General tab and click Print Test Page.



13. If the test page prints, click OK to close the Properties window.

If it fails to print, try the following:

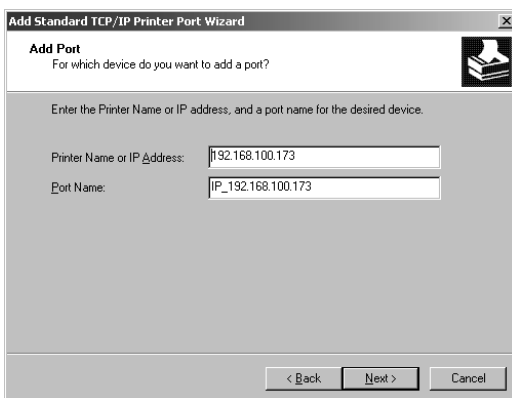
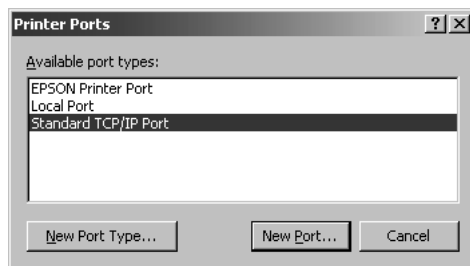
- Make sure that the printer and print server are connected and that both are on.
- Check WP-Admin to make sure you have a signal (see page 22).
- Make sure you've entered the correct IP address in step 8.
- Make sure you clicked Apply in step 11.

Now you're ready to start printing. For instructions, see *Printer Basics*.

Setting Up a Network Port on Windows 2000

Before you begin, run WP-Admin and note the IP address of your print server. Then follow these steps to set up a network port on a computer running Windows 2000:

1. From the Start menu, click Settings > Printers.
2. Right-click the EPSON Stylus C80 Series printer icon, then click Properties.
3. On the Port tab, click Add Port. You see this window:
4. Select Standard TCP/IP Port and click New Port. You see the Add Standard TCP/IP Port wizard.
5. Click Next.
6. In the Printer Name or IP Address box, enter the print server's IP address and click Next.
7. Follow the instructions on the screen to complete the wizard.
8. Click Close to close the Printer Ports window.
9. On the Properties window, click Apply.



10. To test the connection, select the **General** tab and click **Print Test Page**.

11. If the test page prints, click **OK** to close the Properties window.

If it fails to print, try the following:

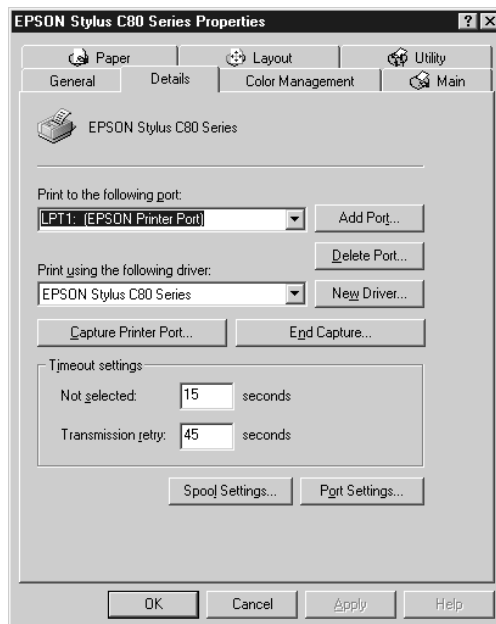
- Make sure that the printer and print server are connected and that both are on.
- Check WP-Admin to make sure you have a signal (see page 22).
- Make sure you've entered the correct IP address in step 6.
- Make sure you clicked **Apply** in step 9.

Now you're ready to start printing. For instructions, see *Printer Basics*.

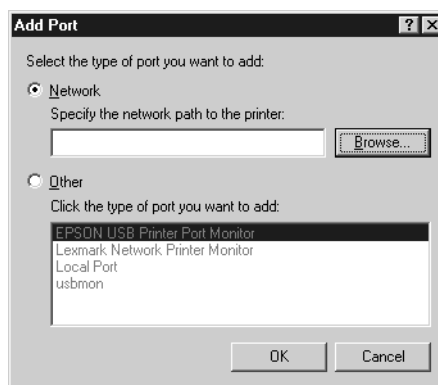
Setting Up a Network Port on Windows Me, 98, or 95

Before you begin, run WP-Admin and note the IP address of your print server. Then follow these steps to set up a network port:

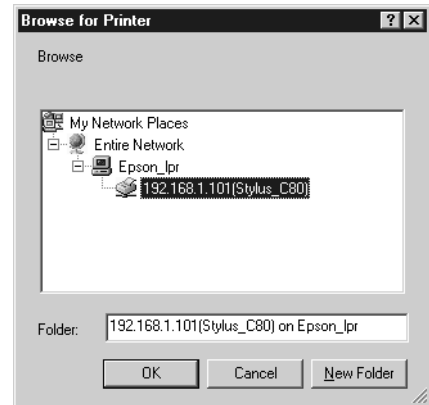
1. From the Start menu, click Settings > Printers.
2. Right-click the EPSON Stylus C80 Series printer icon, and then click Properties.
3. Click Add Port on the Details tab.



4. On the Add Port window, make sure Network is selected, then click Browse.



5. Expand the network path, as shown, and select the Stylus C80 printer icon. (Make sure the IP address matches the print server's IP address.)
6. Click OK, then click OK again.
7. Click **Apply** on the Details tab.
8. To test the connection, click the **General** tab and click **Print Test Page**. Wait for the page to print.
9. Click **Yes** if the test page prints, then click OK to close the Properties window.



If it fails to print, try the following:

- Make sure that the printer and print server are connected and that both are turned on.
- Check WP-Admin to make sure you have a signal (see page 22).
- Make sure you clicked **Apply** in step 7.

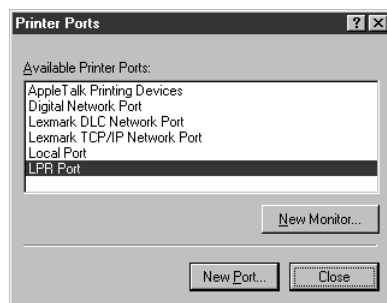
Now you're ready to print. For instructions, see *Printer Basics*.

Setting Up a Network Port on Windows NT

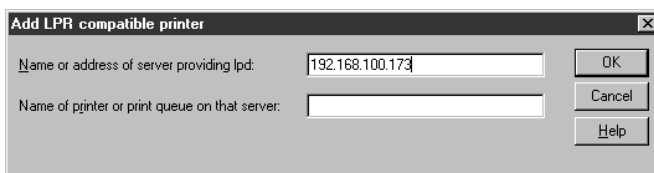
Make sure you have Microsoft TCP/IP Printing installed on your computer before you begin. Run WP-Admin and note the IP address and server name of your print server. Then follow these steps to set up a network port:

1. From the Start menu, click **Settings > Printers**.
2. Right-click the EPSON Stylus C80 Series printer icon and then click **Properties**.

3. On the Port tab, click Add Port. You see the Printer Ports window:
4. Select LPR Port and click New Port.



5. On the next window, enter the server's IP address in the Name or address of server providing lpd box, and the server name in the Name of printer or print queue on that server box. Then click OK.



6. Click Close to close the Printer Ports window.
7. Click OK to close the Properties window.
8. Right-click the EPSON Stylus C80 Series printer icon in the Printers window and click Properties.
9. To test the connection, select the General tab and click Print Test Page.
10. If the test page prints, click OK to close the Properties window.

If it fails to print, try the following:

- Make sure that the printer and print server are connected and that both are on.
- Check WP-Admin to make sure you have a signal (see page 22).
- Make sure you entered the correct IP address and server name in step 5.

Now you're ready to print. For instructions, see *Printer Basics*.

Setting Up Printing on a Macintosh

This section explains how to install the software and configure the print server from a Macintosh. Once the print server is configured, you can select the **Stylus C80 Series** printer icon in the Chooser of any Macintosh on your wireless network that has the printer driver installed.

Preparing for Installation

Follow the instructions beginning on page 7 to set up the printer, connect it to the print server, and test the connection. Then follow the steps in one of the sections below, depending on the type of adapter installed in your Macintosh.

If Your Macintosh Has an AirPort Wireless Adapter

Do the following if your Macintosh has an AirPort wireless adapter:

- *Make sure* that AirPort is enabled in the AppleTalk Control Panel. If your Macintosh and AirPort Base Station or access point are connected over an existing Ethernet network, select **Ethernet** in the AppleTalk Control Panel.
- *Make sure* that both AppleTalk and TCP/IP are enabled in your AirPort utility.
- To use the printer in infrastructure mode, select a working connection to a base station or access point from the AirPort Networks list.



Note the name of the AirPort Network. If you have a Windows computer on your wireless network, use this name as your computer's SSID (Service Set Identifier). For instructions on setting the SSID, see the documentation for the wireless adapter in your Windows computer.

- To use the printer in computer-to-computer (ad hoc) mode, create or join a computer-to-computer network. See your AirPort documentation for details.



Epson recommends that you use the print server with an AirPort Base Station or access point. With AirPort, your print server works more reliably in infrastructure mode than computer-to-computer (ad hoc) mode.

- If you want your AirPort network to be password protected, you need to change your password to a hexadecimal value. Follow the instructions beginning on page 46 to install and configure your software.

If Your Macintosh Has a Non-AirPort Wireless Adapter

Do the following if your Macintosh has a non-AirPort wireless adapter:

- Make sure your Macintosh computer's wireless mode is set correctly. Set it to Infrastructure if you are connecting through an access point, or 802.11b Ad Hoc if you are connecting without an access point. If your adapter does not include an 802.11b Ad Hoc option, set the wireless mode to Ad Hoc, Computer-to-Computer, or whatever mode your adapter uses to communicate without an access point. *Do not* select a pseudo ad hoc or proprietary ad hoc mode. See the documentation for your wireless adapter for details.
- If you're using infrastructure mode, make sure there is a link with good signal strength (greater than 50 percent) between the Macintosh and base station or access point. See your wireless adapter's documentation for details.
- If you're configuring the print server from a Macintosh with a non-AirPort wireless adapter, make sure WEP (Wired Equivalent Privacy) is disabled before you begin. See the documentation for your wireless adapter for instructions.

Installing and Setting Up On the First Macintosh

To set up printing on the wireless network, install the wireless configuration utility and configure the print server on your first Macintosh. You also need to install the EPSON Stylus C80 printer driver to print from this Macintosh.

Installing the Printer Driver

Follow these steps to install the printer driver:

1. Insert the printer CD-ROM in your drive.
2. Double-click the Printer Driver Installer folder in the EPSON window. (You may have to double-click the  EPSON icon on your desktop if the window doesn't open automatically.)

3. Double-click the  Stylus C80WN Driver Installer icon to start the installation program.
4. Click Continue, then click Install on the installer screen.
5. Follow the instructions on the screen to install the printer driver and restart your Macintosh.

Installing and Configuring the Print Server Software

1. Double-click the Install Utility folder, then double-click the  Utility Installer icon.

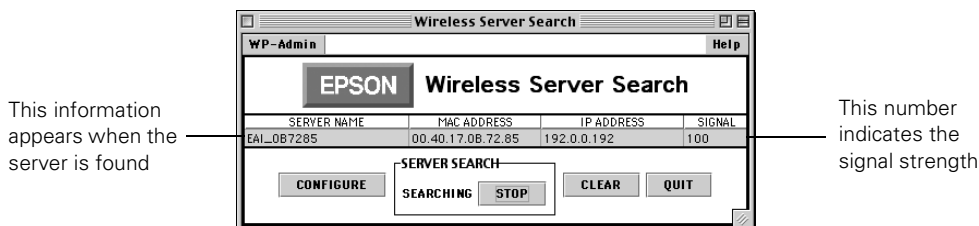


You may see a message that you have an older version of the Java Runtime Environment on your Macintosh. Click OK to install the newer version. When you're done installing the Java Runtime Environment, click Quit. Then double-click the  Utility Installer icon to restart the utility installation program.

2. Click Next on the Introduction screen.
3. Read the license agreement. Click Next to accept the agreement and continue.
4. Follow the instructions on the screen to install the WP-Admin utility. At the last screen, click Done. You see the Wireless Server Search window:



5. Click START. Wait until you see server information like the following (you should not have to wait more than 60 seconds):





If WP-Admin fails to pick up a signal from the print server, try holding down the print server's test button for five seconds to reset it. The lights go out, then both the green and yellow lights on the print server come on briefly. The yellow light remains on when your network has a connection to the print server.

If it still fails to pick up a signal, check the solutions beginning on page 42.

6. If WP-Admin picks up a signal from more than one print server, select the connection with the same MAC address as printed on the sticker on the back of your print server.
7. Check the signal to make sure you have a link to the print server. If you have a link, click **STOP**. Then click **CONFIGURE**.



If you see the message Wireless Communication Failed, click OK to close the message. Then click CONFIGURE again. If you continue to see this message, move the print server closer to your computer and access point, if you have one. Also, move it away from large metal objects or devices that interfere with radio signals.

8. When you see a message asking for a password, click OK (the default password is null, or blank). The print server automatically detects the settings for your wireless network. You see a screen similar to the one below:

Wireless Server Configuration

WP-Admin

EPSON Wireless Server Configuration

Server Name	EAI_0B7285	Serial Number	750213
Password	*****	Firmware Rev.	3.87H
IP Address	192.0.0.192	Workgroup/Domain	
Subnet Mask	0.0.0.0	Boot Method	AUTO
Gateway	0.0.0.0	RF Channel	11
MAC Address	00.40.17.0B.72.85	Data Rate	11 Mb
SSID	EPLAB	Wireless Mode	Infrastructure
WEP Key	Disabled	WEP Key Index	1
128Bit Key 1	*****	64Bit Key 1	*****
128Bit Key 2	*****	64Bit Key 2	*****
128Bit Key 3	*****	64Bit Key 3	*****
128Bit Key 4	*****	64Bit Key 4	*****

OK CANCEL



For descriptions of all the settings on the Wireless Server Configuration screen, see Appendix A.

9. Optionally, change the Server Name to something that is easy to remember, or enter a password to limit access to the Wireless Server Configuration screen.

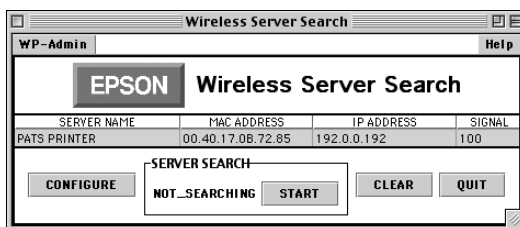


This password does not affect access to your AirPort network. To enable password protection on your network, see page 46.

You can enter up to 32 characters in the Server Name field, and up to 16 characters in the Password field.

10. Make any other changes you want and click OK. When you see the Wireless Server Search window again, click QUIT.

11. Open the Chooser from the Apple menu.



12. Click the C80 Series icon, then click the EPSON Stylus C80 printer port icon. Turn on background printing if you want, and close the Chooser.

You're ready to print. For instructions, see *Printer Basics*.

Now that you've installed the print server software, you can change the print server's configuration at any time. To start WP-Admin, do one of the following:

- Double-click the WP-Admin alias on your desktop, if you've created one.
- Double-click the EpsonNet folder on your hard drive and then double-click the  WP-Admin icon.

Setting Up Additional Macintosh Computers

Once the print server is configured on your wireless network, just install the EPSON Stylus C80 printer driver on each Macintosh that needs to use the printer. Make sure your Macintosh is set up to use the wireless network, as explained on page 35.

Follow these steps to install the printer driver:

1. Insert the printer CD-ROM in your drive.
2. Double-click the Printer Driver Installer folder in your EPSON window. (You may have to double-click the EPSON icon if the window doesn't open automatically.)
3. Double-click the  Stylus C80WN Driver Installer icon to start the installation program.
4. Click Continue, then click Install on the installer screen.
5. Follow the instructions on the screen to install the printer driver and restart your computer.
6. Open the Chooser from the Apple menu.
7. Click the C80 Series icon, then click the EPSON Stylus C80 printer port icon. Turn on background printing if you want. Then close the Chooser.

You're ready to print. See *Printer Basics* for instructions.

Solving Wireless Printing Problems

This chapter gives you information on solving problems with print server setup and wireless printing. If you have a problem with print quality or paper feeding, see *Printer Basics* for help.



If you need to clean or align the print head, follow the instructions in *Printer Basics* to run the appropriate utilities. These programs work on your wireless network the same as they do when the printer is connected directly to a computer.

If you can't print, follow these steps to diagnose the problem:

- First, check the lights on the printer. They let you know if an ink cartridge runs out or your paper is jammed. You may also see a message on your computer screen. See *Printer Basics* for more information.
- If the printer lights do not indicate a problem, try running a printer check. Turn off the printer and disconnect the print server. Hold down the  paper button, then press and release the  power button. After the printer test page prints, turn off the printer. See *Printer Basics* for more information.

If the printer test page doesn't print, contact EPSON as described on page 50.

- If the test page prints, test the connection between the printer and print server. Connect the print server as described on page 13. Turn on the printer, then press the test button on the print server and release it immediately, as described on page 15. The print server status sheet prints.
- If the print server status sheet doesn't print, try resetting the print server. Press the test button and hold it down until the green and yellow lights on the print server come on briefly (about five seconds). Then press the button again for one second to print the status sheet. If it still doesn't print, contact EPSON as described on page 50.

If the print server status sheet prints, but you still can't print through your wireless network, follow the suggestions in this chapter to solve the problem.

Problems and Solutions

Here are some troubleshooting tips if you are having trouble setting up your print server or printing over your wireless network.

When you start WP-Admin, you see a message that Javaw.exe was not found.

You must have the Java Runtime Environment installed on your computer to run WP-Admin. Uninstall the print server software, as described on page 48, then reinstall it as described in the instructions starting on page 20.

You're having trouble connecting to the print server.

- Check the lights on your print server. The yellow light remains on when your network has a connection to the print server, and the green light flashes when data is transmitted to the print server. If the yellow light is on, make sure you have a connection between your computer and access point or base station, if you have one.
- Make sure your computer's wireless adapter is installed and configured correctly. See the instructions that came with the adapter.
- If you have an access point, make sure that it is turned on and configured correctly. You need to confirm the connection between your computer and access point before you can connect to the print server. Try resetting the access point if you're having a problem establishing a connection. See the instructions that came with your access point for more information.
- If you're using AirPort, make sure that AirPort is enabled in the AppleTalk Control Panel. Also, make sure that AppleTalk and TCP/IP are enabled in your AirPort utility. Finally, make sure that you are using AirPort version 1.3 or later. (If you have an earlier version of AirPort, you can download an upgrade to version 1.3 from Apple's web site).
- If you're using an AirPort Base Station, make sure that you've selected a working connection to your base station from the AirPort Networks list. If you're using AirPort in computer-to-computer (ad hoc) mode, create or join a computer-to-computer network.

- Hold down the test button on the back of the print server for at least five seconds to reset the print server to its factory defaults. The print server's green and yellow lights come on briefly when the print server resets.



If you've already configured the print server, you need to run WP-Admin again to reconfigure it.

- Try restarting your computer.
- Make sure your computer, print server, and access point (if you have one) are within range (up to 120 feet without obstructions). If you are on a different floor or several rooms away from the print server, try moving your equipment closer together.
- Move the print server away from large metal objects and other devices that interfere with radio signals, such as cordless phones and microwave ovens.
- Make sure the wireless mode for your computer is set to Infrastructure if you are connecting through an access point, or 802.11b Ad Hoc if you are connecting without an access point. (Your wireless adapter may use different terms. Check the documentation for your adapter.) Never select a pseudo ad hoc or proprietary ad hoc mode.
- Make sure your print server's IP address is on the same network segment as your computer's IP address. (See "IP Address" on page 52 for instructions on accessing your computer's IP address.) For example, if you have two computers on your network whose IP addresses are 192.189.207.3 and 192.189.207.4, the print server's IP address should begin with 192.189.207. The last part of the address can be any number between 1 and 254 except 3 or 4. To check the print server's IP address, press the test button on the back of the print server for one second to print a status sheet.



It's best to change your print server's IP address instead of the computer's. Your computer's IP address is used to configure the computer for a host of functions, from Internet access to file sharing. If you change this IP address, you might have to reconfigure your computer for these functions.

- If you've set the Boot Method in WP-Admin to **AUTO** or **DHCP** and you've turned the print server off and then on again, DHCP may have assigned another IP address to the print server. To check the IP address, press the test button on the print server for one second to print a status sheet. Then make sure the IP address for your computer is on the same network segment. See "IP Address" on page 52 for instructions on accessing the computer's IP address. (You can avoid this problem by leaving the print server on, or by setting the Boot Method to **STATIC**. See page 25 for details.)
- If you are using WEP encryption on your wireless network, disable it on your computer before you configure the print server. Then enable WEP on the print server (see page 26). When you're done configuring the print server, enable WEP on your computer again.



If your access point only allows WEP-enabled clients to connect to it, you may have to set your computer's wireless mode to 802.11b Ad Hoc (or your adapter's wireless ad hoc mode) before you configure the print server. If your computer's wireless mode was originally set to Infrastructure, you can set it back to Infrastructure when you're done.

You see the message "Wireless Communication Failed" when you click CONFIGURE on the Wireless Server Search window.

- Click OK to close the message, then click **CONFIGURE** again on the Wireless Server Search window. (If WP-Admin is picking up a signal from more than one print server, select the correct print server first.)
- If you continue to see this message, move the print server closer to your computer and access point, if you have one. Also, move the print server away from large metal objects and other devices that interfere with radio signals, such as cordless phones and microwave ovens.

You are getting a wireless signal, but you are not able to print.

- If you're running Windows, make sure you set up your network port correctly. See the instructions beginning on page 29.
- Make sure your wireless link has adequate signal strength—at least 50 percent. If the signal is weak, try moving the print server and printer to a different location, away from large metal objects and other devices that interfere with radio signals, such as cordless phones and microwave ovens.

- Make sure you're connecting to the correct print server. Check the MAC address printed on the back of the print server against the MAC address that appears in the WP-Admin Wireless Server Search window.
- Check the printer's lights to see if there is a problem with the printer. See *Printer Basics* for details.

You are using AirPort in computer-to-computer (ad hoc) mode, and you are unable to see the printer port in the Chooser.

If this problem happens frequently, Epson recommends that you use the print server with an access point or AirPort Base Station. With AirPort, your print server works more reliably in infrastructure mode.

Printing is too slow.

- Try moving the print server away from large metal objects and other devices that interfere with radio signals, such as cordless phones, microwave ovens or Bluetooth devices.
- Move your computer, print server, and access point (if you have one) closer to each other.
- Change the RF Channel on your computer (if you're using ad hoc mode) or your access point (if you're using infrastructure mode). To avoid interference from other wireless networks in the vicinity, choose a setting that is at least three channels higher or lower than that for any other wireless network (for example, if another network is set to channel 7, choose channel 10 or higher, or channel 4 or lower). Then change the channel on the computers on your wireless network. Make sure you use the same channel for your access point and computers.
- Network traffic can affect print performance. Adding another access point or router may improve performance.

For other solutions, see *Printer Basics*.

You see a communication error message when you try to print.

You may see an error message if another computer on your network is trying to print at the same time. The green light on the print server flashes when data is transmitted to the print server. Wait until the first print job is printed. Your job will print when it reaches the top of the print queue.

You want to use a password on your AirPort network.

Because AirPort uses passwords that do not follow the standard for WEP encryption, you need to change your network password to a hexadecimal value.

Follow these steps:

1. Create a computer-to-computer network without password protection on the Macintosh computer that you use to configure the print server.
2. Follow the steps beginning on page 36 to install the printer driver and WP-Admin, and to establish a connection to the print server.
3. Make the following selections on the Wireless Server Configuration screen:
 - Select 64BIT in the WEP key box.
 - In the 64Bit Key 1 box, enter a hexadecimal value consisting of 10 digits, or a combination of digits and letters. Digits can be from 0 to 9, and letters must be between A and F. For example: 62B91F2A98.
 - If you have an AirPort Base Station, enter a name for your network in the SSID box. Then change the Wireless Mode to Infrastructure.
4. Make any other changes that you want to the Wireless Server Configuration screen and click OK. When you see the Wireless Server Search window, click QUIT.
5. If you want to use the printer in computer-to-computer (ad hoc) mode, go to step 6.

If you have an AirPort Base Station, do the following:

- For Network Name, configure the base station to use the name that you entered in the SSID box on the Wireless Server Configuration screen.
- For Network Password, select the hexadecimal value that you entered in the 64Bit Key 1 box, preceded by the number zero (0) and lowercase letter x. For example: 0x62B91F2A98. Then go to step 7.

6. To use the printer in computer-to-computer mode, do the following:
 - Create a computer-to-computer network.
 - When prompted, enter as your password the hexadecimal value you entered in the 64Bit Key 1 box on the Wireless Server Configuration screen. This value must be preceded by the number zero (0) and lowercase letter x. For example: 0x62B91F2A98.
7. Open the Chooser from the Apple menu. Select the **C80 Series** icon, then click the **EPSON Stylus C80 printer port** icon. Turn on background printing if you want, and close the Chooser.
8. For each Macintosh on your network, either select a connection to your base station from the AirPort Networks list, or join the computer-to-computer network that your print server is on.
9. When prompted, enter the network password that you created in step 5 (if you're using a base station) or step 6 (if you're using the printer in computer-to-computer mode).
10. Follow the instructions beginning on page 40 to set up printing on your other Macintosh computers.

Uninstalling the Software

You may need to uninstall and then reinstall the software for your printer. For example, this might be necessary if you upgrade your computer operating system.

Windows

Follow these steps to uninstall the WP-Admin utility and EpsonNet Direct Print:

1. Click **Start > Settings > Control Panel** (for Windows XP, click **Start > Control Panel**).
2. Double-click **Add/Remove Programs** (or **Add or Remove Programs**).
3. Select **EpsonNet 802.11b Wireless Print Server** and click **Add/Remove** (or **Change/Remove**). You see the InstallShield Wizard Setup Maintenance program.
4. Select **Remove** and click **Next**. Then follow the on-screen instructions.
5. When you see the **Maintenance Complete** message, click **Finish**.
6. If you've installed **EpsonNet Direct Print**, select it on the **Add/Remove programs** windows and click **Add/Remove**. Then follow the on-screen instructions.
7. When uninstall is complete, click **OK**. Then click **OK** again when you see the confirmation message.

Follow these steps to uninstall the EPSON Stylus C80 printer driver:

1. On your Windows Start menu, click **Programs (All Programs for Windows XP)**.
2. Click **Epson** (or **EPSON Printers**), then **EPSON Printer Software Uninstall**.
3. Click **OK** on the next screen.
4. Follow the instructions on the screen to uninstall the printer driver.
5. Restart your computer when you're done.

Macintosh

Follow these steps to uninstall the WP-Admin utility:

1. Drag the EpsonNet folder on your hard drive to the trash.
2. If you've created a desktop alias for WP-Admin, drag it to the trash.
3. Restart your Macintosh.

Follow these steps to uninstall the EPSON Stylus C80 printer driver:

1. Insert the printer CD-ROM in your drive.
2. Double-click the Printer Driver Installer folder in the EPSON window. (You may have to double-click the  EPSON icon if the window doesn't open automatically.)
3. Double-click the Stylus C80WN Driver Installer icon to start the installation program.
4. Click Continue on the next screen.
5. On the installer screen, click the arrow in the Easy Install list at the top and select Uninstall. Then click the Uninstall button at the bottom and follow the instructions on the screen.
6. When you're finished, click Quit.

Where To Get Help

If you need help with your printer or print server, see the contact information below. If you need help using non-EPSON software with your printer, see the documentation for that software for technical support information.

EPSON provides technical assistance 24 hours a day through the electronic support services and automated telephone services listed below:

Service	Access
World Wide Web	From the Internet, you can reach EPSON Support at http://support.epson.com . At this site, you can download drivers and other files, look at product documentation, access troubleshooting information, and receive technical advice through e-mail.
Automated Telephone Services	A variety of automated help services are available 24 hours a day, seven days a week. To use these services, you must have a touch tone telephone and call (800) 922-8911 . Your SoundAdvice SM Express Code is 71000. Use this code to quickly select the EPSON Stylus C80WN in SoundAdvice.

To speak to a technical support representative, dial:

- U.S.: **(562) 276-7525**, 6 AM to 8 PM, Pacific Time, Monday through Friday and 7 AM to 4 PM, Saturday.
- Canada: **(905) 709-2567**, 6 AM to 6 PM, Pacific Time, Monday through Friday.

Toll or long distance charges may apply. Before you call, please have the following information ready:

- Product name (EPSON Stylus C80WN)
- Printer serial number (located on the back of the printer)
- Proof of purchase (such as a store receipt) and date of purchase
- Computer configuration
- Description of the problem

You can purchase ink cartridges, paper, manuals, and accessories from EPSON at (800) 873-7766, or visit the EPSON StoreSM at www.epsonstore.com (U.S. sales only). In Canada, please call (800) 807-7766 for dealer referral.

Appendix A:

Configuration Settings

The Wireless Server Configuration screen includes both fields that display information and fields that allow you to modify print server settings. Since most of the settings are configured automatically based on your existing network, you don't need to change these settings for the typical wireless network. Some settings, such as the Server Name or Password, you may want to change for convenience or security.

If you contact EPSON for technical support, you need to provide configuration information such as the serial number and firmware revision.

Following are definitions of the configuration settings:

Server Name

Name that identifies the print server (and its printer) on your wireless network. The default is EAI_XXXXXX (where XXXXXX are the last six digits of the MAC/Ethernet address). Choose any name that makes it easier for users to identify the printer (for example, Admissions Printer). You can enter from one to 32 characters in this field. Make sure you follow the naming practices for your organization.

Serial Number

Unique number that identifies each EpsonNet 802.11b Wireless Print Server that is produced. This number is set during manufacture and cannot be changed.

Password

Used to restrict access to the Wireless Server Configuration screen. The default password is null (blank). The maximum number of characters you can use in this field is 16.

Firmware Revision

Indicates the version of the software embedded in the print server. This field cannot be changed.

IP Address

Address used to identify a node on a network supporting the TCP/IP protocol. The format for IP (Internet Protocol) addresses is a set of four bytes or segments, separated by periods. Each byte can have any value from zero (0) to 254. If you need to enter an address, make sure it conforms to the addressing scheme for your network and that it does not conflict with the IP address for any other node on your network. The print server's default IP address is 192.0.0.192.

To view your computer's IP address, do the following:

Windows XP/2000/NT:

1. From the Windows Start menu, click **Run**.
2. Enter `cmd` in the text box and click **OK**. You see a DOS window.
3. At the prompt, type `ipconfig` and press **Enter**. You see your computer's IP configuration file, which includes the IP address.
4. At the prompt, type `exit` to exit the DOS window.

Windows Me/98/95:

1. From the Windows Start menu, click **Run**.
2. Enter `winipecfg` in the text box and click **OK**. You see the IP Configuration window.
3. Select your wireless adapter from the drop-down list. You see IP configuration information, including the IP address.
4. Click **OK** to close the IP Configuration window.

WorkGroup/Domain

Used on networks that support NetBIOS or NetBEUI. WP-Admin detects this setting automatically, so you should not have to change it. The print server must be on the same workgroup or domain as all computers using the printer.

Subnet Mask

Set the subnet mask of your print server to the correct setting for your network. This setting will be 255.255.255.0 for most networks in the home or small office.

Boot Method

Method the print server uses to obtain an IP address. For most networks, change this setting to **STATIC**, which prevents the IP address from changing when you unplug the print server and plug it in again later. **AUTO** attempts to detect your IP address through DHCP, BOOTP, and RARP. If unable to detect an IP address automatically, it uses the default IP address: 192.0.0.192. If you leave this setting on **AUTO**, you may have to repeat the steps to set your computer up to use the printer each time the IP address for your print server changes.

Gateway (or Router)

Use this setting only if you are using the print server in a large organization that has subnets for different departments.

RF Channel

Defines the radio frequency channel that the print server uses to communicate. In most cases, the print server will automatically configure the RF channel. This value must match for all nodes on a network. If you find that printing is too slow, you may be able to improve performance by changing the RF channel on your computer(s) and access point, if you have one. To avoid interference from other networks, choose a setting at least three channels higher or lower than that for any nearby wireless network (for example, if another network is set to channel 7, choose channel 10 or higher, or channel 4 or lower).

MAC Address

Defines the Ethernet address of the print server. The MAC (Medium Access Control) address is set during manufacture and cannot be changed. You can find it on the sticker on the back of the print server.

Data Rate

Indicates the throughput speed in Mbps of the wireless Ethernet connection (1, 2, 5.5, or 11). The print server will automatically negotiate to the highest possible rate.

SSID

Name that identifies your wireless network. When you configure the print server in WP-Admin, it automatically detects the SSID (Service Set Identifier) for the wireless network. The SSID must match for all nodes on the network for them to communicate. The maximum number of characters that you can use in this field is 32.

Wireless Mode

Mode used by computers on a wireless network to communicate with the print server. WP-Admin detects this setting automatically, based on the mode set in your wireless adapter configuration software. To communicate, all computers must be set to the same wireless mode (or its equivalent, depending on your wireless adapter) as the print server.

- **Infrastructure**—Used when computers on the wireless network communicate with the print server through an access point or base station.
- **Ad Hoc (802.11b)**—Used when computers on the wireless network communicate with the print server directly, without using an access point or base station.
- **Pseudo Ad-Hoc**—Used for testing. Don't select this mode in your wireless adapter configuration software or on the Wireless Server Configuration screen.
- **Auto**—Default factory setting. Auto mode attempts connection with each of the other methods in turn. This mode enables the print server to detect all your other wireless network settings (for example, IP address, SSID, workgroup, etc.). If you move your print server to a different wireless network, you must press the test button on the back of the print server for at least five seconds to reset it to its factory defaults (including Auto mode). This enables the print server to detect the settings for the new network.

WEP Key

Disables or enables WEP (Wired Equivalent Privacy), which provides a level of security for your network. To communicate, all nodes on your network must be WEP-enabled and must use the same WEP key. See the documentation for your wireless adapter or access point for more information about WEP. If you have an AirPort network, see page 46.

WEP Key Index

Lets you to choose between four WEP keys for either 64-bit or 128-bit WEP. For details about WEP, see the documentation for your wireless adapter or access point.

128 Bit / 64 Bit WEP Key

Fields for entering the WEP key(s) used on your network. To communicate, all nodes on the network must be set to the same WEP key. See the documentation for your wireless adapter or access point for more information about WEP.

Appendix B:

Specifications and Notices

Print Server Specifications

Printer Connection

Parallel (IEEE-1284)

Serial (9 pin; factory diagnostics only)

Operating Systems

Windows 95/98/Me/NT 4/2000/XP

NetWare (2 through 5 with NDS)

Mac OS 7 through 9.x

Dimensions

Width: 6 inches (15.2 cm)

Depth: 1.25 inches (3.2 cm)

Height: 4.25 inches (10.8 cm)

Electrical

Input Power: 1 A @ 5 VDC

External Power Supply: 115 VAC

Wireless Communication

Variable Data Rates: 11, 5.5, 2, 1 Mbps

Frequency Band: 2.4 GHz ISM Band

Range: up to 120 ft (36.6 m) indoors or 300 ft (91.4 m) outdoors

Wired Equivalent Privacy: 128-bit, 64-bit (compatible with 40-bit), none

Sensitivity (typ, AWGN, 8E-2 PER):

-91 dBm at 1 Mbps, -88 dBm at 2 Mbps,

-87 dBm at 5.5 Mbps, -84dBm at

11 Mbps

Protocols

TCP/IP (lpd or raw TCP port)

IPP (Internet Printing Protocol)

IPX/SPX

Direct Mode IPX/IP

NetBEUI

NetBIOS/IP

AppleTalk

Management

WP-Admin: utility for easy configuration from Windows or Macintosh

WebXAdmin: web-browser utility

XAdmin32: utility for NetWare and advanced configuration

Print server console accessible via serial port, TELNET or NetWare

NetWare PCONSOLE, PRINTCON, PRINTDEF, NWADMIN

Simple Network Management Protocol (SNMP) MIB I and II; IP or IPX

Firmware downloads via NetWare or TCP/IP (master mode tftp, slave mode TFTP, or BOOTP); multiple print servers may be downloaded simultaneously

Test page and factory reset switch

Epson America, Inc. Limited Warranty

What Is Covered: Epson America, Inc. (“Epson”) warrants to the first retail purchaser that the EPSON printer and included printer server (the “Product”) covered by this limited warranty statement, if purchased and used in the United States or Canada, conform to the manufacturer’s specifications and will be free from defects in workmanship and materials for a period of one (1) year from the date of original purchase. Epson also warrants that the consumable ink cartridges enclosed with the printer will perform to the manufacturer’s specified usage, which usage may expire before the expiration of the limited warranty for the EPSON product. For warranty service, you must provide proof of the date of original purchase.

What Epson Will Do To Correct Problems: Should your EPSON product prove defective during the warranty period, please call the EPSON ConnectionSM at (562) 276-7525 (U.S.) or (905) 709-2567 (Canada) for warranty instructions and return authorization. An Epson service technician will provide telephone diagnostic service to determine whether the product requires service. If service is needed during the warranty period, Epson will, at its option, exchange or repair the unit without charge for parts or labor. If Epson authorizes an exchange for the defective product, Epson will ship a replacement product to you, freight prepaid. You are responsible for securely packaging the defective product and returning it to Epson within five (5) working days of receipt of the replacement unit. Epson requires a debit or a credit card number to secure the cost of the replacement product in the event that you fail to return the defective one. If your product is being repaired, Epson will direct you to send your product to Epson or its authorized service center. The product will be fixed and sent back to you. You are responsible for packing the product and for shipping costs to and from the Epson authorized service center. When warranty service involves the exchange of the product or of a part, the item replaced becomes Epson property. The exchanged product or part may be new or refurbished to the Epson standard of quality. Epson’s liability for replacement of the covered product will not exceed the original retail selling price of the covered product. Exchange products and parts assume the remaining warranty period of your original product covered by this limited warranty.

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In Canada, warranties include both warranties and conditions.

Some jurisdictions do not allow limitations on how long an implied warranty lasts, and some jurisdictions do not allow the exclusion or limitation of incidental or consequential damages, so the above limitations and exclusions may not apply to you. This warranty gives you specific legal rights and you may have other rights which vary from jurisdiction to jurisdiction.

Epson America, Inc. ● P.O. Box 93012 ● Long Beach, CA 90809-3012

FCC Compliance Statement

For United States Users

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 television reception. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause interference to radio and 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 radiated output power of the print server is far below the FCC radio frequency exposure limits. Nevertheless, the print server shall be used in such a manner that the potential for human contact during normal operation is minimized.

WARNING

The connection of a non-shielded equipment interface cable to this equipment will invalidate the FCC Certification of this device and may cause interference levels which exceed the limits established by the FCC for this equipment. It is the responsibility of the user to obtain and use a shielded equipment interface cable with this device. If this equipment has more than one interface connector, do not leave cables connected to unused interfaces. Changes or modifications not expressly approved by the manufacturer could void the user's authority to operate the equipment.

For Canadian Users

This Class B digital apparatus complies with Canadian ICES-003.

Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada.

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