

Epson America, Inc.

Stylus COLOR 900N

User's Guide

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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.

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 meets all requirements of the Canadian Interference-Causing Equipment Regulations.

Cet appareil numérique de la classe B respecte toutes les exigences du Règlement sur le matériel brouilleur du Canada.

Contents

INTRODUCTION	1
How to Use Your Documentation	2
Warnings, Cautions, Notes, and Tips	3
Windows/PC System Requirements	4
Macintosh System Requirements	5
ENERGY STAR Compliance	6
Year 2000 Ready	6
Printer Parts	6
About Your Software	7
Important Safety Instructions	8
Ink Cartridge Safety Instructions	9
SETTING UP YOUR PRINTER	11
Unpack the Printer	11
Attach the Paper Support	12
Install the Ink Cartridges	13
Load Paper	16
Connect the Printer to Your Network	17
Printing a Status Sheet	17
CONFIGURING THE PRINTER FOR THE NETWORK	19
Install the Network Software	21
Installing EPSON Net!2	21
Installing Status Monitor 2	23
Configuring for NetWare	26
Using NwAdmin to Set Up Your Printer	26
Using EPSON Net!2 to Configure the Card in Print Server Mode	33
Configuring for TCP/IP	39

Configuring for AppleTalk	44
Configuring for NetBEUI	46

INSTALLING THE PRINTER DRIVER ON THE WORKSTATIONS 49

Installing the Printer Driver	49
Installing in Windows 98, Windows 95, or Windows NT 4.0	50
Installing in Windows 3.1x	51
Installing on a Macintosh	52
Printing a Test Page	53

INSTALLING AND USING YOUR ELECTRONIC MANUAL 55

Installing the Manual	55
Installing Acrobat Reader	56
Opening Your Electronic Manual	56
Navigating an Electronic Manual	57

BASIC PRINTING 59

Printing with Windows	60
Printing with a Macintosh	64
Using Custom Project Types	67
Using the Advanced Dialog Box	70
Using Special Papers	73
EPSON Photo Paper	73
Envelopes	75
Selecting the Correct Media Type	76

MAINTAINING YOUR PRINTER 77

Cleaning the Print Head	77
Using the Head Cleaning Utility	78
Using the Control Panel	79
Examining the Nozzle Check Pattern	80

Replacing an Ink Cartridge	80
Removing and Installing Ink Cartridges	81
Replacing an Outdated Ink Cartridge	83
Aligning the Print Head	85
Cleaning the Printer	86
Transporting the Printer	87

PROBLEM SOLVING 89

Diagnosing Printer Problems	89
Checking the Control Panel Lights	89
Running a Printer Check	91
Problems and Solutions	92
Problems Setting Up the Printer or Installing Its Software	92
Problems Getting Good Print Quality	93
Uninstalling Printer Software	97
Uninstalling Your Printer Driver	97
Uninstalling EPSON Status Monitor 2	99
Uninstalling EPSON Net!2	100
Where To Get Help	100

INSTALLING SOFTWARE FROM DISKETTES 103

Creating the Software Diskettes	103
Using the Disk Creation Utility	103
Copying Macintosh Files	106
Ordering Printer Software Diskettes	106
Installing EPSON Net!2	107
Installing EPSON Net!2 in Windows	107
Installing EPSON Net!2 on a Macintosh	108
Installing Status Monitor 2	108

Installing the Printer Driver in Windows	110
Installing the Printer Driver in Macintosh	111
INDEX	113

Introduction

Your EPSON Stylus® COLOR 900N Professional Series printer/print server is the ideal output device for business graphics, digital photographs, and more. You can print anything from reports and resumes to photos and greeting cards with fabulous results.

The printer comes with these features:

- Resolutions up to 1440 by 720 dpi, even on plain paper
- Smallest ink droplets available (3 picoliters) for finest detail and smoothest gradations
- EPSON's unique variable micro droplet technology for superior image quality
- Integrated Ethernet card for complete network connectivity
- Flexible resource sharing for multiple types of networks and operating systems
- Four-color printing for photo quality color and sharp black text on plain paper or a variety of special media
- Great results on any paper size, including letter, legal, envelope, card, and panoramic paper
- High durability

Warnings, Cautions, Notes, and Tips

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.



Tips contain additional hints for better printing.

Windows/PC System Requirements

To use your printer and its software with a PC, your system should have:

- An IBM® compatible PC with at least a 386/25 (for Windows 3.1x), 486/25 MHz (for Windows 95 or Windows NT® 4.0), or 486/66 MHz (for Windows 98) processor
- DOS, Microsoft® Windows 3.1, Windows 95, Windows 98, or Windows NT 4.0
- At least 16MB of RAM (32MB recommended for Windows 95 or 98, or 64MB for Windows NT 4.0)
- At least 50MB of free hard disk space (100MB recommended)
- VGA, Super VGA, or better display adapter and monitor
- Double-speed (2x) CD-ROM drive (quad [4x] or faster recommended) for installing the printer software
- Ethernet network connection
- A twisted-pair (10BaseT or 100BaseTX) cable to connect the printer's Ethernet card to your network



For information on OS/2® and UNIX®, see your *Administrator's Manual*.

Macintosh System Requirements

To use your printer and its software with a Macintosh, your system should have:

- One of the following Macintosh models:
 - LC475, LC575, LC630
 - Macintosh Quadra® series
 - Macintosh Centris® series
 - PowerBook® series (190, 520, 540, 550, or later)
 - PowerBook Duo® 280, 2300c/100
 - Performa® 475, 575, 588, 630, 5210 or later
 - Power Macintosh® series
 - iMac™ series
- System 7.5.1 or later (7.6 or later recommended), or iMac with System 8.1 or later
- At least 16MB of available RAM (32MB recommended)
- At least 50MB of free hard disk space (100MB recommended)
- RGB display or better
- Double-speed (2x) CD-ROM drive (quad [4x] or faster recommended) for installing the printer software
- Network connection to Ethernet
- A twisted-pair (10BaseT or 100BaseTX) cable to connect the printer's Ethernet card to your network

ENERGY STAR Compliance

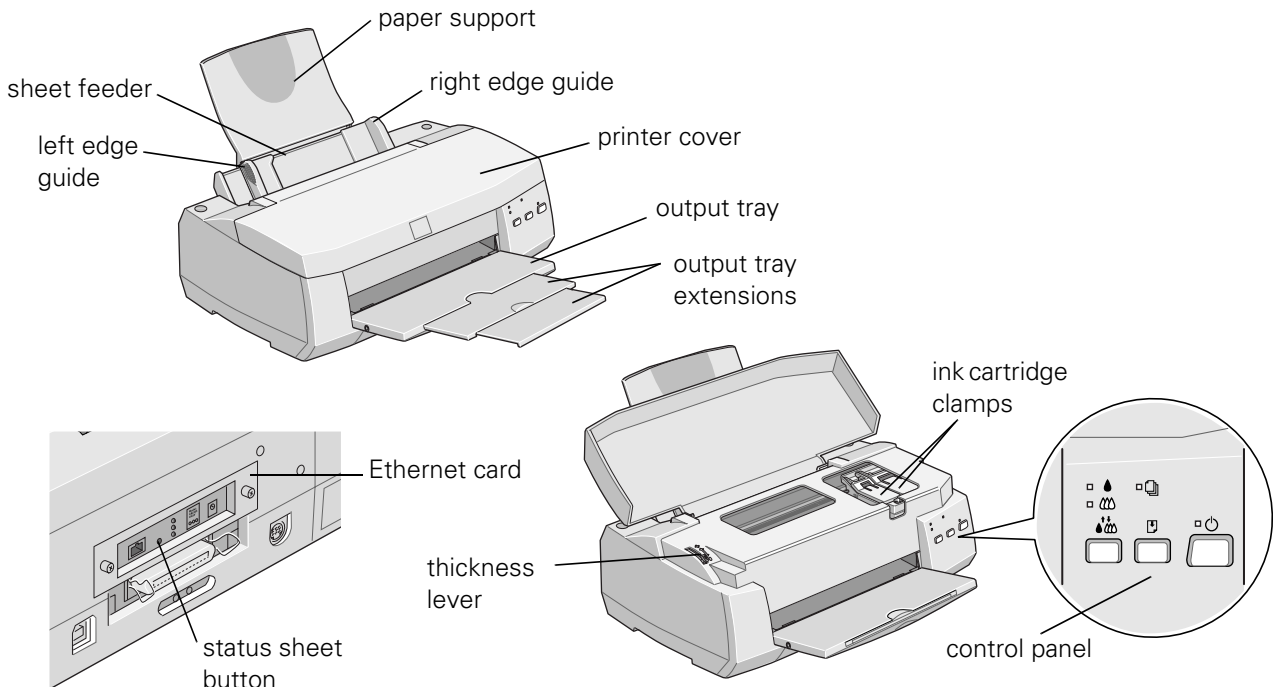


As an ENERGY STAR Partner, EPSON has determined that this product meets the ENERGY STAR guidelines for energy efficiency. The EPA ENERGY STAR office equipment program is a voluntary partnership with the computer and office equipment industry to promote the introduction of energy-efficient personal computers, monitors, printers, fax machines, and copiers in an effort to reduce air pollution caused by power generation.

Year 2000 Ready

Your EPSON printer is Year 2000 Ready. However, be sure the other parts of your network and computer systems are also ready for the year 2000.

Printer Parts





About Your Software

The printer software CD-ROM includes all the software you need for configuring your printer and printing:


- The EPSON Net!2 utility (for Windows 98, Windows 95, Windows NT 4.0, and Macintosh) allows you to configure your printer for protocols including Novell® NetWare®, TCP/IP, and AppleTalk®.
- EPSON Status Monitor 2 for Windows allows you to monitor your printer over the network and use TCP/IP for printing in Windows 98/Windows 95 peer-to-peer networks.
- Your printer driver (for Windows and Macintosh) runs your printer and lets you control how your documents look.
- The EPSON Driver Disk Creation utility lets you create diskettes for systems that don't have CD-ROM drives.

Important Safety Instructions

Before using your printer, read the following safety instructions to make sure you use the printer safely and effectively:

- Turn off and unplug the printer before cleaning. Clean with a damp cloth only. Do not spill liquid on the printer.



Always turn the printer off using the  power button. Don't switch off the power strip, or unplug the printer until the power light is off.

- Do not place the printer on an unstable surface or near a radiator or heating vent or direct sunlight.
- Do not block or cover the openings in the printer's case or insert objects through the slots.
- Use only the type of power source indicated on the printer's label.
- Connect all equipment to properly grounded power outlets. Avoid using outlets on the same circuit as photocopiers or air control systems that regularly switch on and off.
- Place the printer near a wall outlet where the plug can be easily unplugged.




Placez l'imprimante près d'une prise de contact où la fiche peut être débranchée facilement.

- Do not let the power cord become damaged or frayed.
- If you use an extension cord with the printer, make sure the total ampere rating of the devices plugged into the extension cord does not exceed the cord's ampere rating. Also, make sure the total ampere rating of all devices plugged into the wall outlet does not exceed the wall outlet's ampere rating.
- Except as specifically explained in this manual, do not attempt to service the printer yourself.

- Unplug the printer and refer servicing to qualified service personnel under the following conditions:

If the power cord or plug is damaged; if liquid has entered the printer; if the printer has been dropped or the case damaged; if the printer does not operate normally or exhibits a distinct change in performance. Adjust only those controls that are covered by the operating instructions.

Ink Cartridge Safety Instructions

- Do not put your hand inside the printer or touch the cartridge during printing.
- Under normal circumstances, ink will not come out of the cartridge. If it does get on your skin, wash it off with soap and water. If it gets in your eyes, flush them immediately with water.
- Keep ink cartridges out of the reach of children.
- Do not dismantle the ink cartridges or try to refill them. This could result in damage to the print head.
- Once you install an ink cartridge, do not open the clamp or remove the cartridge except to replace it with a new one. The cartridge may become unusable otherwise.
- Install the ink cartridge immediately after you remove it from its foil package. Leaving the cartridge unpacked for a long time before use may result in reduced print quality.
- Do not use an ink cartridge beyond the date printed on the cartridge package. For best results, use up the ink cartridges within six months of installing them.
- Do not shake an ink cartridge; this can cause leakage.
- Always turn the printer off using the  power button. When you press this button, the  power light flashes briefly then goes out. Do not unplug the printer or turn off the power to the printer until the  power light is off.
- Before transporting the printer, make sure the print head is capped in the far right position and the ink cartridges are in place.

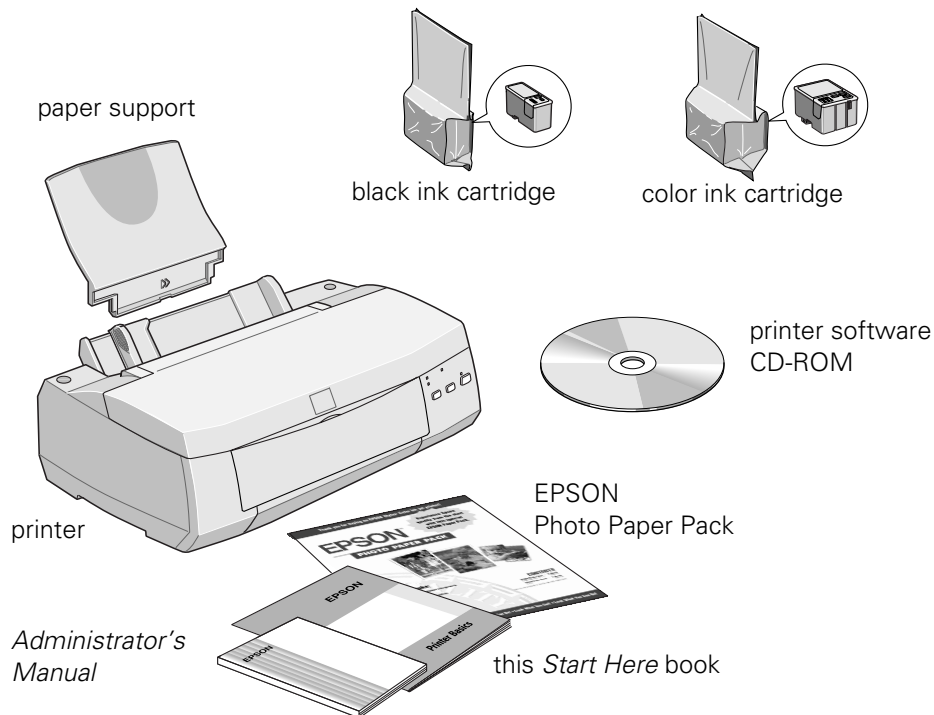
Setting Up Your Printer

This chapter describes how to set up your printer by doing the following:

- Unpack the printer
- Attach the paper support
- Install the ink cartridges
- Load paper
- Connect the printer to your network

Unpack the Printer

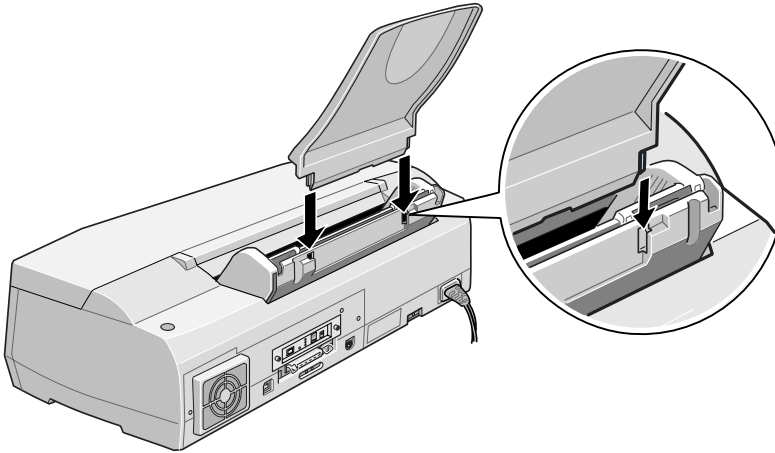
Remove any packing material from the printer as described on the unpacking sheet in the printer box. Then make sure you have these items:



You'll also need a network cable to connect your printer.

Attach the Paper Support

Insert the paper support into the slots at the back of the printer's sheet feeder.




Put the printer near an available grounded outlet, but avoid areas:

- With high temperature or humidity
- In direct sunlight or dusty conditions
- Near sources of heat or electromagnetic interference, such as loudspeakers or cordless telephone base units



Also be sure to check safety requirements and follow all the safety instructions in the Introduction.

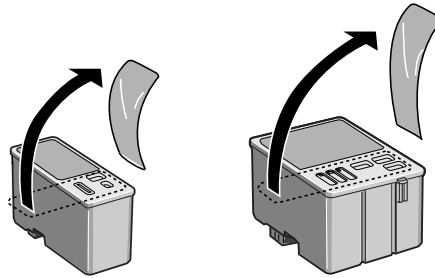
Install the Ink Cartridges

1. Make sure the printer is turned off (the  power button should be up). Then plug the printer's power cord into a grounded outlet.



Don't use an outlet controlled by a wall switch or timer, or one that uses the same circuit as a large appliance. This may disrupt the power, which can erase memory or even damage the power supply.

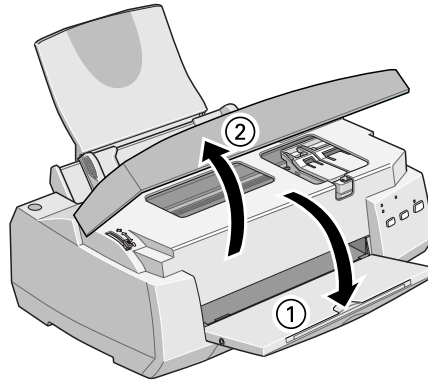
2. Unwrap the ink cartridges. Then remove **only** the yellow part of the tape seal on the top, as shown. **Don't pull off the blue portion or remove the clear seal underneath the cartridge.**







To ensure the print heads charge correctly, install the ink cartridges that came with your printer.


You must remove the yellow tape from the top of the cartridge or you will permanently damage it. It's okay if a small corner of the yellow tape stays on the cartridge.

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

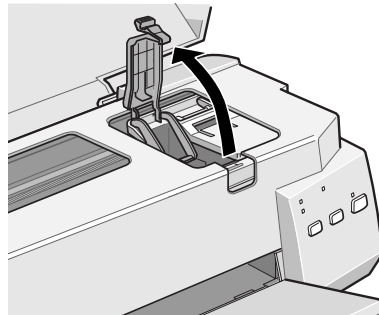


4. Press the  power button to turn on the printer. The  power light flashes and the  and  ink out lights come on. The black ink cartridge holder moves slightly left to the loading position.

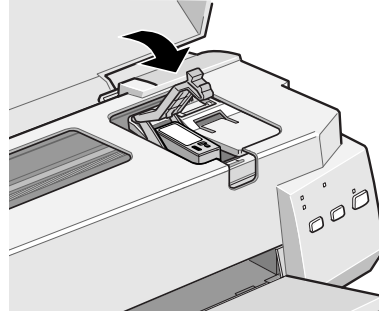
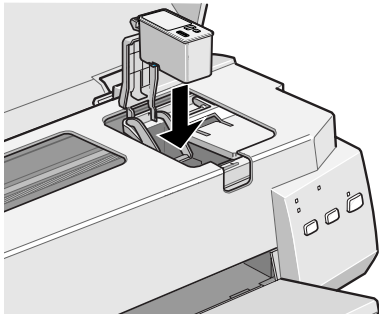


Always use the  power button to turn the printer on or off. Never use the external switch on a power strip.



5. Lift up the black ink cartridge clamp.





6. Place the black ink cartridge in the holder with the label facing up and toward the back of the printer, as shown. Then close the clamp, making sure it clicks into place.




If ink gets on your hands, wash them thoroughly with soap and water. If ink gets in your eyes, flush them immediately with water.

7. Now press the  color cleaning button to move the color ink cartridge holder into loading position.
8. Repeat steps 5 and 6 to install the color ink cartridge.
9. Press the  cleaning button to begin charging the ink delivery system and then close the printer cover.

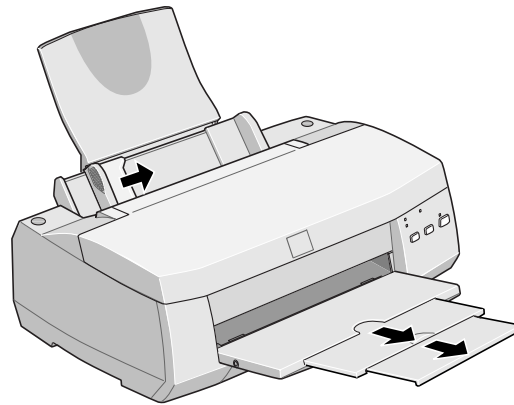
Charging takes about 2 minutes. The  power light flashes and the printer makes various sounds until it's finished. Don't turn off the printer or interrupt this charging process or it will start over, using more ink than necessary. Charging is finished when the  power light stops flashing and stays on.



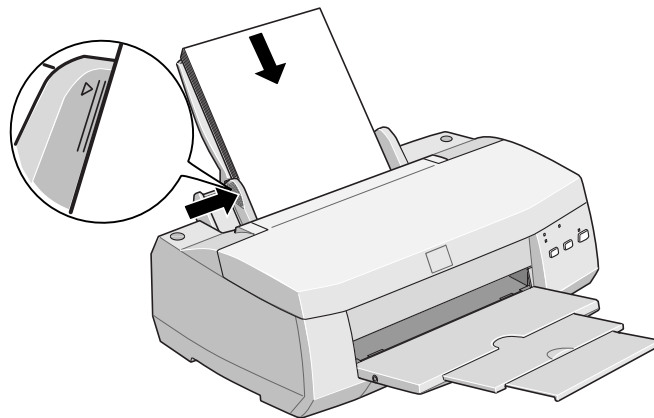
Never turn off the printer when the  power light is flashing, unless the printer hasn't moved or made any noise for more than 5 minutes.

Load Paper

1. Open the output tray extensions. Slide the left edge guide right until it is a little wider than your paper.



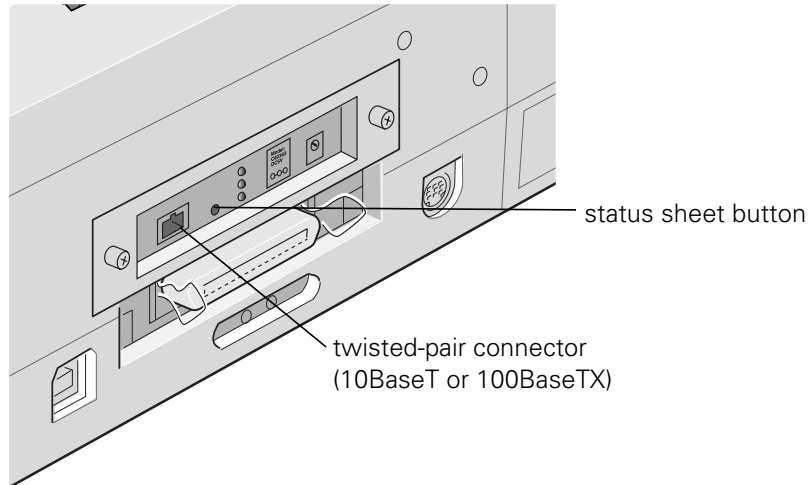
2. Load a stack of plain paper with the printable side up and place it against the right edge guide. Then slide the left edge guide to the paper's left edge. Don't load paper higher than the arrow on the guide.



Connect the Printer to Your Network

Connect your printer to an Ethernet twisted-pair (10BaseT or 100BaseTX) network connection.

1. Attach the network cable to the connector on the card.



2. To initialize the card, turn on the printer while pressing down the status sheet button. Continue pressing the status sheet button for five seconds.

Printing a Status Sheet

To print a status sheet, press the status sheet button and hold it for about three seconds. This sheet gives you important information, including the serial number and MAC address (hardware address) of the card. Keep the status sheet so you can use it when you configure the Ethernet card.

Configuring the Printer for the Network

See the table below to find your network configuration (operating system and protocol), and determine what to install and where to find instructions for configuring your network. For many operating systems, you can change configuration settings using the Ethernet card's internal home page. See the *Administrator's Manual* for more information.

Operating system	Network protocol	What you need to install and configure
Windows 98, Windows 95	TCP/IP	<ol style="list-style-type: none"> 1. EPSON Net!2 (page 21) 2. EPSON Status Monitor 2 on each workstation (page 23) 3. IP address for the Ethernet card (page 39) 4. Printer driver on each workstation (page 49)
	NetBEUI (TCP/IP must also be installed)	<ol style="list-style-type: none"> 1. EPSON Net!2 (page 21) 2. EPSON Status Monitor 2 (page 23) 3. IP address for the Ethernet card (page 39) 4. NetBEUI settings on the Ethernet card home page* (page 46) 5. Printer driver on each workstation (page 49)
	Novell NetWare	<ol style="list-style-type: none"> 1. EPSON Net!2 (page 21 and page 33) 2. EPSON Status Monitor 2 (page 23) 3. Setup using NwAdmin (page 26) or PCONSOLE (<i>Administrator's Manual</i>, Chapter 4) 4. Printer driver on each workstation (page 49)
Windows 3.1x	Novell NetWare, Windows NT Server	Windows 3.1x acts as a client only; you can't use a Windows 3.1x workstation to configure the Ethernet card or monitor the printer. Install the printer driver on each workstation and change the printer's port setting. (page 49)

Operating system	Network protocol	What you need to install and configure
DOS 6.22	Novell NetWare, Windows NT Server, Windows for Workgroups	DOS acts as a client only, you can't use a DOS workstation to monitor the printer.
Windows NT 4.0 (Service Pack 3, or higher)	TCP/IP	<ol style="list-style-type: none"> 1. EPSON Net!2 (page 21) 2. EPSON Status Monitor 2 (page 23) 3. IP address for the Ethernet card (page 39) 4. Printer driver on each workstation** (page 49)
	NetBEUI (TCP/IP must also be installed)	<ol style="list-style-type: none"> 1. EPSON Net!2 (page 21) 2. EPSON Status Monitor 2 (page 23) 3. IP address for the Ethernet card (page 39) 4. NetBEUI settings on the Ethernet card home page* (page 46) 5. Printer driver on each workstation** (page 49)
	Novell NetWare	<ol style="list-style-type: none"> 1. EPSON Net!2 (page 21 and page 33) 2. EPSON Status Monitor 2 (page 23) 3. Setup using NwAdmin (page 26) or PCONSOLE (<i>Administrator's Manual</i>, Chapter 4) 4. Printer driver on each workstation** (page 49)
Macintosh	AppleTalk	<ol style="list-style-type: none"> 1. EPSON Net!2 (page 21 and page 44) 2. Printer driver on each system (page 49)
UNIX	TCP/IP (lpr, ftp)	<ol style="list-style-type: none"> 1. Install a printer driver and filter. (See your UNIX documentation.) 2. Configure the printer for lpr or ftp. (<i>Administrator's Manual</i>, Chapter 9)
IBM OS/2 Warp	NetBEUI	<i>Administrator's Manual</i> , Chapter 8
	TCP/IP	<i>Administrator's Manual</i> , Chapter 8

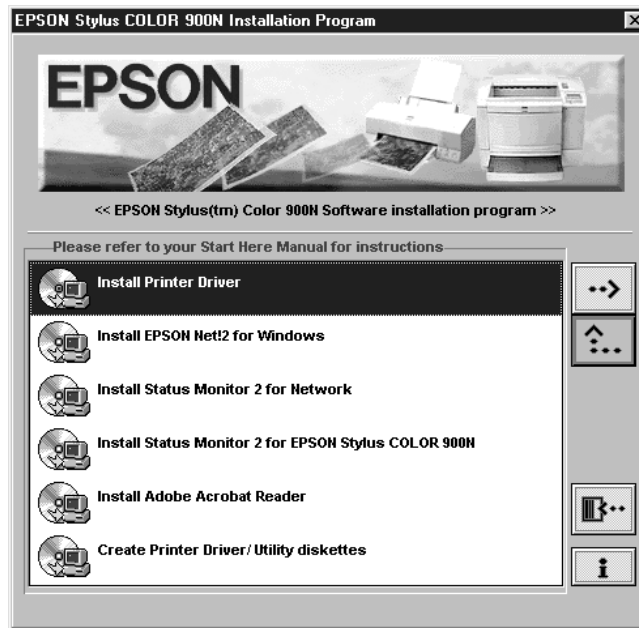
* To use the Ethernet card home page, you must have TCP/IP setup on your network, as well as either Microsoft Internet Explorer 4.0 or later, or Netscape Navigator™ 3.0 or later.

** If you have a Windows NT 4.0 Server network, you may need to install the driver only on the server. See your Windows NT documentation.


Installing EPSON Net!2 in Windows

1. Insert the printer software CD-ROM in your drive.

You see the EPSON Installation Program screen:



If the screen does not appear, go to My Computer and double-click the Epson CD-ROM icon to start the EPSON Installation program.

2. Highlight Install EpsonNet!2 for Windows and click the right arrow button .
3. Follow the instructions on screen to install EPSON Net!2.

When you are finished, you can install Status Monitor 2 to monitor information about your printer including ink levels and printer errors. See page 23 for instructions.

Status Monitor 2 can create extra network traffic, so if you don't want to install it, you can skip to configuring the Ethernet card with EPSON Net!2. See page 26 for NetWare and page 39 for TCP/IP and NetBEUI.



If you have any Windows 98 or Windows 95 systems on your TCP/IP network, you need to install Status Monitor 2 on each one to use EPSON TCP/IP printing. Windows 98 and Windows 95 do not have TCP/IP printing built-in like Windows NT.

Installing EPSON Net!2 on a Macintosh

1. Create a folder for EPSON Net!2 on your hard disk.
2. Insert the printer software CD-ROM in your CD-ROM drive.
3. Copy EPSON Net!2 to the folder you created.

After you install EPSON Net!2, use it to configure your printer for AppleTalk, following the steps on page 44.

Installing Status Monitor 2

EPSON Status Monitor 2 is a single utility that you install in two parts. For each system that will monitor the printer, make sure you install the network part and the EPSON Stylus COLOR 900N part of EPSON Status Monitor 2. These two parts work together to allow you to see your printer's status information over the network.

Status Monitor 2 lets you monitor information from the server or from any of the workstations where you install it. It gives you ink levels in the printer and notifies you if the printer has any problems. It does create network traffic, however, so you may want to limit the number of users who monitor the printer.

Status Monitor 2 also includes the EPSON TCP/IP printing protocol, which allows Windows 98 and Windows 95 users to print with TCP/IP. If you have Windows 98 or Windows 95 systems and use TCP/IP for printing, you need to install Status Monitor 2 on each workstation that uses the printer.

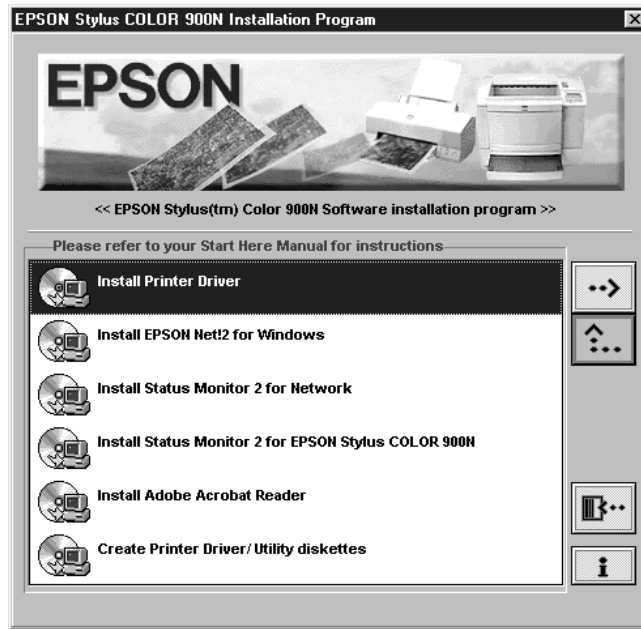


You may not see screens for all the steps in this section, depending on your computer's configuration.


Write down your settings in the spaces provided as you install the first part of Status Monitor 2. You need to select the same settings for the second part.

Follow these steps to install Status Monitor 2:

1. Insert the printer software CD-ROM. You see the following screen:



If the screen does not appear, type `D:\EPSETUP` (where *D*: is the drive letter of your CD-ROM) and click OK to start the EPSON Installation program.

2. Highlight Install Status Monitor 2 for Network and click the right arrow button .
3. Close any open programs and click Next. A screen appears asking where you want to install Status Monitor 2.
4. Click Next to accept the default directory or choose a different directory and click Next.
5. If you are using Windows 98 or Windows 95 and you have TCP/IP installed, you see a screen asking you if you want to enable EPSON TCP/IP printing. Select Yes if you want to print with TCP/IP, and then click Next.

TCP/IP Printing: Yes _____ No _____

6. Select the type of printer(s) you want to monitor and click Next.

Monitor: EPSON TCP/IP printers _____ Windows shared printers _____
NetWare printers _____ local printers _____

7. Select Monitor to monitor EPSON network printers that do not have drivers on your computer. Select Do not monitor if network traffic is a problem. Then click Next.

Printers: Monitor _____ Do not monitor _____



If you have dial-up routers in a NetWare environment, they may automatically dial up the next hop and you may be charged for the line connection depending on the number of hops you set. To prevent this and to keep network traffic to a minimum, set hops carefully.



8. If you're using NetWare, set the number of hops (0 to 15) and click Next.

Number of hops: _____

9. Check the current settings and click Next.

10. Select No and click Finish.

Now you install the second part of Status Monitor 2:

11. From the EPSON Installation Program screen, highlight Install Status Monitor 2 for EPSON Stylus COLOR 900N and click the right arrow button .
12. Click Next, then follow steps 5 through 8, using the same settings you used in those steps.
13. Check the current settings and click Next. Select Yes and click Finish to restart your computer.
14. After you restart your computer, right-click the green background monitoring icon  in your Startup group on the taskbar. Click Stop monitoring now. This step turns off background monitoring, which may interfere with EPSON Net!2 when you configure the card. (See page 95 in your electronic *EPSON Stylus COLOR 900N Manual* or Chapter 11 in your *Administrator's Manual* to turn on background monitoring later.)

After you install the network software, configure the printer's Ethernet card for TCP/IP (page 39), or use EPSON Net!2 to configure your printer for NetWare (page 26).



If you are not using EPSON Net!2 on your computer, you do not have to turn off background monitoring. (You should limit the number of systems that monitor the printer, however, to prevent network traffic problems.)



Configuring for NetWare

You can configure the printer for NDS or bindery with NwAdmin and EPSON Net!2. (If you want to use PCONSOLE, see Chapter 4 in your *Administrator's Manual*.) Before you follow the steps in the sections below, check whether you want to use the printer as a dedicated print server or as a remote printer. (See page 4-2 in your *Administrator's Manual* for details.)

Using NwAdmin to Set Up Your Printer

You must first use NwAdmin to define your printer, define a print server, and set up a queue. If the client does not correspond to NDS, set up the printer, print server, and queue in the bindery context.



When printing using bindery correspondence clients, make the object related to the print server right under the bindery context in the directory tree.

Confirm the bindery context path from the server with the SET BINDERY CONTEXT command. See your NetWare documentation for more information.

When you print a text file using the NPRINT command or DOS redirection, misconversion or a gap in characters might occur depending on the client environment.

Follow these steps to set up your printer:

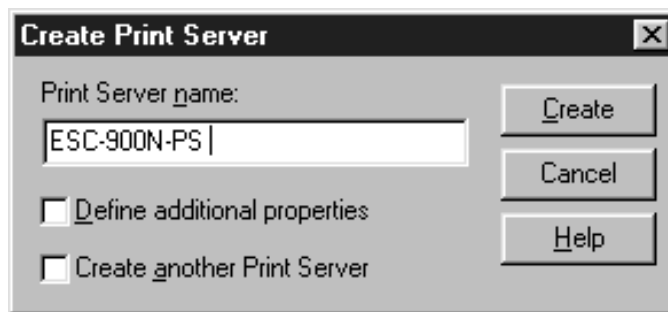
1. Log in to the NDS tree (or to the server with bindery context) with admin or supervisor privileges.
2. Run the administrator tool (NwAdmin).
3. Create a printer:

Click the directory context icon (or bindery context), and select Object, Create, and then Printer. Type the printer name and click Create.



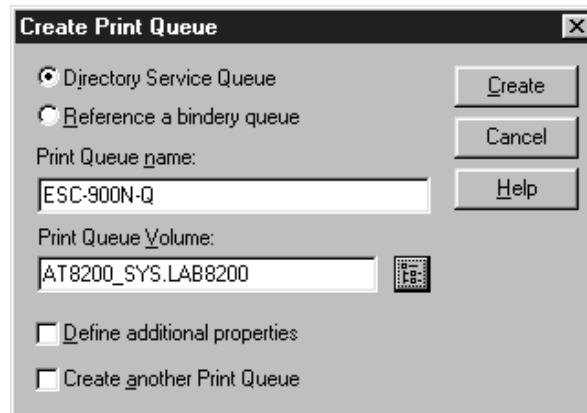
4. Create a print server:

Click the directory context icon (or bindery context), and select Object, Create, and then Print Server. Type the print server name and click Create.

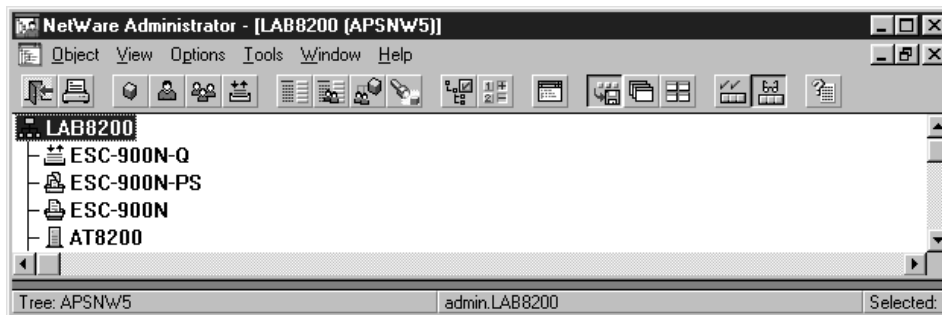


5. Create a print queue:

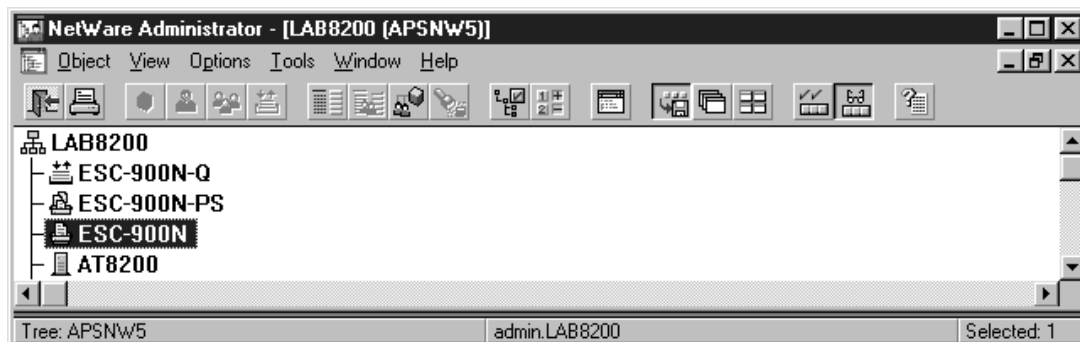
Click the directory context icon (or bindery context), and select Object, then Create, and then Print Queue. Type the print queue name and select the print queue volume. Then click Create.



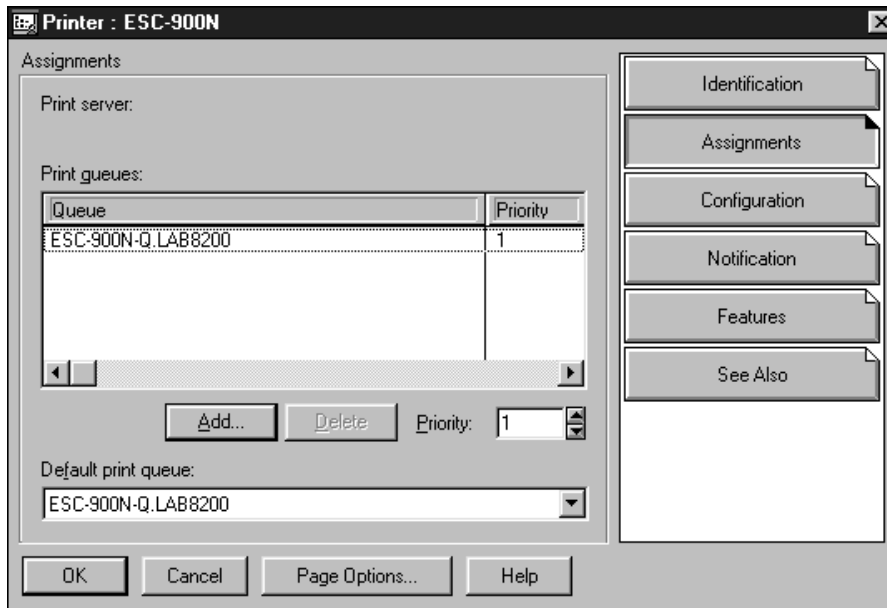
The objects you have just created are added to the NDS tree (or bindery).



6. Double-click the Printer Object icon on the NetWare Administrator screen.



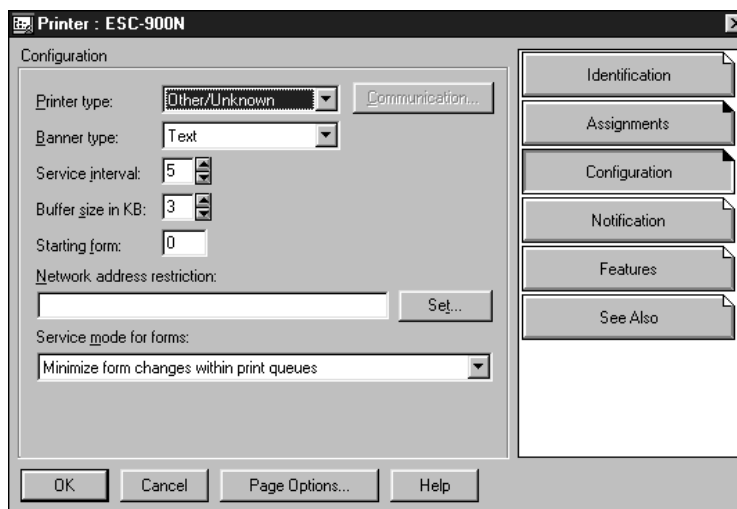
7. The Printer dialog box appears. Click Assignments and then click Add.



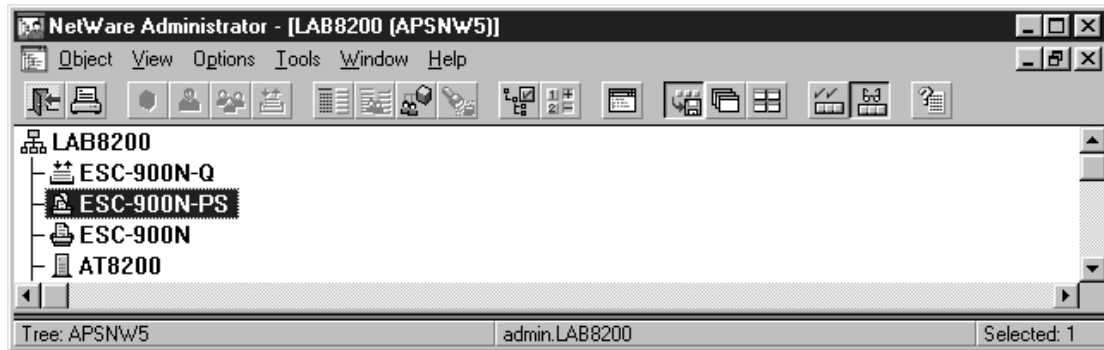
8. From the print queue list, select the queue you want to assign and click OK.

9. For Print Server mode, go to step 11.

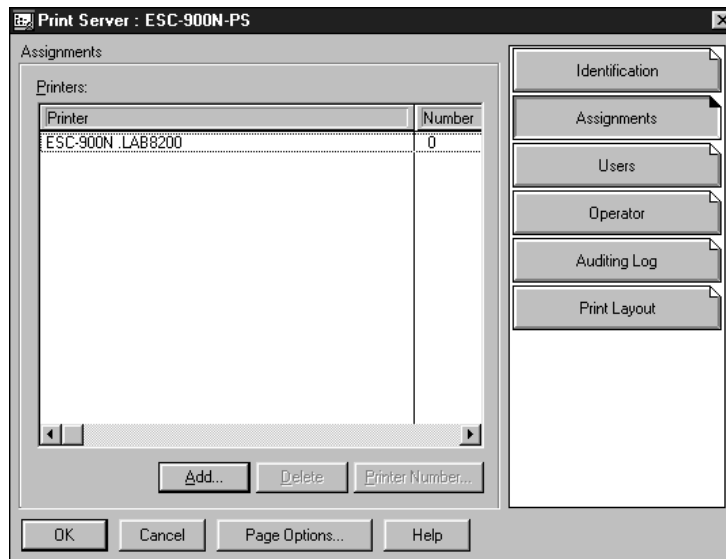
For Remote Printer mode, click Configuration, select Other/Unknown for the Printer type box and click OK.



10. Double-click the print server object icon on the NetWare Administrator screen.



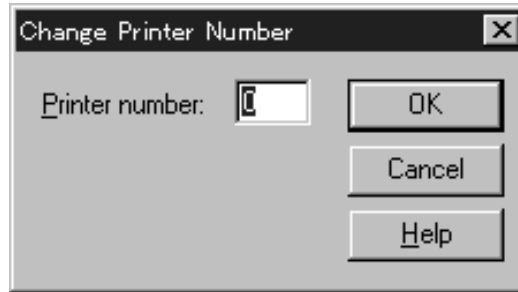
11. The Print Server dialog box appears. Click Assignments and then click Add.



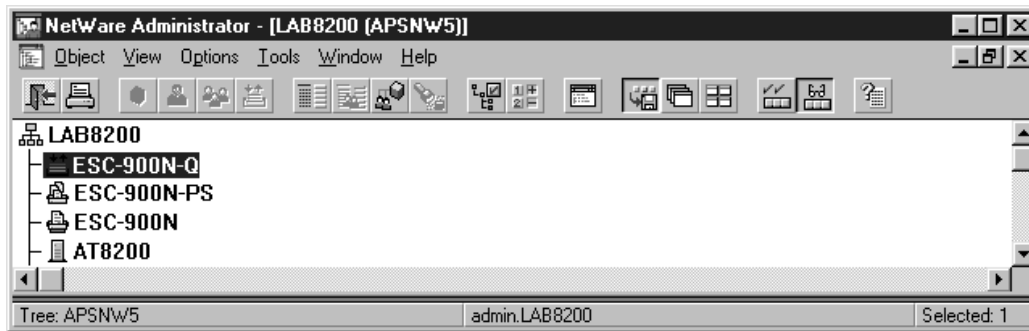
12. From the printer object list, select the printer object you want to assign and click OK.

13. For Print Server mode, go to step 14.

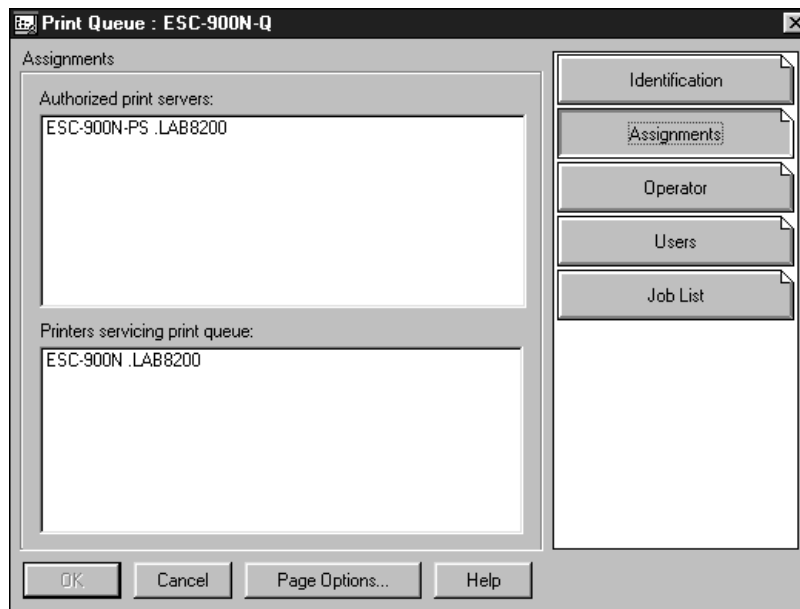
For Remote Printer mode, go back to the screen in step 11 and click the Printer Number button to set up the printer number from 0 to 254.



14. Double-click the print queue object icon on the NetWare Administrator screen.



15. The Print Queue dialog box appears. Click Assignments. Check that the print server and the printer are assigned to the queue.



You now need to use EPSON Net!2 to configure the card:

- For Print Server mode, see the section below.
- For Remote Printer mode, go to page 36.

Using EPSON Net!2 to Configure the Card in Print Server Mode

Once you have set up the printer in NwAdmin or PCONSOLE, you can configure the printer with EPSON Net!2, as described below.



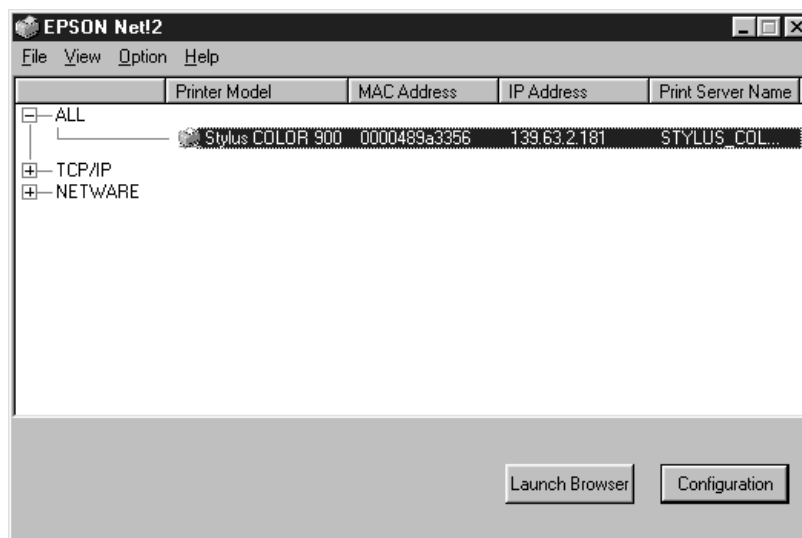
If the Status Monitor 2 utility is running, or if background monitoring is turned on, it may interfere with EPSON Net!2. Close Status Monitor 2 if it is running and turn off background monitoring, following step 14 on page 25.

If you have connected more than one printer with the same type of Ethernet card to the network, you can distinguish the cards by their MAC addresses. Press and hold the card's status sheet button for three seconds to print a status sheet with the MAC address of the card.

If the IP address is set to the default IP address, the printer model might not appear.

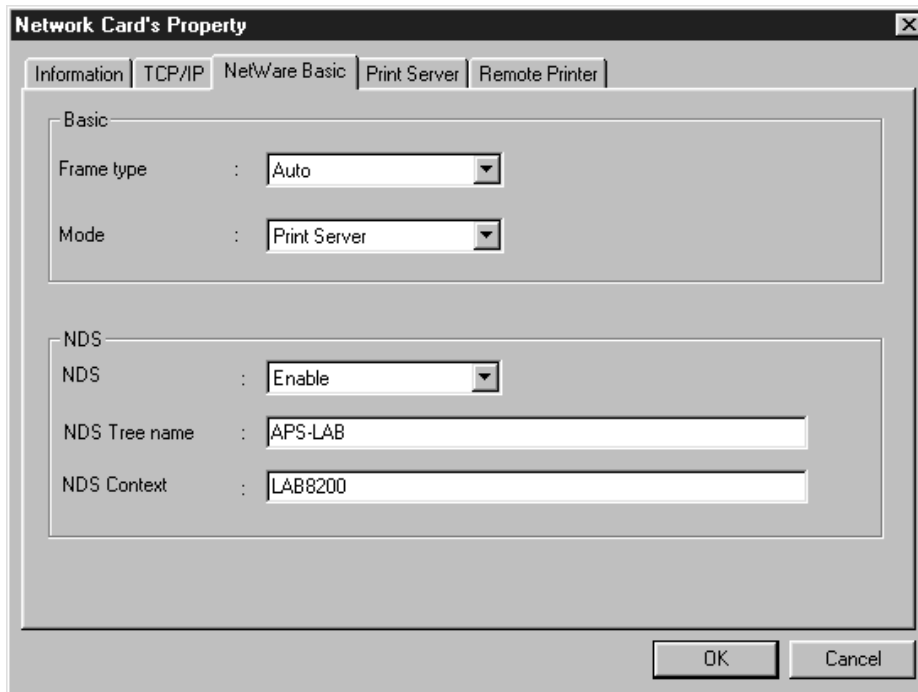
Follow these steps:

1. Start EPSON Net!2. The following screen appears:



2. Highlight your EPSON Stylus COLOR 900N printer and click Configuration.

3. Click the NetWare Basic tab and make the following settings:



Frame type

Select one of the following: Auto, Ethernet 802.2, Ethernet 802.3, Ethernet II, or SNAP.

Mode

Select Print Server.

NDS

Select Enable or Disable.

NDS Tree name

If you are using NDS mode, type the same name as you used in NwAdmin (up to 31 characters).

NDS Context

NDS context is the Object rank in the Directory tree. Type the container object (up to 255 characters) from the Object to the Root. Do not type the “.” at the top.



See your NetWare manual for the available characters and number of characters you can use.

4. Click the Print Server tab and make the following settings:

Network Card's Property

Information | TCP/IP | NetWare Basic | **Print Server** | Remote Printer

Print Server

Primary file server name : AT8200

Password :

Re-Input password :

Print server name : STYLUS_COLOR_900-9A3356

Polling interval : 5 sec

OK Cancel

Primary file server name

Select the server where you created the queue.

Password

Type any new password up to 19 characters. The characters you enter appear as “*”.

Print server name

Type any new name up to 47 characters. The default name consists of the printer name and the last six digits of the Ethernet card’s serial number.

Polling interval

Set the polling time from 5 to 90 seconds.

5. Click OK to save your changes. If the message “Configuration is successfully done” appears on your screen, the update is complete.

6. In the file Server Console's MONITOR.NLM, select the Connection Information. Check if the print server name assigned to the Ethernet card has been logged in to the Active Connections list. It takes up to five minutes to complete this.



Once you make changes to the Ethernet card, you must wait until it registers the settings (the "Configuration is successfully done" message appears) before you turn off the printer.

Using EPSON Net!2 to Configure the Card in Remote Printer Mode



If the Status Monitor 2 utility is running, or if background monitoring is turned on, it may interfere with EPSON Net!2. Close Status Monitor 2 if it is running and turn off background monitoring, following step 14 on page 25.

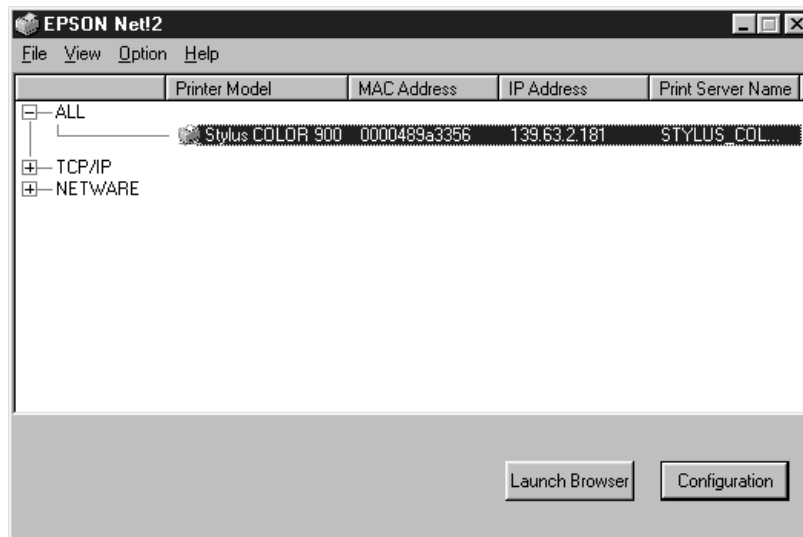
If you have connected more than one printer with the same type of Ethernet card to the network, you can distinguish the cards by their MAC addresses. Press and hold the card's status sheet button for three seconds to print a status sheet with the MAC address of the card.

If the IP address is set to the default IP address, the printer model might not appear.

Follow these steps:

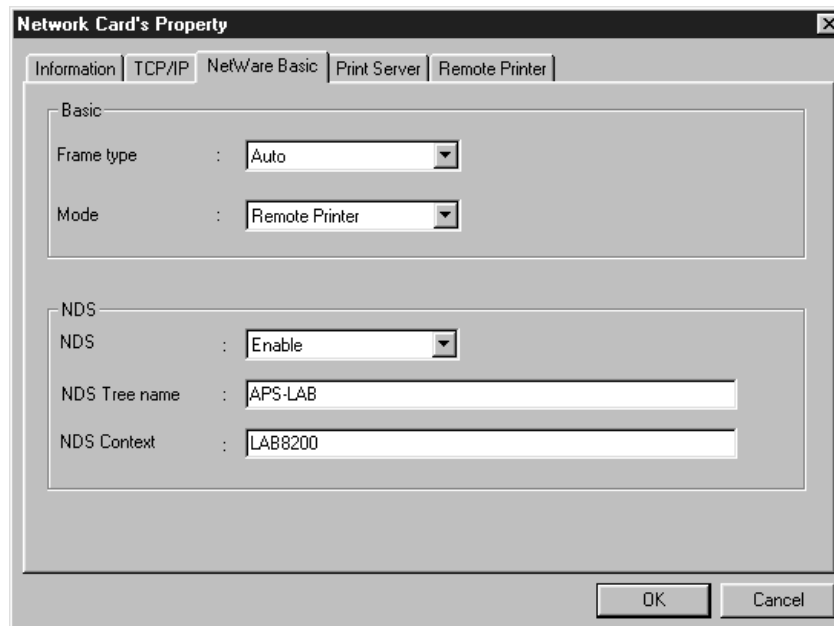
1. From the System Console of the file server where you set the print queue, load the print server module with the following command (use the print server name which you assigned in step 4 on page 27):
>Load PSERVER print server name

2. Start EPSON Net!2. The following screen appears:



3. Highlight your printer and click Configuration.

4. Click the NetWare Basic tab and make the following settings:



Frame type

Select one of the following: Auto, Ethernet 802.2, Ethernet 802.3, Ethernet II, Ethernet SNAP.

Mode

Select Remote Printer.

NDS

Select Enable or Disable.

NDS Tree name

If you are using NDS mode, type the same name (up to 31 characters) as you set in NwAdmin.

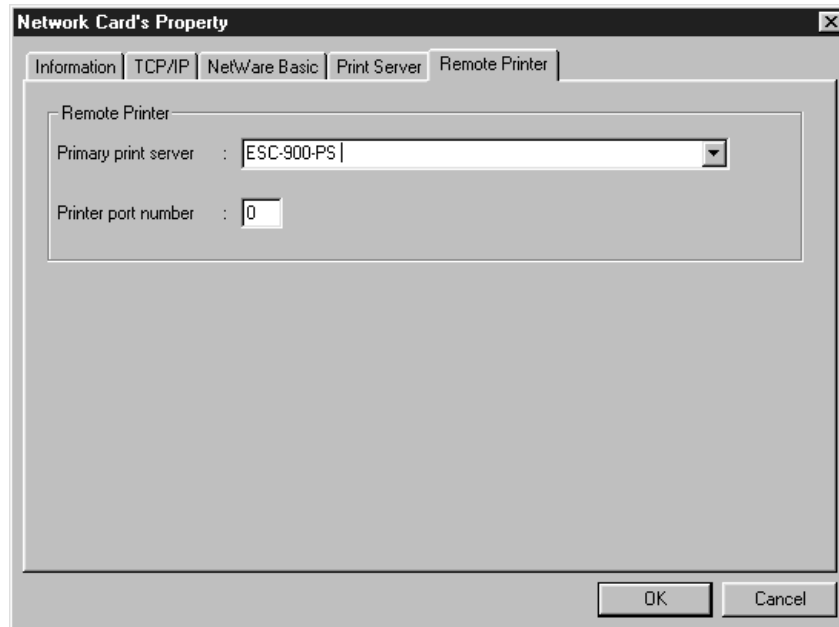
NDS Context

NDS context is the Object rank in the Directory tree. Type the container object (up to 255 characters) from the Object to the Root. Do not type the “.” at the top.



See your NetWare manual for the available characters and number of characters you can use.

5. Click the Remote Printer tab and make the following settings:



Primary print server

Select the print server name you have created.

Printer port number

Type the same port number you assigned to the print server.

6. Click OK to save changes. If the message “Configuration is successfully done” appears on your screen, the update is complete.
7. Select Printer Status from the Console screen of the print server. Then check the status.
8. Select Queues serviced. Check that the print queue name which you set in step 5 on page 28 is in the Print Queues Serviced By Printer box.



Once you make changes to the Ethernet card, you must wait until it registers the settings (the “Configuration is successfully done” message appears) before you turn off the printer.

Configuring for TCP/IP

For a Windows 98, Windows 95, or Windows NT 4.0 network with TCP/IP or NetBEUI, you need to set the card’s IP address. You can use EPSON Net!2 or the arp command to do this, as described in the sections below.

Windows 98 and Windows 95 do not come with the TCP/IP printing protocol, so in addition to TCP/IP, you need to install the EPSON TCP/IP printing protocol included with Status Monitor 2. See page 23 for instructions. (See your Windows documentation or Help system to set up TCP/IP.



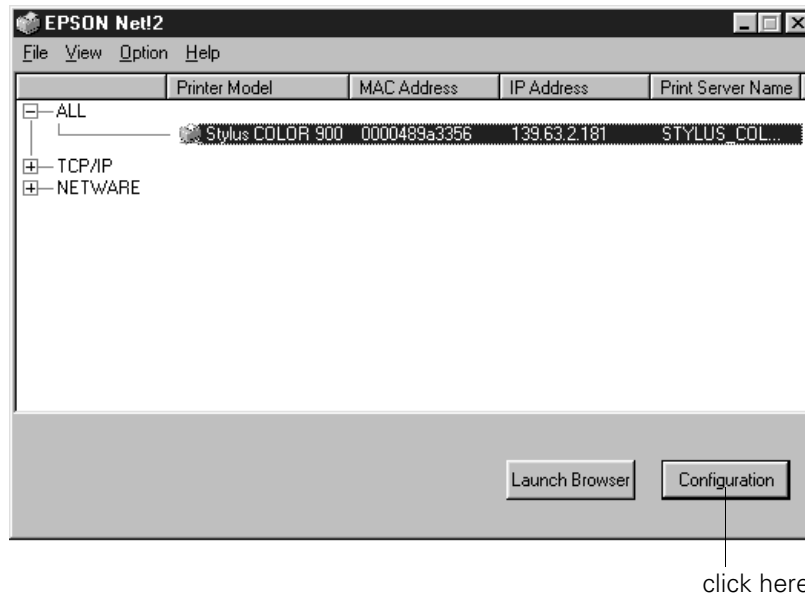
If the Status Monitor 2 utility is running, or if background monitoring is turned on, it may interfere with EPSON Net!2. Close Status Monitor 2 if it is running and turn off background monitoring, following step 14 on page 25.

Using EPSON Net!2

Make sure the Ethernet card and printer are on the same segment of the network as the computer you are using to configure the card. Also, you need to know the IP address for the computer and the IP address you will assign to the printer’s Ethernet card.

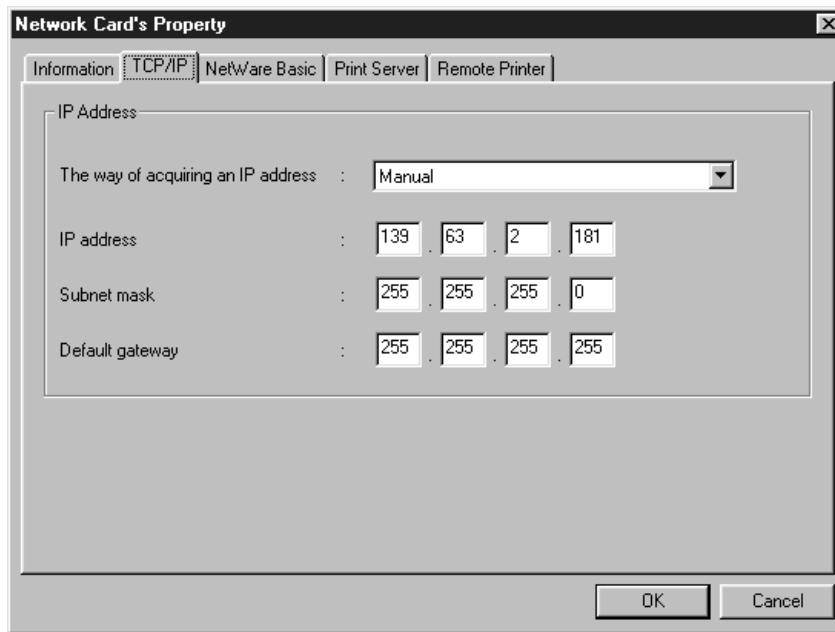
Follow these steps to assign an IP address:

1. Make sure Windows is running, the Ethernet card is connected to the network, and the printer is turned on.
2. Click Start, point to Programs, point to EPSON Net!2, then click EPSON Net!2.
3. Click the printer where you want to set the IP address, and then click the Configuration button.



If you have connected more than one printer with the same type of Ethernet card to the network, you can distinguish the cards by their MAC addresses. Press and hold the card's status sheet button for three seconds to print a status sheet with the MAC address of the card.

- Click the TCP/IP tab to display the TCP/IP menu.



- For The way of acquiring an IP address, select one of the following: Manual, RARP, BOOTP, or DHCP.



To use RARP, BOOTP, or DHCP, a server for each protocol is necessary. If there is no corresponding server, do not use any of these settings. See your network operating system documentation for the settings.

- Assign the IP address, the Subnet mask, and the Default gateway. If you use DHCP to acquire an IP address, you can't assign these items; they are assigned by the server.



If you will use the card's internal home page, assign an IP address manually.

The default IP address is 11.22.33.44. If you plan to use the card's internal home page, change the default IP address.

If a server or router acts as a gateway, type the gateway address. If there is no gateway, type the IP address of your computer.

7. Click OK to save the new settings. The update is complete when the message “Configuration is successfully done” appears. (After you click OK, wait a few minutes before turning off the printer, so the settings have time to reach the card.)

Before you can print using TCP/IP, you still need to do the following on each computer that will use the printer:

- Install the printer driver (see page 49)
- Add a printer port (see page 51)

See page 46 if you need to enable NetBEUI on the Ethernet card.

Using the arp Command

Make sure the Ethernet card and printer are on the same segment of the network as the computer you are using to configure the card. Also, you need to know the IP address for the computer and the IP address you will assign to the printer’s Ethernet card.

Follow these steps to assign the IP address:

1. Click Start, point to Settings, click Control Panel and double-click the Network icon.
2. In Windows 98 or Windows 95, highlight TCP/IP and click Properties, then click the Gateway tab.

In Windows NT, click the Protocols tab. Highlight TCP/IP Protocol and click Properties. Click the IP Address tab.

3. Type 11.22.33.44 in the Gateway box to set up a default gateway. In Windows 98 or Windows 95, click Add.
4. Click OK to close the TCP/IP dialog box and then click OK to close the network settings dialog box and save your settings. Click Yes to restart your computer.
5. Find the MAC address for the Ethernet card on the status sheet (see page 17).
6. Click Start, point to Programs, then click the MS-DOS Prompt icon to open a DOS window.

7. Type in the following command to set up the routing table:

```
ping 11.22.33.44
```

8. Add an entry in the ARP table that assigns an IP address to the hardware address of the Ethernet card. Use the following command:

```
arp -s <IP address> <MAC address>
```

For example:

```
arp -s 192.1.1.6 00-00-48-92-BD-9A
```



For Windows NT, substitute colons (:) for the hyphens (-) shown in the MAC address.

9. Wait at least two minutes for the settings to reach the card, then start a continuous “ping” to the card, using the following command with the card IP address:

```
ping <IP address>
```

For example: ping 192.1.1.6

You see a message similar to the following:

```
Reply from 192.1.1.6: bytes=32 time<10ms TTL=30
Reply from 192.1.1.6: bytes=32 time<10ms TTL=30
Reply from 192.1.1.6: bytes=32 time<10ms TTL=30
Reply from 192.1.1.6: bytes=32 time<10ms TTL=30
```

This shows that the Ethernet card is correctly set up for TCP/IP.

If you receive 4 lines that say “Request Timed Out,” the card is not set up correctly. Make sure the card is on the same segment of the network as the workstation you are using to configure it and that you typed in the correct IP and MAC addresses.



If you have trouble getting the network to recognize the card, check Chapter 12, Troubleshooting, in the *Administrator's Manual* for solutions to possible problems.

Before you can print using TCP/IP, you still need to do the following on each computer that will use the printer:

- Install the printer driver (see page 49)
- Add a printer port (see page 51)

See page 46 if you need to enable NetBEUI on the Ethernet card.

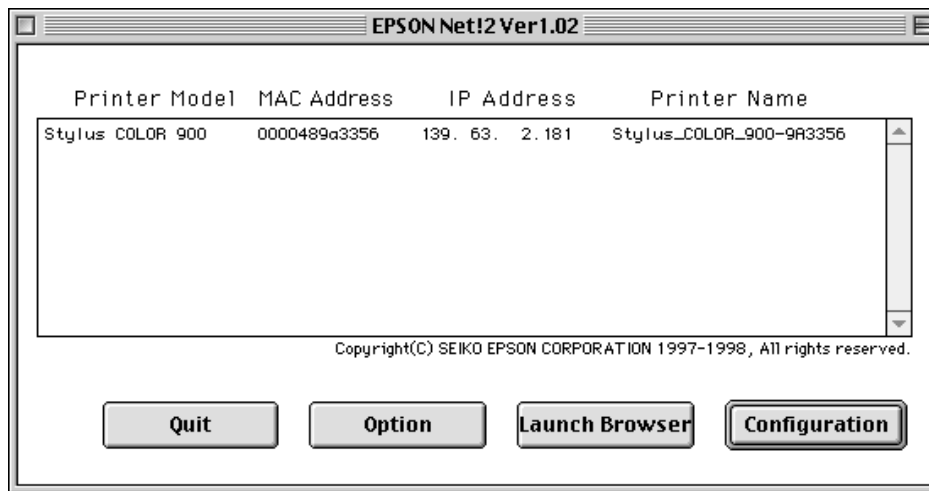
Configuring for AppleTalk

To use your printer on an AppleTalk network, you need to configure the Ethernet card for AppleTalk.

Follow these steps to configure your card using EPSON Net!2:

1. Open the EPSON Net!2 utility.

You see a window like the following:



2. Highlight Stylus COLOR 900 and click Configuration. The IP Address Configuration and AppleTalk Configuration dialog box appears.

EPSON Net!2

<p>IP Address Configuration</p> <p>IP Address Setting</p> <p><input type="radio"/> Enable DHCP</p> <p><input type="radio"/> Enable BOOTP</p> <p><input type="radio"/> Enable RARP</p> <p><input checked="" type="radio"/> Manual</p> <p>IP Address :</p> <p>139 . 63 . 2 . 181</p> <p>Subnet Mask :</p> <p>255 . 255 . 255 . 0</p> <p>Default Gateway :</p> <p>255 . 255 . 255 . 255</p>	<p>AppleTalk Configuration</p> <p>Printer Setting</p> <p>Printer Name :</p> <p>Stylus_COLOR_900-9A335</p> <p>Entity Type :</p> <p>EPSONLQ2</p> <p>AppleTalk Setting</p> <p>Zone Name :</p> <p>*</p> <p>Network Number Set :</p> <p>AUTO</p> <p>NetWork Number for Manual Mode(0-65535) :</p> <p></p>
---	---

Return to Default Cancel Send

3. Make the following settings in the AppleTalk Configuration box.

Printer Name

Type the printer name (up to 31 characters). The default name consists of the printer name and the last six digits of the Ethernet card's serial number.

Entity Type

You do not have to set this option.

Zone Name

Select the network zone in which you want the printer to appear. If the zone has not been set, "*" appears.

Network Number Set

Select the network number setting. In most cases, you should select Auto.

Network Number for Manual Mode

The default number is 65535. If you have selected Auto for the Network Number Set, you can't type the network number manually.

4. Click the Send button to save the new settings to the Ethernet card. If the message “Configuration is successfully done” appears, the update is complete.

Configuring for NetBEUI

You can use NetBEUI in Windows networks to print to your EPSON Stylus COLOR 900N. Configure the card for NetBEUI using the card’s internal home page.

Before you can configure the card for NetBEUI, you must:

- Set up TCP/IP on all the workstations that will use the printer.
- Set the IP address for your Ethernet card (see page 39).
- Make sure you have either Microsoft Internet Explorer 4.0 or later, or Netscape Navigator 3.0 or later.



EPSON Net!2 for Windows and the Ethernet card home page can’t be open at the same time.

If you have not assigned an IP address to the Ethernet card, or if you use the default setting (including when you select DHCP to acquire an IP address), you can’t configure the Ethernet card for NetBEUI using the Ethernet card home page.

Then, follow these steps to access the Ethernet card home page and configure the card:

1. Run EPSON Net!2. Click the printer you want to configure from the list, and click the Launch Browser button. EPSON Net!2 closes automatically.

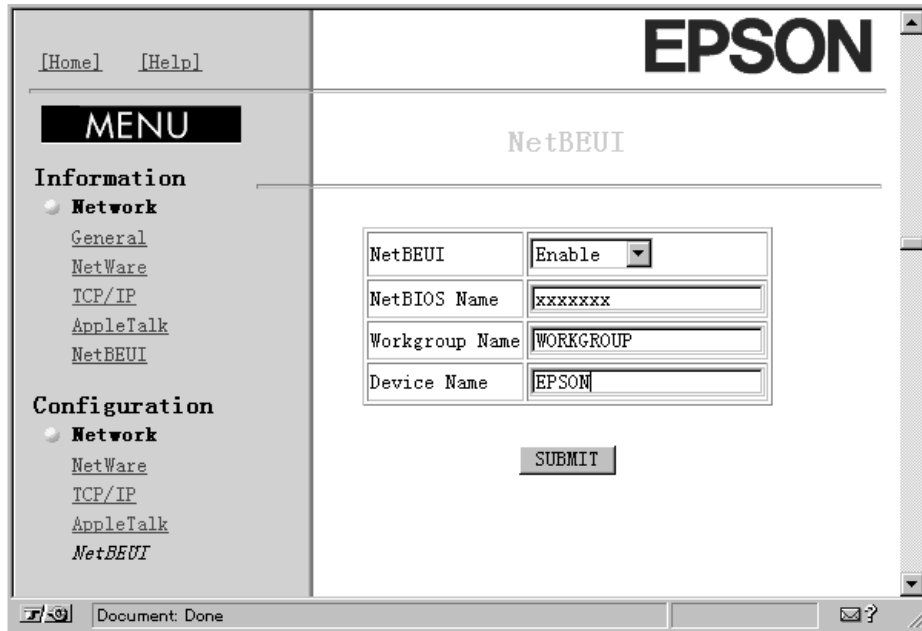
Or, run the browser and type the IP address for the Ethernet card. Do not run EPSON Net!2 while the browser is running.

Type the following URL:

http:// (IP address of the Ethernet card) /

The home page appears.

2. Click NetBEUI under Network on the Configuration menu. The NetBEUI setting screen appears.



3. Select Enable in order to use NetBEUI.



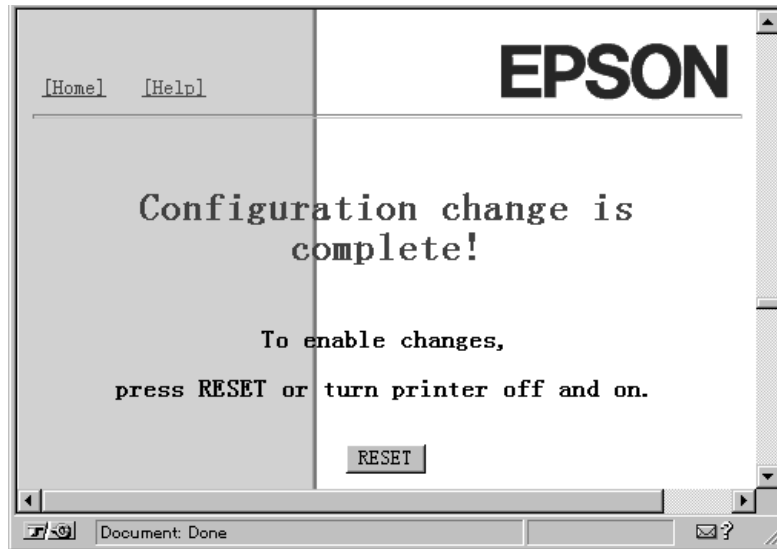
If Disable is on, all NetBEUI related functions stop.

The NetBIOS name is the name of your computer on the network. Make sure to give the printer a unique name for the network.

For the workgroup name, type the domain name or the workgroup name used in the Windows network.

4. Type the NetBIOS name (up to 15 characters), the workgroup name (up to 15 characters), and the device name (up to 8 characters). There are some restrictions on the characters you can use. For details, see your browser or operating system documentation.
5. Click SUBMIT to update the settings. If you have set a password, type the password to update the settings when prompted.

6. If the message “Configuration change is complete!” appears on your screen, the update is complete. Enable the changes by pressing RESET or turning your printer off and on.



Installing the Printer Driver on the Workstations

This chapter describes how to install the printer driver. For Windows computers, you need to change the port settings and for Macintosh computers, you need to select the printer in the Chooser. Unless you are on a Windows NT Server network, you need to install the printer driver on each workstation to enable it to print.

If you like, you can also install Status Monitor 2 on Windows 98, Windows 95, and Windows NT 4.0 workstations to monitor the ink levels and keep track of other information about your printer. Status Monitor 2 does create traffic, so you might want to limit the number of users who monitor the printer. To install Status Monitor 2, see the instructions on page 23.



If you are using only Windows 98 and/or Windows 95 on a TCP/IP network, you must install EPSON Status Monitor 2 on each workstation.

If your workstation does not have a CD-ROM drive, you can create diskettes from the CD-ROM using another computer. See page 103 for instructions.

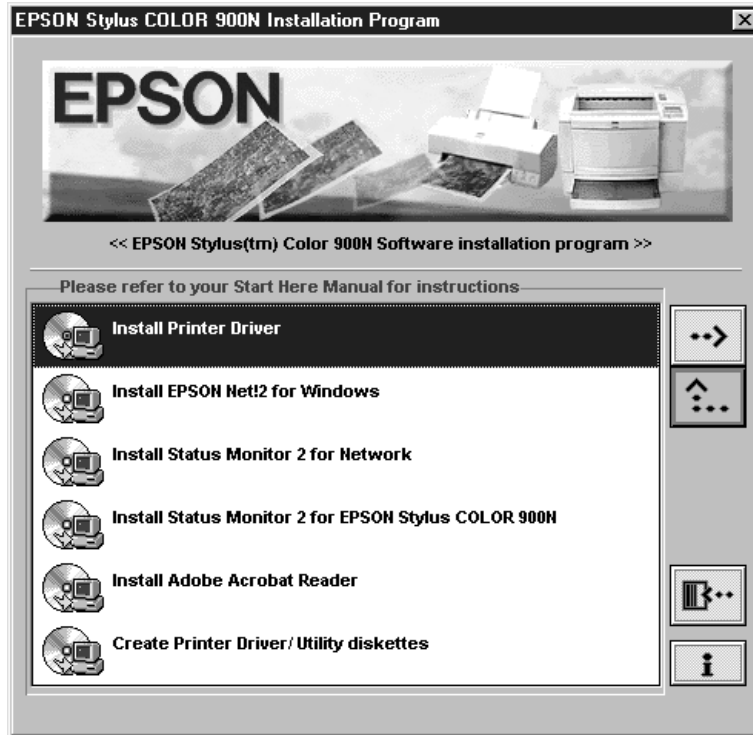


Installing the Printer Driver


The printer driver is on the printer software CD-ROM that came with your printer. If you have a Windows NT Server 4.0 network, you don't need to install the driver on each workstation. See your Windows NT documentation to set up sharing.

Installing in Windows 98, Windows 95, or Windows NT 4.0

1. Insert the printer software CD-ROM. You see the EPSON Installation Program screen:



If you do not see the screen, click Start, Run, and type *D:\EPSETUP* (where *D:* is the drive letter of your CD-ROM). Then click OK.

2. Highlight Install Printer Driver and click the right arrow button .
3. Click OK to install the printer driver.

Your printer is automatically set to your local port, LPT1. You need to change it to follow the network path to your printer by adding a port. See the section below.


Changing Your Port Setting

Follow the steps below to change the port setting. In Windows NT 4.0, make sure the TCP/IP Print Server service is running before you start.

1. Click Start, point to Settings, and click Printers.
2. Right-click the EPSON Stylus COLOR 900N printer icon.
3. Select Properties.
4. In Windows 98 or Windows 95, click the Details tab.
In Windows NT 4.0, click the Ports tab.
5. Click Add Port.
6. In Windows 98 or Windows 95, click Browse and choose the server or EPSON_TCPIP_Printer that your printer is set up on. Then click OK.

In Windows NT 4.0, click LPR Port, then type the printer's IP address and the name you want to assign. Click OK, Close, and OK again.

Installing in Windows 3.1x

1. Make sure Windows Program Manager is running and exit any open application programs.
2. Insert the printer software CD-ROM.
3. Open the File menu and select Run.
4. Type *D:\EPSETUP* (where *D:* is the drive letter of your CD-ROM) and click OK. You see the Software Installation screen (shown on page 50).
5. Highlight Install Printer Driver and click the right arrow button .
6. Click OK to install the software.

Your printer is automatically set to your local port, LPT1. You need to change it to follow the network path to your printer. See the section below.

Changing Your Port Setting

Follow these steps to change the port setting under Windows 3.1x:

1. Open the Print Manager and select EPSON Stylus COLOR 900N from the list of printers.
2. Select Network Connections from the Options menu.
3. In the New Connection area, type the network path and port, or click Browse to find the network path to your printer.
4. Click Connect and then click Close.

Installing on a Macintosh

1. Turn on your printer and your Macintosh and turn off any virus protection programs you may have.
2. Insert the printer software CD-ROM.
3. Double-click the Installer icon.
4. Follow the instructions on the screen and restart your computer.

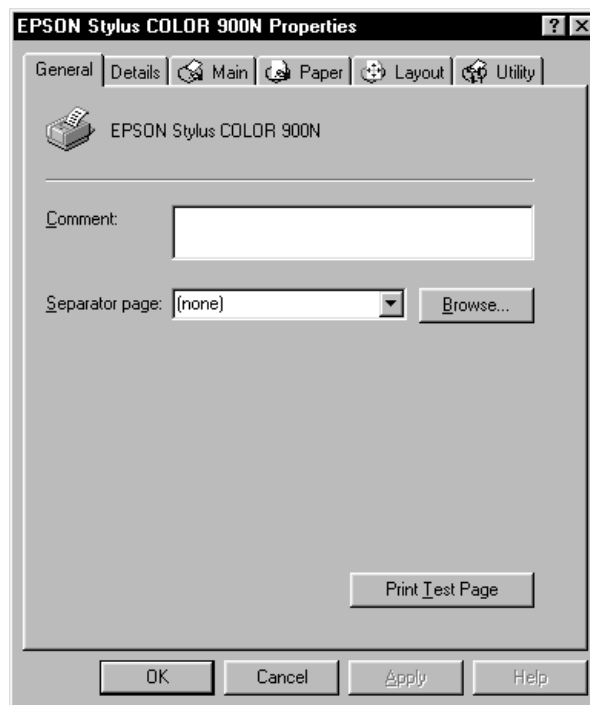
To use the printer or configure the printer's Ethernet card, you need to select the SC 900 (AT) printer in the Chooser and make sure AppleTalk is turned on. See your Macintosh documentation for more information.

Printing a Test Page

If you have a Windows 98, Windows 95, or Windows NT 4.0 workstation, follow the steps below to test the printer and make sure that the network is working correctly. Make sure the printer is turned on and a sheet of letter-sized paper is loaded.

1. Point to Start, Settings, and click Printers.
2. Right-click the EPSON Stylus COLOR 900N icon and click Properties.

You see the printer driver screen.



3. Click the General tab and click Print Test Page. The test page is printed and a screen asks you to confirm that it printed correctly.



If the test page does not print, see page 93 or page 128 in your electronic *EPSON Stylus COLOR 900N Manual* and Chapter 12, Troubleshooting, in your *Administrator's Manual* for solutions to possible problems.

Installing and Using Your Electronic Manual

This chapter describes how to install the *EPSON Stylus COLOR 900N Manual* on your hard disk and how to view the manual using Adobe Acrobat Reader.



Installing the Manual


Follow the instructions below for your operating system to copy the electronic *EPSON Stylus COLOR 900N Manual* from the CD-ROM to your hard disk:

- **Windows 95, 98, and NT:** Insert the printer software CD-ROM into your CD-ROM drive. Then use Windows Explorer or My Computer to copy the file 900Ndoc.pdf to a directory on your hard disk.
- **Windows 3.1:** Insert the printer software CD-ROM into your CD-ROM drive. Then use Windows File Manager to locate the file 900Ndoc.pdf and copy it to a directory on your hard disk.
- **Macintosh:** Insert the printer software CD-ROM in your CD-ROM drive. Then drag-and-drop the MANUAL folder icon to your hard disk.

You'll need to have Acrobat Reader installed on your hard disk to view the manual. If you do not already have it, install it from the printer software CD-ROM as described below.

Installing Acrobat Reader

Follow the instructions below to install Acrobat Reader on your hard disk, if necessary:

- **Windows 95, Windows 98, and Windows NT:** Insert the printer software CD-ROM into your CD-ROM drive. When you see the Installation Program screen, select Install Adobe Acrobat Reader and click the right arrow button . Follow the instructions on the screen to install Acrobat Reader.
- **Windows 3.1:** Insert the printer software CD-ROM into your CD-ROM drive. Open the Program Manager File menu and select Run. Type `D:\ADOBE\16BITACRO16.EXE` (where *D*: is your CD-ROM drive letter) or use the Browse button to locate the file. Click OK and follow the instructions on the screen to install Acrobat Reader on your hard disk. The installation creates an Adobe Acrobat program group in Program Manager.
- **Macintosh:** Insert the printer software CD-ROM in your CD-ROM drive. Double-click the Reader 3.01 Installer icon and follow the instructions on the screen to install Acrobat Reader.

Opening Your Electronic Manual

Follow the instructions below for your operating system to open your electronic *EPSON Stylus COLOR 900N Manual*:

- **Windows 95, 98, and NT:** Open Windows Explorer or My Computer and double-click the 900ndoc.pdf file. If the file doesn't open, start Acrobat Reader, open the File menu, click Open and select the 900ndoc.pdf file.
- **Windows 3.1:** Open File Manager and double-click the 900ndoc.pdf file. If the file doesn't open, start Acrobat Reader, open the File menu, click Open and select the 900ndoc.pdf file.
- **Macintosh:** Locate the 900N MANUAL.PDF icon in the MANUAL folder on your hard disk and double-click it. The manual opens in Acrobat Reader automatically.

Basic Printing

This chapter describes what you need to do to print a basic document—such as a memo, newsletter, or photograph—from loading the paper to selecting print settings to controlling print jobs. Follow the step-by-step instructions for your operating system in these sections:

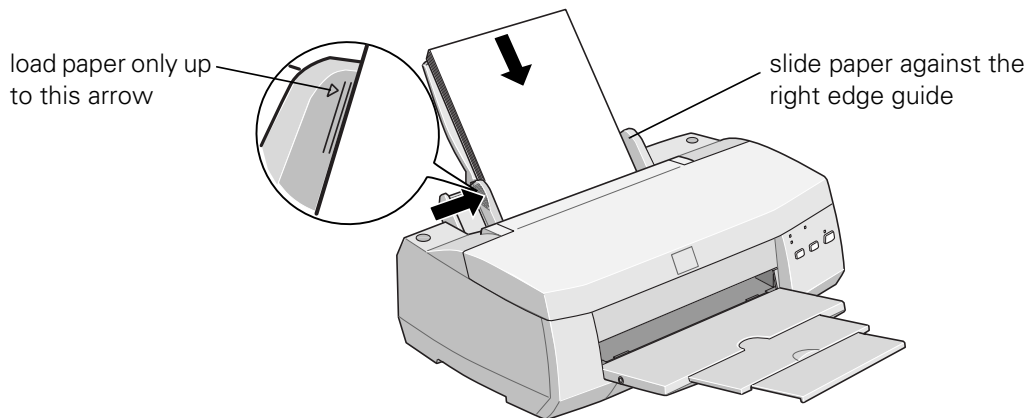
- “Printing with Windows” on page 60
- “Printing with a Macintosh” on page 64

For instructions on using special papers such as EPSON Photo Paper or envelopes, see page 73.

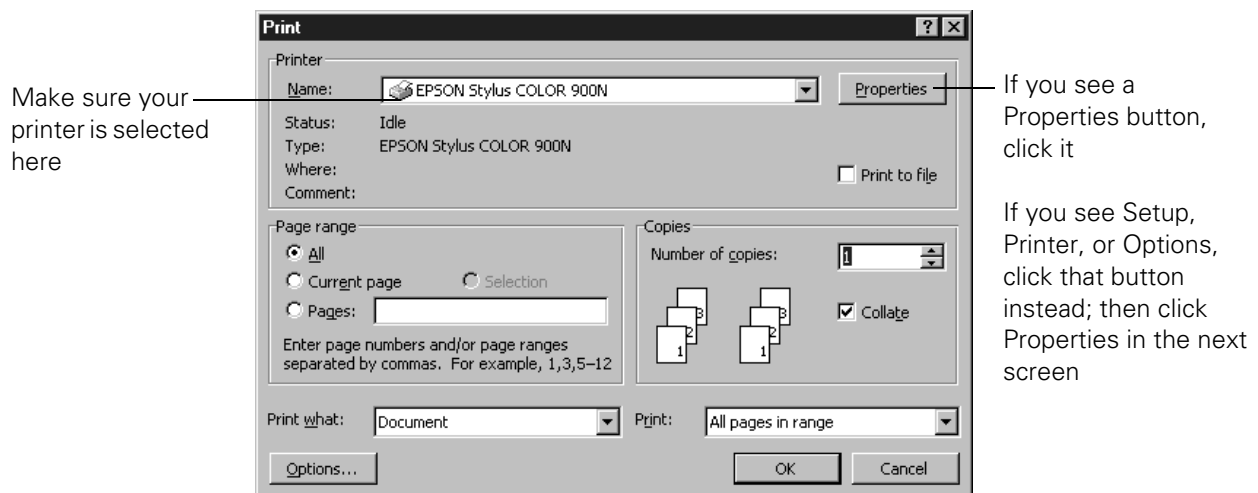
For instructions on customizing your settings to fine-tune your printouts, see “Using Custom Project Types” on page 67 and “Using the Advanced Dialog Box” on page 70.

Printing with Windows

1. Make sure your printer and computer are turned on.
2. Load a stack of plain paper with the printable side up and place it against the right edge guide. Then slide the left edge guide against the paper's left edge, making sure the stack is lower than the arrow on the guide. If you are using letterhead or preprinted paper, be sure the top of the paper feeds into the printer first.



3. Open a Windows application program and select a document to print.
4. Open the File menu and click Print. You see the Print dialog box for your application (the Print dialog box for your application may look slightly different):



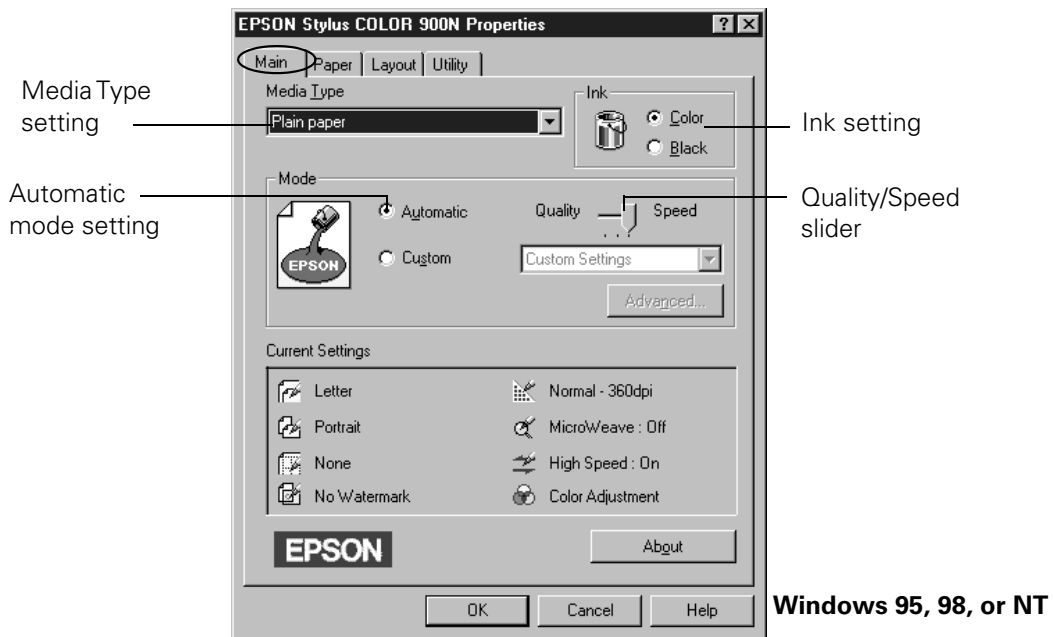
5. Make sure EPSON Stylus COLOR 900N is selected.

- If your application's Print dialog box contains a Properties button, click Properties and go to step 7.

If you see a Setup, Printer, or Options button, click it. Then click Properties on the next screen.

In Windows 3.1, you won't see a Properties button; just click Setup, Printer, or Options until you see the window in step 7.

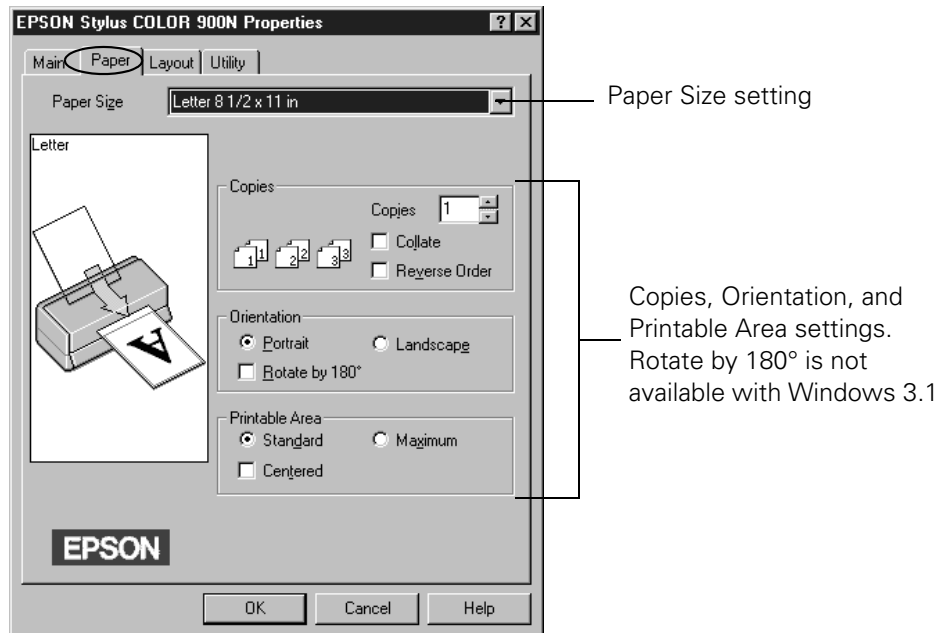
- Now you see the printer settings dialog box. If necessary, click the Main tab to display the settings shown below:



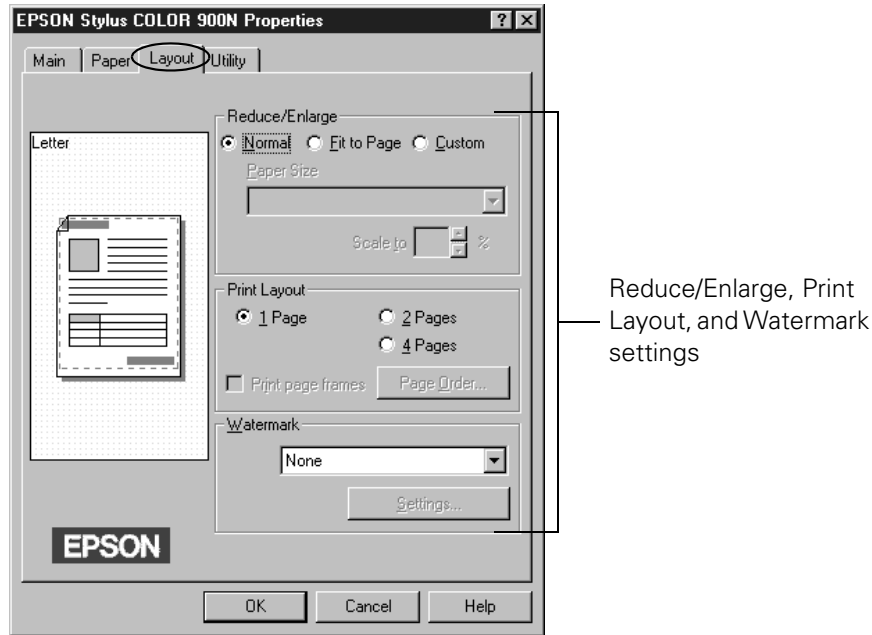
8. Check the following settings:




- Make sure the Media Type is set to Plain paper. (If you load a different type of paper, select the corresponding Media Type for it, as described on page 76. For instructions on loading special paper, see page 73.)
- Make sure Ink is set to Color if you want to print in color.
- Set the Mode option to Automatic. This is the easiest way to get good printing results for all kinds of documents, on all types of paper.
- Move the Quality/Speed slider to the Quality setting. This selects high quality printing for your media. (The slider is not available for some media types. You can use a higher resolution on some papers on the Advanced [More Settings in Windows 3.1] dialog box; see page 70 for instructions.)

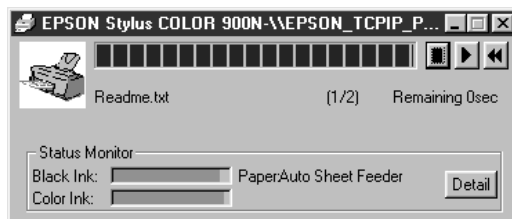
9. Click the Paper tab at the top of the dialog box if you need to change the paper size, number of copies, or page orientation.



- Click the Layout tab (not available with Windows 3.1) if you want to reduce or enlarge your printed image, print multiple pages on one sheet of paper, or add a watermark.



- Click OK until you see the Print dialog box again.
- Click OK to start printing. After a moment, the Progress Meter (Despooler in Windows 3.1) appears and shows the progress of your print job. You can cancel , pause , or restart  your print job as necessary.



Windows 95, 98, NT

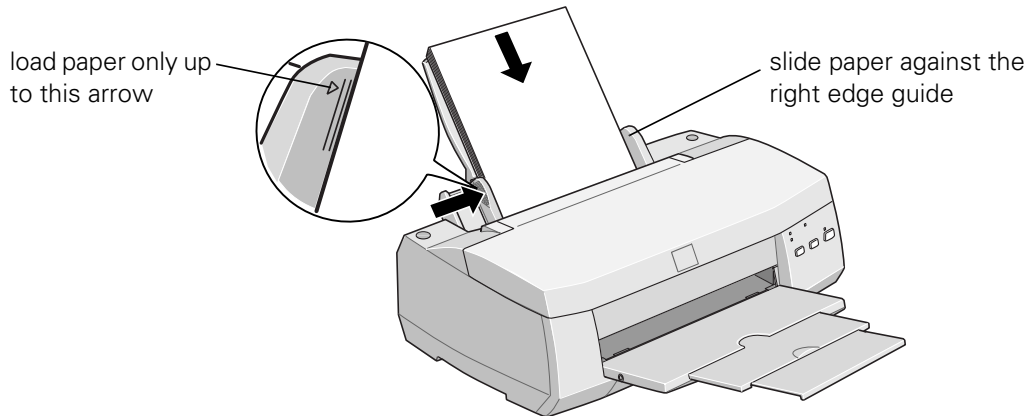


Windows 3.1

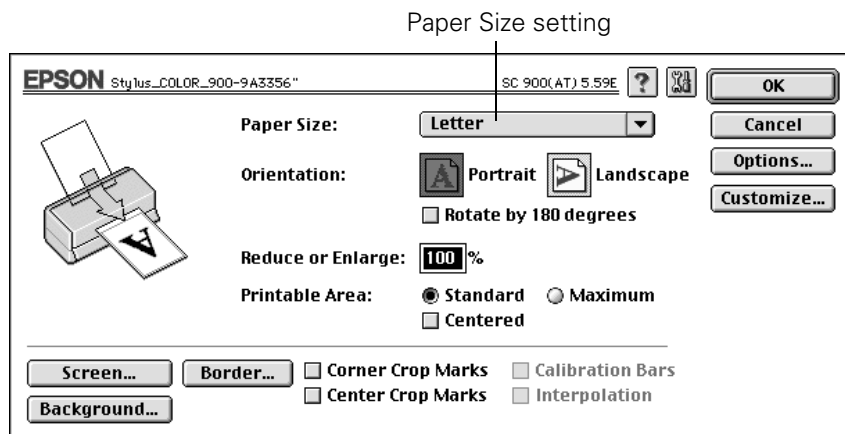
For more information on printing, see the electronic *EPSON Stylus COLOR 900N Manual*. See page 55 for instructions on viewing the manual.

Printing with a Macintosh

1. Make sure your printer and Macintosh are turned on.
2. Load a stack of plain paper with the printable side up and place it against the right edge guide. Then slide the left edge guide against the paper's left edge, making sure the stack is lower than the arrow on the guide. If you are using letterhead or preprinted paper, be sure the top of the paper feeds into the printer first.

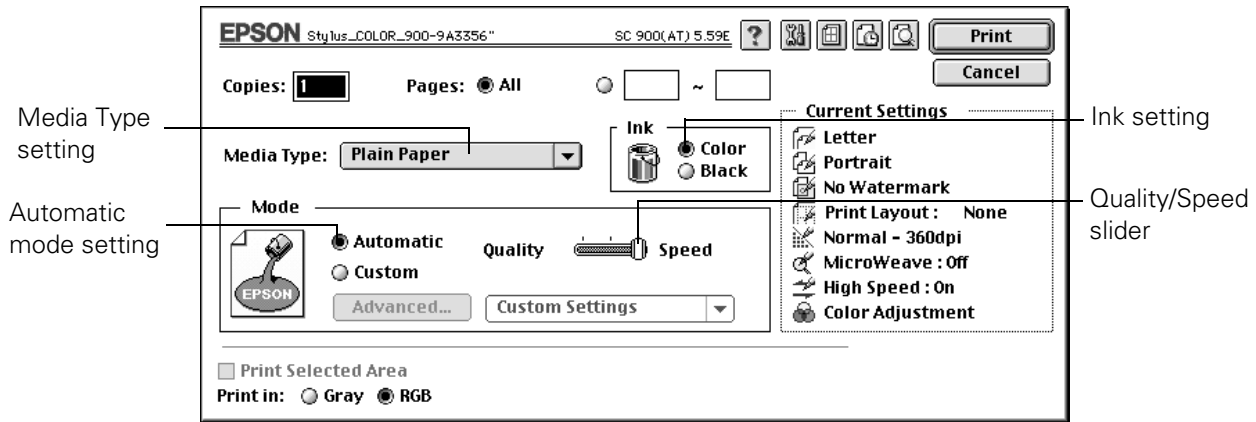


3. Open a Macintosh application program and select a document to print.
4. Open the File menu and choose Page Setup (Document Setup in some applications). You see a Page Setup dialog box like this:




5. Choose your paper size, page orientation, and printable area settings. Then click OK.

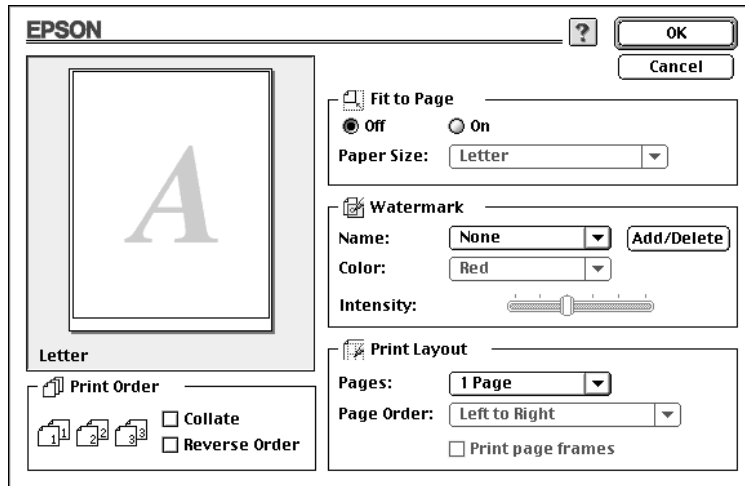
6. Now open the File menu and choose Print. You see the main printer settings dialog box:





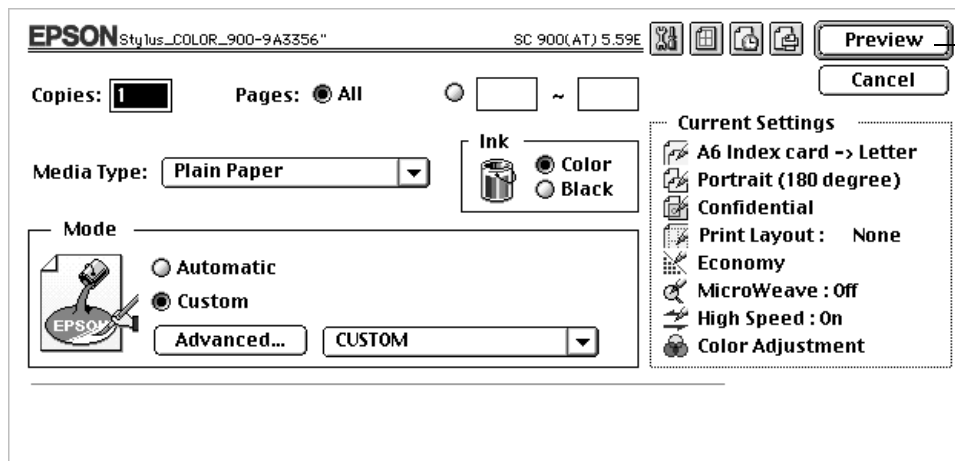
7. Check the following settings:

- Make sure the Media Type is set to Plain Paper. (If you load a different type of paper, select a corresponding Media Type for it, as described on page 76. For instructions on loading special paper, see page 73.)
- Make sure Ink is set to Color if you want to print in color.
- Set the Mode option to Automatic. This is the easiest way to get good printing results for all kinds of documents, on all types of paper.
- Move the Quality/Speed slider to the Quality setting. This selects high quality printing for your media. (The slider is not available for some media types. You can use a higher resolution on some papers on the Advanced dialog box; see page 70 for instructions.)

8. Click the  Layout icon if you want to reduce or enlarge your printed image, print multiple pages on one sheet of paper, or add a watermark.






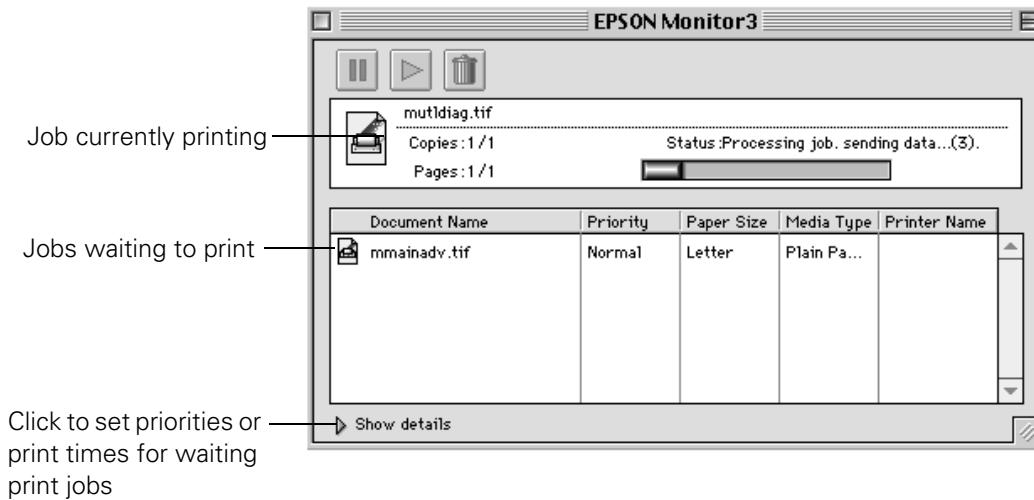
9. Click the  Background Printing icon if you want to prioritize or schedule your print job for printing.
10. Click the  Preview icon, then click the Preview button that appears, if you want to preview how your layout and other settings will look.



The Print button changes to the Preview button

11. Click Print to start printing.

If you turned on background printing, you see the EPSON Monitor3 dialog box to show you the print job's progress. You can cancel , pause , or restart  your print jobs as necessary.



For more information on printing, see the electronic *EPSON Stylus COLOR 900N Manual*. See page 55 for instructions on viewing the manual.

Using Custom Project Types

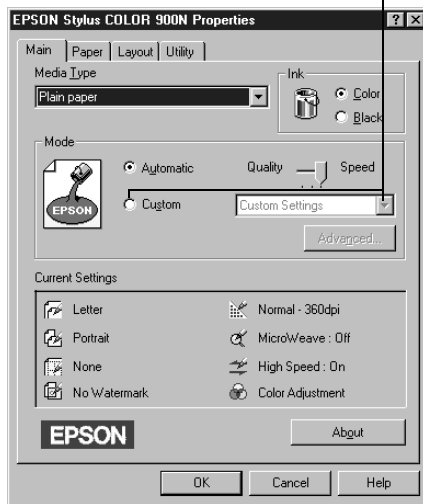
Your EPSON Stylus COLOR 900N printer software includes custom project types with preset options for printing specific types of documents or images—such as photographs, graphics, text, and drafts. These custom project types let you quickly select the best settings for your particular type of document and paper. Some project types may not be available, depending on your operating system and the Media Type and Ink settings you choose.

You can also make detailed settings on the Advanced dialog box to fit your individual needs, as described on page 70.

Follow these steps to print with custom project types:

1. Create your image or document in your application software.
2. Access the printer settings dialog box as described in “Printing with Windows” on page 60 or “Printing with a Macintosh” on page 64.
3. Choose the Media Type you want to print on. (If you’re not sure which setting to choose, see “Selecting the Correct Media Type” on page 76.)
4. Choose Color or Black ink.
5. Click Custom (in Windows 3.1, click Advanced), and then click Custom Settings. You see the list of project types.

Click **Custom**, then click here to see a list of project types



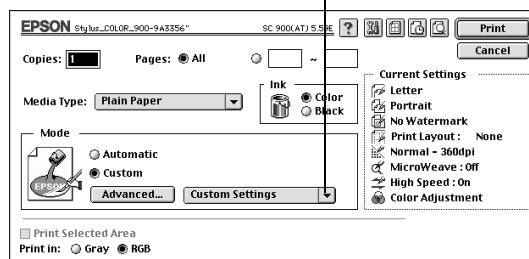
Windows 95, 98, NT

Click **Advanced**, then click here to see a list of project types

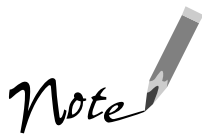


Windows 3.1

Click **Custom**, then click here to see a list of project types



Macintosh



Always choose your Media Type and Ink setting before you select a custom project type. Some project types may not be available with the Media Type or Ink settings you choose.

Printing with PhotoEnhance3 or PhotoEnhance™ may take longer on some systems and images.

6. Choose the right setting for your project and Media Type following these guidelines:
 - PhotoEnhance3 (Windows 95, 98, NT, or Macintosh) or PhotoEnhance (Windows 3.1): For printing images captured using a video camera, scanner, or digital camera. Produces sharper images and more vivid colors by automatically adjusting the contrast, saturation, and brightness.
 - Digital Camera (not available with Windows 3.1): For printing images captured using a scanner or digital camera.
 - Text/Graph: For printing graphics-intensive documents like presentations with charts and graphs.
 - Economy: For printing rough drafts of text on plain paper. Saves ink.
 - ICM (Image Color Matching; Windows 95 and Windows 98 only): For printing documents created in an ICM compatible application.
 - sRGB (Standard Red Green Blue; not available with Windows 3.1; recommended only with Windows 98): For printing documents created in an sRGB compatible application using sRGB colors, such as those designed for the World Wide Web. See your Windows 98 online help for details.
 - ColorSync (Macintosh only): Automatically adjusts printout colors to closely match the colors on your screen.
7. In Windows, click the Paper and Layout tabs (not available on Windows 3.1) to check or change any necessary settings.

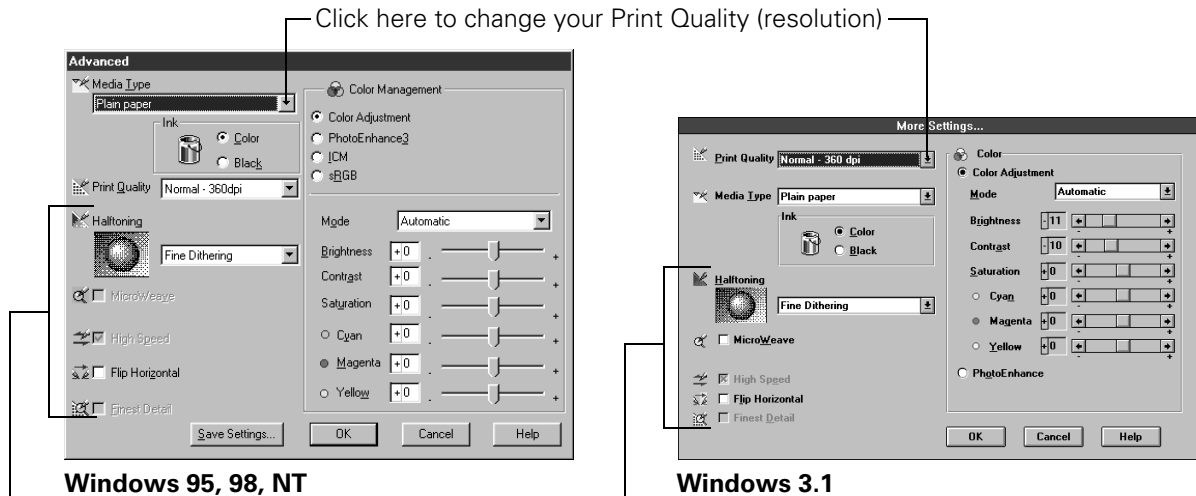
On a Macintosh, check or change any necessary settings on the Page Setup and the Layout dialog boxes.

8. When you're finished, click OK (Windows), then click any other buttons your application uses for printing or click Print (Macintosh).

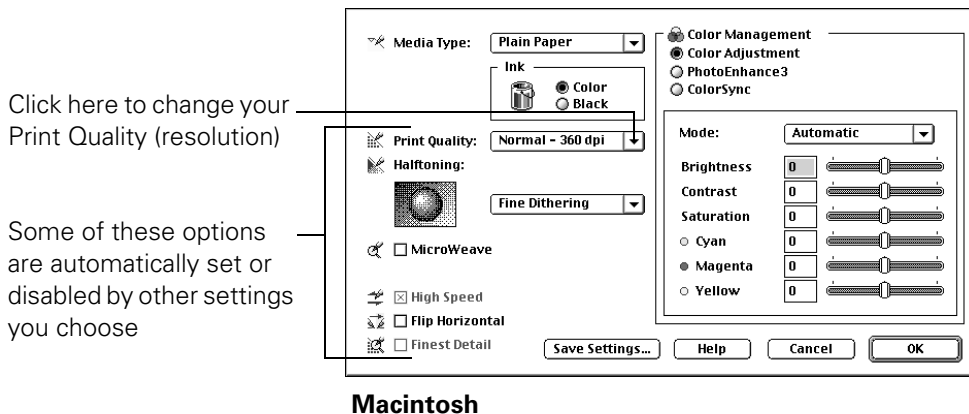
Using the Advanced Dialog Box

For maximum control over your project, you can customize your print settings and special effects. You can even save your custom settings as a group so you can use them whenever you print a similar project. For more information, see your electronic *EPSON Stylus COLOR 900N Manual*.

1. Create your image or document in your application software. Then access the printer settings dialog box as described in “Printing with Windows” on page 60 or “Printing with a Macintosh” on page 64.
2. Click Custom, and then click the Advanced button. (In Windows 3.1, click Advanced, then click the More Settings button.) You see the Advanced dialog box (called More Settings in Windows 3.1):



Some of these options are automatically set or disabled by other settings you choose



3. Choose the Media Type and Ink settings you want to use. These settings are the same as the ones you selected on the main printer settings dialog box. You can change them here as you customize your settings, if needed.



The available Print Quality settings may be limited by the Media Type you choose.

4. Choose one of the following Print Quality options:
 - Economy: For low-resolution rough drafts on plain paper. Saves ink.
 - Normal - 360 dpi: For most documents on plain paper, transparencies, or 360 dpi Ink Jet Paper.
 - Fine - 360 dpi: For high-speed, high-quality output.
 - Photo - 720 dpi: For excellent high-resolution output.
 - Photo - 1440 dpi: For the highest-resolution output.
5. Choose one of the following Halftoning options:
 - No Halftoning: Select when printing black text only.
 - Error Diffusion: For printing photographic images. Blends each color dot with the dots around it.
 - Fine Dithering: For printing graphs or other images that require precise, solid areas of bright colors.
6. Choose any of the following print options:
 - MicroWeave: This option is automatically selected or disabled by the Print Quality you choose and is not user selectable. MicroWeave prints in finer increments to eliminate unwanted banding (light horizontal lines).
 - High Speed: For fast, bidirectional printing.
 - Flip Horizontal: For printing a mirror image of your document. Use with iron-on transfer paper so your ironed-on printout will read correctly.
 - Finest Detail: For printing text, graphics, and line art with very sharp edges. Slows print speed and requires additional memory.

7. Select a color management system (the availability depends on your operating system):
 - Color Adjustment mode lets you choose just the level of adjustment you need, from Automatic mode to No Color Adjustment (for using other color management software). You can then individually adjust the levels of Brightness, Contrast, and Saturation in your image, and increase or decrease the amount of Cyan, Magenta, and Yellow inks used to print your image.
 - PhotoEnhance3 (Windows 95, 98, NT, or Macintosh) or PhotoEnhance (Windows 3.1): For printing images captured using a video camera, scanner, or digital camera. Use the example photograph on the screen to help you adjust the Tone of your photo or correct common digital image flaws using Digital Camera Correction mode and the Sharpness button.
 - ICM (Image Color Matching; Windows 95 and Windows 98 only) For printing documents created in an ICM compatible application.
 - sRGB (Standard Red Green Blue; not available with Windows 3.1; recommended only with Windows 98): For printing documents created in an sRGB compatible application using sRGB colors, such as those designed for the World Wide Web. See your Windows 98 online help for details.
 - ColorSync (Macintosh only): Automatically adjusts printout colors to closely match the colors on your screen.



After you customize your print settings for a special project, you can save them as a group. Then you can reuse them whenever you print a similar project. Click Save Settings in the Advanced dialog box. Type a name for your setting group and click OK. (In Windows 3.1, Save Settings is on the main printer settings dialog box.)

8. Select any other settings you need to change in the printer software.
9. Click OK (Windows), then click any other buttons that your application uses for printing or click Print (Macintosh).

For complete instructions on using all your printer software's settings, see your electronic *EPSON Stylus COLOR 900N Manual*.

Using Special Papers

How can you get the best-looking photos, most vivid colors, and sharpest text? Always use EPSON's special ink jet papers. To show you how much difference EPSON paper can make, we've included some free samples.

Check out the EPSON Photo Paper Pack that came with your printer. Then follow the instructions below to print your favorite photos and documents on EPSON paper.

For a list of EPSON special ink jet papers and ordering information, see the inside back cover. For complete instructions on using all EPSON special ink jet papers, see your electronic *EPSON Stylus COLOR 900N Manual*.



EPSON Photo Paper

Your EPSON Photo Paper Pack includes letter-size and 4 × 6-inch Photo Paper. You can use EPSON Photo Paper to print photographs that look almost as good as the ones you get from film processing. EPSON 4 × 6-inch Photo Paper is micro-perforated around the edges so you can trim your printouts and “bleed” the photo—extend it to the edge of the paper—on all sides. Photo Paper is also available in A4 (8.3 × 11.7 inches) and Panoramic (8.27 × 23.4 inches) sizes.

Keep the following in mind when using EPSON Photo Paper:

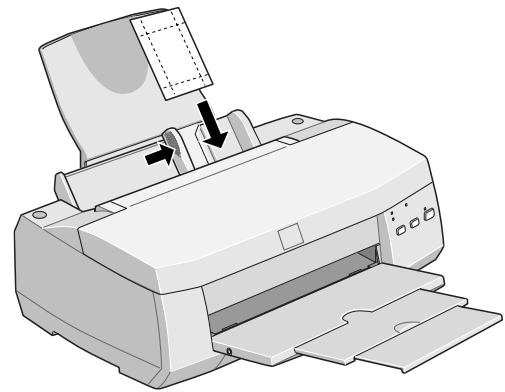
- Always load the paper with the whiter (glossier) side facing up.
- Load up to 20 sheets of 4 × 6-inch, letter-size, or A4-size Photo Paper or 1 sheet of Panoramic paper. Use a support sheet if it is included in the paper package.
- To keep your printouts looking their best, store them in a resealable plastic bag or other airtight covering and protect them from heat, humidity, and direct sunlight. Return unused paper to the original package as soon as you finish printing.

If you're using letter-size Photo Paper, follow the instructions in “Printing with Windows” on page 60 or “Printing with a Macintosh” on page 64 to load and print on the paper. Be sure to select Photo Paper as the Media Type setting.

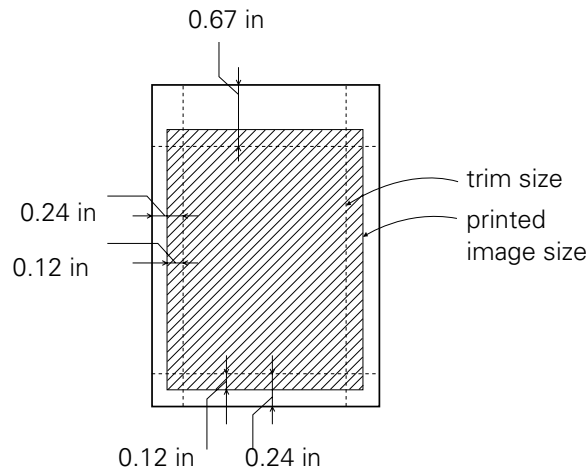
If you're using 4 × 6-inch Photo Paper, follow these steps:

1. Load the paper against the right edge guide with the glossy side facing up and the perforated margins positioned as shown:

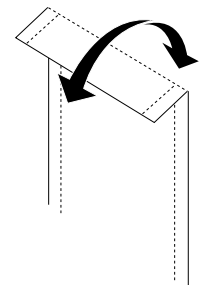
You can load up to 20 sheets of 4 × 6-inch Photo Paper at a time. Make sure you place the included support sheets A and B beneath the stack, but don't print on them.



2. Slide the left edge guide against the left edge of the paper.
3. When you create the image in your application software, size it to 4.25 × 6.25 inches. You can also use your printer software's Reduce/Enlarge settings, as described in your *EPSON Stylus COLOR 900N Manual*.



4. Choose Photo Paper as the Media Type setting.
5. Choose Photo Paper 4 × 6 in as the Paper Size setting and Maximum as the Printable Area setting.
6. After you print your picture, fold the paper back and forth along the perforations and carefully tear the margins off.



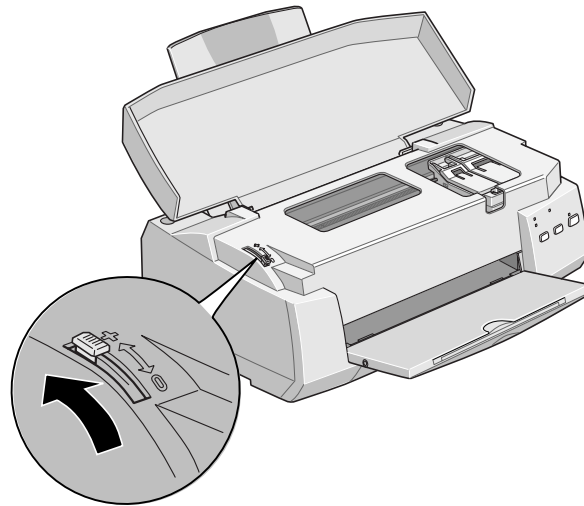
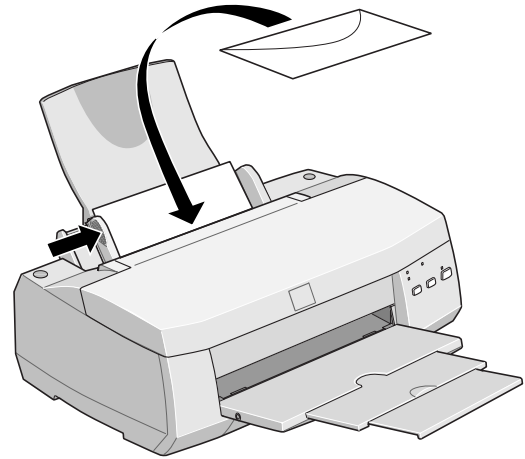
Envelopes

You can load up to 10 envelopes at a time. Load the envelope flap edge first and printable side up. Place it against the right edge guide and adjust the left edge guide as shown here.

You may get better results if you press each envelope flat before loading it, or try loading one envelope at a time.

Select Plain paper as the Media Type and choose the correct envelope size as the Paper Size setting in the printer software.

Set the thickness lever to the **+** position when you print on envelopes or other thick media, as shown here. (Make sure you return the lever to the **0** position before you print on regular media.)



Selecting the Correct Media Type

When you print on special media, you need to be careful about choosing the correct Media Type setting in your printer software. Check the table below if you're not sure which setting to choose. For details on loading special media, see your electronic *EPSON Stylus COLOR 900N Manual*.

For this media name . . .	Select this Media Type setting . . .
Plain paper sheets or envelopes	Plain paper
EPSON 360 dpi Ink Jet Paper EPSON Iron-On Cool Peel Transfer Paper	360 dpi Ink Jet Paper
EPSON High Quality Ink Jet Paper EPSON Photo Quality Ink Jet Paper EPSON Photo Quality Ink Jet Cards EPSON Photo Quality Self Adhesive Sheets	Photo Quality Ink Jet Paper
EPSON Photo Paper	Photo Paper
EPSON Photo Quality Glossy Film EPSON Photo Stickers	Photo Quality Glossy Film
EPSON Ink Jet Transparencies	Ink Jet Transparencies



If you use special paper that comes with a cleaning sheet, don't use the cleaning sheet with your printer; it may jam inside the printer.

Maintaining Your Printer

This section describes the most common maintenance procedures you'll need to perform to keep your printer working at its best and to prepare it for moving. Just follow the instructions in this chapter for:

- Cleaning the print head
- Replacing an ink cartridge
- Aligning the print head
- Transporting the printer

For more details, see your electronic *EPSON Stylus COLOR 900N Manual* as described on page 55.

Cleaning the Print Head

If your printed image is unexpectedly light or faint, or dots are missing from the image, you may need to clean the print head. This unclogs the nozzles so they can deliver ink properly.

Cleaning the print head uses ink, so clean it only if print quality declines. You can clean the print head in either of the following ways:

- Using the Head Cleaning utility in your printer software (when the printer is connected to a local port, not over a network), as described on page 78
- Using the printer's control panel buttons, as described on page 79





Always wait until your document has finished printing before cleaning the print head.




If you use special paper that comes with a cleaning sheet, don't use the cleaning sheet with your printer; it may jam inside the printer.


Using the Head Cleaning Utility

Follow these steps to run the Head Cleaning utility:

1. Make sure the printer is turned on but not printing, and both the  black and  color ink out lights are off.
2. Access the printer settings dialog box as described in “Printing with Windows” on page 60 or “Printing with a Macintosh” on page 64.
3. Click the Utility tab (Windows) or the  Utility icon (Macintosh).
4. On the Utility menu, click the Head Cleaning icon.
5. Follow the instructions on the screen to clean the print head. Cleaning takes a little over a minute, during which the printer makes some noise and the  power light flashes.



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

6. When the  power light stops flashing, run a nozzle check to test the results and reset the cleaning cycle.





Make sure paper is loaded in the printer and click Print nozzle check pattern (Windows) or Confirmation (Macintosh). Then click Next. The nozzle check pattern prints; see “Examining the Nozzle Check Pattern” on page 80 for details.

7. If the nozzle check pattern is filled in completely, click Finish.


If the pattern is missing dots, click Clean to clean the print head again. If you don't see any improvement after cleaning two or three times, check the solutions in “Problems Getting Good Print Quality” on page 93.


Using the Control Panel

Follow these steps to clean the print head using the control panel:

1. Make sure the printer is turned on but not printing, and both the  black and  color ink out lights are off.
2. Press the  cleaning button and hold it down for three seconds. Cleaning takes a little over a minute, during which the printer makes some noise and the  power light flashes.




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

3. After the  power light stops flashing, print a page to test the print quality and reset the cleaning cycle.

If you're using Windows or Macintosh, run a nozzle check. Go to step 4.

If you're using DOS, open an application and print a document containing black and color data. Then go to step 8.

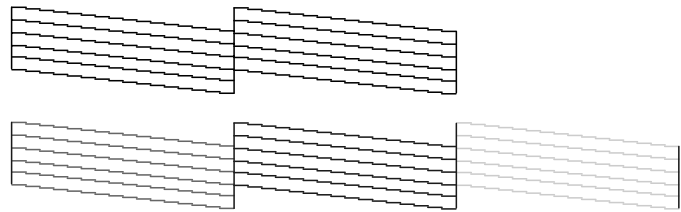
4. Start an application, open a document, and access the printer settings dialog box as described in "Printing with Windows" on page 60 or "Printing with a Macintosh" on page 64.
5. Click the Utility tab (Windows) or the  Utility icon (Macintosh). You see the Utility menu.
6. Make sure paper is loaded in the printer, click the Nozzle Check icon, and click Next. The nozzle check pattern prints on the printer; see "Examining the Nozzle Check Pattern" on page 80 for details.
7. If the nozzle check pattern is filled in completely, click Finish.

If the pattern is missing dots, click Clean to clean the print head again.

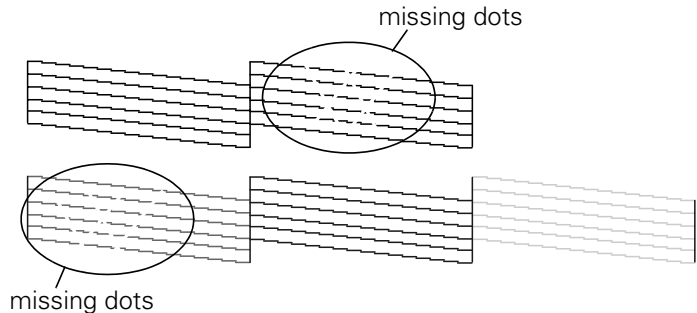
8. If you don't see any improvement after cleaning two or three times, check the solutions in "Problems Getting Good Print Quality" on page 93.

Examining the Nozzle Check Pattern



Examine the nozzle check pattern you print. It should look something like this:



Each staggered horizontal and straight vertical line should be complete, with no gaps in the dot pattern. If your printout looks okay, you're done. If any dots are missing, as shown to the right, clean the print head again; see page 77 for instructions.



Replacing an Ink Cartridge

When the  black or  color ink out light flashes, the indicated cartridge is low on ink. This is a good time to make sure you have a new cartridge. When the light stays on, the cartridge is empty and you need to replace it. You cannot print if either ink cartridge is empty.

You can also check your ink levels using the EPSON status monitor (not available for Windows 3.1). See your electronic *EPSON Stylus COLOR 900N Manual* for details.

Use these EPSON ink cartridges within six months of installing them and before the expiration date on the package:

- Black ink cartridge T003011
- Color ink cartridge T005011





To ensure good results, use genuine EPSON ink cartridges and do not refill them. Other products may cause damage to your printer not covered by EPSON's warranty.

When you need new ink cartridges, contact your dealer or call EPSON Accessories at (800) 873-7766 or visit our web site at www.epsonsupplies.com (U.S. sales only). In Canada, please call (800) 873-7766 for dealer referral.

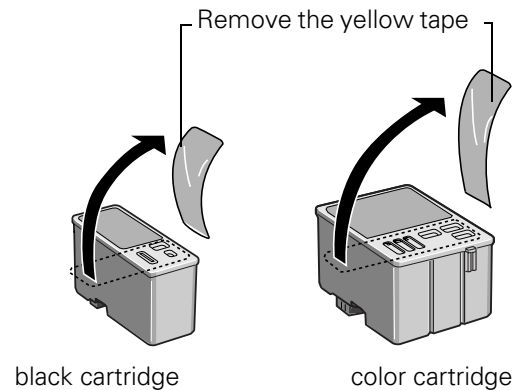
If you need to replace an ink cartridge before the lights flash (because the ink is too old, for example) follow the instructions in “Replacing an Outdated Ink Cartridge” on page 83.

Removing and Installing Ink Cartridges



You can replace a cartridge when the  black or  color ink out light is either flashing or on. (If you perform these steps when both ink out lights are off, the printer cleans the print heads as described on page 77.)

Follow these steps to replace ink cartridges:

1. Remove the new ink cartridge from its packaging.
2. Remove *only* the yellow part of the tape seal on top as shown to the right. Don't pull off the blue portion or try to remove the clear seal underneath the cartridge.



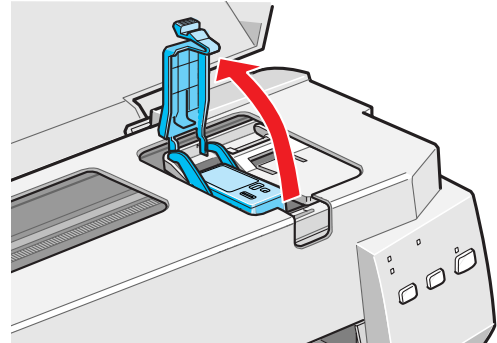
You must remove the yellow tape from the top of the cartridge or you will permanently damage it. Do not remove the clear seal from the bottom of the cartridge; ink will leak.

3. Make sure the printer is turned on and not printing, then open the printer cover.
4. Press the  cleaning button and hold it for about three seconds until the print head moves left and the  power light begins flashing. The print head moves to the black or color cartridge replacement position, depending on which ink cartridge is empty.




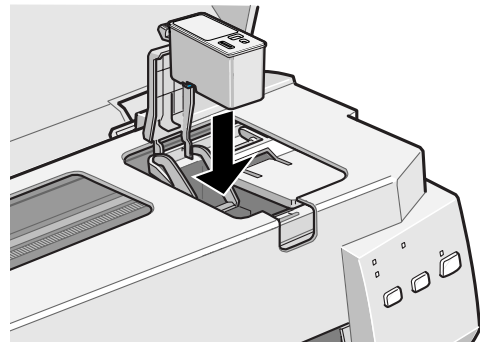
To avoid damaging the printer, never move the print head by hand. Don't open the clamp or remove a cartridge except to replace it with a new one. Once you remove a cartridge, you can't reuse it, even if it contains ink.



5. Pull up the ink cartridge clamp. The cartridge rises up from its holder.
6. Lift the cartridge out of the printer and dispose of it carefully.

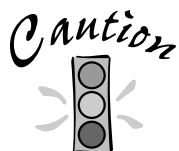



If ink gets on your hands, wash them thoroughly with soap and water. If ink gets into your eyes, flush them immediately with water.

7. Lower the new ink cartridge into its holder with the label facing up and toward the back of the printer.
8. Press down the ink cartridge clamp until it locks in place.
9. If you need to replace the other ink cartridge, repeat steps 4 through 8 before continuing with step 10.
10. Press the  cleaning button and close the printer cover. The printer moves the print head and begins charging the ink delivery system.



The  power light flashes, and the printer makes various sounds. Charging takes about one minute. When it's finished, the  power light stops flashing and stays on.



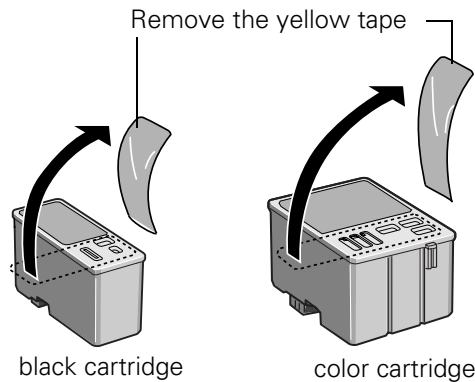
Never turn off the printer while the  power light is flashing, unless the printer hasn't moved or made noise for more than 5 minutes.

Replacing an Outdated Ink Cartridge




If an ink cartridge is more than six months old, you may need to replace it. How can you tell? You may notice that your printouts don't look as good as they used to. If print quality doesn't improve after cleaning and aligning the print head, you can replace one or both cartridges.

Follow these steps to replace an ink cartridge *before* the  black or  color ink out light is flashing or on:

1. Remove the new ink cartridge from its packaging.
2. Remove only the yellow part of the tape seal on top as shown below. Don't pull off the blue portion or try to remove the clear seal underneath the cartridge.



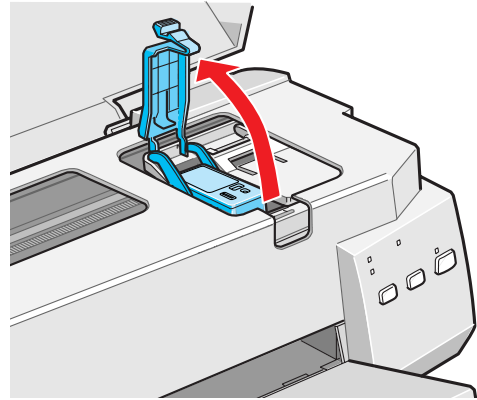
You must remove the yellow tape from the top of the cartridge or you will permanently damage it. Do not remove the clear seal from the bottom of the cartridge; ink will leak.

3. Make sure the printer is turned on and not printing, then open the printer cover.
4. Press the  load/eject button and hold it down for three seconds until the print head moves to the left to the black ink cartridge replacement position and the  power light begins flashing.
5. If you need to replace only the color ink cartridge, press the  load/eject button again until the print head moves to the color ink cartridge replacement position.





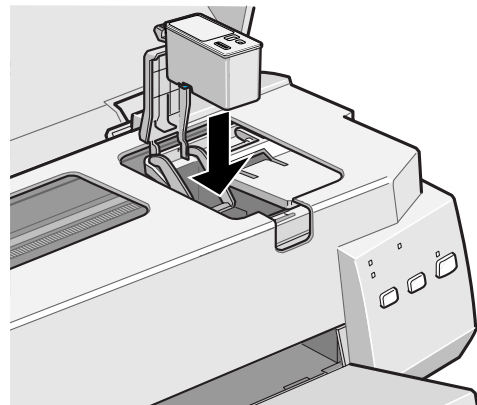
To avoid damaging the printer, never move the print head by hand. Don't open the clamp or remove a cartridge except to replace it with a new one. Once you remove a cartridge, you can't reuse it, even if it contains ink.


- Pull up the ink cartridge clamp. The cartridge rises up from its holder.
- Lift the cartridge out of the printer and dispose of it carefully.




If ink gets on your hands, wash them thoroughly with soap and water. If ink gets into your eyes, flush them immediately with water.


- Lower the new ink cartridge into its holder with the label facing up and toward the back of the printer.
- Press down the ink cartridge clamp until it locks in place.
- Press the  load/eject button. The print head moves to the color ink cartridge replacement position. If you need to replace the color ink cartridge, repeat steps 6 through 9. Then continue with step 11.
- Press the  load/eject button again and close the printer cover.



The printer moves the print head and begins charging the ink delivery system. The  power light flashes and the printer makes various sounds.

Charging takes about one minute. When it's finished, the  power light stops flashing and stays on.



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

Aligning the Print Head

If your printouts contain misaligned vertical lines, you may need to align the print head.

If you are using DOS, follow the instructions in your electronic *EPSON Stylus COLOR 900N Manual* instead.


Follow these steps:

1. Make sure the printer is turned on and letter-size paper is loaded.



Load paper that's at least 8.27 inches (210 mm) wide. This prevents ink from spraying inside the printer and smudging your printouts.

For the best results, load EPSON ink jet paper in the printer whenever you check the print head alignment.

2. Access the printer settings dialog box as described on page 61 (Windows) or page 65 (Macintosh).
3. Click the Utility tab (Windows) or the  Utility icon (Macintosh). You see the Utility menu.
4. Click the Print Head Alignment icon.
5. Follow the instructions on the screen to print a test page and select the correct alignment.

Cleaning the Printer

To keep your printer working at its best, you should clean it several times a year. Follow these steps:

1. Turn off the printer, unplug the power cord, and disconnect the network cable.
2. Remove all the paper from the sheet feeder.
3. Clean the exterior of the printer with a soft, damp cloth.
4. Clean ink out of the printer's interior with a soft, damp cloth.



Don't touch the gears inside the printer.

Never use alcohol or thinner for cleaning; they can damage the printer components and case.

Don't use a hard or abrasive brush.

Don't get water on the printer components and don't spray lubricants or oils inside the printer.

Don't use any cleaning sheets included with special media; they may jam inside the printer.

Transporting the Printer

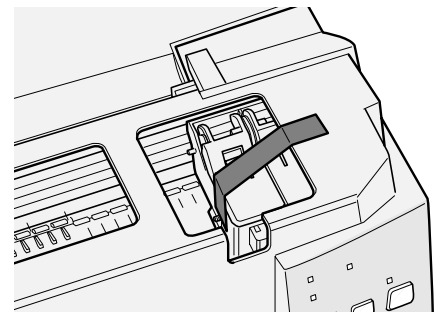
If you move your printer some distance, you need to prepare it for transportation in its original box. Follow these steps:



To avoid damage, always leave the ink cartridges installed when transporting the printer.

Be sure to remove the tape used in step 4 after installing the printer in its new location.

1. Turn on the printer and wait until the print head locks in the far right position. Then turn off the printer.
2. Unplug the power cord from the electrical outlet. Then disconnect the network cable from the printer.
3. Remove any paper from the printer and remove the paper support.
4. Open the printer cover. Secure the ink cartridge holder to the printer with tape as shown, then close the printer cover.
5. Push in the output tray extensions and close the tray.
6. Repack the printer and attachments in the original box using the protective materials that came with it. See the unpacking sheet that was packed with your printer.



Be sure to keep the printer level as you transport it. If you notice a decline in print quality after transporting the printer, clean the print head (see page 77); if output is misaligned, align the print head (see page 85).

Problem Solving

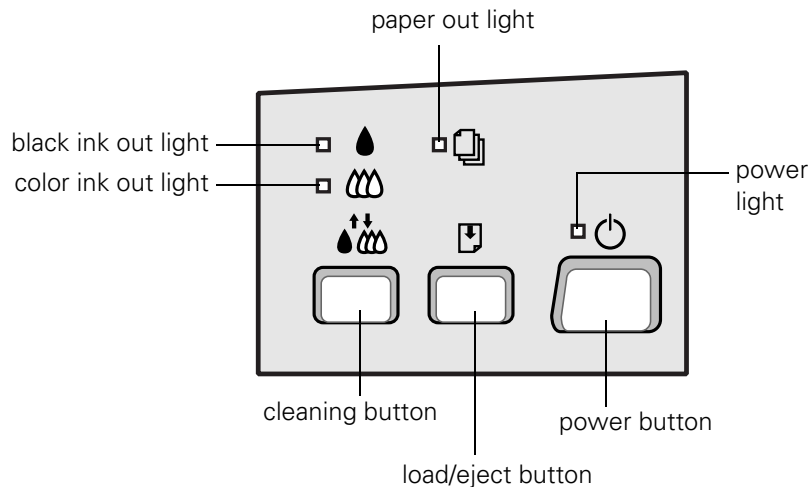
This section gives you the basics for diagnosing and solving printer problems. First see “Diagnosing Printer Problems” below to help determine what the cause of the problem may be. Then see “Problems and Solutions” on page 92 for solutions to common setup and software problems.

There are additional problem solving tips in the “Troubleshooting” section of your electronic *EPSON Stylus COLOR 900N Manual*. If none of the suggested solutions solve your problem, contact your EPSON dealer or see “Where To Get Help” on page 100.




























Diagnosing Printer Problems

You can diagnose some problems by checking the printer’s control panel lights, as described below. It may also be helpful to try running a printer check; see page 91 for instructions.

Checking the Control Panel Lights



Follow these guidelines when the control panel lights come on or flash:

 is on	<p>The  power light is on when the printer is on and ready to print. It flashes when the printer is receiving a print job or performing a maintenance operation, such as cleaning the print head.</p>
 flashes	<p>When the  paper out light flashes, you have a paper jam. Turn off the printer and gently pull out all paper. Make sure none of the sheets are curled, creased, old, stuck together, or too thin. Then reload the stack against the right edge guide and slide the left edge guide over to the paper's left edge. Then turn the printer on.</p>
 is on	<p>When the  paper out light comes on, your paper is out or incorrectly loaded. Make sure none of the sheets are curled, creased, old, stuck together, or too thin. Then reload the stack against the right edge guide and slide the left edge guide over to the paper's left edge. Press the  load/eject button to resume printing.</p>
 or  flash	<p>When an ink out light flashes, your ink supply is low. Make sure you have a replacement cartridge.</p>
 or  are on	<p>When an ink out light comes on, you need to replace the ink cartridge. See page 80 for instructions.</p>
 and  flash, and  and  are on	<p>When the  power and  paper out lights flash and the  black and  color ink out lights come on, jammed paper may be blocking movement of the print head. Turn off the printer, wait a few seconds, and turn it back on. If no paper ejects, turn off the printer, remove the jammed paper, and turn it on again. If the lights still flash or stay on, contact your dealer or EPSON; see page 100 for contact information.</p>
    flash	<p>When all the lights flash, your printer may have an internal error. Make sure you removed all the packing material as described on the unpacking sheet in your printer box. Then turn off the printer, wait a few seconds, and turn it on again. If the lights still flash or stay on, contact your dealer or EPSON; see page 100 for contact information.</p>
    are off	<p>When all the lights are off, the printer is not receiving power. Try these solutions:</p> <ul style="list-style-type: none"> ■ Make sure the printer is turned on. ■ Turn off the printer, plug in the power cord securely, and turn on the printer again. ■ Make sure the outlet is not controlled by a switch or timer and is operable.





Running a Printer Check

You can run a printer check to determine whether the problem comes from the printer itself or some other source. Follow these steps to run the printer check:

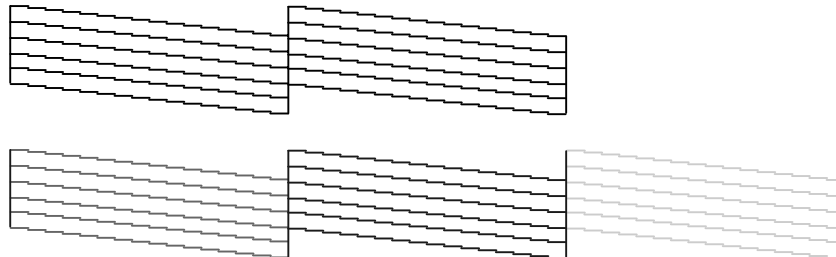
1. Make sure both the printer and computer are turned off.
2. Disconnect the interface cable from the printer.
3. Make sure paper is loaded in the printer.



Load paper that's at least 8.27 inches (210 mm) wide. This prevents ink from spraying inside the printer and smudging your printouts.

4. Hold down the  load/eject button, then press and release the  power button. Continue holding down the  load/eject button until the  power light starts to flash, then release it.

The printer prints one page showing its ROM version number, ink counter, and a nozzle check pattern. Only the nozzle check pattern is shown below.



5. To end the check, turn off the printer after it prints the check page. Then reconnect the interface cable and turn on your printer and computer.
 - If the results are satisfactory, the problem lies in your software settings, the interface cable, or your computer.
 - If the check page does not print correctly, you may have a problem with your printer. First try cleaning the print head (see page 77). Then try the suggestions in “Problems and Solutions” on page 92 for more information.




Problems and Solutions

Here are some basic troubleshooting tips if you have any problems setting up your printer, installing software, or getting good print quality.

Problems Setting Up the Printer or Installing Its Software

If you installed the ink cartridges and the printer started making noise . . .

- The first time you install ink cartridges, the printer must charge its ink delivery system for a couple minutes. Please wait until charging is finished (the  power light stops flashing) before you turn off the printer. If you turn off the printer while it is charging, it will begin charging again the next time you turn on the printer and use more ink than necessary.
- Make sure the ink cartridge clamps are locked down completely and that no packing material remains in the printer.

If your printer makes noise when you turn it on or after it has been sitting for a while . . .

Your printer is performing routine maintenance.

If you're having problems installing the printer software . . .

- Carefully follow the instructions for installing the printer software on page 49 or page 110.
- Make sure your printer is turned on and the network cable is securely connected to the printer and hub.
- Make sure you've closed all other applications, including any screen savers. Then try installing the software again.

If your printer icon doesn't appear in the Chooser (Macintosh) . . .

- Your Macintosh has extension conflicts. Disable Quick Draw GX in the Extensions Manager. Make sure AppleTalk and SC 900 (AT) are enabled, and then restart your Macintosh. Also, make sure your AppleTalk connection is set to Ethernet.
- You may have too many items in the Chooser. Delete any unused items and check the Chooser again.

If you can't see the ink level gauge when you print in Windows . . .

Make sure you installed both parts of Status Monitor 2. If you didn't, uninstall your printer driver and Status Monitor 2, as described on page 97. Then, see page 23 to install Status Monitor 2. After that, re-install your printer driver, following the instructions on page 49. Once you've installed Status Monitor 2, make sure background monitoring is turned on. See your electronic *EPSON Stylus COLOR 900N Manual* for details on Status Monitor 2. (Status Monitor 2 is not available for Windows 3.1.)

Problems Getting Good Print Quality



If you see horizontal banding . . .

- Make sure the print head nozzles are not clogged. To clean the print head, see page 77.

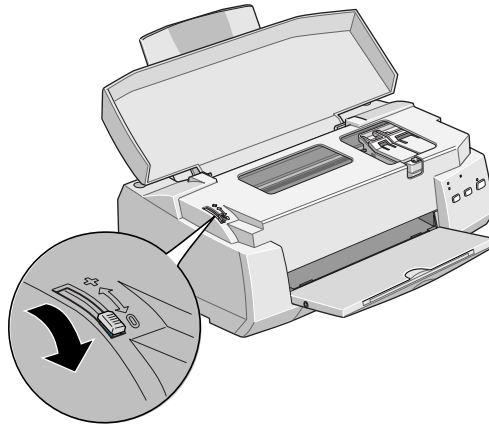
- Make sure the Media Type setting matches the paper you loaded. See page 76 for guidelines.
- Make sure the printable side of the paper is face up. It is usually the whiter or shinier side of ink jet paper.
- Make sure the ink cartridges aren't low on ink. If either ink out light is flashing, replace the ink cartridge; see page 80. If your ink cartridge is more than six months old, you may need to replace it; see page 83.
- Try using Automatic mode. See page 62 (Windows) or page 65 (Macintosh) for instructions.
- Make sure the paper thickness lever is in the **0** position, as shown to the right. Set the thickness lever to the **+** position when you print on thicker paper or envelopes.



If you see vertical banding . . .

- Make sure the print head nozzles are not clogged. To clean the print head, see page 77.
- Run the Print Head Alignment utility. See page 85 for instructions.
- Check the paper thickness lever position. If it's in the **+** position, your printer is set for thicker paper or envelopes and your image may have banding.

For most papers, set the paper thickness lever to the **0** position.



If your printout is blurry or smeared . . .

- Make sure your paper isn't damp or loaded face down (the printable side should be loaded face up). If it's damp, reload a new stack of paper.
- Use a support sheet with special media or try loading your media one sheet at a time.
- Make sure your paper or media meets the specifications listed in your electronic *EPSON Stylus COLOR 900N Manual*.
- Run the Print Head Alignment utility. See page 85 for instructions.
- Check the paper thickness lever position. If it's in the **+** position, your printer is set for thicker paper or envelopes and your image may smear. For most papers, set the paper thickness lever to the **0** position, as shown above.



If your printout is faint or has gaps in the image . . .

- Make sure the print head nozzles are not clogged. To clean the print head, see page 77.
- Make sure your paper isn't damaged, old, dirty, or loaded face down. If it is, reload a new stack of paper with the printable side up. The printable surface is usually whiter or shinier.

If your printout contains incorrect or missing colors . . .

- Make sure the Ink setting is set to Color for color images.
- Make sure the print head nozzles are not clogged. To clean the print head, see page 77.
- Make sure the ink cartridges aren't low on ink or too old. If either ink out light is flashing, replace the ink cartridge; see page 80. If your ink cartridge is more than six months old, you may need to replace it; see page 83.
- Try using Automatic mode. See page 62 (Windows) or page 65 (Macintosh) for instructions.
- Your printed colors can never exactly match your on-screen colors. However, you can use a color management system to get as close as possible. For information on your printer software's color matching options, see your electronic *EPSON Stylus COLOR 900N Manual*.

If your printout contains incorrect characters . . .

- Your printer's network cable may not be securely connected. Check that the cables are connected correctly at all places between your computer and the printer on the network to ensure proper communication. After adjusting the cable(s), try printing from an application again.
- Your printer may not be selected as the current printer in your application, or as the Windows default printer, or as the current printer in the Macintosh Chooser. Be sure to select EPSON Stylus COLOR 900N in your application. For instructions on selecting the Windows default printer, see your Windows documentation or online help. To select your printer in the Macintosh Chooser, see page 52.

If your printout is grainy . . .

- Try using a higher quality paper.
- Make sure you set the Quality/Speed slider to the Quality setting in your printer software; see page 62 (Windows) or page 65 (Macintosh) for instructions.
- Run the Print Head Alignment utility. See page 85 for instructions.
- You may need to increase the image resolution or print it in a smaller size. See your software documentation for instructions.



Uninstalling Printer Software

If you need to uninstall and reinstall your printer software (the driver, EPSON Status Monitor 2, or EPSON Net!2), follow the steps in this section.

Uninstalling Your Printer Driver

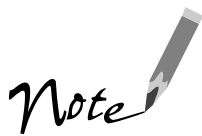
If any of the suggested solutions above indicate that you should uninstall and then reinstall your printer driver, follow the steps in the appropriate section below for your operating system.

Windows 98 and Windows 95

Follow the steps below to uninstall the printer driver.



If you are using Status Monitor 2 and uninstall and then reinstall the printer driver software, you must either run the setup program as described in “Changing the Status Monitor 2 Setup” on page 103 in your electronic *EPSON Stylus COLOR 900N Manual*, or uninstall and reinstall Status Monitor 2, so it can recognize your printer.



In Windows NT 4.0, you can't uninstall the printer driver with the Add/Remove Programs utility. See your Windows documentation to remove printer drivers from your system.

1. Click Start, point to Settings, and then click Control Panel.
2. Double-click Add/Remove Programs.
3. Select EPSON Printer Software in the program list.
4. Click the Add/Remove button. Follow the instructions on the screen to uninstall your software.

To reinstall your software, see page 49.

Windows 3.1

1. Double-click the Main program group icon, then double-click the Control Panel icon.
2. Double-click Printers.
3. Select EPSON Stylus COLOR 900N in the Installed Printers list and click the Remove button.

To reinstall your software, see page 49.

Macintosh

1. Insert the EPSON printer software CD-ROM in your drive.
2. Double-click the Installer icon. Then click Continue.
3. Click the arrow in the list at the top showing Easy Install, and select Remove from the list.
4. Click the Remove button on the bottom of the screen.
5. Follow the instructions on the screen to uninstall the printer software.

To reinstall your software, see page 49.

Uninstalling EPSON Status Monitor 2

Follow the steps below to uninstall EPSON Status Monitor 2. If you are using Windows NT, you need to log on as the Administrator.



If EPSON TCP/IP printing is enabled, disable it as described in "Changing the Status Monitor 2 Setup" on page 103 in your electronic *EPSON Stylus COLOR 900N Manual*.

If you try to uninstall EPSON Status Monitor 2 when using IntranetWare Client for NT in Windows NT 4.0, and an error message appears and the uninstall process terminates, delete the following files from the directory where EPSON Status Monitor 2 is installed, and then delete EPSON Status Monitor 2. (Deleting these files will not cause errors in Novell IntranetWare Client for NT.)

Files: NETWIN16.DLL, CLNWIN16.DLL, LOCWIN16.DLL, NCPWIN16.DLL, NWIPXSPX.DLL, CLXWIN16.DLL, CALWIN16.DLL

1. Click Start, point to Settings, and then click Control Panel.
2. Double-click Add/Remove Programs.
3. Click EPSON Status Monitor 2 and click the Add/Remove button.
4. Follow the instructions on the screen.

Uninstalling EPSON Net!2

Follow these steps to uninstall EPSON Net!2 in Windows:

1. Double-click the My Computer icon, then double-click the Control Panel icon.
2. Double-click Add/Remove Programs.
3. Select EPSON Net!2 in the program list.
4. Click the Add/Remove button. Follow the instructions on the screen to uninstall your software.

To reinstall your software, see page 21.

To remove EPSON Net!2 from a Macintosh system, find the EPSON Net!2 folder that you created and drag it to your Trash icon.

Where To Get Help

EPSON provides technical assistance through automated telephone services and electronic support services 24 hours a day, as listed in the following tables:

Automated telephone services

Service	Access
EPSON SoundAdvice SM	For pre-recorded answers to commonly asked questions about EPSON products 24 hours a day, seven days a week, call (800) 922-8911 .
EPSON FaxAdvice TM	Access EPSON's technical information library by calling (800) 922-8911 . You must provide a return fax number to use this service.
EPSON Referral Service	For the location of your nearest Authorized EPSON Reseller or Customer Care Center, call (800) 922-8911 .

Electronic support services

Service	Access
World Wide Web	From the Internet, you can reach EPSON's Home Page at http://www.epson.com .
EPSON Internet FTP Site	If you have Internet FTP capability, use your Web browser (or other software for FTP downloading) to log onto ftp.epson.com with the user name anonymous and your e-mail address as the password.
EPSON Forum on CompuServe	Members of CompuServe can type GO EPSON at the menu prompt to reach the Epson America Forum. For a free introductory CompuServe membership, call (800) 848-8199 and ask for representative #529.

To speak to a technical support representative, dial (310) 787-6346 (U.S.) or (905) 709-2567 (Canada), 6 AM to 8 PM, Pacific Time, Monday through Friday and 7 AM to 4 PM, Saturday. Toll or long distance charges may apply.

Before you call, please have the following information ready:

- Product name (EPSON Stylus COLOR 900N)
- Product serial number (located on the back of the printer)
- Computer configuration
- A status sheet from the Ethernet card (see page 17)
- Description of the problem

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

If you need help using another manufacturer's software with an EPSON product, see the documentation for that software for technical support information.

Installing Software From Diskettes

If you need to install the printer software on a system that doesn't have a CD-ROM drive (such as a workstation), use the instructions in this chapter to do one of the following:

- For Windows, you can create the software diskettes on another computer that has a CD-ROM drive using the disk creation utility on the printer software CD-ROM, as described below.
- For a Macintosh, you can copy the files on a computer that has a CD-ROM drive. See page 106.
- Order software diskettes from EPSON. (See page 106.)

Once you have your diskettes, follow the steps starting on page 107 to install the software.



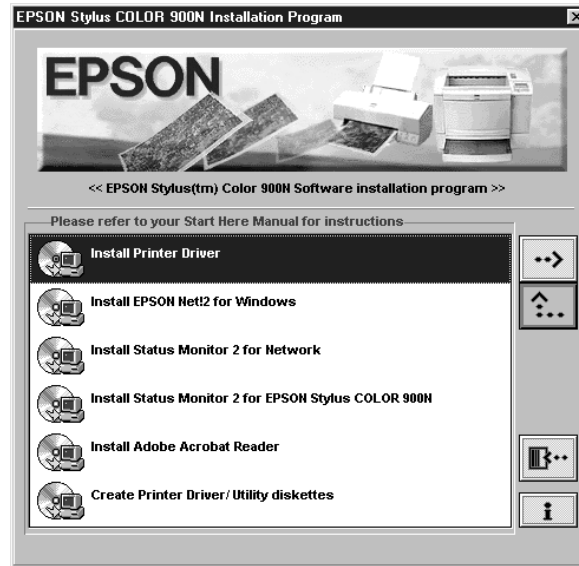
Creating the Software Diskettes

Using the Disk Creation Utility


If you want to make diskettes in Windows, make sure you have several formatted diskettes ready, then follow these steps:

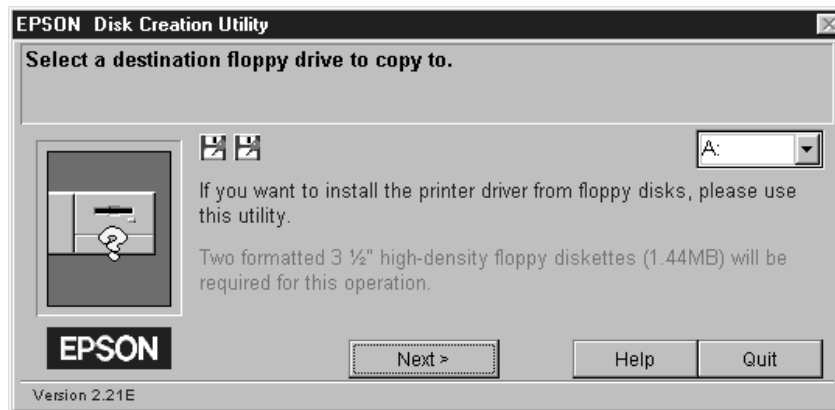
1. Insert the printer software CD-ROM in your CD-ROM drive and a blank, formatted diskette in the diskette drive.

You see the EPSON Installation Program screen:



If the screen does not appear, go to My Computer and double-click the Epson CD-ROM icon to start the EPSON Installation program.

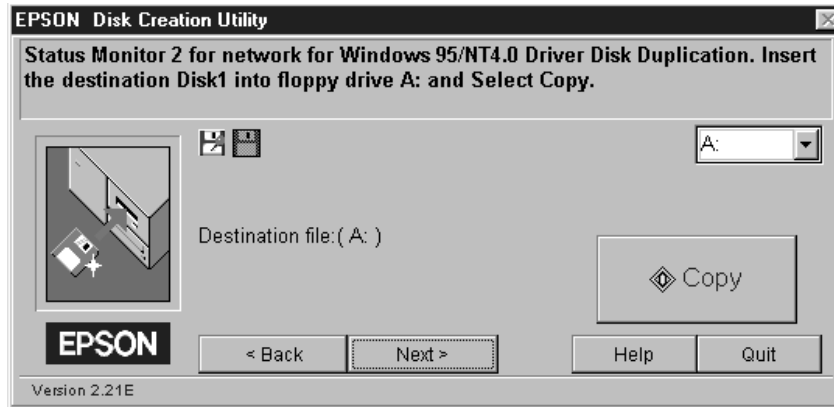
2. Highlight Create Printer Driver/Utility diskettes and click the right arrow button .
3. Select which program you want and click OK. You see a screen like the following:



The screen lists the number of diskettes you need and lets you change the floppy drive letter, if necessary.

4. Click Next.

You see a screen similar to the following:



5. Click Copy to copy the first diskette. You see a screen showing the progress as the files are copied to the diskette. For multiple diskettes, when the first diskette is finished, the installer prompts you to insert disk 2.

Make sure you label each diskette in order as you create it: Status Monitor 2, network part, disk 1 of 2, etc.



If you are making Status Monitor 2 diskettes, make sure you label the diskettes for both parts carefully, so you do not mix up the network diskettes and the EPSON Stylus COLOR 900N diskettes.

6. If you have to create more than one disk, insert the next disk and click Copy. Repeat this step for a third disk if necessary.
7. When the diskettes have finished copying, click Quit and then click OK.

After you have created all the diskettes you need, you can install the software by following the steps that start on page 107.

Copying Macintosh Files

If you have a Macintosh computer and you need to create diskettes, use a computer that has a CD-ROM drive to drag the following files from your CD-ROM onto diskettes (1 per file):

- EPSON Installer (printer driver software)
- EPSON Net!2

Ordering Printer Software Diskettes

You can order software diskettes from EPSON by phone or fax for \$19.95 shipping and handling (plus tax where applicable), or you can download the diskette image files. When you're ready to install your software, see page 107.

Download:

- **EPSON Web Page:** Point your browser to <http://www.epson.com/connects> and select File Downloads (FTP).
- **EPSON Internet FTP Site:** Log on to <ftp.epson.com> with the user name anonymous and your e-mail address as the password.
- **Epson America Forum on CompuServe®:** Click on Services. . . Go, then type EPSONFOR in the dialog box.

If you need downloading instructions, call EPSON's FaxAdvice service at (800) 922-8911 and request document #1220; be sure to supply a return fax number.

Fax:

Send the following information by fax to EPSON at (310) 782-5266:

- Name and Company name
Street address (no P.O. boxes please)
City, State and ZIP code

- Daytime telephone number
- Payment method (VISA, MasterCard, or American Express)
Card number and expiration date
Be sure to sign your fax; it is required for the credit card purchase
- Printer name (EPSON Stylus COLOR 900N)
- Operating system (Window 3.1, Windows 95, Windows 98, Windows NT 4.0, or Macintosh).

Phone:

Call (310) 533-8467 from 6 AM to 6 PM Pacific time, Monday through Friday.



Installing EPSON Net!2

If you have the following network configurations, you should install EPSON Net!2:

- Windows 98, Windows 95, or Windows NT 4.0 with TCP/IP or NetWare
- Macintosh with AppleTalk (EtherTalk)

Installing EPSON Net!2 in Windows

Follow these steps:

1. Insert the EPSON Net!2 diskette in your drive.
2. Click Start, then click Run.
3. Type A:WINDOWS\INSTALL and click OK. (If your diskette drive is not *A*, substitute the correct letter.)
4. Follow the instructions on the screen to complete the installation.

After you install EPSON Net!2, you can configure your printer for NetWare (on page 26) or for TCP/IP (on page 39).

Installing EPSON Net!2 on a Macintosh

Follow these steps:

1. Create a folder for EPSON Net!2 on your hard disk.
2. Insert the EPSON Net!2 diskette in your drive.
3. Double-click the diskette to open it and copy EPSON Net!2 to the folder you created.

After you install EPSON Net!2, you use it to configure your printer for AppleTalk, as described on page 44.

Installing Status Monitor 2

EPSON Status Monitor 2 is a single utility that you install on your computer in two parts. For each system that will monitor the printer, make sure you install the network part and the EPSON Stylus COLOR 900N part of EPSON Status Monitor 2. These two parts work together to allow you to see your printer's status information over the network.



You may not see all the steps here, depending on your computer's configuration.

If you are using Windows 98 or Windows 95, make sure you have TCP/IP installed on your system before installing Status Monitor 2 so you can enable EPSON TCP/IP printing.

Write down your settings in the spaces provided as you install the first part of Status Monitor 2. You need to select the same settings for the second part.

Follow these steps to install EPSON Status Monitor 2:

1. Insert the Status Monitor 2 for Network, diskette 1, in your drive.
2. Click Start, then click Run.

3. Type A:\SETUP and click OK.
4. Close any open programs and click Next. A screen appears asking where you want to install Status Monitor 2.
5. Click Next to accept the default directory or choose a different directory and click Next.
6. If you are using Windows 98 or Windows 95 and you have TCP/IP installed, you see a screen asking you if you want to enable EPSON TCP/IP printing.

Select Yes if you want to print with TCP/IP, and then click Next.

TCP/IP Printing: Yes_____ No_____

7. Select the type of printer(s) you want to monitor and click Next.

Monitor:

EPSON TCP/IP printers_____ Windows shared printers_____

NetWare printers_____ local printers_____

8. Select Monitor to monitor EPSON network printers that do not have drivers installed in your computer. Select Do not monitor if network traffic is a problem. Then click Next.

Printers: Monitor_____ Do not monitor_____


9. If you're using NetWare, set the number of hops (0 to 15) and click Next.

Number of hops:_____



If you have dial-up routers in a NetWare environment, they may automatically dial up the next hop and you may be charged for the line connection depending on the number of hops you set. To prevent this and to keep network traffic to a minimum, set hops carefully.

10. Check the current settings and click Next to install the software. When the installer prompts you, insert the second diskette.
11. When you see the Setup Complete screen, select No and click Finish.
12. Insert the Status Monitor 2 for EPSON Stylus COLOR 900N, diskette 1, in your drive.

13. Follow steps 2 through 10, using the same settings you used in those steps.
14. When the Setup Complete screen appears, select Yes and click Finish.
15. After you restart your computer, right-click the green background monitoring icon  in your Startup group on the taskbar. Click Stop monitoring now.

This turns off background monitoring, which may interfere with EPSON Net!2 when you configure the card. (See page 95 in your electronic *EPSON Stylus COLOR 900N Manual* or Chapter 11 in your *Administrator's Manual* to turn on background monitoring.)



If you install Status Monitor 2 on additional workstations, or you are not using EPSON Net!2, you do not have to turn off background monitoring. You should limit the number of systems that monitor the printer, however, to prevent network traffic problems.

Installing the Printer Driver in Windows

Follow these steps to install your printer driver:

1. Insert diskette 1 in your drive.
2. In Windows 98, Windows 95, or Windows NT 4.0, click Start, then click Run.
In Windows 3.1x, select Run from the File menu in Program Manager.
3. Type A:\Setup (where A: is your diskette drive letter).
4. Click OK and follow the instructions on the screen to install your printer driver.

Your printer is automatically set to your local port, LPT1. You need to change it to follow the network path to your printer by adding a port as described on pages 51 and 52.



For basic instructions on using your printer driver, see page 59.

Installing the Printer Driver in Macintosh

Follow these steps to install your printer driver:

1. Turn on your printer and your Macintosh and turn off any virus protection programs you may have.
2. Insert the diskette in your drive and double-click the diskette icon that appears.
3. Double-click the Installer icon.
4. Follow the instructions on the screen and restart your computer.

To use the printer, you need to select the SC 900 (AT) printer in the Chooser and make sure AppleTalk is on.

Index

360 dpi Ink Jet Paper, 76

A

Accessories, 101
Adobe Acrobat Reader, 55 to 57
Advanced mode, 70 to 72
Advanced settings
 print quality, 70 to 72
 project types, 67 to 69
 special effects, 70 to 72
Aligning print head, 85
arp command, 42 to 44
Automatic mode
 Macintosh, 65
 Windows, 62

B

Background monitoring, 25
Background printing, Macintosh, 66
Banding, 93
Bindery, 26
BOOTP, 41

C

Cable, network, 4, 5
Cleaning
 print head, 77 to 79
 printer, 86
 sheets, 76, 77, 86
Color Adjustment mode, 72
Color management settings, 72
ColorSync setting, 69, 72

Custom project types, 67 to 69

D

Despooler, Windows 3.1, 63
Device name, 47
DHCP, 41
Diffusion, error, 71
Digital Camera Correction setting, 72
Digital Camera setting, 69
Diskettes
 installing software, 107 to 111
 making, 103 to 105
 ordering, 106
Dithering, 71
Documentation, how to use, 55 to 57
Driver
 installing from diskettes, 110
 uninstalling, 97 to 99

E

Economy setting, 69, 71
ENERGY STAR, 6
Envelopes, printing on, 75
EPSON
 Accessories, 101
 help, 100 to 101
 media and paper, 76
EPSON Monitor3, 67
EPSON Net!2
 installing from CD-ROM, 21 to 23
 installing from diskettes, 107
 uninstalling, 100
Error Diffusion setting, 71

Ethernet card
MAC address, 17
Ethernet card home page, 46 to 48

F

Faint images, 96
Finest Detail setting, 71
Flip Horizontal setting, 71

G

Gateway, 41
Graph setting, 69

H

Halftoning setting, 71
Head Cleaning utility, 78
Help, 100 to 101
High Speed setting, 71

I

ICM (Image Color Matching) setting, 69, 72
Incorrect colors in printout, 96
Ink cartridge
replacing, 80 to 82
replacing outdated, 80, 83 to 84
safety instructions, 9
Ink Jet Transparencies, 76
Ink level gauge, 93
Ink setting, 68, 71
Installation, troubleshooting, 92
IP address, 41
Iron-On Cool Peel Transfer Paper, 76

L

Layout tab, Windows, 63
Lever, thickness, 75, 94, 95

M

MAC address, 17
Macintosh
background printing, 66
Chooser, 93
preview, 66
system requirements, 5
using diskettes, 106 to 111
Manual, how to use, 2, 55 to 57
Media Type setting, 68, 71, 74, 76
MicroWeave setting, 71
Mirror images, 71
Moving printer, 87

N

NetBIOS name, 47
Nozzle check pattern, 80
NwAdmin, 26 to 32

P

Page Setup, Macintosh, 64
Paper
loading, 60, 64, 73 to 75
thickness lever, 75, 94, 95
Paper support, 12
Paper tab, Windows, 62
Photo Paper, 73 to 74, 76
Photo Paper Pack, 73
Photo Quality Glossy Film, 76
Photo Quality Ink Jet Paper, 76
PhotoEnhance3 and PhotoEnhance settings,
69, 72

Preview, Macintosh, 66
Print head
 aligning, 85
 cleaning, 77 to 79
Print quality, 71, 93 to 97
Printable area setting, Photo Paper, 74
Printer
 cable, 4, 5
 noise, 92
 parts, 6
Printer software, uninstalling, 97 to 100
Printing
 advanced settings, 67 to 72
 Macintosh, 64 to 67
 special papers, 73 to 76
 Windows, 60 to 63
Problems, diagnosing, 89 to 91
Progress Meter, 63
Project types, custom, 67 to 69

Q

Quality/Speed slider
 Macintosh, 65
 Windows, 62
Queues, creating in NetWare 4.1x, 28 to 32

R

RARP, 41
Reader, *see* Adobe Acrobat Reader
Resolution, *see* Print quality

S

Safety instructions, 8 to 9
Service, 100 to 101
Sharpness setting, 72
Smears, 75, 94, 95

Software installation
 troubleshooting, 92
Special effects, 70 to 72
Special papers, 73 to 76
sRGB (Standard Red Green Blue) setting,
 69, 72
Status Monitor 2
 installing from CD-ROM, 23 to 26
 installing from diskettes, 108
 uninstalling, 99
Status sheet, 17
Subnet mask, 41
Support, 100 to 101
System requirements
 Macintosh, 5
 Windows, 4

T

Text/Graph setting, 69
Thickness lever, 75, 94, 95
Tone setting, 72
Transfer Paper, Iron-On Cool Peel, 76
Transparencies, 76
Transporting printer, 87
Troubleshooting, 100 to 101

U

Uninstalling software, 97 to 100
Utilities
 aligning print head, 85
 head cleaning, 78
 Status Monitor 2, 23, 99, 108

W

Watermark
 Macintosh, 66
 Windows, 63

Windows

Progress Meter, 63

system requirements, 4

using diskettes, 103 to 110

Workgroup name, 47

World Wide Web, 101

Y

Year 2000, 6

EPSON Ink Jet Papers

Use EPSON's paper and inks to get the same photo quality results that have earned your printer all of its awards! EPSON's papers are specially coated to work with EPSON's quick drying inks. You'll notice that when prints come out of your printer, you can immediately handle them. There is no drying time, no smearing or smudging, and your image is clean and smooth. Here are just a few of EPSON's papers:

360 dpi Ink Jet Paper

Bright white coated paper for quick printing at lower resolutions with brilliant results. Perfect for letters, charts, clip art, and color drafts.



Photo Quality Glossy Film

Durable, bright white film sheets with the highest-gloss finish. Perfect for printing professional quality, high-resolution photographs of all your digital images.

Photo Paper and Panoramic Photo Paper

Photo lab quality, heavier weight glossy paper available in a variety of sizes. Perfect for color photo keepsakes of snapshots, framed art, banners, and panoramics.



Iron-On Cool Peel Transfer Paper

Transfer your designs and photographs onto t-shirts or other cloth items. Perfect for ironing onto team t-shirts, canvas bags, crafts, and gifts.

See the inside back cover for a list of EPSON papers and ordering information.

How to Order EPSON Ink and Paper

To order EPSON ink cartridges, paper, and other printing media, contact your dealer or call EPSON Accessories at (800) 873-7766 or visit our web site at www.epsonsupplies.com (U.S. sales only). In Canada, please call (800) 873-7766 for dealer referral.

Ink Cartridges

Order these EPSON ink cartridges and use them within six months of installing them and before the expiration date on the package:

Black ink cartridge T003011

Color ink cartridge T005011

EPSON Papers

Paper name	Size	Part number
EPSON 360 dpi Ink Jet Paper	Letter	S041060
	A4 (8.3 x 11.7 inches)	S041059
EPSON High Quality Ink Jet Paper	Letter	S041111
	A4 (8.3 x 11.7 inches)	S041117
EPSON Photo Quality Ink Jet Paper	Letter	S041062
	A4 (8.3 x 11.7 inches)	S041061
	Legal	S041067
EPSON Photo Quality Ink Jet Cards	A6 (4.1 x 5.8 inches)	S041054
	8 x 10 inches	S041122
EPSON Photo Paper	4 x 6 inches	S041134
	Letter	S041141
	A4 (8.3 x 11.7 inches)	S041140
	Panoramic (8.3 x 23 inches)	S041145
EPSON Photo Stickers Kit (CD-ROM/paper)	A6 (4.1 x 5.8 inches)	S041144-KIT
EPSON Photo Stickers (refill)	A6 (4.1 x 5.8 inches)	S041144
EPSON Photo Quality Glossy Film	Letter	S041072
	A4 (8.3 x 11.7 inches)	S041071
	A6 (4.1 x 5.8 inches)	S041107
EPSON Ink Jet Transparencies	Letter	S041064
	A4 (8.3 x 11.7 inches)	S041063
EPSON Photo Quality Self Adhesive Sheets	A4 (8.3 x 11.7 inches)	S041106
EPSON Iron-On Cool Peel Transfer Paper	Letter	S041153/S041155