

Digital Photo Printer

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UP-DX100

Owner's Record

The model and serial numbers are located at the rear. Record these number in the space provided below. Refer to these numbers whenever you call upon your Sony dealer regarding this product.

Model No. _____

Serial No. _____

WARNING

To prevent fire or shock hazard, do not expose the unit to rain or moisture.

To avoid electrical shock, do not open the cabinet. Refer servicing to qualified personnel only.

WARNING

This unit has no power switch. When installing this unit, incorporate a readily accessible disconnect device in the fixed wiring, or connect the power cord to socket-outlet which must be provided near the unit and easily accessible. If a fault should occur during operation of the unit, operate the disconnect device to switch the power supply off, or disconnect the power cord.

For the customers in the USA

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. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or 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 experienced radio/TV technician for help.

You are cautioned that any changes or modifications not expressly approved in this manual could void your authority to operate this equipment.

This device requires shielded interface cables to comply with FCC emission limits

The shielded interface cable recommended in this manual must be used with this equipment in order to comply with the limits for a digital device pursuant to Subpart B of Part 15 of FCC Rules.

If you have any questions about this product, you may call:

Sony's Business Information Center (BIC) at 1-800-686-SONY (7669) or Sony Web site at www.sony.com.

Declaration of conformity

Trade Name: SONY
Model: UP-DX100
Responsible Party: Sony Electronics Inc.
Address: 680 Kinderkamack Road,
Oradell, NJ 07649 U.S.A.
Telephone Number: 201-930-6972

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.

For the customers in Canada

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

Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

The term "IC" before the certification/registration number only signifies that the Industry Canada technical specifications were met.



For the customers in Europe

Hereby, Sony Corporation, declares that this UP-DX100 is in compliance with the essential requirements and other relevant provisions of the Directive 1999/5/EC. For details, please access the following URL:
<http://www.compliance.sony.de/>

This product is intended to be used in the following countries : Austria, Belgium, Denmark, Finland, France, Germany, Greece, Ireland, Italy, Luxembourg, The Netherlands, Portugal, Spain, Sweden, United Kingdom, Iceland, Norway, Switzerland, Liechtenstein, and Lithuania.

Para clientes na Europa

A Sony Corporation declara que o UP-DX100 está em conformidade com os requisitos essenciais e outras disposições importantes da Directiva 1999/5/CE. Para mais informações, aceda ao URL apresentado em seguida:
<http://www.compliance.sony.de/>

Este produto pode ser utilizado nos seguintes países: Áustria, Bélgica, Dinamarca, Finlândia, França, Alemanha, Grécia, Irlanda, Itália, Luxemburgo, Holanda, Portugal, Espanha, Suécia, Reino Unido, Islândia, Noruega, Suíça, Liechtenstein e Lituânia.

Voor klanten in Europa

Sony Corporation verklaart hierbij dat deze UP-DX100 voldoet aan de primaire vereisten en andere relevante voorschriften van richtlijn 1999/5/EC van de Europese Unie. Voor verdere informatie bezoekt u de volgende website:
<http://www.compliance.sony.de/>

Dit product is bedoeld voor gebruik in de volgende landen: België, Denemarken, Duitsland, Finland, Frankrijk, Griekenland, Ierland, Italië, Liechtenstein, Litouwen, Luxemburg, Nederland, Noorwegen, Oostenrijk, Portugal, Spanje, Verenigd Koninkrijk, IJsland, Zweden en Zwitserland.

För kunder i Europa

Sony Corporation förkunnar härmed att denna UP-DX100 uppfyller de huvudsakliga kraven och andra relevanta villkor i direktivet 1999/5/EC. Se följande URL för närmare detaljer:
<http://www.compliance.sony.de/>

Denna produkt är avsedd för användning i följande länder: Österrike, Belgien, Danmark, Finland, Frankrike, Tyskland, Grekland, Irland, Italien, Luxemburg, Nederländerna, Portugal, Spanien, Sverige, Storbritannien, Island, Norge, Schweiz, Liechtenstein och Litauen.

For kunder i Europa

Sony Corporation erklærer herved, at denne UP-DX100 er i overensstemmelse med de essentielle krav og andre relevante bestemmelser i direktiv 1999/5/EC. åbn venligst den følgende URL angående detaljer:
<http://www.compliance.sony.de/>

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Euroopassa oleville asiakkaille

Sony Corporation vakuuttaa täten, että tämä UP-DX100 vastaa direktiivin 1999/5/EC olennaisia vaatimuksia ja muita asiaankuuluvia määräyksiä. Katso tarkemmat tiedot osoitteesta:
<http://www.compliance.sony.de/>

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Για λεπτομέρειες, παρακαλούμε επισκεφτείτε την ακόλουθη διεύθυνση URL:
<http://www.compliance.sony.de/>

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UP-DX100

GB

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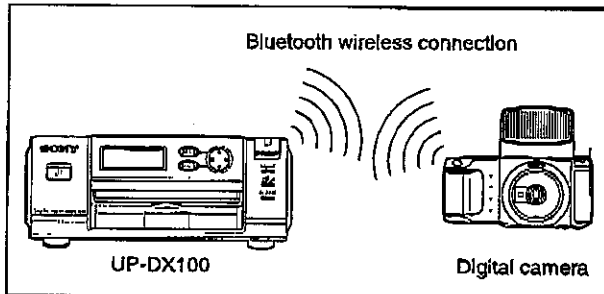
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Overview

The Sony UP-DX100 Digital Photo Printer is an extension printer for the UPX-C200 Digital Printing System. As a second or third printer for the UPX-C200 system, the UP-DX100 can receive and print images from a digital camera that sends signals to the printer using Bluetooth wireless technology.



Features

The UP-DX100 has the following features:

Photo-realistic printing

With its dye sublimation printing system, the printer can make photo-realistic prints meeting a number of different requirements.

Super Coat 2 feature

The Super Coat 2 enables high durability and moisture or fingerprint resistance, keeping your prints in good picture quality for an extended period of time.

Selection of print sizes

You can select from a large, dynamic Post card (4x6 inch) size (UPC-X46) or an economical Small (3.5x4inch) size (UPC-X34) print.

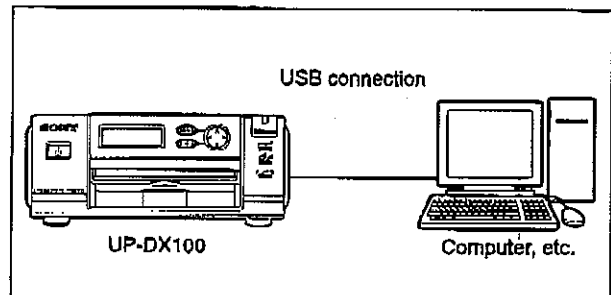
Paper tray allowing bulk printing of 25/30 sheets

With the supplied paper tray, you can print up to 25 sheets for Post card size and 30 sheets for Small size print paper at one time.

Printing from your computer with a convenient USB connection

By connecting the printer and your computer with a USB cable (commercially available) and installing the supplied printer driver software on your computer, you can print images from your computer.

For details on connecting a computer, refer to "Read me (English)" stored in the supplied CD-ROM.

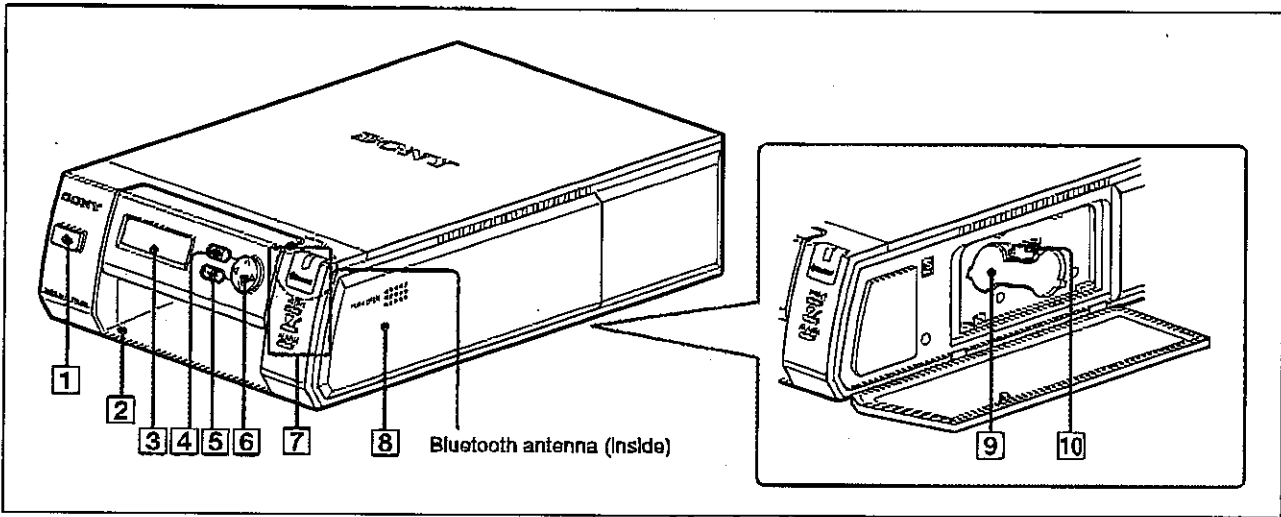


Note

When connecting a computer using a USB cable, depending on the type of computer, normal operation may not be obtained. In such a case, use a commercially available USB hub.

Location of Parts

Front



1 **⏻ (ON/STANDBY) button and lamp**

Press to turn on the printer, and the lamp lights. Pressing it again makes the lamp go out, and the printer enters the standby mode.

2 **Paper tray slot**

Insert the paper tray.

3 **Operation display**

When the power is turned on, the operation mode or menu item appears.

4 **MENU button**

Press to display the menu item or to cancel any changes made on the menu items that you have not registered.

5 **EXEC button**

Press to decide the selection for each Menu items.

6 **Control button**

Press to select a menu item and to settle the selection.

7 **Lamps**

Bluetooth lamp: Lights when the Bluetooth function is enabled.

PRINT lamp: Lights while printing is in progress, and flashes while the printer is receiving image data.

⏻ lamp: Lights if paper runs out, the print cartridge is out of ink, or cartridges and paper of different types or sizes are mixed.

ALARM lamp: Lights in case of occurrence of problem.

8 **Cartridge compartment cover**

Open the cover to insert and remove the print cartridge.

9 **Cartridge compartment**

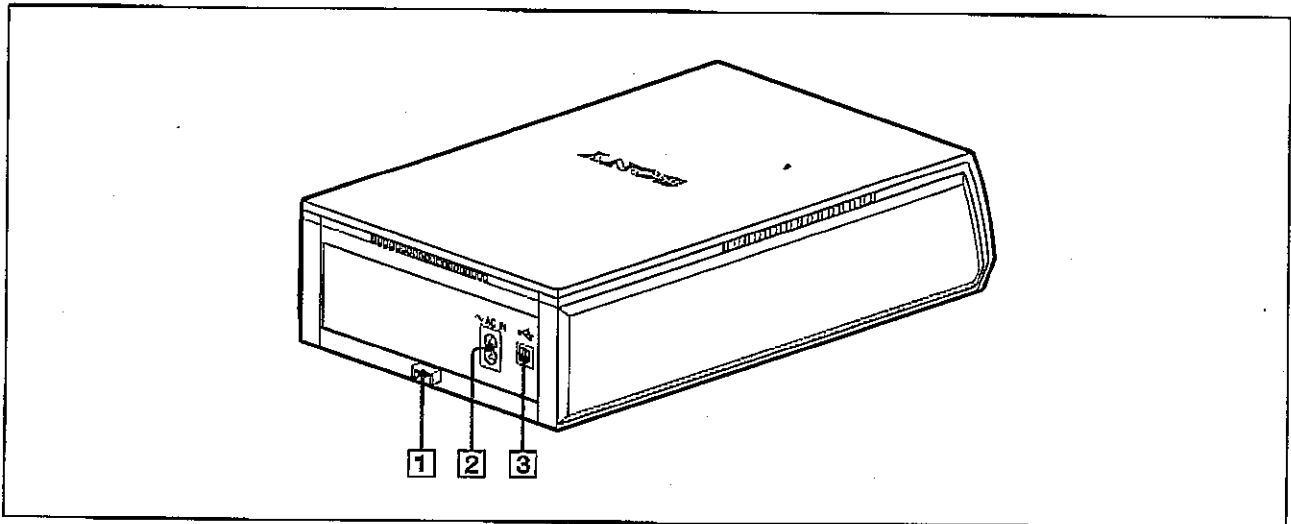
Insert the print cartridge.

10 **Cartridge eject lever**

Push up the lever to eject the inserted cartridge.

Note

The lever is disabled while printing.

Rear**1 Paper jam remove cover**

When a paper jam occurs, remove this cover, and remove the jammed paper.

2 ~AC IN connector

Connect to a wall outlet using the supplied AC power cord.

3 USB connector

Connect to the USB connector on a computer using a USB cable.

Note

When connecting a computer using a USB cable, depending on the type of computer, normal operation may not be obtained. In such a case, use a commercially available USB hub.

Preparations

Before using the printer for the first time, you need to install a print cartridge and the paper tray, as indicated below. These preparations are not needed for everyday print operations, but are to be done as required.

Unpacking the Printer

Make sure that the following accessories are supplied with your printer.

- AC power cord (1)
- Paper trays (2, large/small)
- Paper holder (2)
- Tray cover (1)
- CD-ROM (1)
Sony UP-DX100 Printer Driver Software
- Cleaning cassette (1)
- Operating Instructions (1)
- Software License Agreement (1)

Preparing a Printing Pack

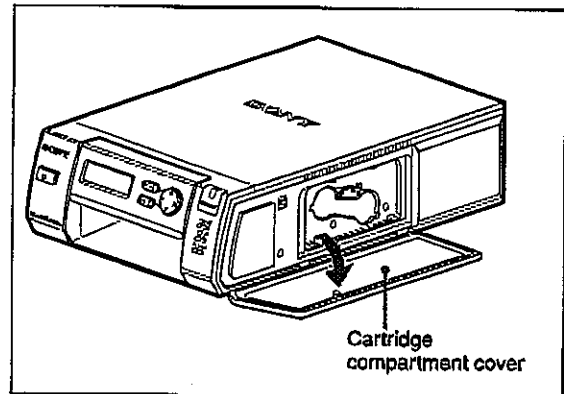
You need an optional printing pack (UPC-X46 or UPC-X34) designed for the printer. The pack contains a set of print paper and a print cartridge.

Notes

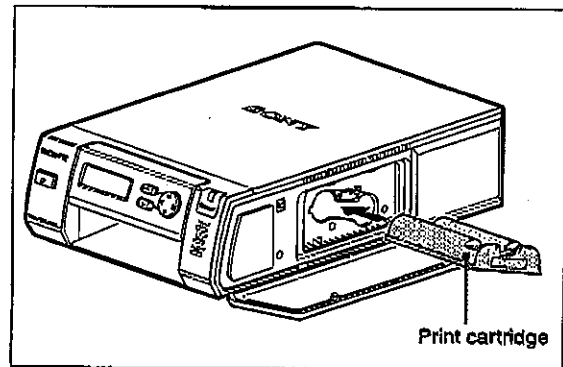
- Do not rewind the ink ribbon and use the rewound print cartridge for printing. Otherwise, proper printing result will not be obtained, or even a breakdown may occur.
- Use the printing pack for this printer only.
- Always use the print cartridge designed for the size of the print paper you use. If you mix cartridges and paper of different types or sizes, printing may not be possible, or a paper jam or other trouble may occur.
- Do not print on the used print paper. Printing an image twice on the same paper will not make the printed image thicker. This may even cause a malfunction or breakdown.
- Do not touch the ink ribbon of the print cartridge or the printing surface of the print paper. If there are fingerprints or dust on the printing surface or the ink ribbon, the printing quality may deteriorate.
- For high quality prints, avoid placing the printing pack in locations that are subject to high temperature, high humidity, excessive dust, or direct sunlight.
- When storing a partially used pack of the print cartridge and print paper, store it in its original bag or in a similar container.

Loading the Print Cartridge

- 1 Push on PUSH OPEN, and open the cartridge compartment cover.




- 2 Insert the print cartridge into the printer firmly until it clicks into place.

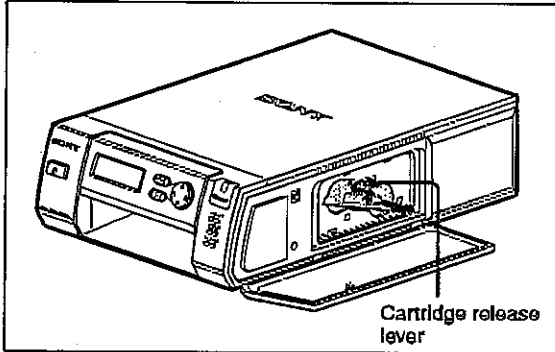


- 3 Close the cartridge compartment cover.

Changing the Print Cartridge

When the print cartridge runs out, the  lamp lights and an error message appears on the operation display. Replace the print cartridge.

- 1 Push on **PUSH OPEN**, and open the cartridge compartment cover.
- 2 Press up the cartridge release lever.

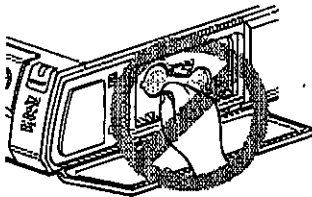


The cartridge pops out. Remove the cartridge.

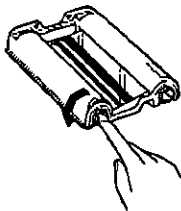
- 3 Insert a new print cartridge, and close the cover.


Notes

- Never put your hand into the cartridge compartment. The thermal head reaches high temperatures, especially after repeated printing.



- Do not rewind the ink ribbon and use the rewound print cartridge for printing. Otherwise, proper printing result will not be obtained, or even a breakdown may occur.
- If the print cartridge does not click into place, remove it and then re-insert it. If the ink ribbon is too slack to be loaded, wind the ink ribbon in the direction of the arrow to remove the slack.



- If the print cartridge is not loaded when you turn on the printer, the  lamp lights up.
- Do not touch the ink ribbon or place the print cartridge in a dusty location. Fingerprints or dust on the ink

- ribbon may result in imperfect printing.
- Do not change the print cartridge while printing.

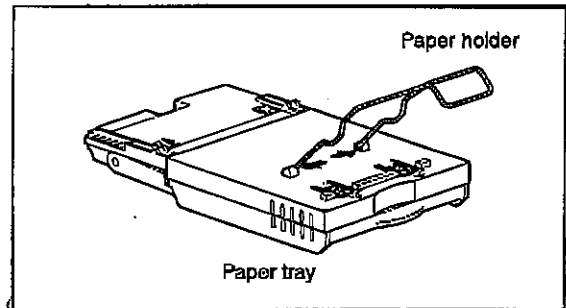
Notes on storing the print cartridge

- Avoid placing the print cartridge in a location subject to high temperatures, high humidity, excessive dust or direct sunlight
- When you are going to store a partially used cartridge, store it in its original bag.

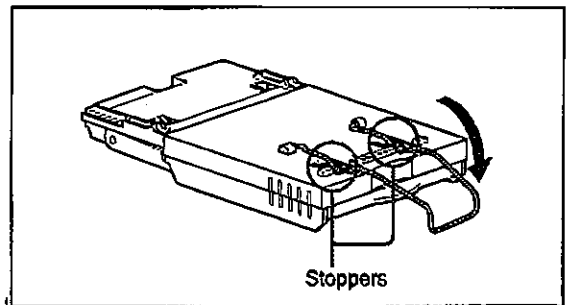
Attaching the Paper Holder

Attach the supplied paper holder to the paper tray as follows:

- 1 Insert the tips of both ends of the paper holder into the holes located at the bottom of the paper tray, pinching the portions near the two ends.

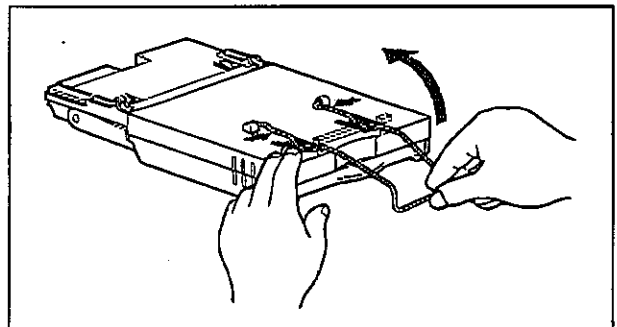


- 2 Push the paper holder into the stoppers firmly until it snaps into place, making a click sound.



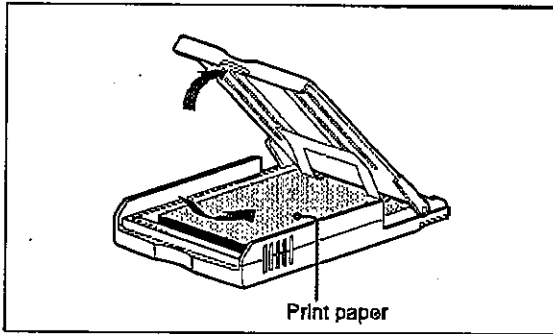
Removing the paper holder

Push out the paper holder gently from the stoppers, and remove it, pinching the portions near the two ends.



Inserting the Print Paper

- 1 Set the print paper into the tray.



Riffle the print paper. Then insert the print paper with its printing surface (the side with no imprint) facing up and the arrow pointing in the same direction as the arrow in the tray.

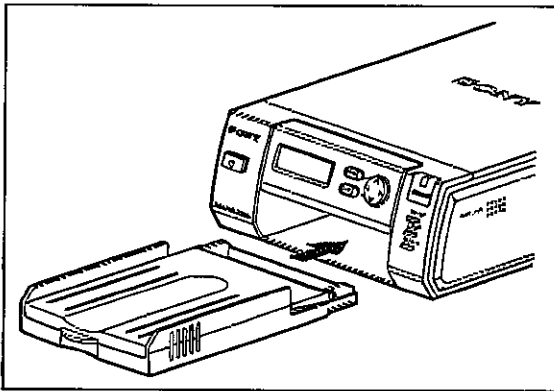
You can set 25 sheets when the UPC-X46 is used, and 30 sheets when the UPC-X34 is used.

- 2 Remove the protective sheet on the print paper.

Note

Be sure to keep the protective sheet, which is used for cleaning the inside of the printer.

- 3 Insert the tray to the printer.




Note

Do not touch the printing surface. Fingerprints on the printing surface may result in imperfect printing.

Notes

- Set the paper of the UPC-X46 into the large paper tray, and that of the UPC-X34 into the small paper tray. If the paper size and tray size do not match, a paper jam may occur.
- Do not remove or insert the paper tray during printing.

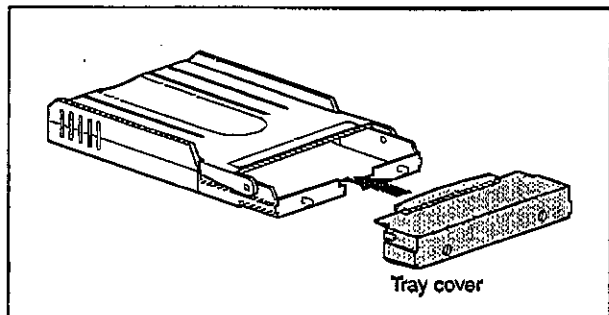
- If print paper does not feed automatically, the  lamp lights. Pull out the paper tray and check for a paper jam.
- When adding print paper to a partially full tray, make sure that the total number of sheets does not exceed 25 for the UPC-X46 or 30 for the UPC-X34. Do not place different types or sizes of paper in the tray. Otherwise, a paper jam or malfunction may occur.
- Do not write or type on the printing surface of the paper before printing. You may not be able to proceed with printing. If you want to write greetings or draw on the printed surface after printing, use an oil ink pen.
- Do not attach stickers or anything else on the printing surface before printing.
- Do not print on the used print paper. Printing an image twice on the same paper will not make the printed image thicker. This may even cause a malfunction or breakdown.
- Before printing, do not fold or bend the print paper.
- Do not leave more than 10 sheets of ejected printed paper on the paper tray because they may cause a paper jam.

Notes on storing the print paper

- Avoid placing the print paper in a location subject to high temperatures, high humidity, excessive dust or direct sunlight.
- Avoid storing the paper with the printed faces touching each other or in contact with rubber or plastic products including vinyl chloride or plasticizer for an extended period of time; color changes or deterioration of the printed image may occur.
- When you are going to store partially-used print paper, store it in its original bag.

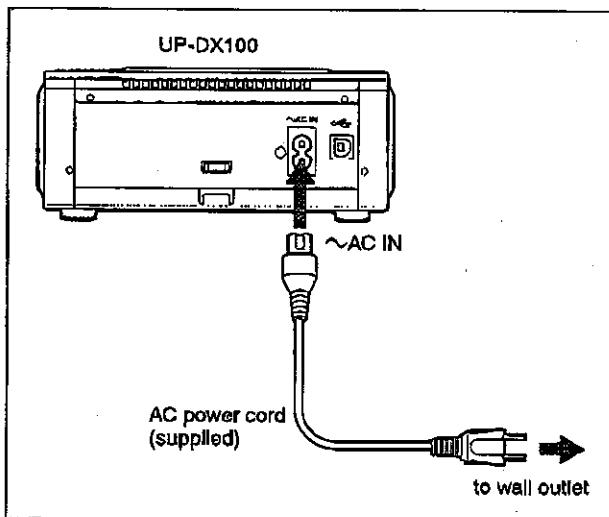
Attaching the tray cover

Keep the supplied tray cover attached to the paper tray when not in use to protect print paper placed in the tray from dust. The tray cover can be attached to either paper tray for the UPC-X46 or for the UPC-X34.



Connecting the Printer to a Wall Outlet

Connect the supplied AC power cord to the AC IN connector of the printer and then to wall outlet.

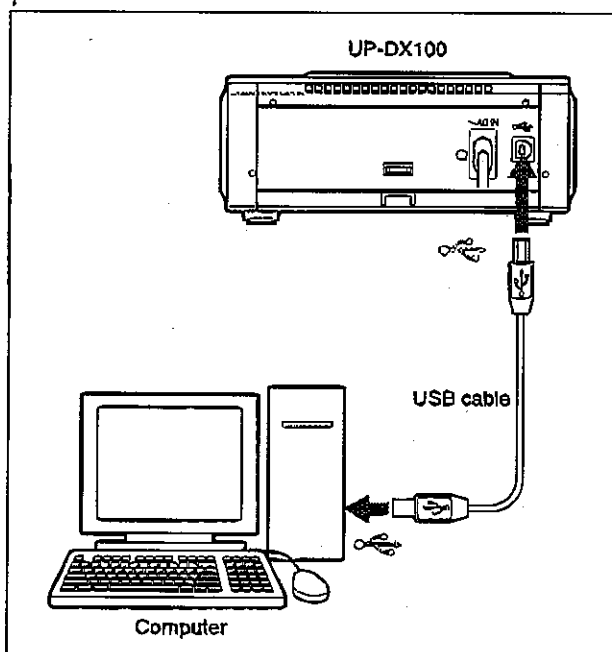


Notes

- For connection, use a commercially available A-B TYPE USB cable less than 3 meters long. As the proper cable may differ according to the type of computer, determine the type of cable you need, consulting the instruction manual for your computer.
- Refer to the instruction manual for your computer, as well.
- The supplied Sony UP-DX100 Printer Driver does not support a network printer, nor can be used with a commercially available printer buffer unit.
- Do not connect or disconnect the USB cable during data transfer or printing. Proper printing results may not be obtained.
- When connecting a computer using a USB cable, depending on the type of computer, normal operation may not be obtained. In such a case, use a commercially available USB hub.

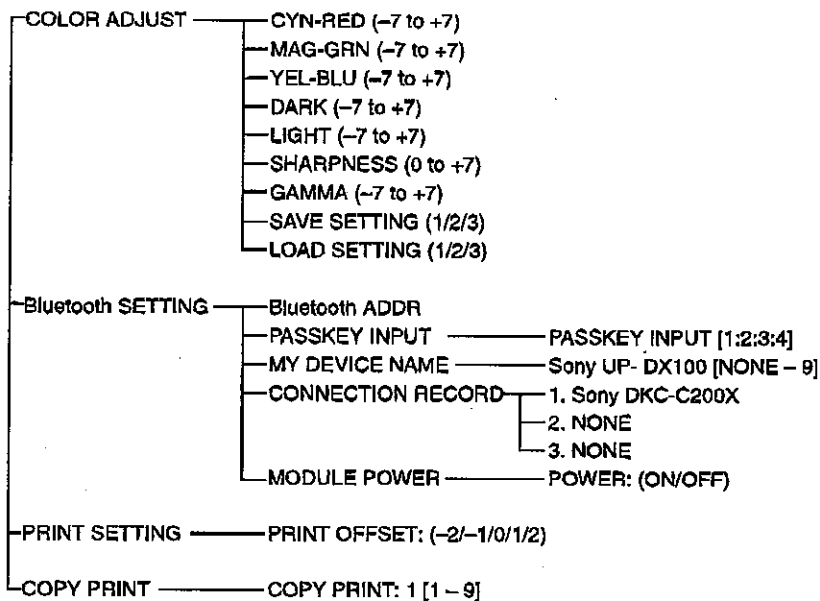
Connecting to a Computer

To print images from your computer, connect the USB connectors of the printer and a computer (a PC with Windows) using a commercially available USB cable, and install the supplied printer driver on the computer. For details on installation and operation of the printer driver, refer to "Read me (English)" contained on the supplied CD-ROM.



Menu

Structure of the Menu



Functions of Each Menu Item

Menu item	Function	Setting
COLOR ADJUST	You can adjust the print quality.	<p>CYN-RED: The cyan and the red are adjusted.</p> <p>MAG-GRN: The magenta and the green are adjusted.</p> <p>YEL-BLU: The yellow and the blue are adjusted.</p> <p>DARK: The brightness of a dark area is adjusted.</p> <p>LIGHT: The brightness of a bright area is adjusted.</p> <p>SHARPNESS: The sharpness of edges of objects in a picture is adjusted.</p> <p>GAMMA: The tone of a picture is adjusted.</p> <p>SAVE SETTING (1/2/3): The adjusted values are stored in the built-in memory.</p> <p>LOAD SETTING (1/2/3): The adjusted values stored in memory are loaded.</p>
Bluetooth SETTING	You can make Bluetooth settings.	<p>Bluetooth ADDR: The Bluetooth address is displayed.</p> <p>PASSKEY INPUT: A passkey is set or changed.</p> <p>MY DEVICE NAME: The printer can be assigned a number.</p> <p>CONNECTION RECORD: The connection record is displayed.</p> <p>MODULE POWER: The power of the Bluetooth circuits is turned on or off.</p>
PRINT SETTING	The printing location on print paper of the UPC-X46 is fine-adjusted.	<p>PRINT OFFSET (-2/-1/0/1/2)</p> <p>The printing location can be shifted by 0.5 mm.</p>
COPY PRINT	The newest data stored in memory is reprinted.	<p>[1 - 9]</p> <p>The number of sheets to be printed is set.</p>

Bluetooth

Bluetooth Wireless Technology

The Bluetooth¹⁾ wireless technology allows communication between various Bluetooth devices without using cables. Devices which can use this technology include computers, computers peripheral devices, PDAs, and mobile phones.

This omnidirectional communications system enables communication even if the Bluetooth device is in a bag or if there are obstacles between the devices.

Also, the Bluetooth wireless technology has advanced security functions, such as scrambled frequencies and data encryption.

- When using the Bluetooth function, the distance between the camera and the printer you intend to connect must be within 10 m (3.3 feet) without obstacles.

1) The Bluetooth trademarks are owned by their proprietor and used by Sony Corporation under license.

The "Basic Imaging Profile"

The "Basic Imaging Profile" (BIP) is the specifications used when sending or receiving still images between Bluetooth devices. The main features of the BIP enable sending or receiving images, and use of the remote shutter feature of a digital still camera.

To connect with your printer, the Bluetooth device must be compatible with the "Image Push Feature" of the "Basic Imaging Profile" (BIP).

Before using the Bluetooth device, check the Bluetooth and BIP specifications of the device.

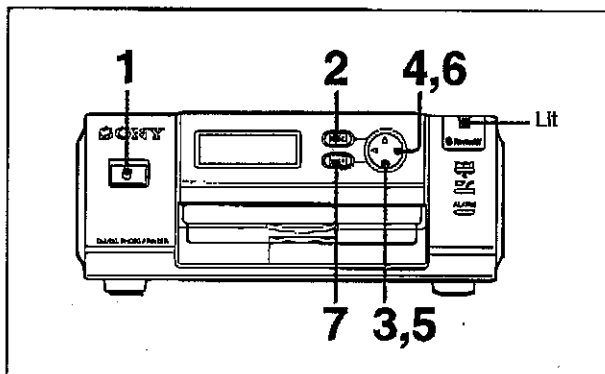
Communication Between the Printer and Another Device Using the Bluetooth Function

For communication between the printer and another device with Bluetooth functions, the following settings are required:

- The same passkey is set on the printer and the other device.
- The Bluetooth lamp is lit.

Checking the current setting

You can check the current passkey settings on the printer as follows:



- 1 Turn on the printer.
- 2 Press the MENU button.
- 3 Press ▼ of the control button to display "Bluetooth SETTING [>>]" on the operation display.
- 4 Press ► of the control button.
- 5 Press ▼ of the control button to display "PASKEY INPUT [>>]" on the operation display.
- 6 Press ► of the control button.

The passkey currently set appears on the PASKEY INPUT display.

- 7 Press the EXEC button.

To exit the MENU operation, press the MENU button.

If the Bluetooth lamp is off

If the Bluetooth lamp is off, turn it on in the following manner:

- 1 Press the MENU button.
- 2 Press ▼ of the control button to display "Bluetooth SETTING [>>]."
- 3 Press ► of the control button.
"Bluetooth ADDR" appears.
- 4 Press ▼ of the control button to display "MODULE POWER [>>]."
- 5 Press ► of the control button.

6 Press ◀ or ▶ of the control button to set the POWER to ON.

7 Press the EXEC button.

“REBOOTING” appears. Then the printer is restarted, and the Bluetooth lamp lights.

Authentication

What's a passkey

Passkey is used to authenticate two Bluetooth devices that have not previously connected to each other and create a trusted relationship between them.

You need to enter the same characters (passkey) to each device on passkey authentication process. This printer uses a 4-digit number as a passkey.

Once authentication of the device has been confirmed, the printer registered the device as a record. Since then you can connect the device without entering a passkey. To ensure proper security, the passkey entry has a time limit (30 seconds), based on the Bluetooth standards.

The passkey entry may be required when the authentication valid period of the printer or other device is expired, the record is deleted, or the security setting is changed.

Passkey entry may be required, depending on devices, each time you intend to connect.

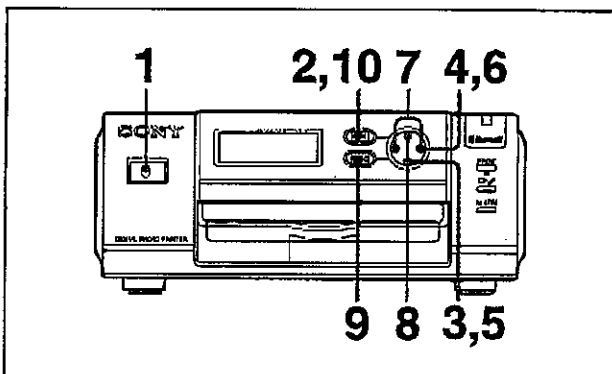
This “Passkey” is also referred to as a “Bluetooth passkey” etc. “PIN” is also used with the same meaning.

When the passkey entry screen appears on the other device before it appears on your printer

Enter the desired passkey on the other device. Then, enter the same passkey on your printer.

Entering the passkey

Enter the same passkey on the printer and the other device to be connected, as follows:



1 Turn on the printer.

“Ready BT RSSI [----]” appears on the operation display.

2 Press the MENU button.

3 Press ▼ of the control button to display “Bluetooth SETTING [>>].”

4 Press ▶ of the control button.

“Bluetooth ADDR” appears.

5 Press ▼ of the control button to display “PASKEY INPUT [>>].”

6 Press ▶ of the control button.

“PASKEY INPUT <1> [X:X:X:X]” appears.

Current digit to be set Passkey

7 Press ◀ or ▶ of the control button to select a digit of the passkey to be set.

This <1> shows the leftmost digit, and <4> shows the rightmost digit.

8 Press ▲ or ▼ of the control button to set the value of the passkey.

Value from 0 to 9 can be used.

Repeat Steps 7 and 8 until the four-digit passkey is set.

9 Press the EXEC button.

“PASKEY INPUT Saving. . .” appears, and your passkey setting is stored.

10 When the setting is completed, press the MENU button.

Giving Your Printer a Device Number

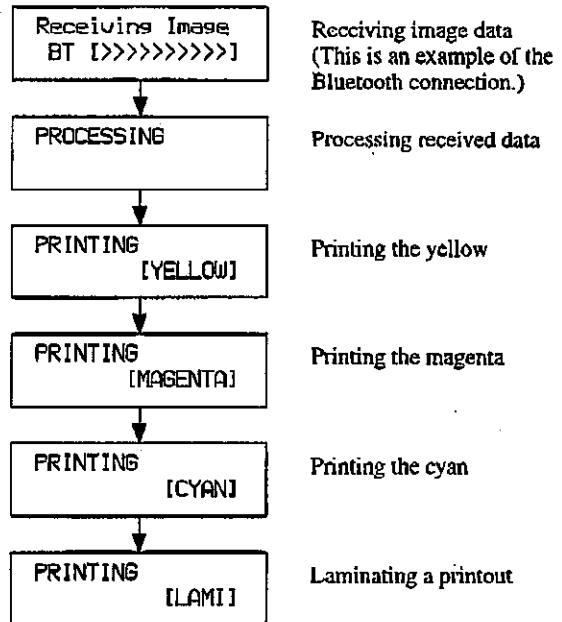
When two or more printers are used in a system, it is convenient that each printer have a device number (from 1 to 9).

- 1 Turn on the printer.
"Ready BT RSSI [----]" appears on the operation display.
- 2 Press the MENU button.
- 3 Press ▼ of the control button to display "Bluetooth SETTING [>>]."
- 4 Press ► of the control button.
- 5 Press ▼ of the control button to display "MY DEVICE NAME [>>]."
- 6 Press ► of the control button.
"Sony UP-DX100 [NONE-9: EXEC]" appears.
- 7 Press ▲ or ▼ of the control button to set the device number.
- 8 Press the EXEC button.
"DEVICE NAME Saving. . ." appears, and the device number you have set is stored.
- 9 When the setting is completed, press the MENU button.

Printing a Picture

The UP-DX100 automatically receives and prints the image sent from the camera that is connected with the Bluetooth functions. Only JPEG-format graphic-image files can be received. Graphic images sent from a computer connected with the printer using a USB cable can also be printed out.

During printing of graphic images sent from the camera or computer, the process is displayed on the operation display, as follows:



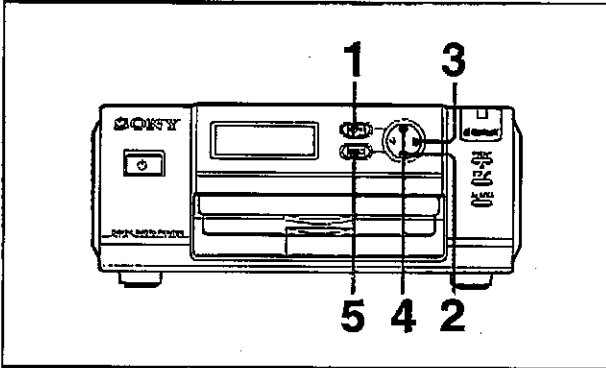
When printing is completed, "Ready BT RSSI [()]]])]" appears.

Reprinting a Picture Stored in Memory (COPY PRINT)

The data of the last picture printed is stored in the memory of the printer. You can reprint the picture.

Note

When the printer is set to standby mode, data stored in memory are deleted. You cannot reprint the picture.



- 1 Press the MENU button.
- 2 Press ▼ of the control button to display "COPY PRINT [>>]."
- 3 Press ► of the control button.
"COPY PRINT:1 [1-9 PRINT:EXEC]" appears.
- 4 Press ▲ or ▼ of the control button to set the number of sheets to be printed.
A value from 1 to 9 can be set.
- 5 Press the EXEC button.

The number of pictures set in Step 4 is printed.

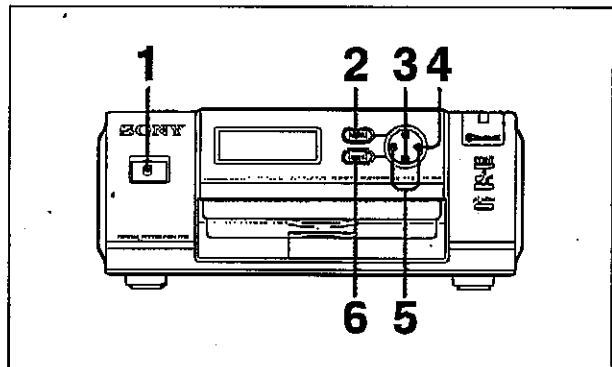
When printing is completed, the display returns to the Ready display"

Adjustments

The printing location and print quality can be adjusted. After checking the printing results, make any adjustments, necessary.

Adjusting the Printing Location (PRINT SETTING)

Adjust so that a printed image is correctly located on the print paper when the UPC-X46 is used. The printing location can be shifted by 0.5 mm.



- 1 Turn on the printer.
- 2 Press the MENU button.
- 3 Press ▲ or ▼ of the control button to display "PRINT SETTING."
- 4 Press ► of the control button.
"PRINT OFFSET:" appears.
- 5 Press ◀ or ▶ of the control button to select the offset value.
- 6 Press the EXEC button.

The offset value selected in Step 5 is registered, and the display returns to "PRINT SETTING."

Make a test printout and check if the image is printed in the correct location on the print paper. If further adjustment is needed, repeat the above steps.

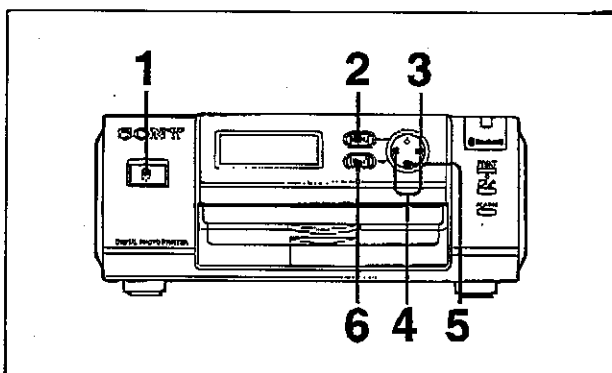
To exit PRINT SETTING

Press the MENU button. The display returns to "Ready," and the printer is ready to print.

Adjusting the Print Quality (COLOR ADJUST)

With the MENU function, you can adjust the picture quality. If you print a color picture, you can check the adjusted results by printing a color guide of the camera. Three sets of adjusted values can be stored in memory and retrieved later.

Adjusting the print quality



- 1 Turn on the printer.
- 2 Press the MENU button.
"COLOR ADJUST [>>]" appears.
- 3 Press ► of the control button.
"CYN-RED:" appears.
- 4 Press ◀ or ▶ of the control button for adjustment.
- 5 Press ▼ of the control button.

"MAG-GRN:" appears.

Repeat Steps 4 and 5 to make necessary adjustments. Adjustable content for each adjustment item is as follows:

CYN-RED: Pressing ◀ gives the picture more cyan, while pressing ▶ makes it more reddish.

MAG-GRN: Pressing ◀ gives the picture more magenta, while pressing ▶ makes the picture more greenish.

YEL-BLU: Pressing ◀ makes the picture more yellowish, while pressing ▶ makes the picture more bluish.

DARK: Contrast in the dark areas is adjusted. Pressing ▶ increases the darkness.

LIGHT: Contrast in the bright areas is adjusted. Pressing ▶ increases the brightness.

SHARPNESS: Pressing ▶ makes the edges of objects in a picture sharper.

GAMMA: Pressing ◀ makes the color tone of the whole picture lighter, while pressing ▶ makes it deeper.

- 6 Press the EXEC button when the adjustment is completed.

The display returns to "COLOR ADJUST [>>]."

Printing out a color guide

To check the results of your adjustments, print out the camera's guide images.

Press the SIZE button of the camera to select Guide Print-RGB or Guide Print-DLGm, then execute printing.

For details, refer to the Instruction Manual (Advanced Operations) of the UPX-C200.

Storing your adjustments

Once the color adjustment is completed, save the adjusted values as follows:

- 1 In the COLOR ADJUST [>>] display, press ► of the control button.
- 2 Press ▼ of the control button repeatedly until "SAVE SETTING" appears.
- 3 Press ◀ or ▶ of the control button to select the memory-cell number (1, 2, or 3).
- 4 Press the EXEC button.

The adjusted values are stored in the memory cell with the number selected in Step 3.

Loading the adjusted values

Adjusted values stored in the memory can be retrieved.

- 1 In the COLOR ADJUST [>>] display, press ► of the control button.
- 2 Press ▼ of the control button repeatedly until "LOAD SETTING" appears.
- 3 Press ◀ or ▶ of the control button to select the memory-cell number (1, 2, or 3).
- 4 Press the EXEC button.

The adjusted values stored in the memory cell with the number selected in Step 3 are retrieved and in force.

To exit COLOR ADJUST

After a menu operation, such as COLOR ADJUST setting, saving of adjusted values, or retrieving of stored values, is completed, press the MENU button. The display returns to "Ready."

Precautions

Safety

- Operate the printer using the power source specified in "Specifications" (page 20).
- This unit is not disconnected from the mains as long as it is connected to the mains outlet, even if the unit itself has been turned off.
- Be careful not to damage the power cord by placing or dropping heavy objects on it; it is dangerous to use the printer with a damaged power cord.
- If you do not intend to use the printer for a long time, disconnect the power cord.
- Unplug the power cord by grasping the plug, not the cord itself.
- Do not apply mechanical shock or drop the unit.
- Do not disassemble or convert the unit.
- Do not remove the cover. There is a danger of electric shock from the internal parts.
- Be careful not to spill water or other liquids on the unit, or to allow combustible or metallic material to enter the cabinet. If used with foreign matter in the cabinet, the unit is liable to fail, or present a risk of fire or electric shock.
- Ventilation holes are provided to prevent the printer from overheating. Be careful not to obstruct them with other units or by covering the printer with a cloth etc.
- If the printer malfunctions or if a foreign body falls into the cabinet, disconnect the power immediately and consult your Sony service facility or your Sony dealer.

Installation

- Avoid placing the printer in a location subject to:
 - mechanical vibration
 - high humidity
 - excessive dust
 - where it is exposed to rain
 - direct or excessive sunlight
 - extremely high or low temperatures
 - close to sources of strong magnetism
 - close to sources of powerful electromagnetic radiation, such as radios or TV transmitters
- Do not use other electronic equipment near the printer. It will not work properly in strong electromagnetic fields.
- Do not place a heavy object such as a monitor on the printer.

Condensation

- If the printer is subject to wide and sudden changes in temperature, such as when it is moved from a cold room to a warm room or when it is left in a room with a heater that tends to produce large amounts of moisture, condensation may form inside the printer. In such cases the printer will probably not work properly, and may even develop a fault if you persist in using it. If condensation forms, turn off the power and leave the printer to stand for at least one hour.
- If the printing pack is subjected to wide and sudden changes in temperature, condensation may form on the print cartridge or paper. This will cause the printer to malfunction. Also, if the printing pack is used in this state, spots are likely to appear on the printout. Therefore, avoid storing the printing pack in locations subject to wide and sudden changes of temperature.
- To store a half-used printing pack, replace it in its original packing and reseal the package. If possible, keep the sealed printing pack in a cool, dark location. To subsequently use the printing pack, place it, in its sealed package, in a warm room for several hours. Doing so prevents condensation from forming when the printing pack is removed from its package.

Location

To prevent internal heat built-up, leave enough room around the printer for air to circulate through the vents on the left hand side of the cabinet.

On transportation

- Do not transport the printer with the supplied accessories. Doing so may cause malfunction.
- Retain the original carton and packing materials in case you have to transport the unit in the future.

Cleaning

- Before cleaning the printer, press the ON/STANDBY button of the printer so that the lamp goes out, and unplug the power cord.
- Clean the cabinet, panel and controls with a soft dry cloth, or a soft cloth lightly moistened with a mild detergent solution. Do not use any type of solvent, such as alcohol or benzine, which may damage the finish.

Specifications

Printer

Power supply	100 – 240 V AC, 50/60 Hz
Current consumption	1.1 A max. (during printing)
Operating temperature	5°C to 35°C (41°F to 95°F)
Storage/transport temperature	-20°C to +60°C (-4°F to +140°F)
Operating humidity	20% to 80% (non condensation)
Maximum dimensions (w/h/d)	203 × 85 × 305 mm (8 × 3 ³ / ₈ × 12 ¹ / ₈ inches)
Mass	Approx. 2.7 kg (5 lb 15 oz) (main unit only)
Printing method	Four-surface sequential sublimation thermal transfer process (yellow, magenta, cyan, laminate)
Printing resolution	403 × 403 dpi
Thermal head	403 dots/inch
Printing gradations	8 bits for yellow, magenta, cyan
Printing time	UPC-X46: 100 sec./sheet UPC-X34: 65 sec./sheet
Paper supply method	Autofeed from paper tray
Maximum capacity of paper tray	UPC-X46: 25 sheets UPC-X34: 30 sheets
Paper eject method	Front ejection Sheets are ejected in order on top of paper tray
Printing capacity of ribbon cartridge	UPC-X46: 25 sheets UPC-X34: 30 sheets
Inputs	AC IN (power inlet)
Maximum print size	UPC-X46: 101.6 × 151.4 mm (4 × 6 ¹ / ₈ inches) (no border) UPC-X34: 70.1 × 95.3 mm (2 ⁷ / ₈ × 3 ⁷ / ₈ inches) (with border)
Print pixels	UPC-X46: 1664 × 2440 dots UPC-X34: 1112 × 1512 dots

USB interface

Data-transmission system	Compliant with the Universal Serial Bus Specifications Revision 1.1
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Pin assignment of the USB connector

I/O	Signal	Function
	V _{CC}	Cable power, maximum current: 100 mA
I/O	-Data	Data
I/O	+Data	Data, can be pulled up to +3.3 V via a 1.5-kohm resistor
	GROUND	Cable ground

Bluetooth specifications

Communication type	Bluetooth standards, ver.1.1
Maximum transmission speed ¹⁾	About 723 Kbps
Output	Bluetooth standards, Power Class 2
Communication distance ²⁾	About 10 m (3.3 feet) without obstacles
Compatible Bluetooth profile ³⁾	Basic Imaging Profile (Image Push Responder)
Frequency band	2.4GHz (2.400 GHz – 2.4835 GHz)

- 1) Maximum data transmission speed based on Bluetooth standards, Ver.1.1. This speed depends on the distance between the devices, obstacles, radio wave conditions, application software, or the OS.
- 2) This distance depends on the distance between the devices, obstacles, radio wave conditions, application software, or the OS.
- 3) This specification is in accordance with the intended use between two Bluetooth devices. This is defined by the Bluetooth standards.

Supplied accessories

- Paper tray for the UPC-X46 (1)
- Paper tray for the UPC-X34 (1)
- Tray cover (1)
- Paper holder (2)
- AC power cord (1)
- Cleaning cassette (1)
- CD-ROM (1)
- Operating instructions (1)
- Software License Agreement (1)

Optional accessories

- 10UPC-X46 Self-laminating Color Printing Pack (250 sheets)
- 10UPC-X34 Self-laminating Color Printing Pack (300 sheets)

Design and specifications subject to change without notice.

Troubleshooting

If you run into any problem when using your UP-DX100, use the following table as a guide to troubleshoot the problem. If the problem persists, contact your Sony dealer or local authorized Sony service facility.

Printer

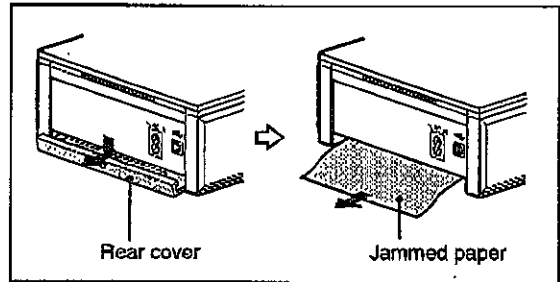
Symptom	Action
Cannot operate the printer after the power switch is turned on.	<ul style="list-style-type: none"> The AC power cord is not connected correctly. <ul style="list-style-type: none"> → Connect the AC power cord to an AC outlet securely (page 11).
Cannot print.	<ul style="list-style-type: none"> The print paper and print cartridge do not match. <ul style="list-style-type: none"> → Use the recommended printing pack, the same size of the print paper and print cartridge. The thermal head may be overheated. "Waiting" appears on the operation display. <ul style="list-style-type: none"> → Leave the printer until the head cools down and the printer resumes printing. The print paper may jam. <ul style="list-style-type: none"> → Remove the jammed paper, if any.
The beeps sound.	<ul style="list-style-type: none"> → Check that you are following the correct procedures.
Cannot remove the print cartridge.	<ul style="list-style-type: none"> → The print cartridge cannot be removed while printing. Wait until printing is finished. If this does not solve the problem, contact your Sony service facility or your Sony dealer.
The ALARM indicator is lit or blinking, and an error message is displayed.	<ul style="list-style-type: none"> → Follow the instructions on the operation display.
There is a white line or dots in the printed pictures.	<ul style="list-style-type: none"> Dust may be attached to the thermal head. <ul style="list-style-type: none"> → The print head or paper path may be soiled. Use the supplied cleaning cassette to clean the head and path.

If paper jams

If the print paper jams, the ALARM lamp lights, an error message appears, and printing stops.

- 1 Press the ON/STANDBY button to turn off the lamp.
- 2 Remove the paper tray, and remove the jammed paper from the paper tray slot.

- 3 Remove the cover on the rear panel, and check that the paper does not remain in the printer. If the jammed paper is still in the printer, remove it.



- 4 After removing the jammed paper, be sure to replace the cover.
- 5 Insert the paper tray.
- 6 Turn on the printer.

Note

If you cannot remove the jammed paper, contact your Sony dealer.

Cleaning the inside of the printer

If white lines or dots are printed on the pictures, clean inside the printer using the supplied cleaning cassette and the protective sheet contained in the printing pack.

Notes

- Make cleaning only when there are white lines or dots on the print.
- When you can obtain proper printing performances, cleaning will not improve the printed picture quality.

- 1 Remove the paper tray from the printer. If there is print paper in the tray, remove the print paper from the tray.
- 2 Place the protective sheet with the imprint side facing down and the arrow pointing in the same direction as the arrow in the tray.
- 3 Open the cartridge compartment cover and remove the print cartridge.

- 4 Insert the supplied cleaning cassette into the printer and close the cartridge compartment cover.

A buzzer sounds, and "HEAD CLEANING/PUSH [EXEC]" appears on the operation display.

- 5 Press the EXEC button.

The cleaning cassette and protective sheet will clean inside the printer. After the cleaning is

finished, the protective sheet is automatically ejected.

- 6** Remove the cleaning cassette from the printer and set the print cartridge and print paper.

Bluetooth Function

Symptom	Cause/solution
Data cannot be transmitted.	<ul style="list-style-type: none"> • The distance between the device and the printer is too great. → Locate the devices within the maximum communicable distance. • The antenna portion of the printer and/or the camera is covered with a hand, etc. → Do not cover the antenna portion. • The device you wish to connect with the printer has been already connected with another device. → Reconnect the device with the printer after the device's task with another device is finished. • Authentication failed. → Reconnect the printer with the device, and enter the same passkey correctly on both devices. • The connected device interrupted the transmission. → Check the status of the connected device, then reconnect. • The Bluetooth connection is interrupted on the side of the connected device. → Check the status of the connected device.
The connection is disconnected from the desired device.	<ul style="list-style-type: none"> • The same passkey is not entered. → Enter the same passkey correctly both on the printer and the device within 30 seconds. • The device disconnected or ended the connection. → Check the status of the device, try to connect to the device again, and enter the passkey correctly.
Authentication failed.	<ul style="list-style-type: none"> • The same passkey is not entered. → Enter the same passkey correctly both on the printer and the device. • The device disconnected or ended the connection. → Check the status of the device, try to connect to the device again, and enter the passkey correctly.
Data transmission speed is too low.	<ul style="list-style-type: none"> • The antenna portion of the printer and/or the camera is covered with a hand, etc. → Do not cover the antenna portion. Data transmission speed varies depending on the distance between the printer and the device, obstacles, or radio wave conditions. Change the position of the printer or set the printer closer to the device.

Symptom	Cause/solution
Even with the distance between the printer and the desired device within 10 m (3.3 feet), connection cannot be established.	<ul style="list-style-type: none"> • The antenna portion of the printer and/or the camera is covered with a hand, etc. → Do not cover the antenna portion. Data transmission speed varies depending on the distance between the printer and the device, obstacles, radio wave conditions, application software, or the OS. Change the position of the printer or set the printer closer to the device. • The desired device is now connecting to another device. → When the device is connected to another device, the device may not be displayed as an available device or be connectable at that time. • The device is not connectable with the Bluetooth functions. → Set the device so that it is connectable.

Error messages

Error message	Cause/Action
RIBBON END SET CARTRIDGE	<ul style="list-style-type: none"> • The print cartridge runs out. → Replace the print cartridge.
SET PAPER PUSH EXEC	<ul style="list-style-type: none"> • The print paper runs out. → Put the print paper in the paper tray. • The paper tray is not inserted to the printer. → Insert the paper tray.
PAPER JAMMING REMOVE PRINTS	<ul style="list-style-type: none"> • The print paper may jam. → Remove the jammed paper, if any. See "If paper jams" on page 22.
MEDIA MISMATCH PUSH EXEC	<ul style="list-style-type: none"> • The print paper and print cartridge do not match. → Use the same size of the print paper and print cartridge. • The print paper cannot be supplied.
PRINTER SERVICE CALL	<ul style="list-style-type: none"> • Some trouble occurs on the printer. → Contact your Sony service facility or your Sony dealer.
Bluetooth SERVICE CALL	<ul style="list-style-type: none"> • Some trouble occurs on the Bluetooth function. → Contact your Sony service facility or your Sony dealer.

添付資料-1 欧州/豪州 EMC ステートメント (ITE: 情報処理装置)

品質保証部 製品安全課

適合規格 : (欧州 EMC 指令)

(豪州 EMC 指令)

EMI: EN55022 Class BEMI: AS/NZS3548 Class BEMS: EN55024EMS: AS/NZS4252.1 規格要求-1: 機器上への表示 (機器が箱物のとき)

CE/C-Tick マークを機銘板に印刷するか、下記のラベルを機銘板の近くに貼りつけてください。

 CE/C-Tick ラベル(本体)

部品番号: 3-606-916-01

 CE ラベル(B タイプ)

部品番号: 3-918-042-02

 規格要求-2: カートン上への CE 表示 (機器上に表示があれば不要) CE/C-Tick ラベル(カートン)

部品番号: 3-606-917-01

 カートンラベル(CE)

部品番号: 3-188-437-01

 規格要求-3: 取扱説明書への文章掲載 (規格要求 ドイツのみ)

下記の注意文章を取扱説明書の目立つ場所に掲載してください。

クラス B 適合文 (ドイツのみの要求文)

Für Kunden in Deutschland

Dieses Produkt kann im kommerziellen und in begrenztem Maße auch im industriellen Bereich eingesetzt werden. Dies ist eine Einrichtung, welche die Funk-Entstörung nach Klasse B besitzt.

※上記内容での取説への掲載の代わりに、投げ込みでも OK です。

名称: 投げ込み (部品番号: 3-800-534-01)