KYOCERA

FS-C5100DN
FS-C5200DN
FS-C5300DN

Operation Guide

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Legal and Safety Information

CAUTION NO LIABILITY IS ASSUMED FOR ANY DAMAGE CAUSED BY IMPROPER INSTALLATION.

Notice on Software

SOFTWARE USED WITH THIS PRINTER MUST SUPPORT THE PRINTER'S EMULATION MODE. The printer is factory-set to emulate the PCL.

Notice

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Compliance and Conformity

FCC statement (for users in the United States)

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

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 communications. This equipment may cause harmful interference to radio or television reception. This can be determined by turning the equipment off and on. If interference is experienced, you should to try to correct it by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the distance between the equipment and the receiver.
- Connect the equipment into an outlet on a circuit different from that used for the receiver.
- Consult your service technician or an experienced radio/TV technician for help.

Changes or modifications not expressly approved by the manufacturer for compliance could void the user's authority to operate the equipment. Shielded circular cables should be used for interfacing with the computer.

Precautions for Use

Any modifications without prior permission of Kyocera may cause harmful interference.

If any modifications or changes are made to this equipment without prior permission of Kyocera, Kyocera as the manufacturer does not guarantee the compliance with the FCC Rules. The use of equipment that does not comply with the FCC Rules is prohibited.

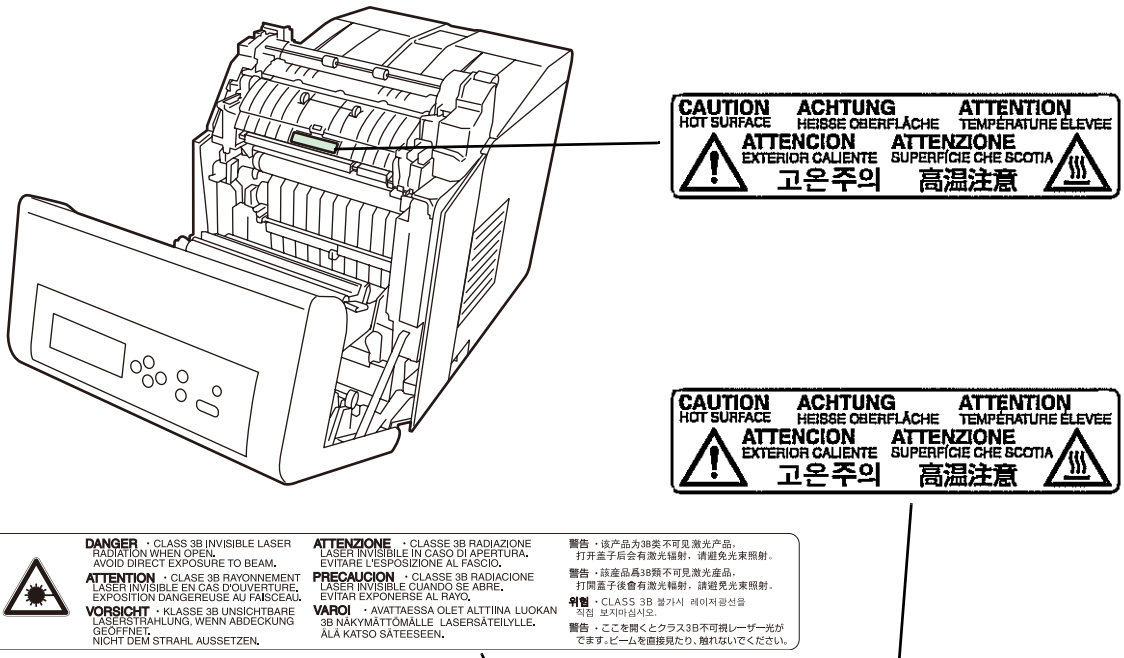
Interface connectors

Important Be sure to power off the printer before connecting or disconnecting an interface cable. For protection against static electricity discharge to the printer's internal electronics through the interface connector(s), cover any interface connector that is not in use with the protective cap supplied.

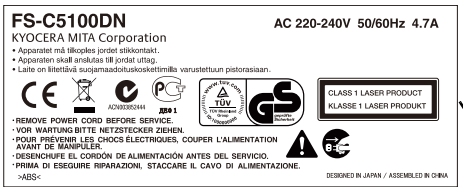
Note Use shielded interface cables.

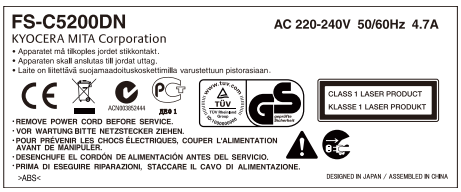
Cautionary Labels

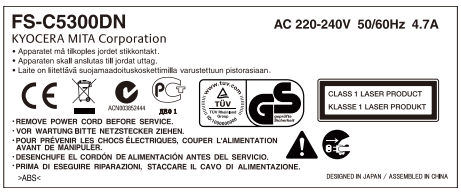
The printer bears any of the following labels.

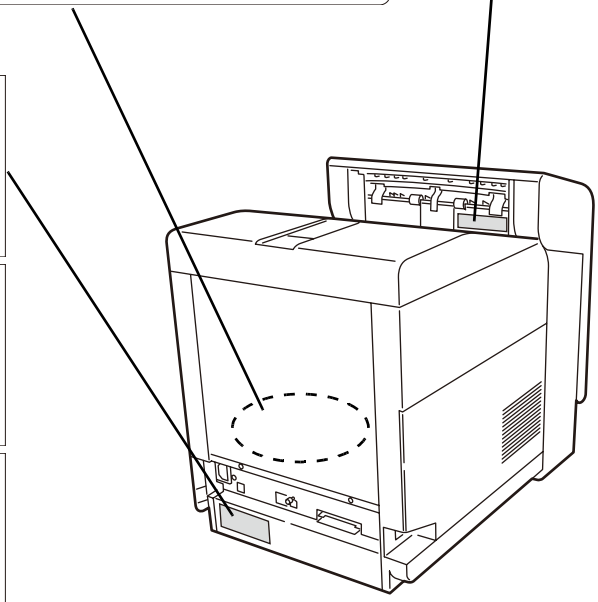


For Europe, Asia, and other countries

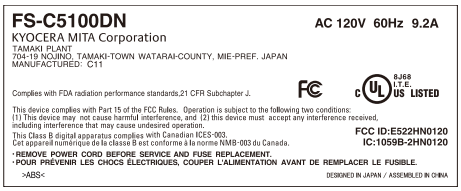


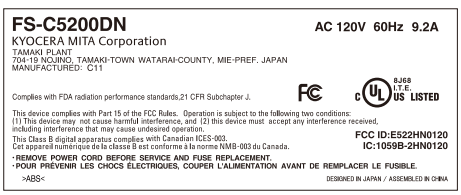


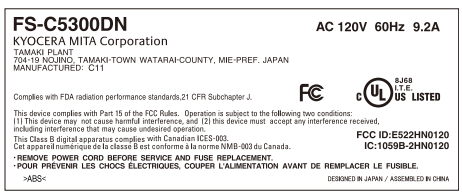




For U.S.A. and Canada







Ozone concentration

The printers generate ozone gas (O_3) which may concentrate in the place of installation and cause an unpleasant smell. To minimize the concentration of ozone gas to less than 0.1 ppm, we recommend you not to install the printer in a confined area where ventilation is blocked.

Declaration of Conformity for U.S.A.

Model name: Color Page Printer FS-C5100DN/FS-C5200DN/ FS-C5300DN
Trade name: Kyocera Mita
Responsible party: Kyocera Mita America, Inc.
Address: 225 Sand Road PO Box 40008 Fairfield, New Jersey 07004-0008, U.S.A.
Telephone: (973) 808-8444
Fax: (973) 882-6000

Manufacturer: Kyocera Mita Corporation Tamaki Plant
Manufacturer's address: 704-19, Nojino, Tamaki-cho, Watarai-gun, Mie-ken 519-0497, Japan

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

The manufacturer and its merchandising companies retain the following technical documentation in anticipation of the inspection that may be conducted by the authorities concerned.

User's instruction that conforms to the applicable specifications.
Technical drawings.
Descriptions of the procedures that guarantee the conformity.
Other technical information.

Kyocera Mita America Inc.

CE Marking Directive

According to Council Directive 2004/108/EC, 93/68/EEC and 73/23/EEC

Manufacturer: Kyocera Mita Corporation Tamaki Plant
Manufacturer's address: 704-19, Nojino, Tamaki-cho, Watarai-gun, Mie-ken 519-0497, Japan

Declares that the product

Product name: Color Page Printer

Model number: FS-C5100DN/FS-C5200DN/FS-C5300DN (as tested with enhancement optional units; Paper Feeder PF-500/PF-510)

Conforms to the following product specifications:

EN 55 022: 1998 Class B
EN 61 000-3-2: 2000
EN 61 000-3-3: 1995
EN 55 024: 1998
EN 60 950: 2000

The manufacturer and its merchandising companies retain the following technical documentation in anticipation of the inspection that may be conducted by the authorities concerned.

User's instruction that conforms to the applicable specifications.
Technical drawings.
Descriptions of procedures that guarantee conformity.
Other technical information.

Declaration of Conformity (Australia)

Manufacturer: Kyocera Mita Corporation Tamaki Plant
Manufacturer's address: 704-19, Nojino, Tamaki-cho, Watarai-gun, Mie-ken 519-0497, Japan

declares that the product

Product name: Color Page Printer
Model name: FS-C5100DN/FS-C5200DN/FS-C5300DN

Description of devices: This Page Printer Model FS-C5100DN is the 21 ppm, FS-C5200DN is the 21 ppm, FS-C5300DN is the 26 ppm (monochrome/color), A4 size and utilized plain paper; dry toner; etc. The printer can be equipped with several enhancement optional units as a paper feeder as PF-500/PF-510.

conforms to the following product specifications:

AS/NZS 3548: 1995 (EN 55 022: 1998 Class B)

IEC60950 (EN 60 950): 1999

The manufacturer and its merchandising companies retain the following technical documentation in anticipation of the inspection that may be conducted by the authorities concerned.

User's instruction that conforms to the applicable specifications
Technical drawings
Descriptions of procedures that guarantee conformity
Other technical information

The manufacturer has been employed with ISO9001 scheme. JQA and BS have attested the manufacturer.

Kyocera Mita Australia Pty., Ltd.
6-10 Talavera Road, North Ryde, NSW 2113, Australia
Telephone: +61 2-9888-9999
Fax: +61 2-9888-9588

Canadian Department of Communications Compliance Statement

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

Avis de conformité aux normes du ministere des Communications du Canada

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

ISO 7779

Maschinenlärminformations-Verordnung 3. GPSGV: Der höchste Schalldruckpegel beträgt 70 dB (A) oder weniger gemäß EN ISO 7779.

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Energy Saving Control Function

The device comes equipped with a **Low Power** Mode where energy consumption is reduced after a certain amount of time elapses since the device was last used, as well as a **Sleep Mode** where printer functions remain in a waiting state but power consumption is still reduced to a minimum when there is no activity with the device within a set amount of time.

Low Power Mode

The device automatically enters Low Power Mode when 10 minutes have passed since the device was last used. The amount of time of no activity that must pass before Low Power Mode is activated may be lengthened. For more information refer to *LowPower Timer (Low-power timer setting)* in the *Advanced Operation Guide*.

Sleep

The device automatically enters Sleep when 15 minutes have passed since the device was last used. The amount of time of no activity that must pass before Sleep is activated may be lengthened. For more information see *Sleep Timer (Sleep timer timeout setting)* in the *Advanced Operation Guide*.

Automatic 2-Sided Copy Function

This device includes 2-sided printing as a standard function. For example, by printing two 1-sided originals onto a single sheet of paper as a 2-sided print, it is possible to lower the amount of paper used. For more information see *Duplex Printing* in the *Advanced Operation Guide*.

Paper Recycling

This device supports the recycled paper which reduces the load on the environment. Your sales or service representative can provide information about recommended paper types.

Energy Star®

As an ENERGY STAR Partner, we have determined that this product meets the ENERGY STAR guidelines for energy efficiency.

The basic objective of the ENERGY STAR Program is to reduce environmental pollution by encouraging the manufacture and sale of equipment that uses energy more efficiently.

This printer is equipped with a sleep timer function that conforms with the standards of the ENERGY STAR Program. This function makes it possible to reduce the amount of electrical power consumed by the printer. For maximum power savings, turn off the printer's power supply when not using the printer for extended periods of time.

For details on the sleep timer function and printer power consumption, refer to this manual.

Initial settings of the sleep timer function and power saved using the sleep timer function:

	FS-C5100DN	FS-C5200DN	FS-C5300DN
Initial Auto Sleep Setting	5 minutes (60 minutes)	5 minutes (60 minutes)	15 minutes (60 minutes)
Power consumption in Auto Sleep	16W (45W) [for USA and Canada] 16W (45W) [for Europe, Asia, and other countries]	15W (45W) [for USA and Canada] 19W (45W) [for Europe, Asia, and other countries]	18W (70W) [for USA and Canada] 21W (70W) [for Europe, Asia, and other countries]

( ): ENERGY STAR program guideline

Group for Energy Efficient Appliances (GEEA)

The goal of GEEA is efficient use of energy. This product has a high-efficiency profile and meets the criteria for receiving the GEEA-Label.

	FS-C5300DN
Initial Auto Sleep Setting	15 minutes (30 minutes)
Power Consumption - Power off - Auto Sleep	 0W (1W) 21W (30W)

( ): GEEA criteria

Installation Precautions

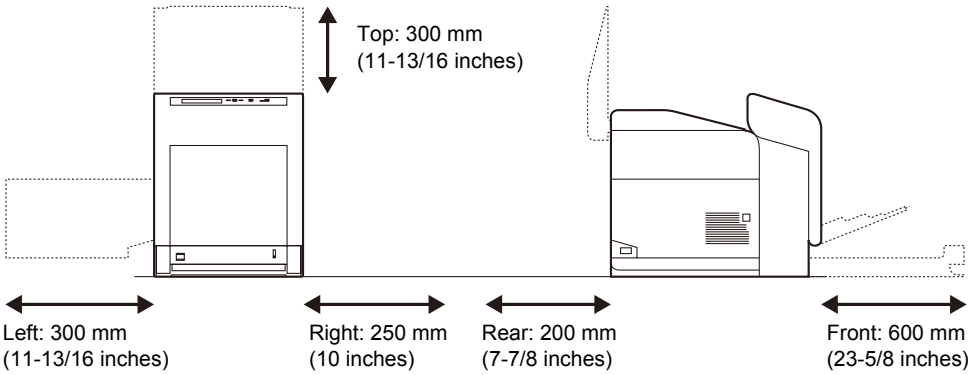
Environment

CAUTION Avoid placing the printer on or in locations which are unstable or not level. Such locations may cause the printer to fall. This type of situation presents a danger of personal injury or damage to the printer.

Avoid locations with humidity or dust and dirt. If dust or dirt becomes attached to the power plug, clean the plug to avoid the danger of fire or electrical shock.

Avoid locations near radiators, heaters, or other heat sources, or locations near flammable items, to avoid the danger of fire.

To keep the printer cool and facilitate changing of parts and maintenance, allow access space as shown below. Leave adequate space, especially around the side cover, to allow air to be properly ventilated from the printer.



Other Precautions

Adverse environmental conditions may affect the safe operation and performance of the printer. Install in an air-conditioned room (recommended room temperature: around 23 °C, humidity: around 60% RH) and avoid the following locations when selecting a site for the printer.

- Avoid locations near a window or with exposure to direct sunlight.
- Avoid locations with vibrations.
- Avoid locations with drastic temperature fluctuations.
- Avoid locations with direct exposure to hot or cold air.
- Avoid poorly ventilated locations.

If the flooring is of a soft material, it may be damaged by the casters when this product is moved after installation.

Power Supply/Grounding the Printer

WARNING Do not use a power supply with a voltage other than that specified. Avoid multiple connections in the same outlet. These types of situations present a danger of fire or electrical shock.

Plug the power cord securely into the outlet. If metallic objects come in contact with the prongs on the plug, it may cause a fire or electric shock.

Always connect the printer to an outlet with a ground connection to avoid the danger of fire or electrical shock in case of an electric short. If an earth connection is not possible, contact your service representative.

Other Precautions

Connect the power plug to the closest outlet possible to the printer.

Handling of Plastic Bags

WARNING Keep the plastic bags that are used with the printer away from children. The plastic may cling to their nose and mouth causing suffocation.

Precautions for Use

Cautions when Using the Printer

- **Do not** place metallic objects or containers with water (flower vases, flower pots, cups, etc.) on or near the printer. This type of situation presents a danger of fire or electrical shock should they fall inside.
- **Do not** remove any of the covers from the printer as there is a danger of electrical shock from high voltage parts inside the printer.
- **Do not** damage, break or attempt to repair the power cord. Do not place heavy objects on the cord, pull it, bend it unnecessarily or cause any other type of damage.These types of situations present a danger of fire or electrical shock.
- **Never** attempt to repair or disassemble the printer or its parts as there is a danger of fire, electrical shock or damage to the laser. If the laser beam escapes, there is a danger of it causing blindness.
- If the printer becomes excessively hot, smoke appears from the printer, there is an odd smell, or any other abnormal situation occurs, there is a danger of fire or electrical shock. Turn the power switch OFF (○) immediately, remove the power plug from the outlet and contact your service representative.
- If anything harmful (paper clips, water, other fluids, etc.) falls into the printer, turn the power switch OFF (○) immediately. Next, remove the power plug from the outlet to avoid the danger of fire or electrical shock. Then contact your service representative.
- **Do not** remove or connect the power plug with wet hands, as there is a danger of electrical shock.
- **Always** contact your service representative for maintenance or repair of internal parts.
- **Do not** pull the power cord when removing it from the outlet. If the power cord is pulled, the wires may become broken and there is a danger of fire or electrical shock. (Always grasp the power plug when removing the power cord from the outlet.)
- **Always** remove the power plug from the outlet when moving the printer. If the power cord is damaged, there is a danger of fire or electrical shock.
- If the printer will not be used for a short period of time (overnight, etc.), turn the power switch OFF (○). If it will not be used for an extended period of time (vacations, etc.), remove the power plug from the outlet for safety purposes during the time the printer is not in use.
- For safety purposes, **always** remove the power plug from the outlet when performing cleaning operations.
- If dust accumulates within the printer, there is a danger of fire or other trouble. It is therefore recommended that you consult with your service representative in regard to cleaning of internal parts. This is particularly effective if accomplished prior to seasons of high humidity. Consult with your service representative in regard to the cost of cleaning the internal parts of the printer.

Other Precautions

- **Do not** place heavy objects on the printer or cause other damage to the printer.
- **Do not** open the top/left/rear cover, turn off the main switch, or pull out the power plug during printing.
- During printing, some ozone is released, but the amount does not cause any ill effect to one's health. If, however, the printer is used over a long period of time in a poorly ventilated room or when printing an extremely large number of copies, the smell may become unpleasant. To maintain the appropriate environment for print work, it is suggested that the room be properly ventilated.
- **Do not** touch electrical parts, such as connectors or printed circuit boards. They could be damaged by static electricity.
- **Do not** attempt to perform any operations not explained in this handbook.
- If the printer will not be used for an extended period of time, remove the paper from the cassette, return it to its original package and reseal it.

CAUTION Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.

Cautions for Toner Handling

- **Do not** incinerate toner and toner containers. Dangerous sparks may cause burn.
- **Never** open the toner container.
- **Do not** inhale the toner.
- If you get toner on your hands, **do not** rub your eyes or touch your mouth. Wash the toner from your hands.
- For the disposal of the old toner container, consult your service technician or dispose of the toner or toner containers in accordance with Federal, State and Local rules and regulations.

About the Operation Guide

This Operation Guide has the following chapters:

Chapter 1 - Machine Parts

This chapter explains the names of parts.

Chapter 2 - Printing Operation

This chapter explains how to print from your workstation.

Chapter 3 - Maintenance

This chapter explains how to replace the toner container and how to care for your printer.

Chapter 4 - Troubleshooting

This chapter explains how to handle printer problems that may occur, such as paper jams.

Chapter 5 - Specifications

This chapter lists the printer's specifications.

Conventions

This manual uses the following conventions.

Convention	Description	Example
Italic Typeface	Used to emphasize a key word, phrase or message. In addition, references to other publications are displayed in italic typeface.	A *Completed* message displays and the *Copy Basic* screen returns.
Notes	Used to provide additional or useful information about a function or feature. Can also contain references to other publications.	**Note** For information about storing the pin, refer to step 10.
Important	Use to provide important information.	**Important** Ensure paper is not folded, curled, or damaged.
Caution	Cautions are statements that suggest *mechanical* damage as a result of an action.	**CAUTION** Do not pull the cassette out when holding the front of the machine.
Warning	Used to alert users to the possibility of *personal* injury.	**WARNING** High voltage is present in the charger section.

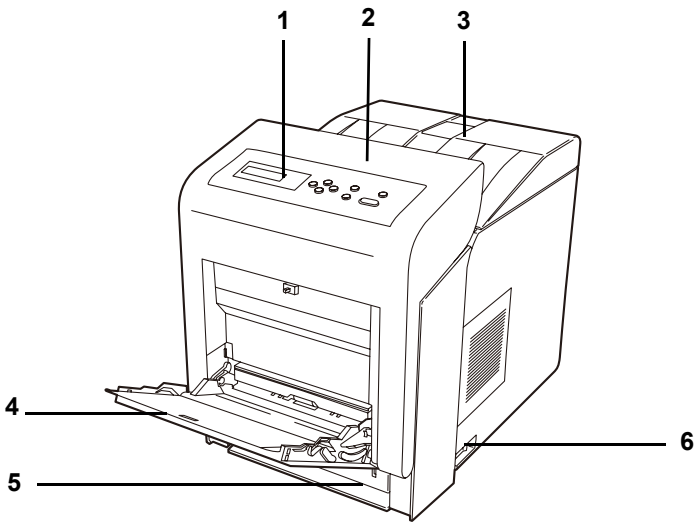
1 Machine Parts

This section provides explanations and illustrations for you to determine the parts and their functions. Try to be familiar with the names and functions of these parts for correct use and optimal performance.

This chapter contains explanations on the following topics:

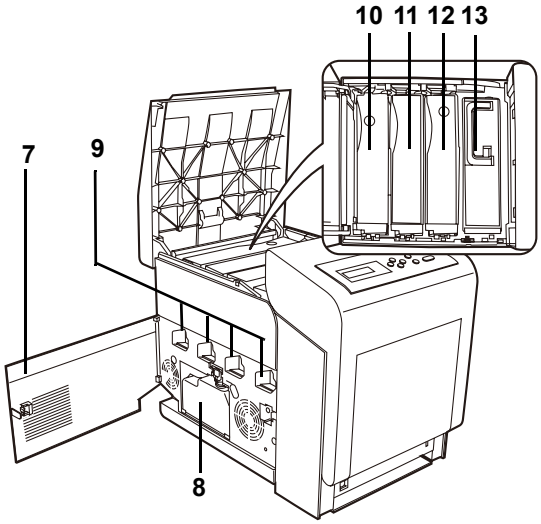
Components at the Front of the Printer 1-2
Components at the Left of the Printer 1-2
Internal Components 1-3
Components at the Rear of the Printer 1-3
Operation Panel 1-4

Components at the Front of the Printer



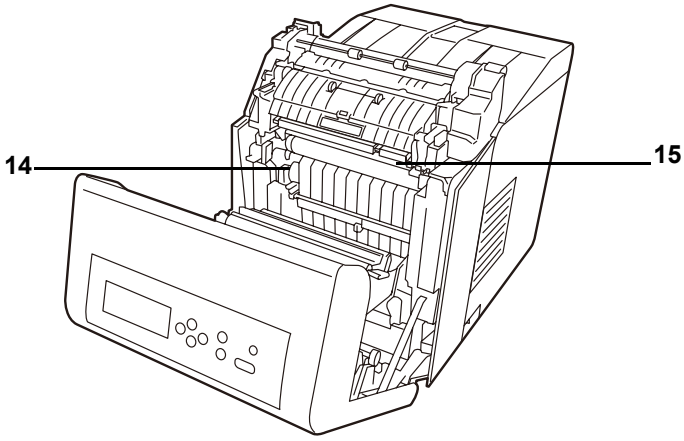
1 Operation Panel
2 Front Cover
3 Face-down Tray (Top Tray)
4 MP (Multi-Purpose) Tray
5 Paper Cassette
6 Power Switch

Components at the Left of the Printer



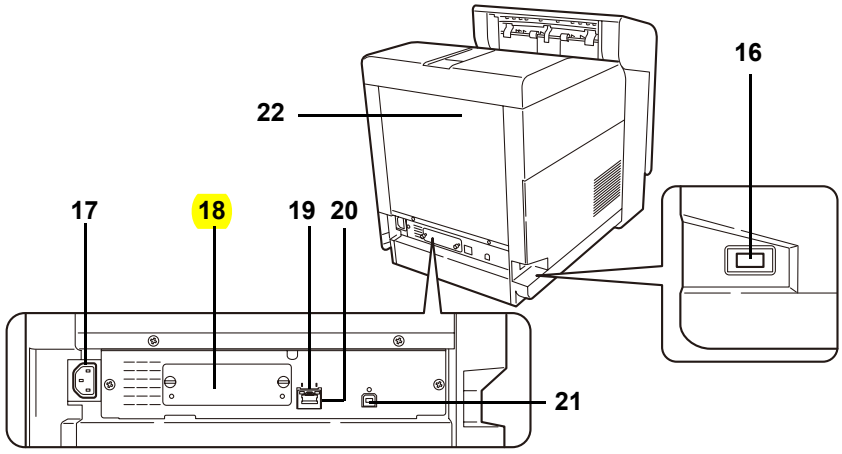
7 Left Cover
8 Waste Toner Box
9 Main Charger Units on the Drum Units
10 Magenta Toner Container (M)
11 Cyan Toner Container (C)
12 Yellow Toner Container (Y)
13 Black Toner Container (K)

Internal Components



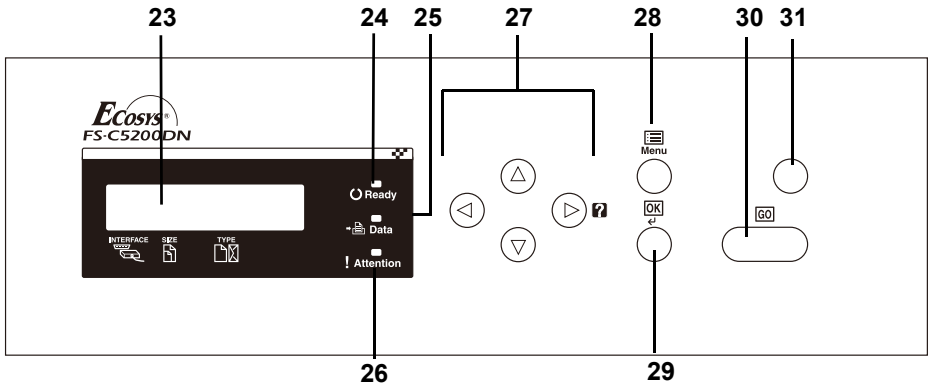
14 Paper Transfer Unit
15 Envelope Switch

Components at the Rear of the Printer



16 USB Memory Slot
17 Power Cord Connector
18 Option Interface Slot
19 Network Interface
20 Network indicators
21 USB Interface
22 Rear Cover

Operation Panel



23 Message Display
24 Ready Indicator
25 Data Indicator
26 Attention Indicator
27 Arrow Key
28 [MENU] Key
29 [OK] ([ENTER]) Key
30 [GO] Key
31 [CANCEL] Key

2 Printing Operation

This chapter contains explanations on the following topics:

Changing Network Interface Parameters 2-2
Printing a Network Interface Status Page 2-9
Loading Printer Driver 2-11
Printing from Application Software 2-14

Changing Network Interface Parameters

This printer supports TCP/IP, TCP/IP (IPv6), NetWare, AppleTalk, IPP, SSL Server and IPSec protocols (For details see *Advanced Operation Guide*.)

TCP/IP, TCP/IP (IPv6) settings

1 Press **[MENU]**.

2 Press △ or ▽ repeatedly until `Network >` appears.

```
Network          >
```

3 Press ▷. Each time you press △ or ▽, the selection changes. Refer to the explanations below when specifying the settings.

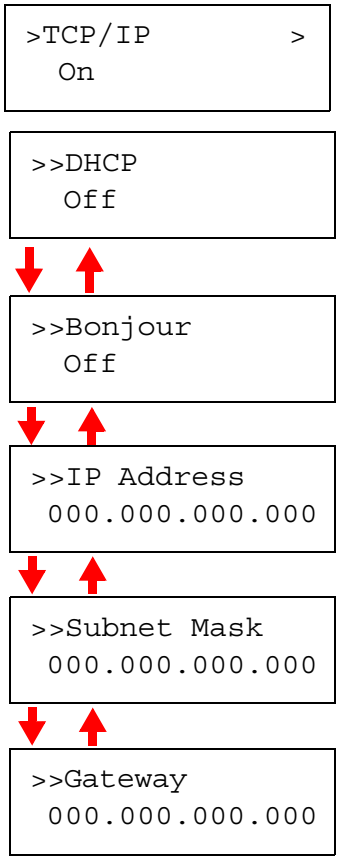
```
>TCP/IP          >
  Off
```

Set this item to `On` when you connect to a network using `TCP/IP`. Submenu has items including `DHCP`, `Bonjour`, `IP Address`, `Subnet Mask` and `Gateway`.

```
>TCP/IP (IPv6)   >
  Off
```

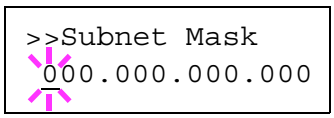
Set this item to `On` when you connect to a network using `TCP/IP (IPv6)`. Submenu has items including `ICMPv6(NDP)`, `DHCPv6` and `Prefix Length`.

TCP/IP



1 This section describes how to enable the TCP/IP protocol. If `TCP/IP` is set to `Off`, use △ or ▽ to select `On` and press **[OK] ([ENTER])**.

2 Press ▷. Each time you press △ or ▽, the selection changes.



3 Display the item you want to set and press **[OK] ([ENTER])**. A blinking question mark (`?`) appears while you are setting `DHCP` and `Bonjour`. A blinking cursor (_) appears while you are setting `IP Address`, `Subnet Mask` and `Gateway`.

4 Press △ or ▽ to select `On` or `Off` as the setting for `DHCP` and `Bonjour`.

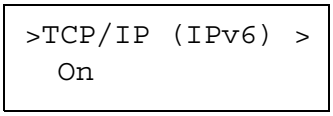
For the `IP Address`, `Subnet Mask` and `Gateway` settings, press △ or ▽ to move the blinking cursor to the number you want to change (`000` to `255`). Use ◁ and ▷ to move the cursor right and left.

Note Check with your network administrator for the network address settings.

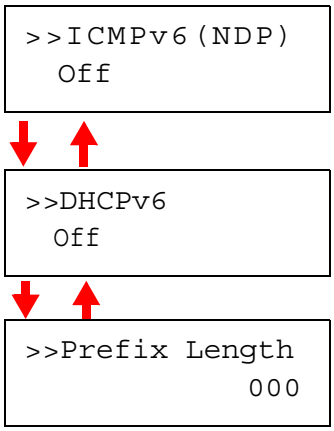
5 Press **[OK] ([ENTER])**.

6 Press **[MENU]**. The display returns to `Ready`.

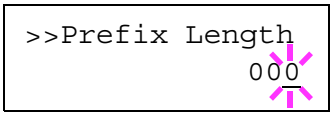
TCP/IP (IPv6)



1 This section describes how to enable the TCP/IP (IPv6) protocol. If `TCP/IP (IPv6)` is set to `Off`, use △ or ▽ to selecto `On` and press **[OK] ([ENTER])**.



2 Press ▷. Each time you press △ or ▽, the selection changes.



3 Display the item you want to set and press **[OK] ([ENTER])**. A blinking question mark (`?`) appears while you are setting `ICMPv6(NDP)` and `DHCPv6`. A blinking cursor (_) appears while you are setting `Prefix Length`.

4 Press △ or ▽ to select `On` or `Off` as the setting for `ICMPv6(NDP)` and `DHCPv6`.

For the `Prefix Length` settings, press △ or ▽ to move the blinking cursor to the number you want to change (`000` to `128`). Use ◁ and ▷ to move the cursor right and left.

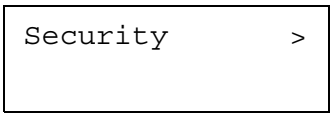
Note Check with your network administrator for the network address settings.

5 Press **[OK] ([ENTER])**.

6 Press **[MENU]**. The display returns to `Ready`.

NetWare, AppleTalk, IPP, SSL Server and IPSec settings

1 Press **[MENU]**.



2 Press △ or ▽ repeatedly until `Security >` appears.

3 Press ▷. Each time you press △ or ▽, the selection changes. Refer to the explanations below when specifying the settings.

```
ID
_
```

If you are using NetWare, AppleTalk, IPP, SSL Server or IPSec to connect to a network, you must enter an administrator ID. By default, the administrator ID is 000000. For details, see "*Admin (Administrator Settings)*" in the *Advanced Operation Guide*.

```
Password
_
```

If you are using NetWare, AppleTalk, IPP, SSL Server or IPSec to connect to a network, you must enter an administrator password. By default, the administrator password is 000000. For details, see "*Admin (Administrator Settings)*" in the *Advanced Operation Guide*.

```
>NetWare        >
  Off
```

Set this item to On when you connect to a network using NetWare. In submenu, frame mode can be selected from Auto, 802.3, Ethernet-II, SNAP and 802.2.

```
>AppleTalk
  Off
```

AppleTalk must be activated (On) for networking with Macintosh computers.

```
>IPP
  Off
```

Set this item to On when you connect to a network using IPP.

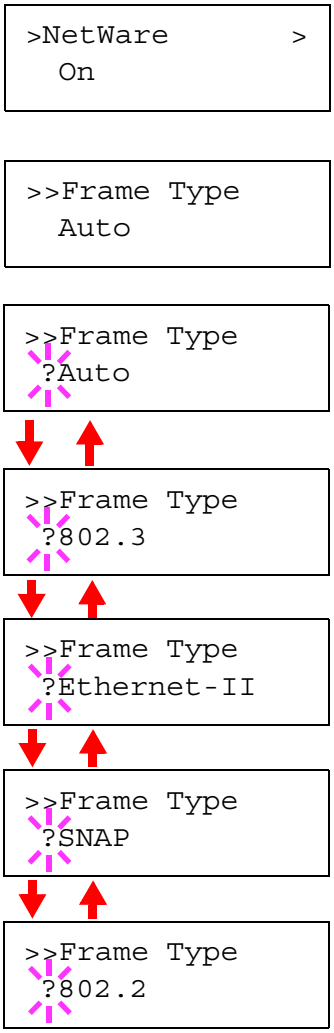
```
>SSL Server     >
  Off
```

Set this item to On when you connect to a network using SSL Server. Submenu has items including DES, 3DES, AES, IPP over SSL and HTTPS.

```
>IPSec
  Off
```

Set this item to On when you connect to a network using IPSec.

NetWare



1 This section explains the procedure for enabling NetWare. Enter the administrator ID and password. Then, if `NetWare` is set to `Off`, use △ or ▽ to select `On` and press **[OK] ([ENTER])**.

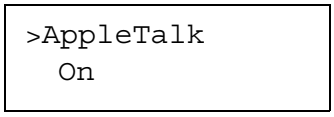
2 Press ▷.

3 Press **[OK] ([ENTER])**. A blinking question mark (`?`) appears. Each time you press △ or ▽, the selection changes.

4 Display the item you want to set and press **[OK] ([ENTER])**.

5 Press **[MENU]**. The display returns to `Ready`.

AppleTalk



1 This section explains the procedure for enabling AppleTalk.

Enter the administrator ID and password. Then, if `AppleTalk` is set to `Off`, use △ or ▽ to select `On`.

2 Press **[OK] ([ENTER])**. A blinking question mark (`?`) appears.

3 Press **[OK] ([ENTER])** again.

4 Press **[MENU]**. The display returns to `Ready`.

IPP

1 This section explains the procedure for enabling IPP.

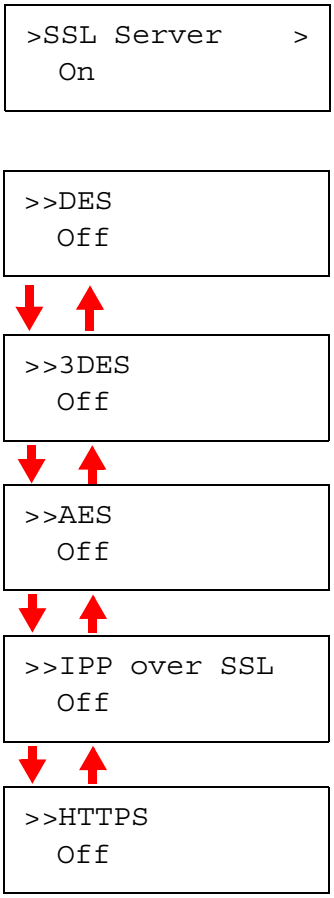
Enter the administrator ID and password. Then, if `IPP` is set to `Off`, use △ or ▽ to select `On`.

2 Press **[OK] ([ENTER])**. A blinking question mark (`?`) appears.

3 Press **[OK] ([ENTER])** again.

4 Press **[MENU]**. The display returns to `Ready`.

SSL Server



1 This section explains the procedure for enabling SSL Server. Enter the administrator ID and password. Then, if `SSL Server` is set to `Off`, use △ or ▽ to select `On` and press **[OK] ([ENTER])**.

2 Press ▷. Each time you press △ or ▽, the selection changes.

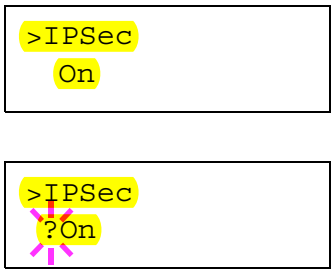
3 Display the item you want to set and press **[OK] ([ENTER])**. A blinking question mark (`?`) appears.

4 Select `On` or `Off` using △ or ▽.

5 Press **[OK] ([ENTER])**.

6 Press **[MENU]**. The display returns to `Ready`.

IPSec



1 This section explains the procedure for enabling IPSec. Enter the administrator ID and password. Then, if `IPSec` is set to `Off`, use △ or ▽ to select `On`.

2 Press **[OK] ([ENTER])**. A blinking question mark (`?`) appears.

3 Press **[OK] ([ENTER])** again.

4 Press **[MENU]**. The display returns to `Ready`.

Printing a Network Interface Status Page

You can print out a status page for the network interface. The network status page shows the network addresses, and other information under various network protocols about the network interface card. The default setting is Off (print disable).

Adjust/Maintenance

Adjust/Maintenance is used to adjust the print quality and to carry out printer maintenance.

The options available in Adjust/Maintenance are as follows:

- Color Calibration
- Registration Normal
- Registration Details
- Restart Printer
- Service

Important Service is primarily a menu used by service personnel for maintenance work. There is no need for customers to use this menu.

1. Press **[MENU]**.
2. Press △ or ▽ repeatedly until `Adjust/Maintenance >` appears.

```
Adjust/          >
Maintenance
```

3. Press ▷ while `Adjust/Maintenance >` is displayed.
4. Press △ or ▽ repeatedly until `>Service >` appears.
5. Press ▷.
6. Press △ or ▽ repeatedly until `>>Print Network Status Page` appears.
7. Press **[OK] ([ENTER])**. A question mark (`?`) appears.

```
>>Print Network
 Status Page ?
```

8. Press **[OK] ([ENTER])**. `Processing` appears and a status page is printed out.
9. When printing ends, the display returns to `Ready`.