

Digital Color Printer

Operating Instructions

Before operating the unit, please read this manual thoroughly and retain it for future reference.



This PRINTER is designed to use PRINT PACK bearing the VP trademark to yield quality prints.

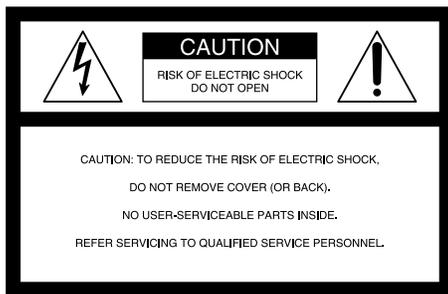
VP Logomark and Design is a trademark used under license.

DPP-M55

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.



This symbol is intended to alert the user to the presence of uninsulated “dangerous voltage” within the product’s enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.



This symbol is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

Owner’s Record

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

Model No. DPP-M55

Serial No. _____

Information

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 an 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.

CAUTION

TV programs, films, video tapes and other materials may be copyrighted.

Unauthorized video printing of such materials may be contrary to the provisions of the copyright laws.

- IBM PC/AT is a registered trademark of International Business Machines Corporation of the U.S.A.
- MS-DOS and Windows are registered trademarks licensed to Microsoft Corporation, registered in the U.S.A. and other countries.
- Macintosh is a trademark licensed to Apple Computer Inc., registered in the U.S.A. and other countries.
- Adobe and Photoshop are trademarks of Adobe Systems Incorporated.
- All other product names mentioned herein may be the trademarks or registered trademarks of their respective companies.

Furthermore, “™” and “®” are not mentioned in each case in this manual.

Table of Contents

Getting Started

What you can do with the Digital Color Printer DPP-M55	4
Loading the print cartridge	5
Inserting the print paper	6

Printing

Printing an image recorded by Sony Digital Still Camera DSC-F1	7
Preparation	7
Printing	7

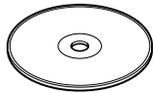
For Your Information

Precautions	8
Troubleshooting	9
If the indicators are on	9
If the print paper jammed	10
Specifications	10
Identifying the parts	11
Optional supplies	11

Supplied accessories

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

- Power cord (1)
- CD-ROM (for Windows 95 and Macintosh) (1)



- User's Guide (for Windows 95) (1)
- User's Guide (for Macintosh) (1)
- Print paper and cartridge (1 set)

What you can do with the Digital Color Printer DPP-M55

The Digital Color Printer DPP-M55 enables you to directly print the image you recorded using the Sony Digital Still Camera DSC-F1 without connecting the printer to the camera.

By connecting the DPP-M55 to your PC or Macintosh, you can edit images and make prints.

Direct printing of the image recorded by the Sony Digital Still Camera

→ page 7

You don't have to connect the printer to the camera. The image data is transmitted from the DSC-F1 to the DPP-M55 via infrared data communication system.

The image data can then be transmitted from the DPP-M55 to the connected PC or Macintosh computer.

Exclusive software to edit images

The DPP-M55 is supplied with a CD-ROM in which you will find the printer driver and the Printer Utility software.

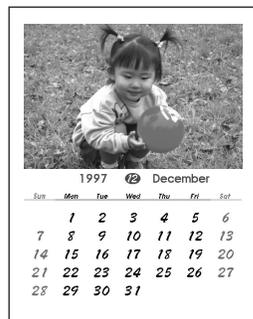
You can use the DPP-M55 to print images processed not only on the supplied Printer Utility but also on an image processing software such as Adobe Photoshop.

Various printouts from the Printer Utility

You can edit images and make printouts from the Printer Utility.

For details, see the "User's Guide" either for Windows 95 or for Macintosh depending on your computer.

- Calendar



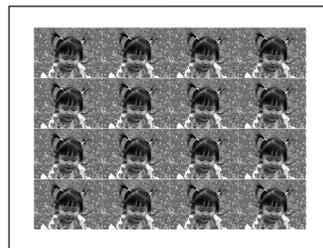
- Cropping



- Greeting card



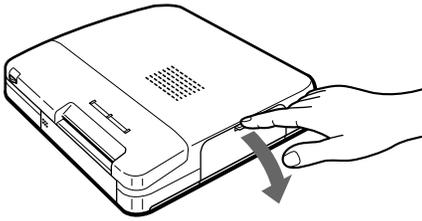
- 1/16-size stickers



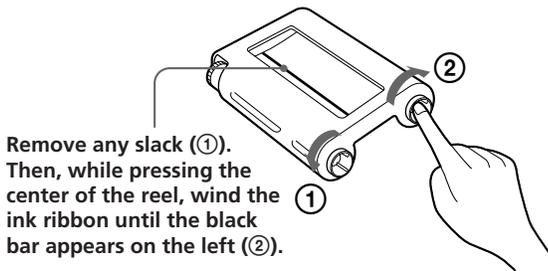
Loading the print cartridge

Insert the print cartridge with the  VP mark into the printer.
Use only the video print cartridge supplied with the video print paper packed in the same carton.

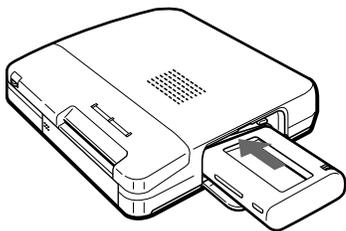
- 1** While pressing down the lever, open the cartridge compartment lid.



- 2** Wind up the ink ribbon to remove the slack.



- 3** Insert the print cartridge firmly until it clicks into place and close the cartridge compartment lid.



If the cartridge compartment lid does not close

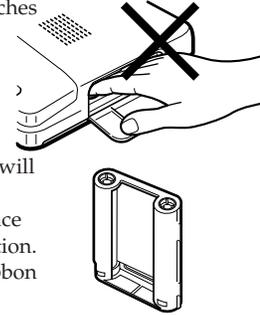
Remove the print cartridge, and then reinsert it.

Caution

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

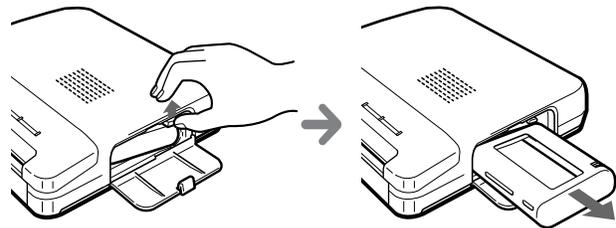
Notes

- When you put the print cartridge, stand it as illustrated so that dust will not get on the ink ribbon.
- 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.

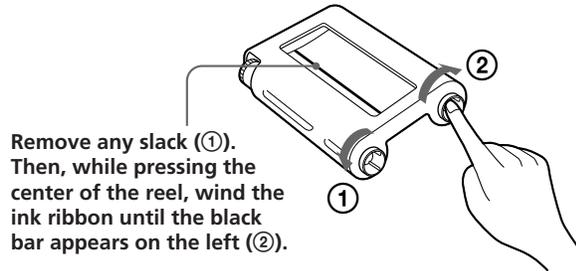


To remove the used print cartridge

Open the cartridge compartment lid and push up the eject lever.



To load the half-used print cartridge



If ink ribbon should tear

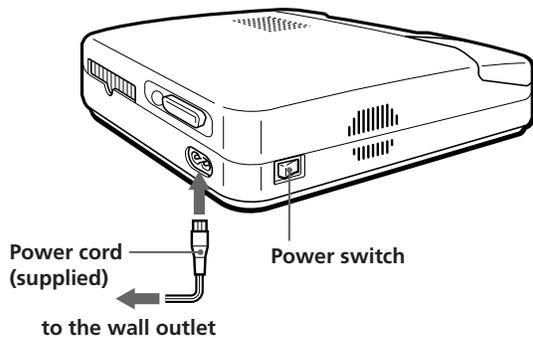
Repair the ribbon with transparent tape. There should be no problem with using the remaining portion of the ribbon. Before loading the print cartridge into the printer, turn the reel until the transparent tape hides.



Inserting the print paper

You can use the print paper with the  VP mark. Insert the print paper only one sheet at a time.

1 Connect the supplied power cord, and turn on the power.

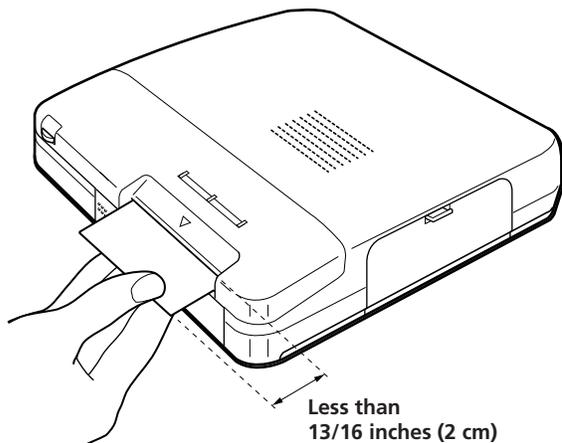


2 Send the print command from the computer or Sony digital still camera.

First the data transmission indicator starts flashing and then the print paper indicator starts flashing.

3 Insert a sheet of print paper into the paper inlet until less than 13/16 inches (2 cm) of the print paper is left out of the paper inlet.

The print paper automatically loaded into the printer.



Notes

- Do not touch the printing surface (the side where nothing is printed).
- Do not place the print paper in a dusty location. Fingerprints or dust on the printing surface may result in imperfect printing.
- Use the print paper recommended for this printer only. If you use a different type of paper, it may cause problems and the printer may not print properly.
- To prevent paper from jamming, do not insert another sheet of print paper before you take out the printout.
- Do not hand-write or type an address or other characters or drawings in the reverse side of the print paper before printing. This may cause paper jamming, or failure in printing.
- You cannot type on the printing surface; use an oil pen to write greetings or other characters or drawings on the printing surface.

Printing an image recorded by Sony Digital Still Camera DSC-F1

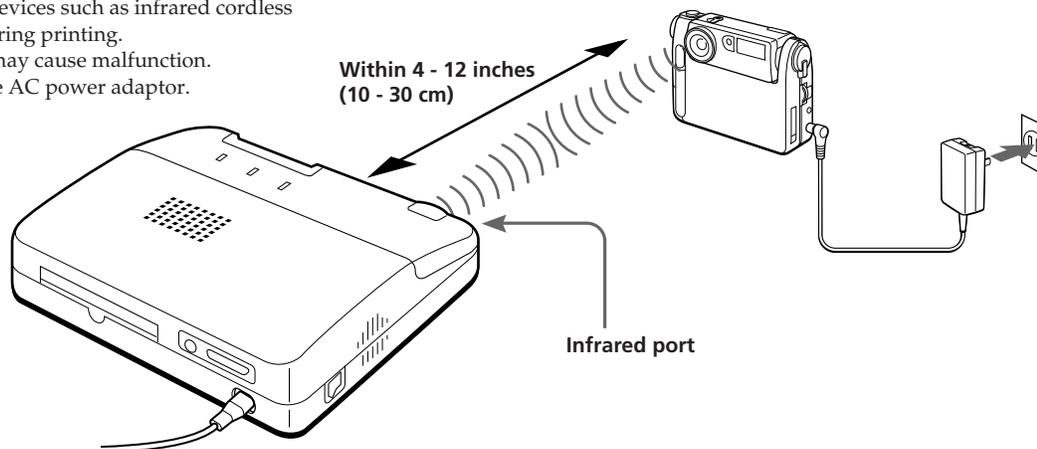
You can directly print the image recorded by the Sony Digital Still Camera DSC-F1.

Preparation

Point the printer's infrared port to the camera's infrared port face to face. Controllable area is about 4 - 12 inches (10 - 30 cm) in terms of straight line distance and an angle of 15 degrees right or left.

Notes

- Position the infrared ports of both equipment within the controllable area. Do not place them outside the area nor place them too close, which may interrupt transferring or results in noises.
- Do not cover the infrared port with your hand or any other objects.
- Infrared rays cannot pass through a wall, opaque glass, etc. If they pass through glass, etc., the controllable distance becomes short.
- Keep other infrared devices such as infrared cordless headphones away during printing.
- Very bright lighting may cause malfunction.
- Use the camera on the AC power adaptor.



Printing

As you must operate the camera to print, refer to the camera's manual for the procedure.

When the printer receives the first data from the camera, it sounds a short beep.

When the printer receives all data successfully, it sounds a long beep and starts printing.

Printing takes about 70 seconds per sheet.

Notes

- Do not move the printer and the camera during printing.
- You may move the printer and the camera after you hear a long beep, except when making several prints.
- The printer will sound intermittent beeps when it cannot receive data properly. If this happens, reposition the camera and the printer as described above.
- To use other functions of the printer, open and read "Readme" file in the supplied CD-ROM. The file contains up-to-date information on the printer.

Precautions

On safety

- Operate the printer on 120 V AC, 60 Hz only.
- Be careful not to put or drop any heavy objects on the power cord, or to damage the cord in any way. Never operate this printer with a damaged power cord.
- Should any solid object or liquid fall into the cabinet, unplug the printer and have it checked by qualified personnel before operating it any further.
- To disconnect the cord, pull it out by the plug. Never pull the cord itself.
- When the printer is not going to be used for an extended period of time, disconnect the power cord from the wall outlet.
- Never disassemble the printer.
- Do not handle the printer roughly.
- To reduce the risk of electrical shock, always unplug the printer from electrical outlet before cleaning and servicing the printer.

On installation

- Avoid placing the printer in a location subject to:
 - vibration
 - high humidity
 - excessive dust
 - direct sunlight
 - extremely high or low temperatures
- Do not use electronic equipment near the printer. The printer will not work properly in electromagnetic fields.
- The printer is designed to operate horizontally. Never attempt to incline the printer.
- Do not place heavy objects on the printer.
- Leave enough room around the printer so that the ventilation holes are not blocked. Blocking these holes may cause internal heat build-up.
- Do not cover the printer with cloth or other materials.

On moisture condensation

If the printer is brought directly from a cold location to warm location or placed in an extremely warm or humid room, moisture may condense inside the unit. In such cases the printer will probably not work properly and may even develop a fault if you persist in using it. If moisture condensation occurs, turn off the power and do not use the printer for at least one hour.

On cleaning

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.

On the print cartridge and print paper

Notes on storing the print cartridge

- Avoid placing the cartridge in a location subject to:
 - high temperatures
 - high humidity
 - excessive dust
 - direct sunlight
- When you are going to store a partially-used cartridge for an extended period of time, store it in its original bag.

Notes on storing the print paper

- Avoid placing the print paper in a location subject to:
 - high temperatures
 - high humidity
 - excessive dust
 - direct sunlight
- When you are going to store the partially-used print paper for an extended period of time, store it in its original bag.

Troubleshooting

If you run into any problems using the printer, use the following check list.

Should any problem persist after you have made the checks below, consult your nearest Sony dealer or Sony service facility.

Refer to the software manual as well.

The power is not turned on.

- ➔ Connect the AC power cord to an AC outlet securely.

Cannot remove the print cartridge.

- ➔ Turn off and on the printer. After the motor sound stops, try to remove the cartridge.

Printing takes longer than usual.

- ➔ If the printing indicator is flashing, see "If the indicators are on."

Cannot print.

- ➔ Connect the printer to the computer properly.
- ➔ Install the software to the computer.
- ➔ If the data transmission indicator is not on, see "If the indicators are on."

The beeps sound.

- ➔ Insert the print paper properly.
- ➔ Make sure that the correct print cartridge is loaded for the print paper.
- ➔ See "If the indicators are on."

If the indicators are on

If you cannot print, check the indicators on the front panel.

The ribbon error indicator is on.

- ➔ The print cartridge is not loaded.
- ➔ The ink ribbon has run out. Change the print cartridge. The printer will start printing automatically.

The print paper indicator (▽) is flashing.

- ➔ No print paper is inserted.

The print paper indicator (▽) is on.

- ➔ No print paper is inserted in the auto paper feeder (not supplied.)

The ribbon error indicator and the print paper indicator (▽) are flashing.

- ➔ The print cartridge does not match the print paper. Use the correct print cartridge for the print paper.

The ribbon error indicator is flashing.

- ➔ The print cartridge does not match the paper type set on the computer. Change the print cartridge or paper type setting and try printing again.

The printing indicator is flashing.

- ➔ Next printing command is input during printing. Wait as it is.

The data transmission indicator does not turn on.

- ➔ The print paper is jammed. Remove the paper from the paper inlet or outlet.

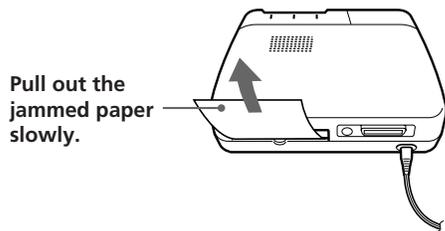
(continued)

Troubleshooting

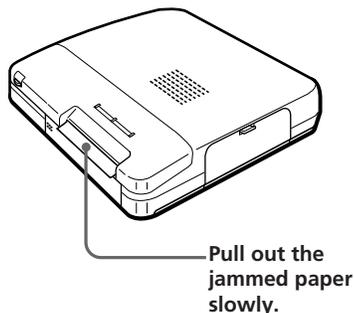
If the print paper jammed

If the print paper jammed, all indicators flash and printing stops. Turn off the power and remove the jammed paper.

Remove the jammed paper from the paper outlet on the rear panel.



Remove the jammed paper from the paper inlet on the front panel.



Note

If the data transmission indicator does not turn on after having removed the jammed paper, turn the power off and on again. Try printing from the camera or computer again.

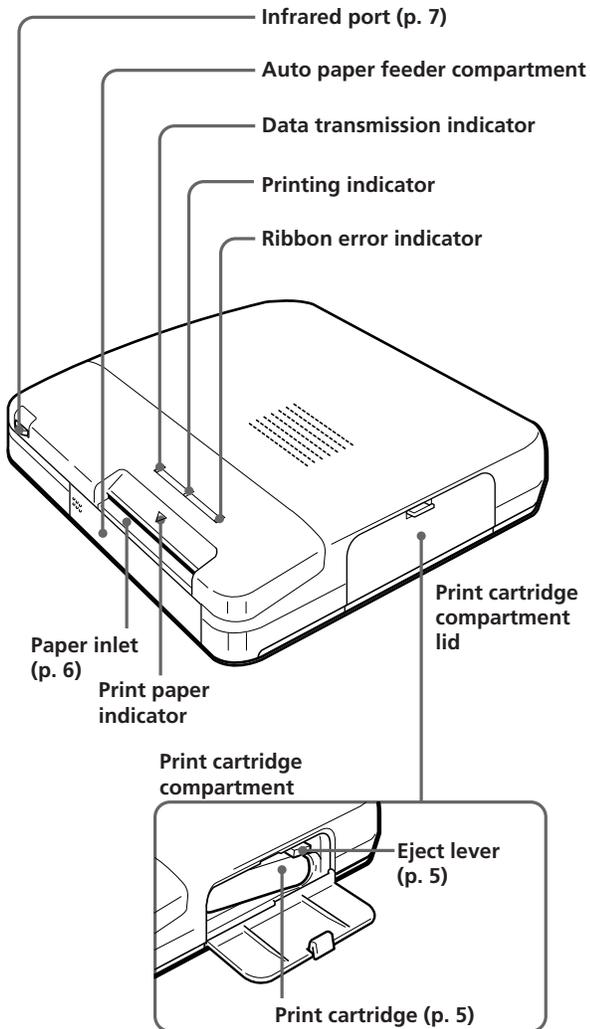
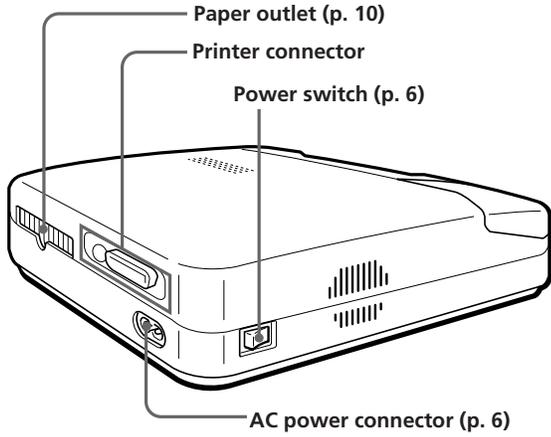
Specifications

Printing system	Sublimation heat transfer printing (Yellow/Magenta/Cyan overlay)
Effective pixels	448 (V) x 640 (H) dot
Printing size	3 ³ / ₈ (V) x 4 ¹ / ₂ (H) inches (85 x 113 mm)
Gradations	256 levels (8 bits), Approx. 16,770,000 colors
Printing time (excluding data transmission time)	Approx. 70 seconds per sheet
Input/output connectors	Centronics Parallel Interface Mini DIN 8-pin Serial Interface Infrared port
Video Print Cartridge and Video Print Paper	Video Print Cartridge for regular and sticker print paper for use only with PRINTERS bearing the VP trademark. Video Print Paper for use only with PRINTERS bearing the VP trademark (4 x 5 ⁵ / ₈ inches (100 x 140 mm)/sheet)
Power requirements	120 V AC, 60 Hz, 0.8A
Operating temperature	40°F to 95 °F (5°C to 35 °C)
Operating humidity	20 % to 80 %
Dimensions	Approx. 10 ⁷ / ₈ x 2 ⁵ / ₈ x 9 ⁵ / ₈ inches (w/h/d, excluding protruding parts) (274 x 65.5 x 242 mm)
Mass	Approx. 5 lb 8 oz (2.5 kg)
Supplied accessories	See page 3.

Design and specifications are subject to change without notice.

Identifying the parts

See the pages given in parenthesis for use of the parts.



Optional supplies (print packs)

You need an optional print pack containing print paper and print cartridge for printing. Make sure to use the following print packs with the  mark.

Video Print Pack VPM-P50STA (Standard type)

One print cartridge and 50 sheets of standard print paper for 50 printouts

Video Print Pack VPM-P50WSA (Sticker type)

One print cartridge and 50 sheets of sticker print paper for 50 printouts

