

# DocuPrint C525 A-AP

## Linux Print Driver Operation Guide

Thank you for choosing this printer.

### License Agreement for Linux Printer Driver

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[“GNU GENERAL PUBLIC LICENSE Version 2, June 1991” \(P. 21\)](#)

This is a guide on installing the Linux print driver and items that can be set for printing. To use the print driver correctly and effectively, please read this guide before using it.

This guide is written with the assumption that you are familiar with the basic knowledge, and way of operating your Linux computer and printer.

For details on how to operate the printer, please read the manual provided with the printer.

The screen images in this manual are examples from a Turbolinux 10 Desktop.

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## Conventions

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1. The following icons are used in this guide:  

<b>Important</b>	Indicates important information which you should read.
Note	Indicates additional information on operations or features.
Refer to	Indicates reference sources.
2. The following conventions are used in this guide:  

Refer to "xxx"	: The cross-reference is within this guide.
Refer to xxx	: The cross-reference is not within this guide.
[     ]	: Indicates items displayed on the computer and the printer control panel. Also indicates the title of printed reports/lists from the printer.
3. "On" and "Off" indicate the statuses in which the check box is selected and in which the check box is cleared, respectively.

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## Environments Confirmed for Operation

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The environments confirmed for the operation of the Linux print driver is as follows. The print driver uses CUPS (Common Unix Printing System) as the printing system.

### ■ Linux Distribution and CUPS Version (\*1)

- MIRACLE LINUX Version 3.0 - Asianux Inside: CUPS Version 1.1.17
- RedHat Enterprise Linux WS Version 3: CUPS Version 1.1.17
- SUSE Linux 9.2 Professional: CUPS Version 1.1.21
- Turbolinux 10 Desktop: CUPS Version 1.1.19

(\*1): The supported environments are subject to change without prior notice.  
Refer to our company's web site.

### ■ Hardware Environment

A computer with a 32-bit CPU that is x 86 compatible and can run Linux distributions.

### ■ Interface

- Parallel
- USB(\*2)
- Ethernet (supported protocol: LPR (TCP/IP))

(\*2): The USB interface must be equipped as standard. (Note, however, that operation of all USB peripheral devices is not guaranteed.)

## Preparation for Installing the Print Driver

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### Confirming the Network Configuration

---

When using this printer in a network environment (LPR protocol) connected by Ethernet, check the following settings before you start to install the print driver.

Linux computer	Printer
The configuration for IP address and TCP/IP must be set to use them.	<ul style="list-style-type: none"><li>• The IP address must be set.</li><li>• The LPD protocol must be set to [Enable]. (default: [Enable])</li></ul> <p>Refer to</p> <ul style="list-style-type: none"><li>• Setup and Quick Reference Guide</li></ul>

#### Note

- The printer settings can be confirmed by printing [Printer Settings]. Refer to the Setup and Quick Reference Guide on how to print the printer settings.
- For details on settings on the Linux computer, refer to the manual provided with the Linux computer.

### Downloading the Print Driver

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Download the print driver for the Linux operating system from our company's web site onto your computer.

#### Important

- Please take note that the communication cost will be borne by the customers.

<b>Our company's web site</b> <a href="http://www.fxprinters.com/">http://www.fxprinters.com/</a>
---

## Installing/Uninstalling the Print Driver

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The installer (RPM package) is provided with the printer to install the print driver in your Linux computer. By using the installer, you can upgrade or uninstall the print driver that has already been installed in the computer.

### Installing/Upgrading the Print Driver

---

To install or upgrade the print driver, specify the RPM package from the command line of the terminal.

The procedure is as follows.

1. Open a terminal.

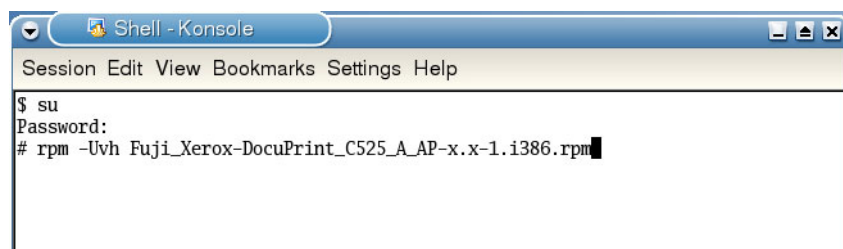
Note

- The method to open a terminal differs according to the Linux distribution. For details, refer to the manual provided with your Linux distribution.

2. Log in as a superuser and execute the following command.  
`rpm -Uvh Fuji_Xerox-DocuPrint_C525_A_AP-x.x-1.i386.rpm`

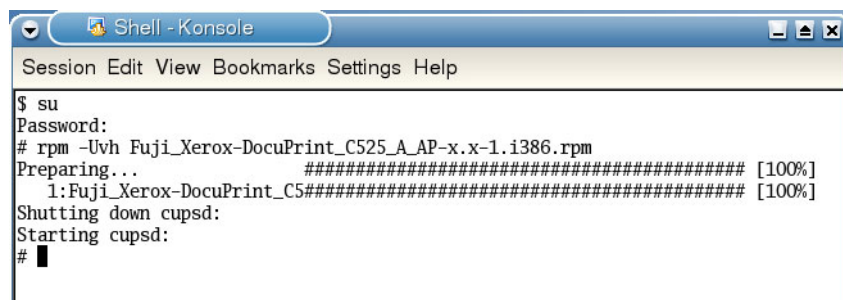
Note

- In this example the RPM package is in the current directory. If the RPM package is in a different directory, specify the path to the RPM package.
- Change x.x to the version of the file to be installed.



```
Shell - Konsole
Session Edit View Bookmarks Settings Help
$ su
Password:
# rpm -Uvh Fuji_Xerox-DocuPrint_C525_A_AP-x.x-1.i386.rpm
```

3. When the following screen appears, installation is complete. Confirm and then go to “Creating a Print Queue” (P. 7).



```
Shell - Konsole
Session Edit View Bookmarks Settings Help
$ su
Password:
# rpm -Uvh Fuji_Xerox-DocuPrint_C525_A_AP-x.x-1.i386.rpm
Preparing... ##### [100%]
 1:Fuji_Xerox-DocuPrint_C5##### [100%]
Shutting down cupsd:
Starting cupsd:
#
```

## Uninstalling the Print Driver

---

To uninstall the print driver, select the RPM package from the command line of the terminal. The procedure is as follows.

1. Open a terminal.

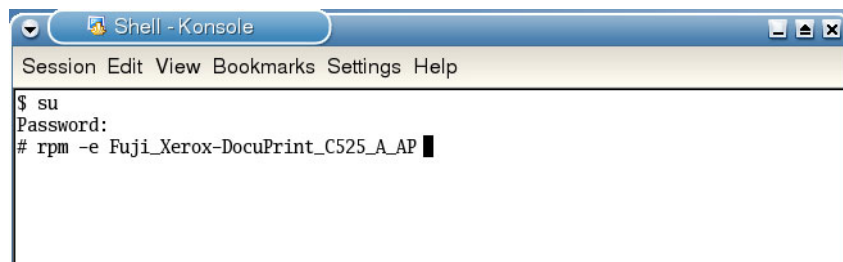
Note

- The method to open a terminal differs according to the Linux distribution. For details, refer to the manual provided with your Linux distribution.

2. Log in as a superuser and execute the following command.  
`rpm -e Fuji_Xerox-DocuPrint_C525_A_AP`

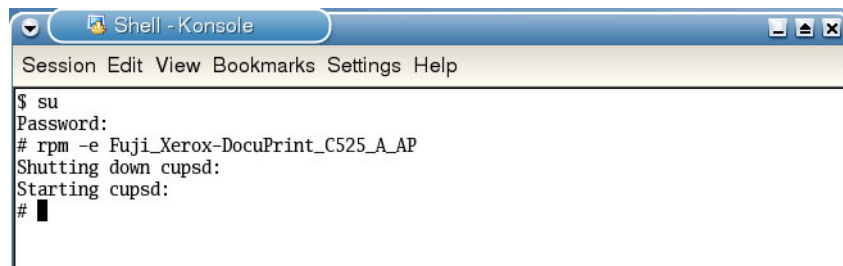
Note

- Change x.x to the version of the file to be uninstalled.



```
Shell - Konsole
Session Edit View Bookmarks Settings Help
$ su
Password:
# rpm -e Fuji_Xerox-DocuPrint_C525_A_AP
```

3. When the following screen appears, uninstallation is complete. Confirm the application has been uninstalled.



```
Shell - Konsole
Session Edit View Bookmarks Settings Help
$ su
Password:
# rpm -e Fuji_Xerox-DocuPrint_C525_A_AP
Shutting down cupsd:
Starting cupsd:
#
```

## Creating a Print Queue

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To use the printer on a Linux operating system, you must create a print queue after installing the print driver. The following describes the procedure for creating a print queue using the Web browser from the Web Management page (<http://localhost:631/>).

### Set the CUPS password (for SUSE only)

---

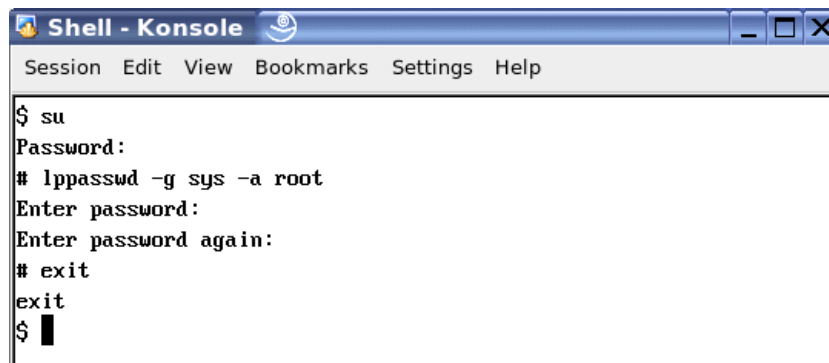
If you are using SUSE (CUPS Version 1.1.21 or later), execute the following command in the terminal window in advance, and then set the CUPS password.

1. Open a terminal.

Note

- The method to open a terminal differs according to the Linux distribution. For details, refer to the manual provided with your Linux distribution.

2. Log in as a superuser and execute the following command.  
`lppasswd -g sys -a root`



```
Shell - Konsole
Session Edit View Bookmarks Settings Help

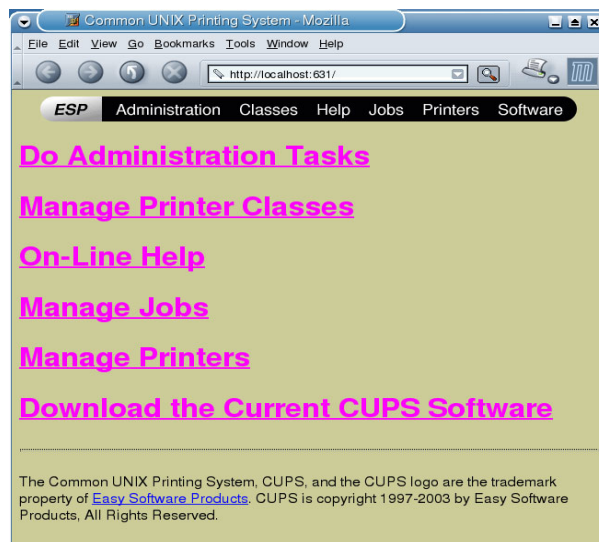
$ su
Password:
# lppasswd -g sys -a root
Enter password:
Enter password again:
# exit
exit
$
```

In step 5 of the next section, when asked to enter a password, enter the password that is set here.

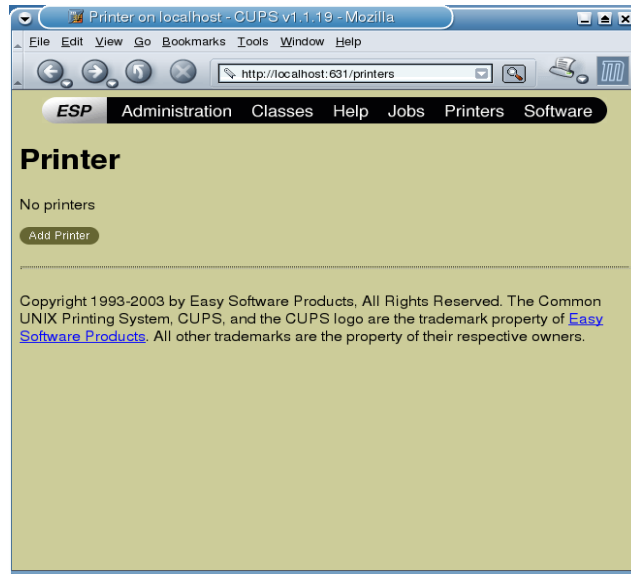
## Creation procedure

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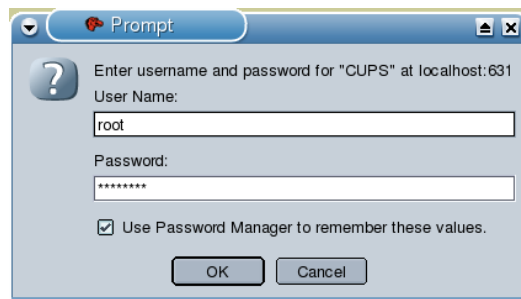
1. Make sure that the printer is on. When using the parallel or USB connection, also make sure that the Linux computer is correctly connected to the printer by the cable.
2. Start a Web browser, and then enter the following URL into the address bar to access to the CUPS Web Management page.  
<http://localhost:631/>
3. Click [Printers] or [Manage Printers].



4. Click [Add Printer].



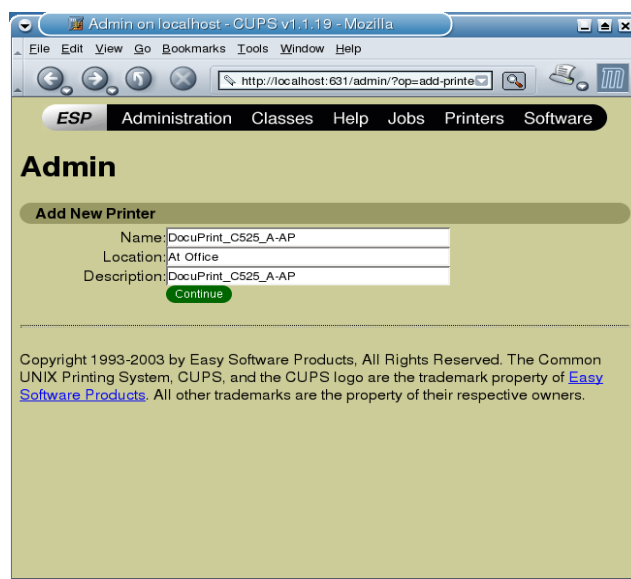
5. If the dialog box asks you to enter a user name (root) and password (CUPS's password when using SUSE), log in with a user that has administrator right.



6. Specify each item, and then click [Continue].

Note

- You can specify [Location] and [Description] for your preference.

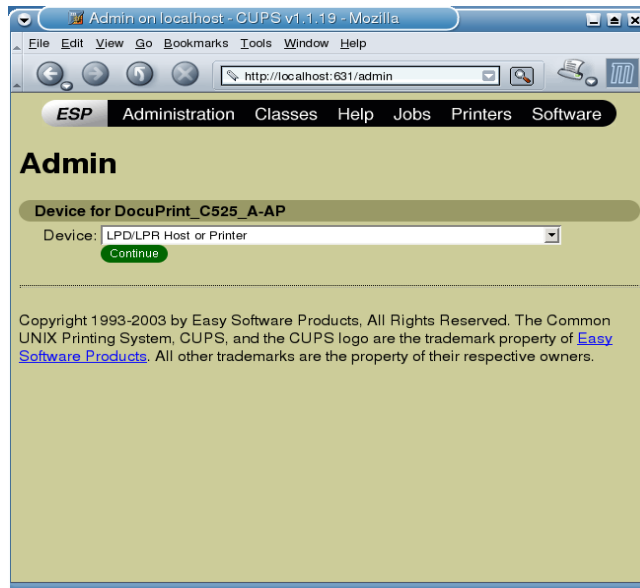


7. Follow the procedures below to add the printer, according to your connection type.



## ■ When Using an LPR Connection

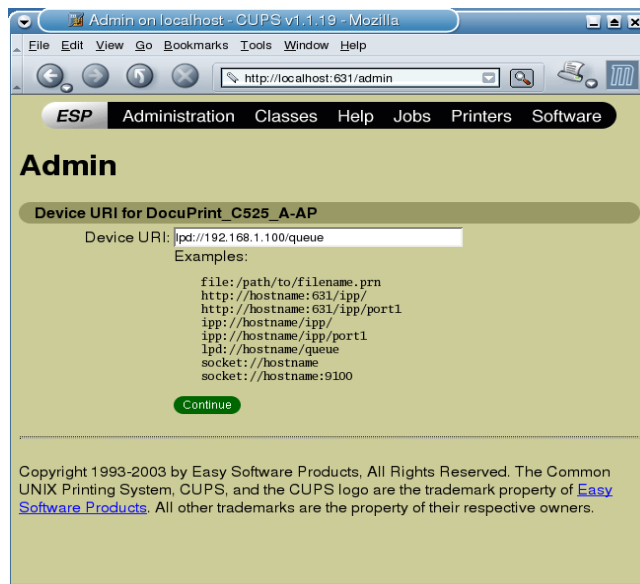
1. Select [LPD/LPR Host or Printer] from the [Device] menu, and then click [Continue].



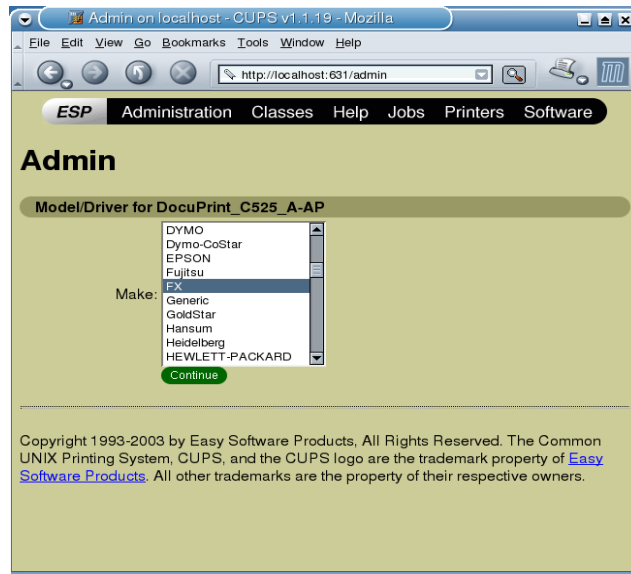
2. Enter "lpd://The IP address of the printer/The queue name" for [URI], and then click [Continue].  
The following is an example of using "192.168.1.100" for the IP address and "queue" for the queue name.

### Note

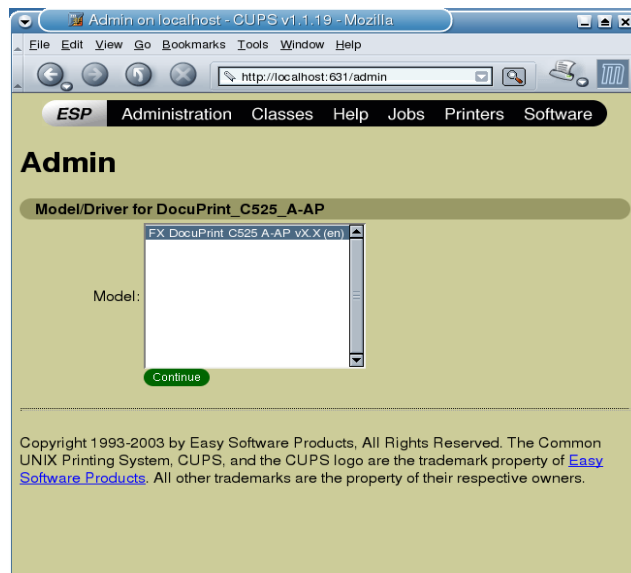
- You can specify the queue name for your preference.



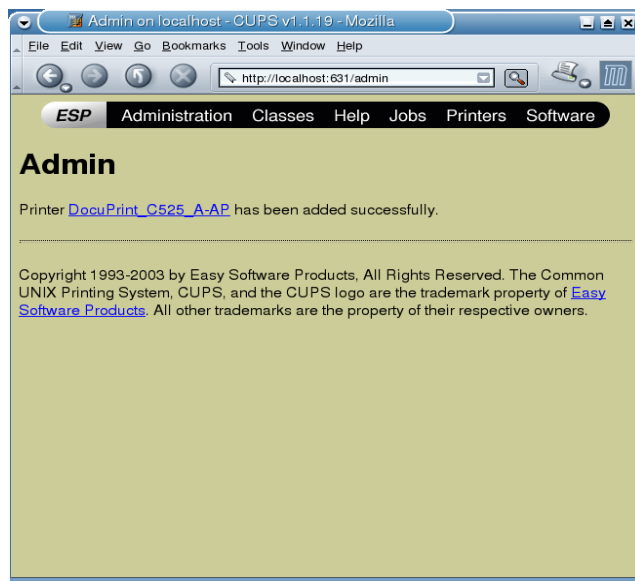
3. Select [FX] from the [Make] list, and then click [Continue].



4. Select the product name for the printer, and then click [Continue].



5. Make sure that the following message is displayed. This completes the procedure for creating the print queue.



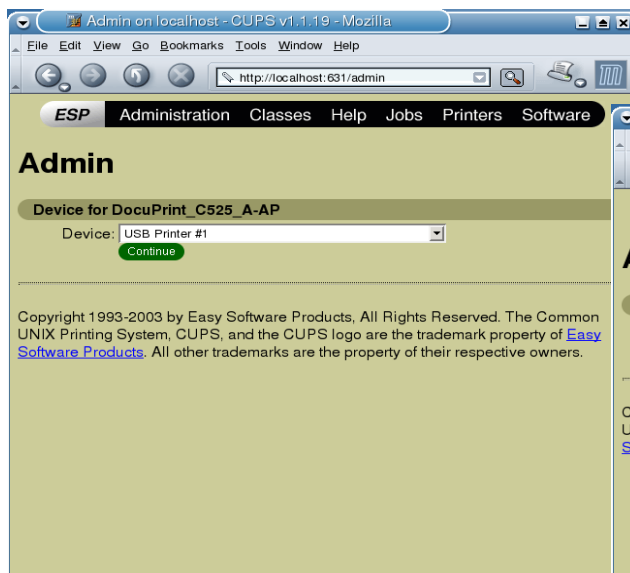
## ■ When Using a Parallel or USB Connection

1. Select [USB Printer #1] or [Parallel Port #1] according to the interface to be used from the [Device] menu, and then click [Continue].

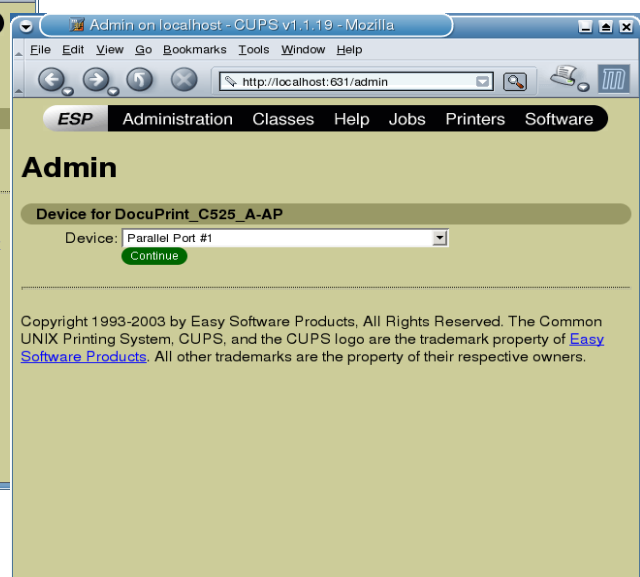
### Note

- When you start the computer while the printer is turned on and connected via a USB or a parallel connection to the computer, [USB Printer # 1 (FX DocuPrint C525\_A-AP)] or [Parallel Port #1 (FX DocuPrint C525\_A-AP)] are displayed. Make this selection.
- The value 1 in # 1 changes depending on your operating environment.

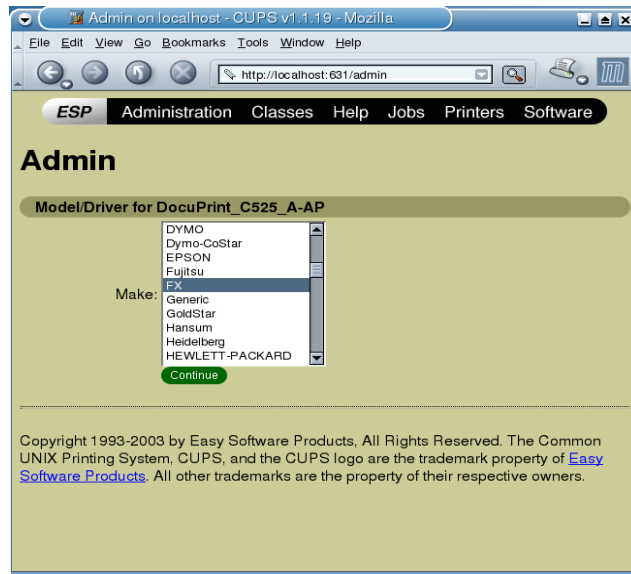
For the USB connection



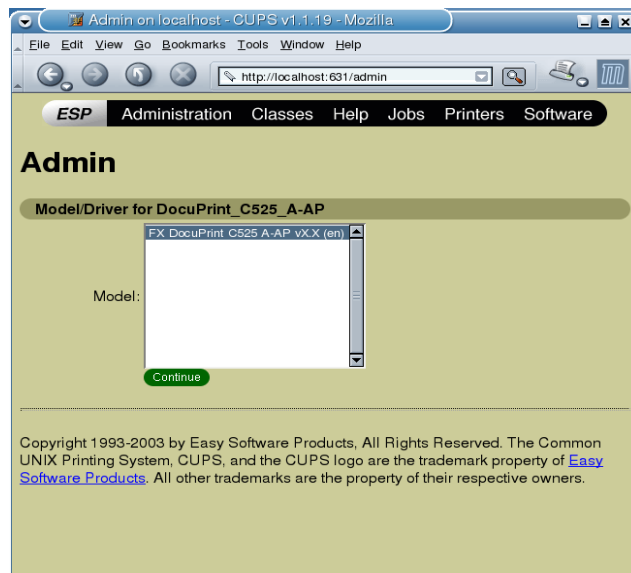
For the parallel connection



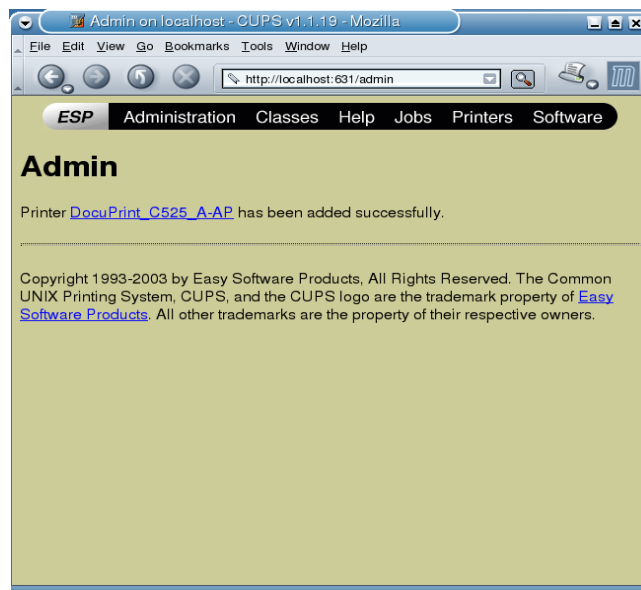
2. Select [FX] from the [Make] list, and then click [Continue].



3. Select the product name for the printer, and then click [Continue].



4. Make sure that the following message is displayed. This completes the procedure for creating the print queue.



## Setting Printer-specific Features

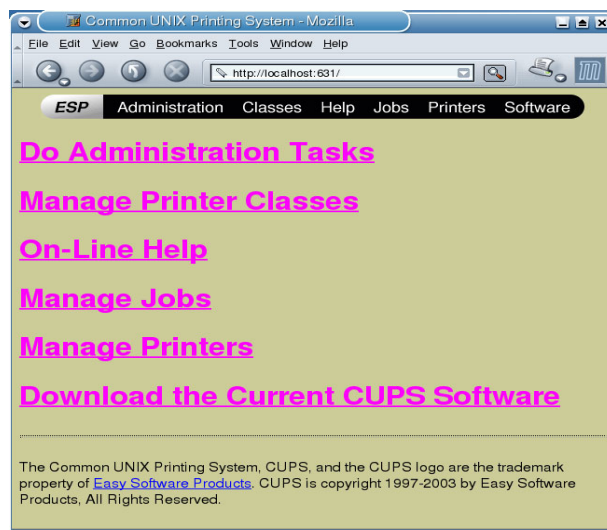
---

The printer-specific features or the configuration for optional accessories installed on the printer can be configured in the CUPS Web Management page and the printer properties dialog box of the application software.

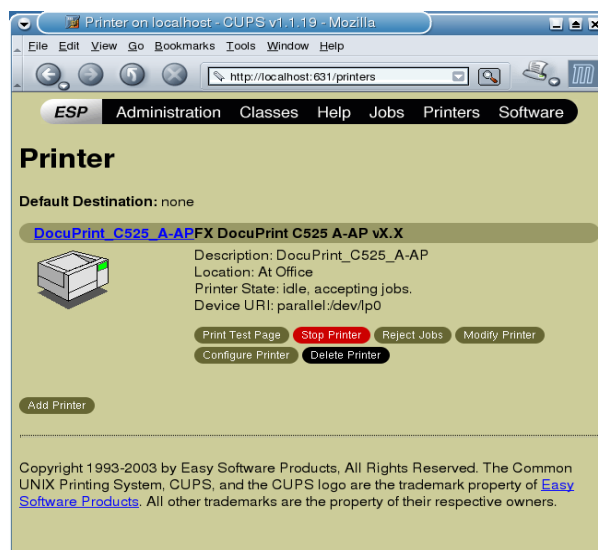
### Procedures to Configure Printer-specific in CUPS Web Management Page

---

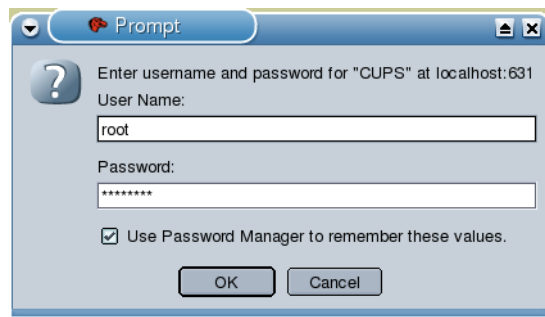
1. Start the Web browser, and then enter the following address into the address bar to access to the CUPS Web Management page.  
`http://localhost:631/`
2. Click [Printers] or [Manage Printers].



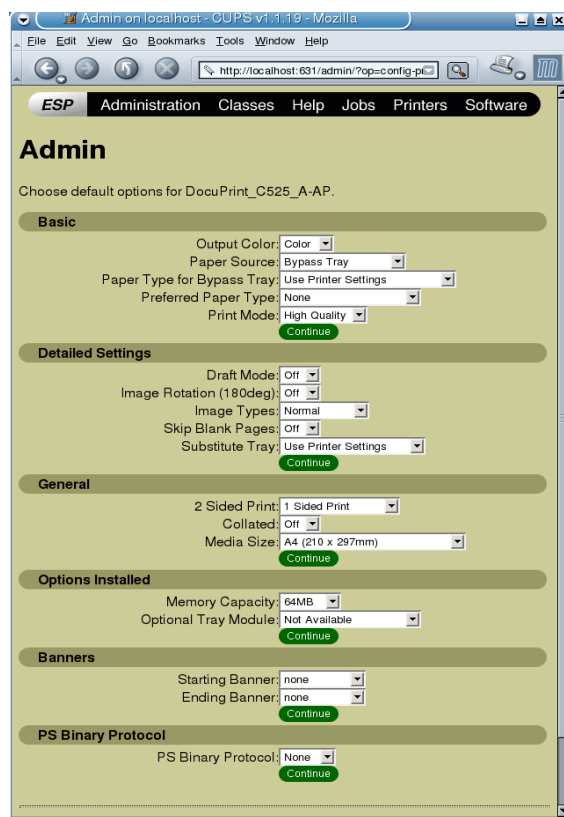
3. Click [Configure Printer].



4. If the dialog box asks you to enter a user name (root) and password (CUPS's password when using SUSE), log in with a user that has administrator right.



5. The printer setting page is displayed. Specify each item if necessary and click [Continue].



Refer to

- The feature of the items to be configured: “List of Items to be Set Specifically for this Printer” (P. 17)

## Procedures to Configure Printer-specific Features in the printer properties dialog box

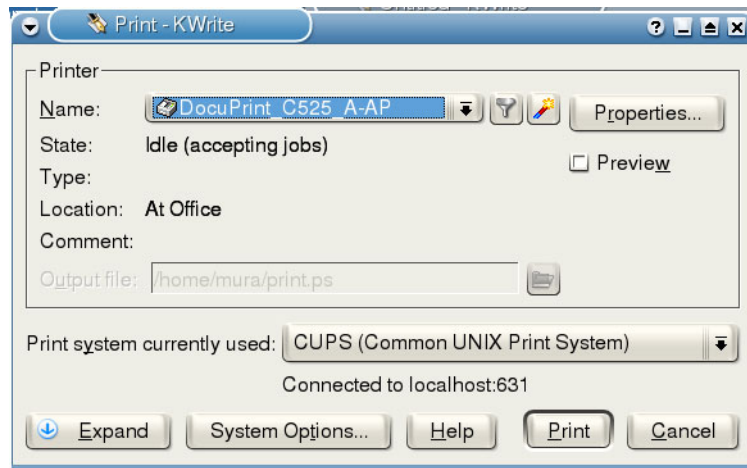
---

The following describes an example of using KWrite.

### Note

- The procedures to display the printer properties dialog box differs according to the application software. For details, refer to the manual provided with the application software.

1. Select [Print] from the [File] menu of the application.
2. Select [CUPS (Common UNIX Print System)] for [Print system currently used], and then click [Properties].



3. When the printer properties dialog box is displayed, specify each item if necessary.

### Important

- According to the Linux distribution, some settings can be displayed in Japanese. However, they are not always identical with what are written in this manual.

### Refer to

- The feature of the items to be configured: "List of Items to be Set Specifically for this Printer" (P. 17)



## List of Items to be Set Specifically for this Printer

---

The following describes the functions specific to this printer that are included in the settings that can be done in this Admin Menu.

Note

- The following terminology and different term may change when displayed depending on the Linux distribution.

### ■ Basic

#### Output Color

Select [Color] or [Black] for [Output Color]. The default is [Color].

#### Important

- When [Color] is selected, documents are printed out in color even if the document is black and white.

#### Paper Source

Configure the paper source that is used for printing.

Only [Bypass Tray] can be selected when the paper tray (optional) is not attached. Other paper sources cannot be selected.

The available options when the paper tray (optional) is attached are as follows:

[Auto] (default), [Tray 1 (250 Sheets)], [Tray 1 (500 Sheets)], [Tray 2 (500 Sheets)], [Bypass Tray]

Note

- The paper source that is displayed differs according to the paper tray attached.

#### Paper Type for Bypass Tray

Set the type of paper when printing documents on the bypass tray.

The available options are as follows:

[Use Printer Settings] (default), [Plain], [Plain - Side 2], [Bond], [Bond - Side 2], [Postcard], [Postcard - Side 2], [Heavyweight 1 (106-163g/m<sup>2</sup>) ], [Heavyweight 1 - Side 2], [Heavyweight 2 (164-216g/m<sup>2</sup>) ], [Heavyweight 2 - Side 2], [Transparency], [Labels], [Coated 1 (60-105g/m<sup>2</sup>) ], [Coated 1 - Side 2], [Coated 2 (106-163g/m<sup>2</sup>) ], [Coated 2 - Side 2], [Coated 3 (164-216g/m<sup>2</sup>) ], [Coated 3 - Side 2]

#### Important

- To set this item to an item other than [Use Printer Settings], [Paper Source] must be set to [Bypass Tray].
- When [Paper Source] is set to [Bypass Tray], the paper setting becomes [Plain] when [Use Printer Settings] is selected.

#### Preferred Paper Type

The specified paper type is automatically selected for printing from the paper source.

The available options are as follows:

[None] (default), [Plain], [Bond], [Coated 1 (60-105g/m<sup>2</sup>) ]

#### Important

- To set this item to an item other than [None], [Paper Source] must be set to [Auto].

#### Print Mode

Select the print mode from [High Quality] or [High Speed]. With [High Quality], documents are printed at 600dpi, and with [High Speed], documents are printed at 300dpi. The default is [High Quality].

## ■ Detailed Settings

### Draft Mode

When [On] is selected, printing is performed using less toner. The default is [Off].

When this feature is used, the overall printed effect is fainter than when this feature is set to [Off]. This feature is suitable for when you want to print drafts and are not concerned about print quality.

### Image Rotation (180deg)

Set whether or not to rotate images by 180 degrees when they are printed. The default is [Off].

### Image Types

Select the image type matched to the type of document you are to print.

Option	Description
Normal (default)	Prints documents with text, graphics or photos at a fast speed.
Photo	Reproduces photographs and gradation.
Presentation	Suitable for presentation documents of vivid colors.
Web Pages	Suitable for web pages.
POP	Effective for printing documents with bright colors.

### Skip Blank Pages

When [On] is set, blank pages are not printed when you print documents that include blank sheets of paper. The default is [Off].

#### Note

- This function judges if a page is blank during printing, by whether it has any graphics.
- In the following situation a blank page may be printed even if this setting is [On].
  - The page contains text with spaces.
  - There is plotted data outside the printing area.
  - White color is plotted, or plotted data is overwritten with white data.
  - When a page becomes white due to calculations for plotting.

### Substitute Tray

When [Auto] is selected at [Paper Source] in the [Basic] section of the Admin menu, set the operation when the selected size of paper is not available on the printer.

The available options are as follows:

[Use Printer Settings] (default)

Use the printer settings. Check details of settings on the printer control panel.

[Display Message]

Displays a message to load new paper on the printer control panel. Printing of the document is not resumed until new paper is loaded.

[Feed from Bypass Tray]

When there is no paper of specified size in the paper source, feed paper from the bypass tray.

## ■ General

### 2 Sided Print

If the duplex unit is attached to the printer, it can automatically print on both sides of paper. When using the 2-sided print, select [Flip on Long Edge] or [Flip on Short Edge] to match to edge to bind. Selecting [Flip on Long Edge] or [Flip on Short Edge] pivots the page images along either the long or short edge of the paper. However, the orientation of the top and bottom of the image does not change. The default is [1 Sided Print].

#### Important

- The paper sizes or types available with 2-sided print are as follows:  
Paper size: A4, B5(JIS), Letter, Legal, 8.5x13" (Legal13"), 7.25x10.5" (Executive)  
Paper type: Plain, Bond, Coated 1 (60-105g/m2)
- Even if the duplex module (option) is not mounted, duplex printing can be specified. However, doing this causes a printer error, and the job you specified will not be printed.  
The "Invalid job Press Set" message will be displayed on the control panel of the printer. Press the <Eject/Set> button.

### Collated

Selecting [On] prints a multiple-page document on the basis of the copy set. For example, if you are printing the multiple-page document, the output is 1,2,3,...1,2,3.... When selecting [Off] (default), the output is 1,1,1...2,2,2...3,3,3....

#### Note

- If there is a collate function on the application, documents may not be collated even if this item is [On]. If this happens, set collate on the application.

### Media Size

Specify the paper size to be used. The available options are as follows:

[A4 (210x297mm)], [B5 (182x257mm)], [A5 (148x210mm)], [Japanese Postcard],  
[Letter (8.5x11")], [Legal (8.5x14")], [Folio (8.5x13")], [Executive(7.25x10.5")]

#### Note

- The default is [A4 (210 x 297 mm)] or [Letter (8.5 x 11")], according to the CUPS browser setting of each distributions.

## ■ Options Installed

### Memory Capacity

Set the memory capacity of the printer.

Select [64MB] (default), [128MB], [192MB], [320MB], or [576MB] depending on the additional memory mounted on this printer.

### Optional Tray Module

Set the configuration of the paper tray (optional) to match the optional accessory mounted on this printer. The available options are as follows:

Select [Not Available] (default), [250 Sheet Feeder], [500 Sheet Feeder], or [250+500 Sheet Feeder].

## Message List

If for whatever reason data cannot be sent to the printer when printing, check the messages displayed in the printer's [Printer State] at [Manage Printers] on the CUPS Web management site. The following messages (example) are displayed on the computer. Even if the cause of the problem is the same, the message that is displayed differs according to how the printer is connected to the Linux computer.

Note

- For details on the messages that are displayed on the printer control panel and how to remedy errors, refer to the manual provided with the printer.

Message (example)	Connection Method	Condition/Reason/Action
After "Attempting to connect to host xxx.xxx.xxx.xxx for printer ****" (xxx.xxx.xxx.xxx indicates the IP address, and *** indicates the printer queue name) appears "Unable to connect to printer; will retry in 30 seconds...: Connection time out" appears. Or "Network host xxx.xxx.xxx.xxx is busy, down, or unreachable; will retry in 30 seconds..." appears.	LPR	The printer's power is off or not connected correctly. Or, after the computer sent the print command, the power to the printer was turned off or it came unconnected before the data was sent to the printer or while data was being transmitted (only when using a USB or Parallel connection). Make sure that the power to the printer is turned on, and that the cables are correctly connected. This message is displayed if for some other reason the printer cannot receive data. Check if an error message is not displayed on the printer's control panel.
"Unable to open USB device***: No such device" (*** indicates the URI for a USB device)	USB	
"processing, accepting jobs".	Parallel	
"Spooling LPR job, xx% complete..." (xx% indicates the percentage of the spooling that is complete)	LPR	When LPR connection is used, after the computer sent the print command, the power to the printer was turned off or it came unconnected while the data was being sent to the printer. Turn on the power to the printer.

## Possible Problems

Note the following things, which are some things that were discovered while confirming which operating environments are supported.

- The initial value for the Media Size (paper size) may be Letter, depending on the distribution.
- Printing may not be done correctly if you are using OpenOffice.org version 1.0.x. Upgrade your version of OpenOffice.
- If you specify multiple pages/sheet in [Print options page view] in OpenOffice.org or StarSuite, the multiple pages are not output in the correct layout.

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## Version 2, June 1991

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