# Macintosh® Supplement

Read this manual carefully before you use this machine and keep it handy for future reference. For safe and correct use, be sure to read the Important Information in "User's Guide" before using the machine.

# Table of Contents

# 5 Appendix

# 1 General Information

## Using this Guide

### Finding information

See the User's Guide and other documents supplied with this machine for the information that is common with Windows®, such as connecting to the network, and operating from the control panel of this machine.

### Symbols used in this Guide

Throughout this Guide you will see special symbols alerting you to important warnings, notes and actions. Special fonts identify keys you should press, messages that appear on the LCD, and important points or related topics.

| | |
|---|---|
| **Bold** | Bold typeface identifies specific keys on the machine's control panel. |
| *Italics* | Italicized typeface emphasizes an important point or refers you to a related topic. |
| `Courier` | Courier type face identifies the messages on the LCD of the machine. |

> Indicates points to pay attention to when using the machine, and explanations of likely causes of paper misfeeds, damage to originals, or loss of data. Be sure to read these explanations.

> Notes tell you how you should respond to a situation that may arise or give tips about how the operation works with other features.

### Trademarks

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Firefox is a registered trademark of Mozilla Corporation.

# 2 Installing the Drivers

## Computer requirements

**Supported Operating System**

Mac OS® 9.1 - 9.2

Mac OS® X 10.2.4 or greater

**PC Interface**

USB

Ethernet

**Minimum Processor**

All base models meet minimum requirements.

**Minimum RAM**

Mac OS® 9.1 - 9.2: All base models meet minimum requirements.

Mac OS® X 10.2.4 or greater: 128 MB

**Recommended RAM**

Mac OS® 9.1 - 9.2: 64 MB

Mac OS® X 10.2.4 or greater: 160 MB

**Available Hard Disk Space for Drivers**

80 MB

**Supported PC Software Functions**

Mac OS® 9.1 - 9.2: Printing, PC Fax send [1]

Mac OS® X 10.2.4 - 10.2.8: Printing, PC Fax Send [1]

Mac OS® X 10.3.x or greater: Printing, PC Fax send [1], Status Monitor

[1] PC Fax supports black & white faxing only.

**Note**

Before you can connect the machine to your Macintosh®, you must buy a USB cable that is no longer than 6 feet (2 meters).

Do not connect the machine to a USB port on a keyboard or a non-powered USB hub.

For Mac OS® X 10.2.0 to 10.2.3 user, please upgrade to Mac OS® X 10.2.4 or greater.

# For Mac OS® 9.1 to 9.2

Make sure that you have completed the instructions of Quick Setup Guide from Step 1 "Setting Up the machine" on pages 4 - 11.

✎ **Note**

Read the downloaded Readme file before the installation.

## Installing the Drivers

① Turn off and unplug the machine from the AC outlet.

✎ **Note**

For USB users, driver installation may not finish correctly if the USB interface cable is connected to the machine before the installation. Before the installation, check the USB interface cable and make sure that it is not connected to the machine.

② Turn on your Macintosh®.

③ Double-click the downloaded file to install the drivers.

④ Read the SOFTWARE LICENSE AGREEMENT, and click **Accept** if you agree to its terms.

⑤ Select the standard paper size and click **Install**.

⑥ Follow the on-screen instructions, and restart your Macintosh®.

   For USB users → Go to Step 7

   For Network users → Go to Step 8

⑦ Connect the USB interface cable to your Macintosh® and then to the machine.
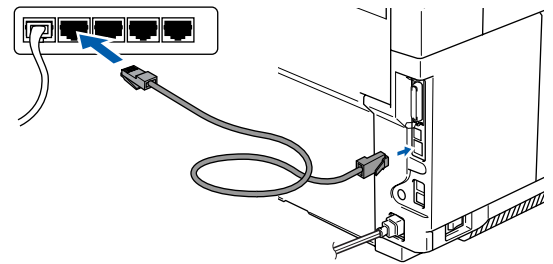
   → Go to Step 9
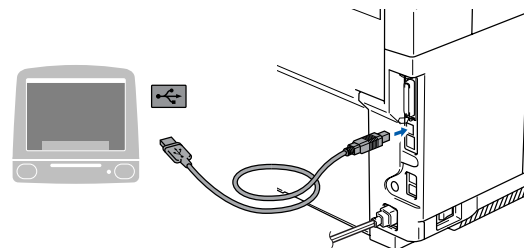


⚠ **IMPORTANT**

DO NOT connect the machine to a USB port on a keyboard or a nonpowered USB hub.

⑧ Connect the network cable to the machine, and then connect it to a free port on your hub.

⑨ Plug in the power cord and turn on the machine.

⑩ Open the **Chooser** from the **Apple** menu.

File   Edit   View   Special   Help
About This Computer
Apple System Profiler
Calculator
Chooser
Control Panels
Favorites
Key Caps
Network Browser
Recent Applications
Recent Documents
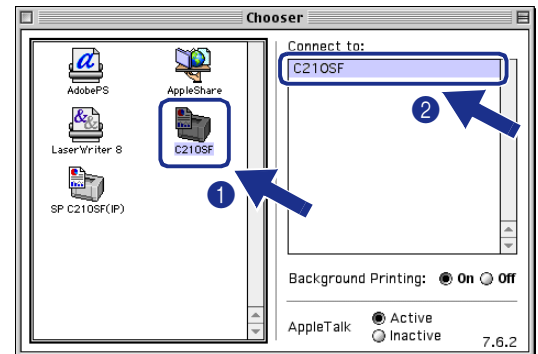Recent Servers
Scrapbook
Sherlock 2
Stickies

For USB users → Go to For USB Interface Cable Users

For Network users → Go to For Network Interface Cable Users

2

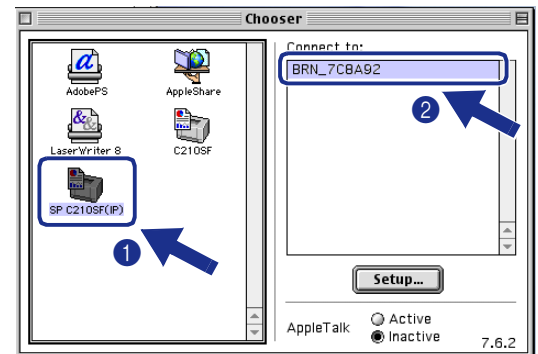## For USB Interface Cable Users

**1** Click the **C210SF** icon.

**2** On the right side of the **Chooser**, select the machine to which you want to print.

Close the **Chooser**.

**OK!** **The printer driver has installed.**

## For Network Interface Cable Users

**1** Click the **SP C210SF (IP)** icon, and then select **BRN_XXXXXX**.

Close the **Chooser**.

**Note**

XXXXXX are the last six digits of the Ethernet address.

**OK!** **The printer driver has installed.**

# For Mac OS® X 10.2.4 or greater

Make sure that you have completed the instructions of Quick Setup Guide from Step 1 "Setting Up the machine" on pages 4 - 11.

**Note**

Read the downloaded Readme file before the installation.

For Mac OS® X 10.2.0 to 10.2.3 user, please upgrade to Mac OS® X 10.2.4 or greater.

## Installing the Drivers

1 Turn off and unplug the machine from the AC outlet.

**Note**

For USB users, driver installation may not finish correctly if the USB interface cable is connected to the machine before the installation. Before the installation, check the USB interface cable and make sure that it is not connected to the machine.

2 Turn on your Macintosh®.

3 Double-click the downloaded file to install the drivers.

4 When the installer starts, click **Continue**.

5 Follow the on-screen instructions, and restart your Macintosh®.

For USB users → Go to Step 6

For Network users → Go to Step 7

6 Connect the USB interface cable to your Macintosh® and then to the machine.

→ Go to Step 8
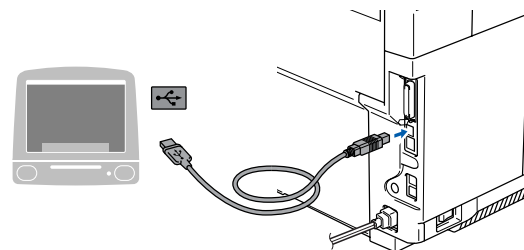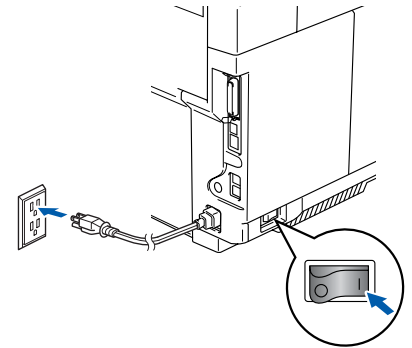
**IMPORTANT**

DO NOT connect the machine to a USB port on a keyboard or a nonpowered USB hub.
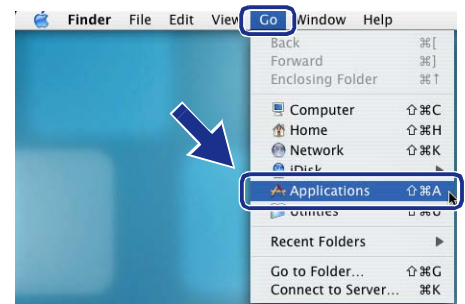
**7** Connect the network cable to the machine, and then connect it to a free port on your hub.
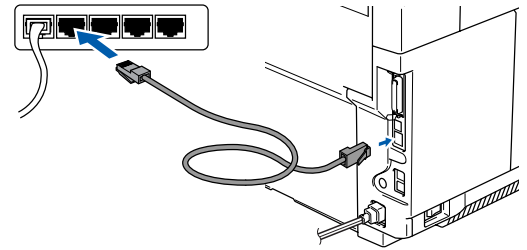
**8** Plug in the power cord and turn on the machine.

**9** Select **Applications** from the **Go** menu.
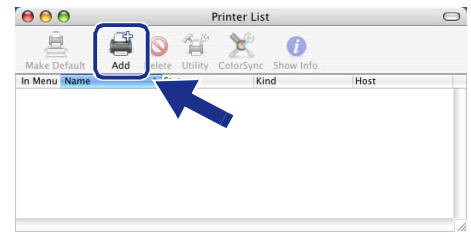
**10** Open the **Utilities** folder.

**11** Open the **Printer Setup Utility** icon.

✎ **Note**

For Mac OS® X 10.2.x users, open **PrintCenter** icon.

**12** Click **Add**.

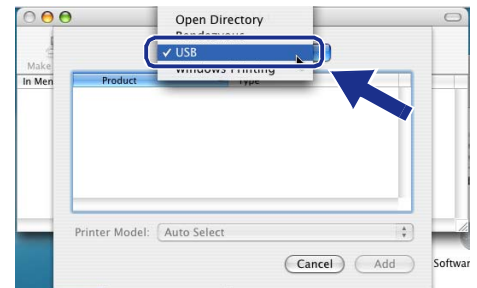For USB users → Go to For USB Interface Cable Users

For Network users → Go to For Network Interface Cable Users
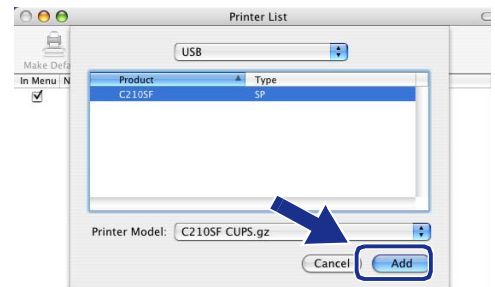
## For USB Interface Cable Users

For Mac OS® X 10.2.4 to 10.3.x users → Go to 1

For Mac OS® X 10.4 users → Go to 2

**1** Select USB.

**2** Select **C210SF**, and then click **Add**.

(Mac OS® X 10.2.4 - 10.3.x)

(Mac OS® X 10.4)

**3** Select **Quit Printer Setup Utility** from the **Printer Setup Utility** menu.

**OK!** **The printer driver has installed.**

## For Network Interface Cable Users

For Mac OS® X 10.2.4 to 10.3.x users → Go to 1

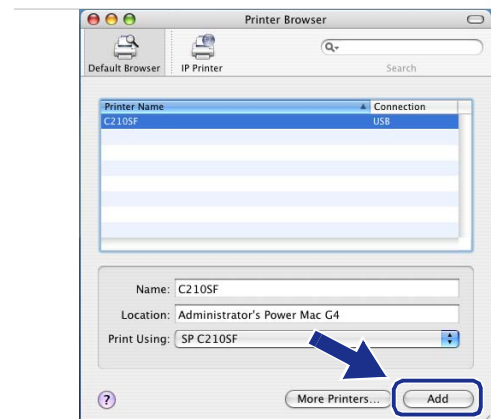For Mac OS® X 10.4 users → Go to 2

**1** Make the selection shown below.
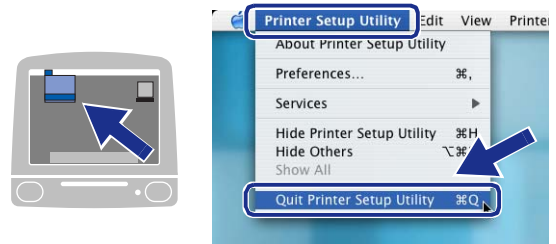
**2** Select **SP C210SF**, and then click **Add**.

(Mac OS® X 10.2.4 - 10.3.x)

(Mac OS® X 10.4)

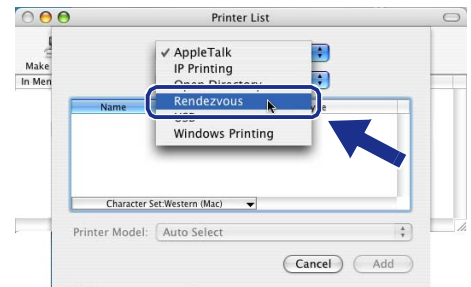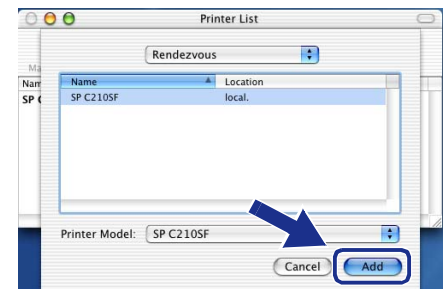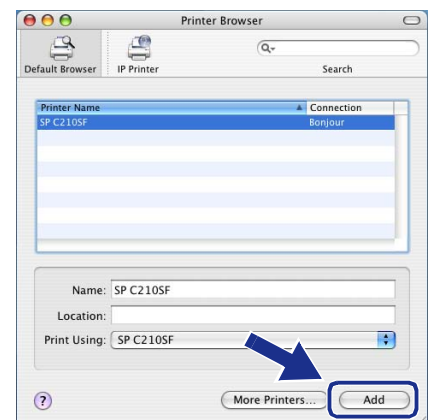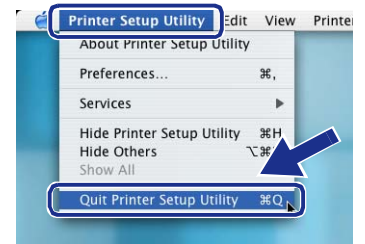3 Select **Quit Printer Setup Utility** from the **Printer Setup Utility** menu.



OK! **The printer driver has installed.**

# 3 Printing

> **Note**
>
> You can use the following functions from the machine.
>
> For more information, see *Chapter 1 Printing* of the Software User's Guide on the CD-ROM.
>
> ■ Job Cancel
> ■ Secure Print key
> ■ Test Print
> ■ Restoring default Printer settings
> ■ Calibration

## Status Monitor

The **Status Monitor** utility is a configurable software tool for monitoring the status of the machine, letting you see error messages such as paper empty or paper jam at pre-set update intervals. You can also have an access to the Web Based Management and **Color Calibration** setting.

You can check the device status by choosing **Status Monitor** located in
Macintosh HD/Library/Printers/Ricoh/Utilities.

> **Note**
>
> Status Monitor is available for the users of Mac OS® X 10.3 or greater.

### Updating the machine's status

If you want the latest machine status while the **Status Monitor** window is open, click the update button.

You can set what interval the software will update the machine status information.Go to the menu bar, **Status Monitor** and choose **Preferences**.
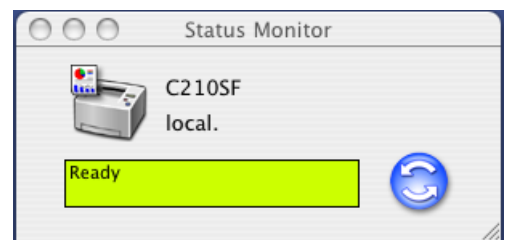
### Hiding or showing the window

After starting the **Status Monitor**, you can hide or show the window. To hide the window, go to the menu bar, **Status Monitor** and choose **Hide Status Monitor**. To show the window, click the **Status Monitor** icon in the dock.

### Quitting the window

Go to the menu bar and choose **Quit**.

## Web Based Management

You can have an easy access to Web Based Management System by clicking the machine icon on the **Status Monitor** screen. For more information on Web Based Management System, See *Chapter 5 Appendix*.

## Color Calibration

This setting helps you to improve color density by letting the printer driver use the color calibration data stored in your machine.

**Get device data**

Go to menu bar, Color Calibration and choose Get device data. The printer driver will attempt to get the color calibration data from your machine.

# Using the Color Driver (Mac OS® 9.1 to 9.2)

**To print a document:**

**1** From the application software such as TextEdit, click the **File** menu and select **Page Setup**. You can change the settings for **Paper Size**, **Orientation**, and **Scaling** and then click **OK**.

**2** From the application software such as TextEdit, click the **File** menu and select **Print**. Click **Print** to start printing.
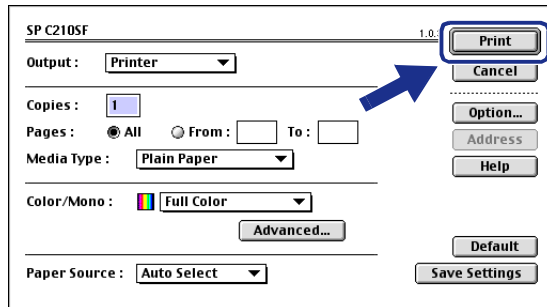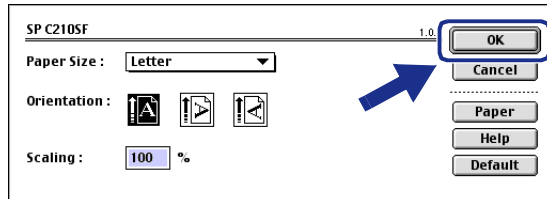
**Note**

If you want to change **Media Type**, **Color/Mono**, **Print Quality**, and **Color Mode**, select your settings before clicking **Print**. If you click **Option**, you can select the number of pages per sheet in the **Device Options** screen.
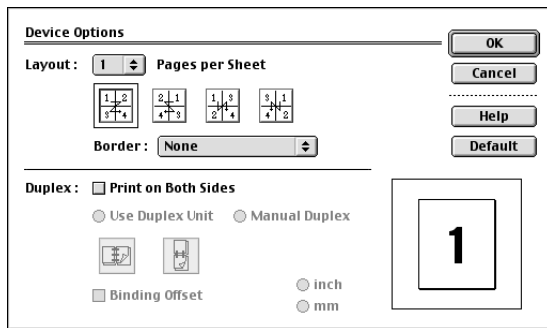
# Using the Color Driver (Mac OS® X)

## Choosing page setup options

**1** From application software such as TextEdit, click the **File** menu and select **Page Setup**. Make sure **SP C210SF** is selected in the **Format for** pop-up menu. You can change the settings for **Paper Size**, **Orientation** and **Scale**, then click **OK**.

**2** From application software such as TextEdit, click the **File** menu and select **Print**. Click **Print** to start printing.
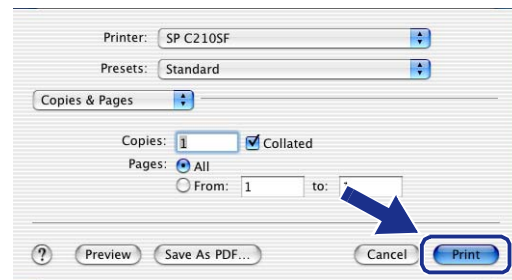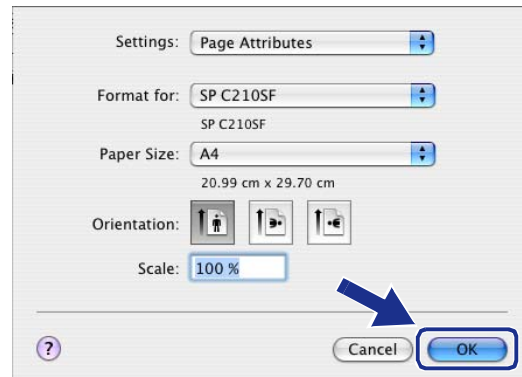
## Specific settings

### Print settings

You can change settings by selecting the setting in the **Printer Settings** list.

### Basic

- ■ **Media Type**
- ■ **Color/Mono**
- ■ **Mirror Printing**
- ■ **Toner Save Mode**

### Advanced

- ■ **Print Quality**
- ■ **Color Mode**
- ■ **Improve Gray Color**
- ■ **Enhance Black Printing**

## Basic

### Media Type

You can use the following types of media in your machine. For the best print quality, select the type of media that you wish to use.

| Plain Paper | Thin Paper | Thick Paper | Thicker Paper |
|---|---|---|---|
| Transparencies | Recycled Paper | | |

**Note**

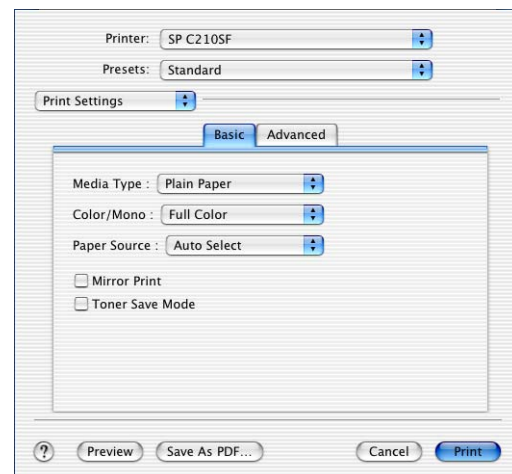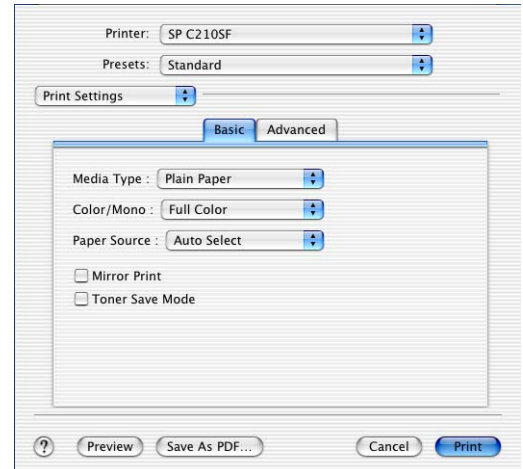When using ordinary plain paper or recycled paper (20 to 24 lb), select **Plain Paper** or **Recycled Paper**. When using heavier weight paper for both plain and recycled paper, envelopes or rough paper select **Thick Paper** or **Thicker Paper**. For OHP transparencies, select **Transparencies**.

### Color/Mono

You can select **Full Color**, **Mono**, **Black & Cyan**, **Black & Magenta**, and **Black & Yellow** from the drop down box.

### Full Color

When your document contains color and you want to print it in color, select this mode.

### Mono

Select this mode if your document has only black and grayscale text and/or objects. **Mono** mode makes the print processing speed faster than color mode. If your document contains color, selecting **Mono** mode prints your document in 256 levels of gray.

### Black & Cyan

Select this mode when you want to print a color document in Black and Cyan. All colors apart from Black will print in Cyan.

**Black & Magenta**

Select this mode when you want to print a color document in Black and Magenta. All colors apart from Black will print in Magenta.

**Black & Yellow**

Select this mode when you want to print a color document in Black and Yellow. All colors apart from Black will print in Yellow.

## Mirror Printing

Check Mirror Printing to reverse the data from left to right.

## Toner Save Mode

You can conserve toner using this feature. When you set **Toner Save** to **On**, print appears lighter. The default setting is **Off**.

📝 **Note**

We do not recommend **Toner Save Mode** for printing photo or gray scale images.

# Advanced

### Print Quality

You can select the following print quality settings.

#### Normal

600 x 600 dpi. Recommended mode for ordinary printouts. Good print quality with reasonable printing speed.

#### Fine

2400 dpi class. The finest print mode. Use this mode to print precise images such as photographs. Since the print data is much larger than in normal mode, processing time / data transfer time and printing time will be longer.
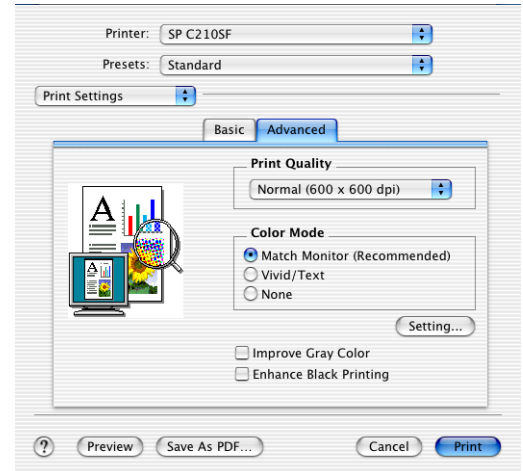
📝 **Note**

The print speed will change depending on what print quality setting you choose. Higher print quality takes longer to print, while lower print quality takes less time to print.

### Color Mode

You can change the **Color Mode** as follows:

#### Match Monitor

The color of all elements in the document are adjusted to match the monitor color.

#### Vivid/Text

The color of all elements are adjusted to become vivid color. Suitable for Graphics and Text.

### Improve Gray Color

You can improve the image quality of shaded areas by ticking the **Improve Gray Color** check box.

### Enhance Black Printing

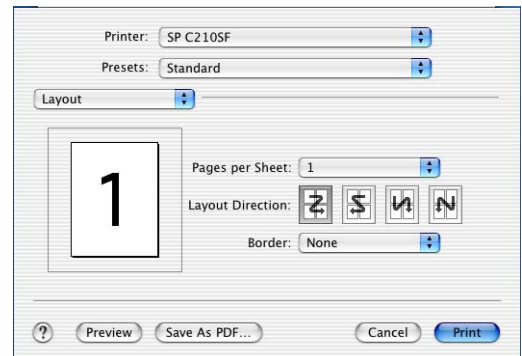If a black graphic cannot be printed correctly, choose this setting.

## Layout

Set the **Pages per Sheet**, **Layout Direction** and **Border**.

**Pages per sheet:** Select how many pages will appear on each side of the paper.

**Layout Direction:** When you specify the Pages per sheet, you can also specify the direction of the layout.

**Border:** If you want to add a border, use this function.

## Secure Print

Secure documents are documents that are password protected when they are sent to the machine. Only the people who know the password will be able to print them. Since the documents are secured at the machine, you must enter the password using the control panel of the machine to print them.

*To send a secured document:*

1️⃣ Select **Secure Print** and check **Secure Print**.

For Mac OS® 9.1 to 9.2, select **Secure Print** from the **Output** pull-down menu, and then click **Print**. **Secure Print** dialog box will appear.

2️⃣ Enter your password, user name and job name and click **OK**.

3️⃣ You must print the secured documents from the control panel of the machine. (See *Chapter 1 Printing* of the Software User's Guide on the CD-ROM.)

*To delete a secured document:*

You need to use the control panel of the machine to delete a secured document. (See *Chapter 1 Printing* of the Software User's Guide on the CD-ROM.)

# 4 Sending a fax

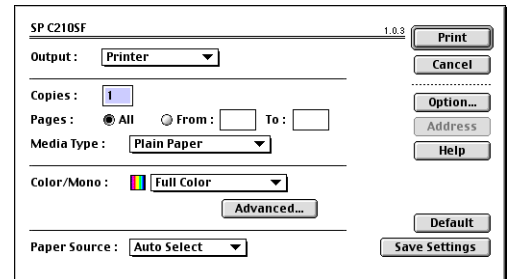## For Mac OS® 9.1 to 9.2 users

You can send a fax directly from a Macintosh® application.

① Create a document in a Macintosh® application.

② To send a fax, select **Print** from the **File** menu.

The Printer dialog box will appear:

When **Printer** is selected, the top button shows **Print** and the **Address** button is grayed out.

③ From the **Output** pull-down menu, select **Facsimile**.

When **Facsimile** is selected, the top button changes to **Send Fax** and the **Address** button will be available.
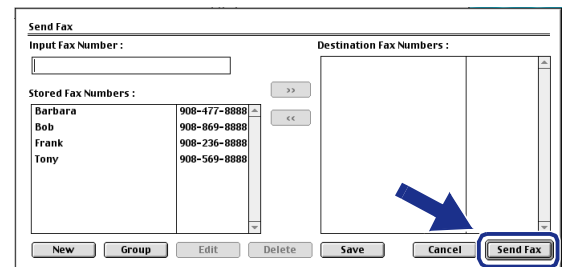
To select and only send certain pages of the documents, select **From** and type in the desired range of pages in the **From** and **To** box.
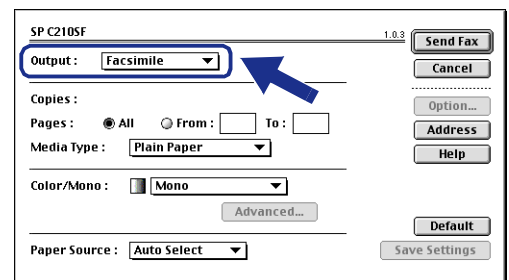
④ Click **Send Fax**.

The **Send Fax** dialog box appears:

The **Send Fax** dialog box has two list boxes. The left box shows all the previously **Stored Fax Numbers** and the right box shows the **Destination Fax Numbers** as you select them.

⑤ To address the fax, type a fax number in the **Input Fax Number** box. You can also select numbers in the **Stored Fax Numbers** box and click to apply them in the **Destination Fax Numbers** box.

⑥ When you are finished addressing your fax, click **Send Fax**.

### Note

If you click **Send Fax** without addressing your fax, the error message will appear.

Click **OK** to go to the **Send Fax** dialog box.

# For Mac OS® X users

You can send a fax directly from a Macintosh® application.

**1** Create a document in a Macintosh® application.

**2** To send a fax, select **Print** from the **File** menu.

The Printer dialog box will appear:
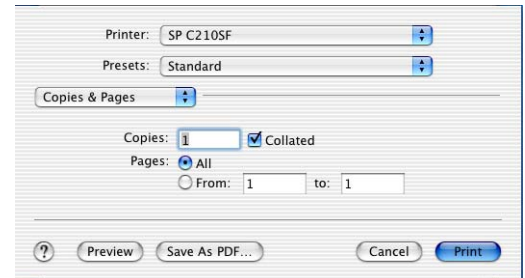
**3** Select **Send Fax** from the pull-down menu.
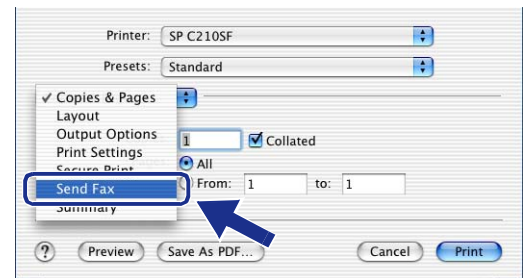
**4** Select **Facsimile** from the **Output** pull-down menu.
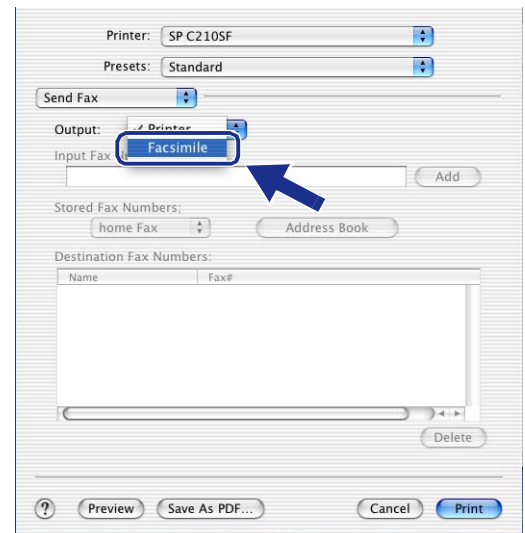
5 To address the fax, type a fax number in the **Input Fax Number** box, and then click **Print**.

📝 **Note**

If you want to send a fax to more than one number, click **Add** after entering the first fax number. The destination fax numbers will be listed in the dialog box.

# Drag a vCard from the Mac OS® X Address Book application

You can address the fax number using a vCard (an electronic business card) from Mac OS® application to the destination fax number field.

1 Click **Address Book** button.

2 Drag a vCard from the Mac OS® X **Address Book** application to the **Destination Fax Numbers** field.

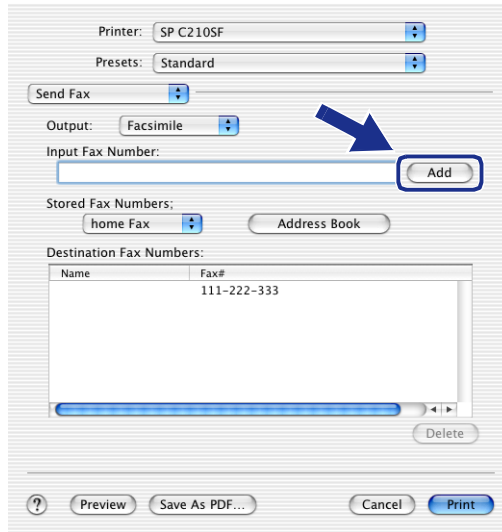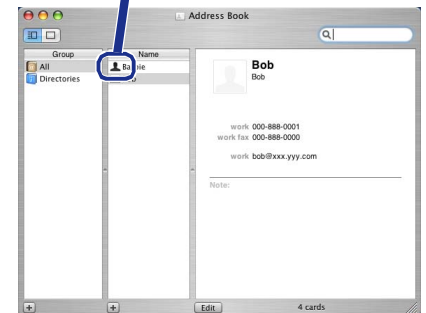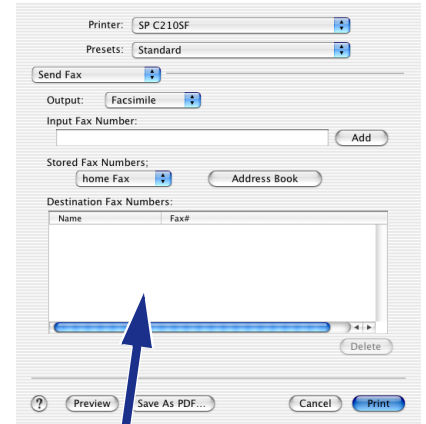When you are finished addressing your fax, click **Print**.
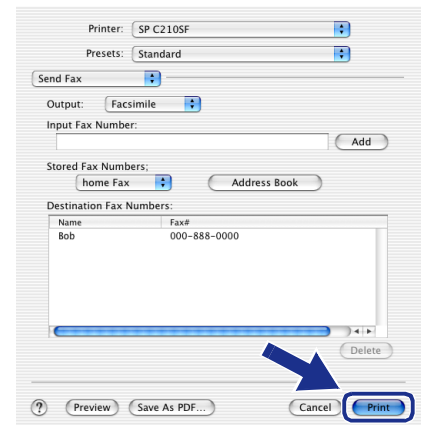
**Note**

■ The vCard used must contain a **work fax** or **home fax** number.

■ When you choose **work fax** or **home fax** from the **Stored Fax Numbers** pull-down list, only the fax number stored in the Mac OS® X **Address Book** for the selected category will be used. If the fax number is stored in only one of the Mac OS® X **Address Book** categories, the number will be retrieved no matter which category you have selected (work or home).

# 5 Appendix

## How to use a Web Browser to manage your Device

### Overview

A standard Web Browser (we recommend Safari® 1.0 or later, or Firefox® 1.0 or later) can be used to manage your machine using the HTTP (Hyper Text Transfer Protocol). You can get the following information from a printer on your network using a web browser:

■ Printer status information.
■ Change Fax configuration items, such as General Setup. Quick-Dial settings and Remote Fax.
■ You can also change network settings such as TCP/IP information.
■ Software version information of the machine and print server.
■ Change network and machine configuration details.

You must use the TCP/IP protocol on your network and have a valid IP address programmed into the print server and your computer.

1 To learn how to configure the IP address on your machine, see *Configuring your network printer* of the *Network User's Guide* on the CD-ROM.

2 The default password for print servers is "**access**".

3 You can use a web browser on your Macintosh® to connect to the machine and manage it.

### How to connect to your machine using a Browser

Type `http://printer's IP Address/` into your browser (you can also use the NetBIOS name of the print server, if you are in a Microsoft Windows domain/Workgroup environment). Enter the DNS name of the machine if connecting to a network that uses the DNS protocol.

You can have an easy access to Web Based Management System by clicking the machine icon on **Status Monitor** screen. For more information, see *Status Monitor* on page 3-1.

### Password Information

Web Based Management offers two levels of password access. Users are able to access to the General Setup, Fax settings and Lists and Reports. The default user name for Users is "**user**" (case sensitive) and the default password is "**access**".

Administrators are able to access all settings. The login name for the Administrator is "**admin**" (case sensitive) and the default password is "**access**".

# Troubleshooting

## Overview

This chapter describes procedures for troubleshooting problems you may encounter with the print server, it is divided into the following sections:

■ General problems

■ Network print problems

## General problems

### How to reset the print server to factory default

You can reset the print server back to its default factory settings (resetting all information such as the password and IP address information). See *Restoring the network settings to factory default* of the *Network User's Guide* on the CD-ROM.

## Network print problems

### The print server is not found using the Simple Network Configuration capabilities of Mac OS® X.

Make sure you have completed the IP address setting of the print server according to *Chapter 2* or *Chapter 3* of the *Network User's Guide* on the CD-ROM before installing the printer driver. Check the following:

1 Make sure that the machine is powered on, is on-line and ready to print.

2 Check to see if there is any LED activity. Print servers have two LEDs on the back panel of the machine. The upper green LED shows Link/Activity (Received/Transmit) status. The lower orange LED shows Speed status.

- No light: If the upper LED is off, then the print server is not connected to the network.
- The upper LED is green: The Link/Activity LED will be green if the print server is connected to a Ethernet network.
- The lower LED is orange: The Speed LED will be orange if the print server is connected to a 100 Base TX Fast Ethernet network.
- The lower LED is off: The Speed LED will be off if the print server is connected to a 10 Base T Ethernet network.

3 Print the Network Configuration List and check if the settings such as IP address settings are correct for your network. The problem may be the result of mismatched or duplicate IP address. Verify that the IP address is correctly loaded into the print server. And make sure that no other nodes on the network have this IP address. For information on how to print the Network Configuration List, see *Printing the Network Configuration List* of the *Network User's Guide* on the CD-ROM.

4 Verify that the print server is on your network as follows:

**For Mac OS® 9.1 to 9.2**

(1) From the **Apple** menu, open the **Chooser**.

(2) Click the **SP C210SF (IP)** icon, and make sure that your print server name appears in the right frame. If it is visible, then the connection is good. Otherwise, go to Step 5.

**For Mac OS® X 10.2.4 or greater**

(1) From the **Go** menu, select **Applications**.

(2) Open the **Utilities** folder.

(3) Double-click the **Printer Setup Utility** icon. (For **Mac OS® X 10.2.x** users, double click the **Print Center** icon)

(4) Click **Add**.

(5) Make the following selection. Make sure that your print server appears. If it is visible, then the connection is good. Otherwise, go to Step 5.
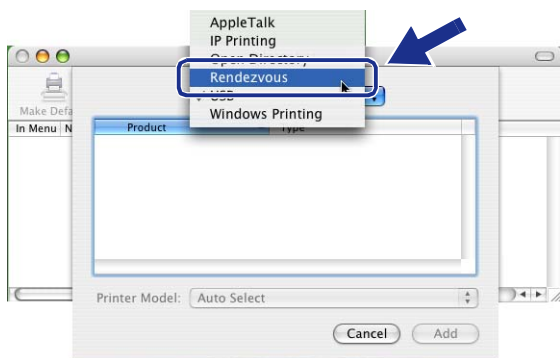


(Mac OS® X 10.2.4 - 10.3.x)
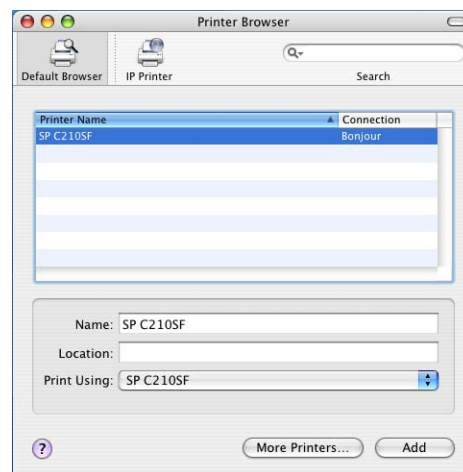


(Mac OS® X 10.4)

5 If you have tried 1 to 4 above and it does not work, then reset the print server back to the default factory settings and try from the initial setup again. For information how to reset to the default factory settings, see *Restoring the network settings to factory default* of the *Network User's Guide* on the CD-ROM.

## Error during printing

If you try to print while other users are printing large amounts of data (e.g. many pages or color pages with high resolution), the printer is unable to accept your print job until the ongoing printing is finished. If the waiting time of your print job exceeds a certain limit, a time out situation occurs, which causes the error message. In such situations, execute the print job again after the other jobs are completed.

**Note**

If none of the above steps are successful, there is almost certainly a hardware or network problem!

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