

# Before Printing

Once the printer is connected to the computer (page 10), before you can actually begin printing you must load the paper and the ink ribbon as described below.

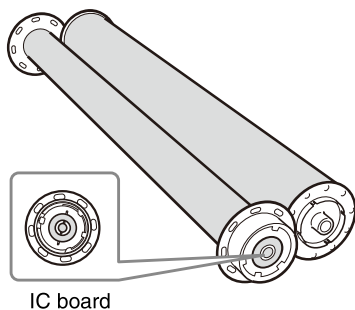
## Notes on the Handling of the Ink Ribbon and Paper

### Compatible ink ribbon and paper

- Be sure to use only ink ribbon and paper that is intended specifically for use with this printer.
- Always use the ink ribbon and paper provided in the same package together. Each printing pack contains two ink ribbons rolls and two paper rolls.
- For details on the ink ribbon and paper that can be used in this printer, see “Ink Ribbon and Paper” on page 20.

### Handling the ink ribbon

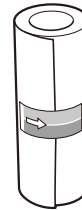
- Do not separate the two spools of the ink ribbon before loading it in the printer.
- An IC board is built into one of the spools. Do not touch the terminals of the IC board, and do not allow them to come into contact with metal objects, etc. Furthermore, do not strike, bend or drop the ink ribbon; doing so could make the ink ribbon unusable.



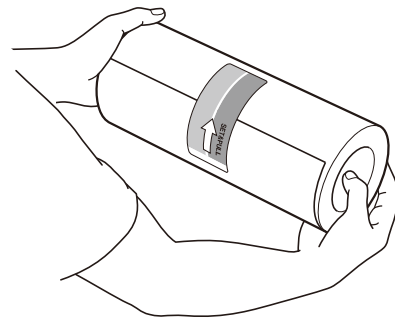
- Do not attempt to re-use a used ink ribbon.
- Do not rewind the ink ribbon.
- Do not touch the surface of the ink ribbon, and do not leave it exposed in a dusty location. Fingerprints and dust on the surface of the ink ribbon can cause smudges in printed output, and can damage the thermal head.
- Since, like other color dyes, the dyes used in this ink ribbon may discolor over time, the product will neither be replaced nor be warranted against any color change.

### Handling paper rolls

- Place the paper roll vertically on the stable place, when opening the wrapping. If you open the wrapping holding it with hands or placing it horizontally, you may drop it. Dropping may result in an injury.
- Be sure not to open the wrapping with a knife such as a cutter. This may damage a paper roll and ink ribbon and you may not be able to use them for printing.
- Whenever you set down a paper roll, place it standing on its end as show in the figure below. If you place it on its side, it could roll of the surface and fall, possibly causing personal injury.



- Always hold a paper roll securely with two hands. Dropping a paper roll could cause personal injury. Any dust on the printing surface will result in poor printout quality.



Hold securely with two hands

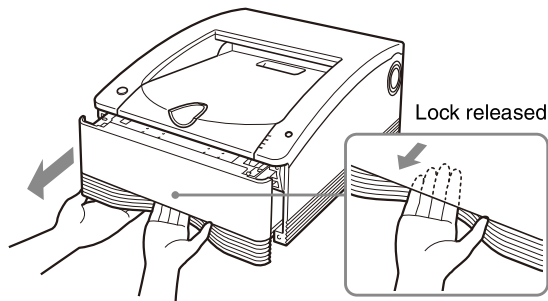
### Notes on storing ink ribbons and paper

- Do not store ink ribbons and paper in locations exposed to high temperatures, high humidity, dust, or direct sunlight.
- Do not open the ink ribbon and paper packages until you are ready to use them.
- If it is necessary to store a partially used ink ribbon or paper roll for an extended period of time, it is recommended that they be stored in their original bags.

## Loading the Ink Ribbon and Paper

When using the printer for the first time, it is necessary to first load the paper and ink ribbon.

- 1 Make sure that the printer is not performing an operation, and then pull out the media tray. As shown in the figure below, hook your fingers under the bottom edge of the media tray and pull the tray out, using your other hand to support the media tray from the bottom.

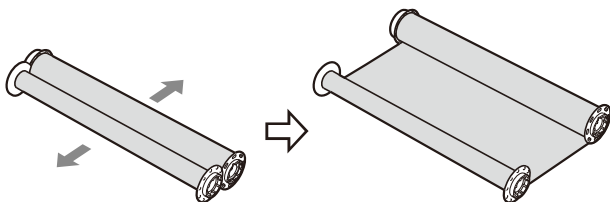


The media tray is normally locked in place when it is in the printer. The lever that releases the media tray is located behind the bottom edge of the tray. To unlock the tray, simply pull the lever with your fingers.

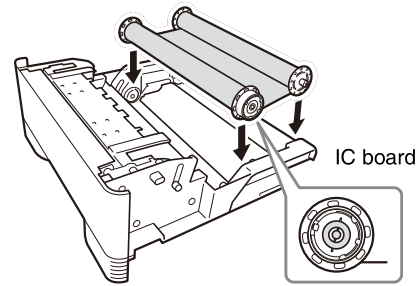
### Notes

- Be careful not to drop the media tray when pulling it out. Dropping the media tray may result in an injury. When pulling out and inserting the media tray, hold the handle part with one hand and support the media tray from the bottom with the other hand, while making sure both of your hands are securely holding the media tray.
- Do not leave the media tray partially opened. When performing work on the media tray, pull it out of the printer completely.
- Perform the work while the removed tray is placed on a stable surface.
- Do not set the media tray down in a dusty location. Dust can cause smudges in printed output, and can damage the thermal head.

- 2 Separate the two spools of the ink ribbon.

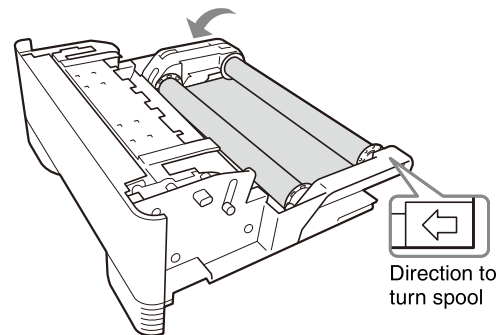


- 3 Load the ink ribbon in the media tray. Place the ink ribbon in the media tray so that the IC board of the ink ribbon is positioned as shown in the figure below.

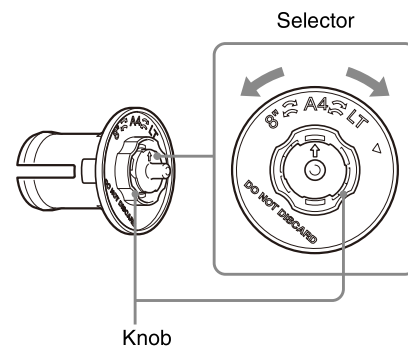


### Note

If there is any slack in the cleaning ribbon after it is placed in the tray, take up the slack by turning the spool in the direction indicated by the arrow in the following figure.



- 4 Set the selector for the paper holder (blue). Turn the knob on the paper holder (blue) selector to match the size of the paper roll.



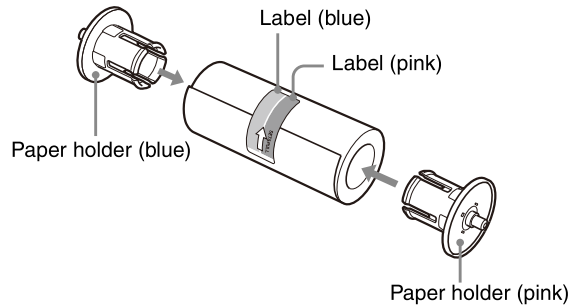
The selector settings and paper rolls correspond as follows.

- A4 (A4 size): UPC-R80MD
- LT (letter size): UPC-R81MD
- 8" (8-inch width): Not used

### Note

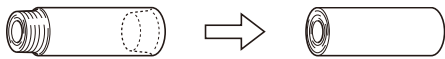
Do not turn the selector beyond the range of the paper size marks when setting it. Doing so may result in damage.

- 5** Insert the paper holders into the paper roll.  
A pink paper holder and a blue paper holder are provided with the printer. Insert these paper holders into the ends of the paper roll as shown in the figure below, with the pink paper holder in the end closer to the pink adhesive label and the blue paper holder in the end closer to the blue label.

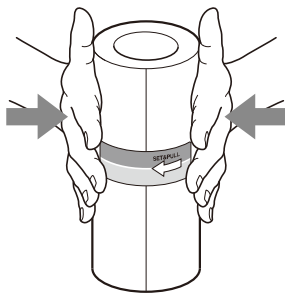


**Notes**

- If the edges of the paper on the ends of the paper roll are not even, it is necessary to make the edges even (being careful not to crumple the edges while doing so) before placing the paper roll in the media tray. Using a paper roll with uneven edges can cause a malfunction.



- Do not strike or squeeze the paper roll. Doing so could break or bend the paper roll, and could result in poor printing quality.
- If inserting the paper holder into the paper roll is difficult when loading the paper roll, squeeze the roll from both sides to restore its shape.



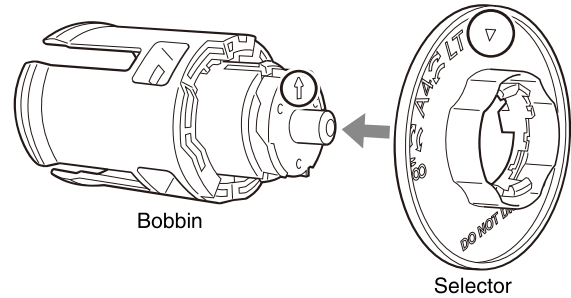
- Correctly insert the paper holders all the way.

**If the paper holder selector comes off**

The selector could come off if you drop the blue paper holder. Follow the procedure described below to reattach the selector to the paper holder.

- ① As shown in the figure below, put the selector in the bobbin, line up the ▼ mark on the selector with the arrow on the bobbin, and then push the selector into place.

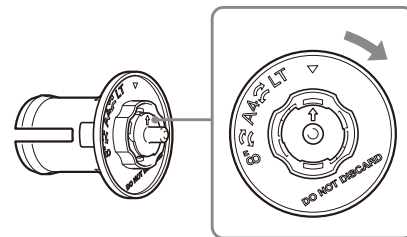
The hook on the selector snaps into the notch on the bobbin marked by the arrow.



**Note**

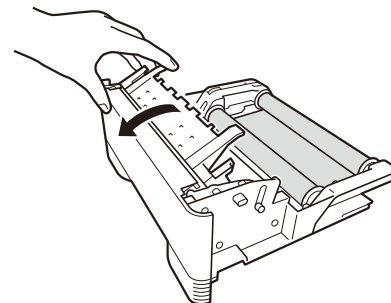
There are two hooks on the selector: one indicated by the ▼ mark and the other on the opposite side of the selector. Do not install the selector so that the hook on the side opposite of the ▼ mark is in the notch on the bobbin marked by the arrow, as doing so could result in damage to the paper holder.

- ② Turn the selector in the direction indicated by the arrow in the figure below until it clicks into place.

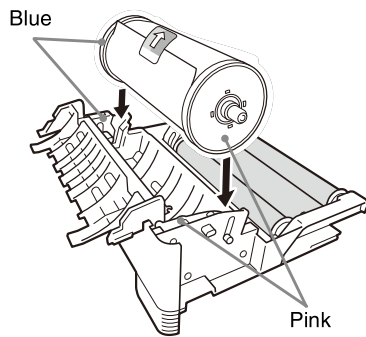


- 6** Load the paper roll in the media tray.

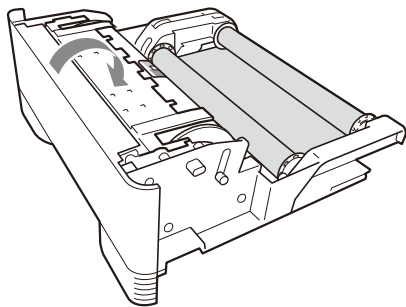
- ① Open the media tray cover.



- ② Place the paper roll in the media tray so that the arrow on the label points toward the ink ribbon side. You can load the paper roll in the correct direction by matching the colors of the paper holders inserted into the paper roll with the colors on the media tray.



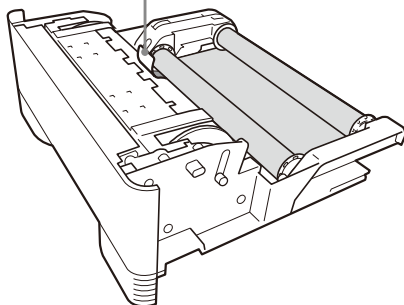
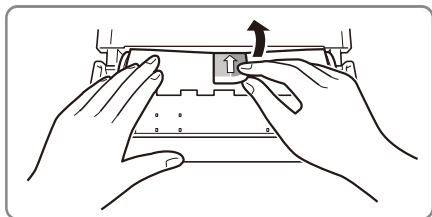
- ③ Close the media tray cover so that it clicks into place.



**Note**

Once the paper roll has been loaded, do not touch the printing surface (the inner surface of the paper roll). Fingerprints or sweat on the surface of the paper, or even creases in the paper, could result in poor printing quality.

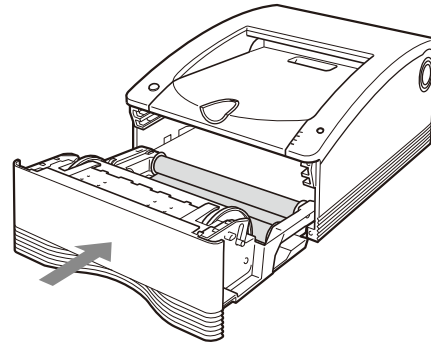
- 7 Carefully peel off the adhesive labels from the paper roll in the direction indicated by the arrow.



**Note**

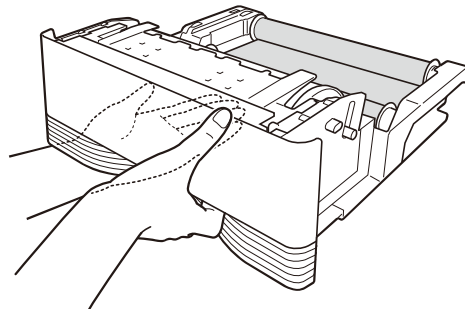
Be certain to remove the labels completely. If the labels are not peeled off carefully, they can leave adhesive on the paper. Leaving any of the label in the printer can cause a malfunction.

- 8 Insert the media tray into the printer. Push the media tray in until it clicks into place.



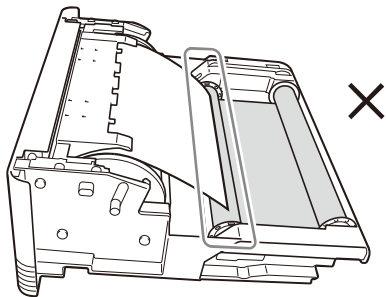
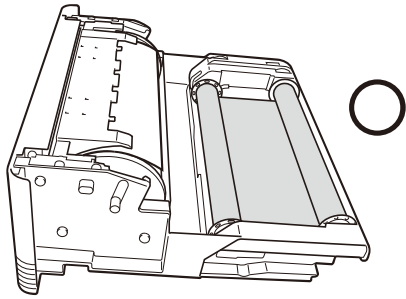
**Notes**

- Dropping the media tray while it is loaded with paper and ink ribbon could cause personal injury. Always use two hands when carrying the media tray, supporting the media tray from the bottom.



- Make sure that the leading edge of the paper does not extend to the ink ribbon. If the leading edge of the paper touches the ink ribbon, it can cause a malfunction.





- Removing the adhesive labels before closing the cover can cause a malfunction.

### If the ink ribbon becomes torn while still in use

Cellophane tape, etc., can be used to repair a torn ink ribbon so that the remainder of the ribbon can be used.

## Replacing the Ink Ribbon and Paper

Once the ink ribbon or paper have been used to print the specified number of sheets, follow the procedure described below to replace the ink ribbon and paper.

### Notes

- Be sure to replace the ink ribbon and the paper roll at the same time.
- The ink ribbon and paper roll both contain excess material. Even if there appears to be some excess ink ribbon or paper remaining, replace both with a new ink ribbon and paper roll. Attempting to use the remaining excess ink ribbon or paper can cause a malfunction.

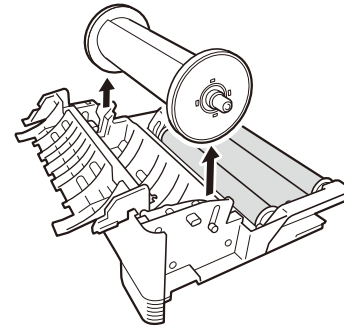
- 1 Make sure that the printer is not performing an operation, and then pull out the media tray.

### Notes

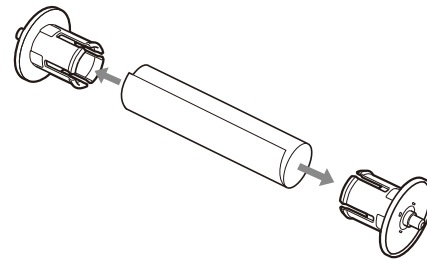
- If the media tray does not pull out, do not force it out. Press the ON/STANDBY switch to enter the standby state, and then press the switch again to turn the printer ON. Try pulling the media tray again after the printer finishes initializing.
- After a printing operation is completed, the thermal head is very hot. When pulling out the media tray, be careful not to touch the thermal head. Touching

the thermal head could result in a burn. Also, be careful not to scratch the thermal head.

- 2 Open the cover of the media tray and remove the paper roll.



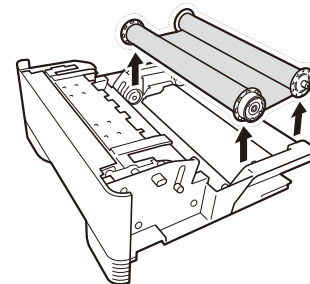
- 3 Remove the paper holders from the paper roll.



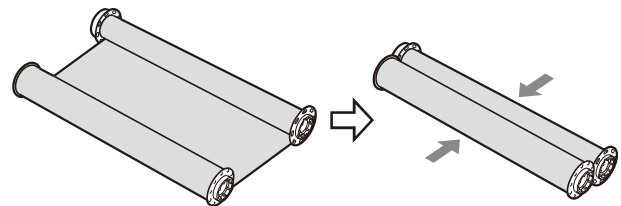
### Note

Be sure to retain the paper holders for use with the next paper roll. Do not discard the paper holders.

- 4 Remove the ink ribbon.



Roll together the two spools of the ink ribbon that you just removed.

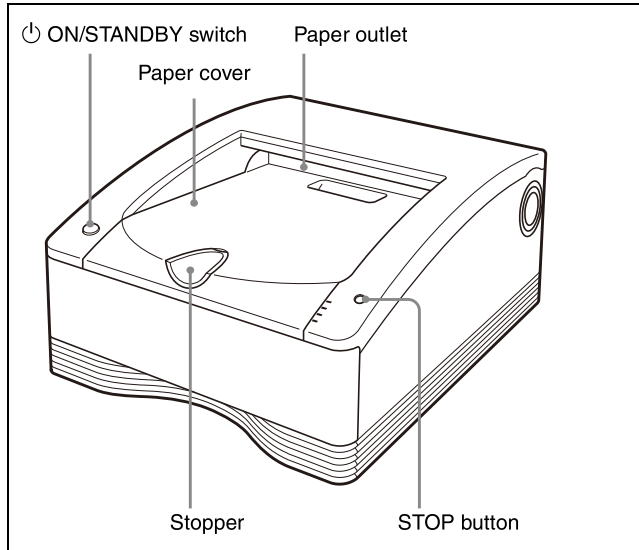




- 5 Load the new ink ribbon and paper. For details on how to load ink ribbon and paper, refer to “Loading the Ink Ribbon and Paper” on page 13.

# Printing


## Before printing

- Is the printer connected to a computer? (page 10)
- Has the printer driver been installed? (page 11)
- Has the media tray been properly loaded? (page 13)




- 1** Press the printer  ON/STANDBY switch to turn on the power of the printer. The  ON/STANDBY indicator lights and initialization of the printer begins. The PRINT, ALARM, RIBBON/PAPER, and CLEANING indicators light simultaneously during initialization of the printer, and go out when initialization is complete.
- 2** Turn the computer on.
- 3** Using the computer, initiate a printing operation. The PRINT indicator flashes while the image data is being received, and then remains steadily lit while printing is in progress.

### Notes

- Do not place objects on the paper cover that will obstruct printing. Doing so may result in damage.
- Although the paper being printed may come into view in the paper outlet while printing is in progress, do not touch the paper until printing is completed. Doing so could result in misoperation.
- Do not allow more than 10 printouts to accumulate on the paper cover. Leaving too many printouts on the paper cover could cause a paper jam.
- Do not press the  ON/STANDBY switch to enter the standby state while printing is in progress. Doing so may cause a paper jam or the ink ribbon to break.

- **Do not open the media tray while printing is in progress.**

If the media tray is opened, printing stops and the PRINT, ALARM, RIBBON/PAPER, and CLEANING indicators all light simultaneously. In such an event, press the  ON/STANDBY switch once to enter the standby state and then press the switch again to turn the printer ON, and check that there is no paper jam or the ink ribbon is not broken. Also, if printing was partway through, cut off the used part of the paper roll with a pair of scissors or the like before using the printer.

### Notes

#### Storing printed images

- Avoid storing printouts in a location subject to high temperatures, high humidity, excessive dust or direct sunlight. Such conditions could result in fading.
- Do not stick tape on a printout. Also, do not let printouts come into contact with materials which contain plasticizers, such as erasers or desk mats.
- Do not allow volatile organic solvents, such as alcohol, to come into contact with printouts.

#### Cancelling continuous printing

Press the STOP button. Printing of the current item finishes, and then the printer enters the ready state once the printout is ejected.

#### When printing is disabled

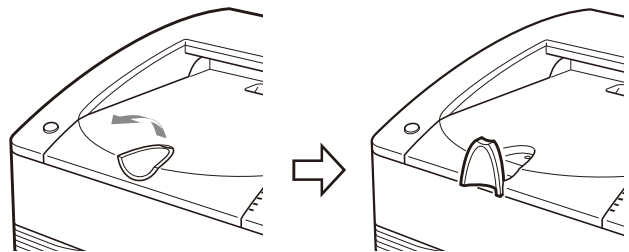
The printer will not operate if the ALARM, RIBBON/PAPER or CLEANING indicator is on. For details, see “Explanation of Indicators” on page 23.

#### If the ink ribbon runs out while continuous printing

The printer terminates the printing operation. Once the new ink ribbon is loaded, the printing operation automatically resumes and the remaining images are printed.

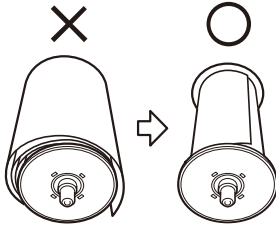
#### Using the stopper

To prevent ejected printouts from falling off of the paper cover, insert your finger in the depression on the edge of the stopper and then flip the stopper up in the direction indicated by the arrow in the diagram below.



### When removing and then reloading a partially used paper roll

If the paper roll is not tightly rolled, roll it up more tightly before reloading it.



#### Note

When removing a partially used paper roll, be sure to place the media tray on a stable surface before beginning.

If you drop the media tray while it contains a paper roll, it could cause personal injury.

**When removing and inserting the media tray, be sure to use both hands, with one hand holding the handle and the other hand supporting the media tray from the bottom.**

# Precautions

## Safety

- Operate the printer using the power source specified in “Specifications” (page 21).
- Be careful not to damage the power cable by placing or dropping heavy objects on it; it is dangerous to use the unit with a damaged power cable.
- If you do not intend to use the printer for a long time, press the ⏻ ON/STANDBY switch on the printer to enter the standby state and then remove the power plug.
- Unplug the power cable by grasping the plug, not the cable itself.
- Do not disassemble the unit. 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.
- If the unit 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 unit in a location subject to:
  - mechanical vibration
  - high humidity
  - excessive dust
  - direct or excessive sunlight
  - extremely high or low temperatures
- Ventilation holes are provided on the back of the unit to prevent the unit from overheating. Be careful not to obstruct them with other objects or by covering the unit with a cloth etc.

## On condensation

- If the printer is subjected 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 quantities 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 moisture condensation forms, turn off the power and leave the printer standing for at least one hour.
- If the printing pack is subjected to wide and sudden changes in temperature, condensation may form on the ink ribbon or paper inside. 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.

- 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.

## On Transportation

**When transporting the printer, be certain to first remove all accessories, including the ink ribbon and paper.** Carrying the printer with accessories installed can later cause the printer to malfunction. It is recommended that the ink ribbon and paper roll be stored in their original bags.

## Cleaning

### Note

Before you clean the printer, be sure to press the ⏻ ON/STANDBY switch to enter the standby state and then remove the power plug.

## When the cabinet becomes dirty

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 benzene or chemical cloth, which may damage the finish.

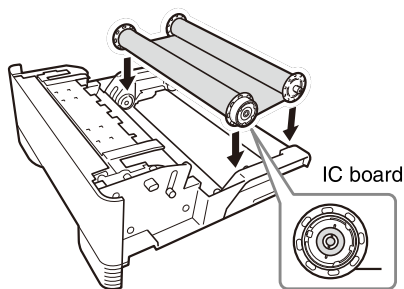
## Cleaning the internals of the printer

If printouts begin to appear with lines or marks on them, clean the internals of the printer according to the procedure described below.

To maintain print quality, we recommend that you perform regular cleaning once a month or once after every 10 printing packs used.

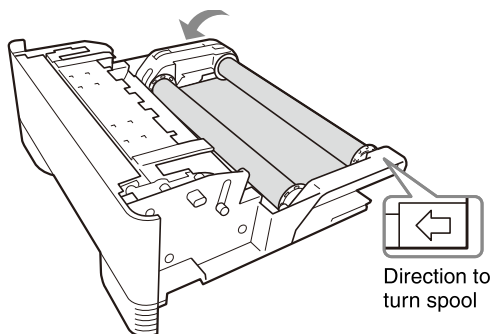
- 1** Make sure that the printer is not performing an operation, and then pull out the media tray.
- 2** Confirm whether there is paper inside.
- 3** Remove the ink ribbon.  
For details on how to remove the ink ribbon, see step 4 of “Replacing the Ink Ribbon and Paper” on page 16.

- 4 Load the cleaning ribbon.  
For details on how to load the cleaning ribbon, see steps 2 and 3 of “Loading the Ink Ribbon and Paper” on page 13.



**Note**

If there is any slack in the cleaning ribbon after it is placed in the tray, take up the slack by turning the spool in the direction indicated by the arrow in the following figure.



- 5 Insert the media tray into the printer.  
When the printer finishes initializing, the CLEANING indicator flashes and cleaning starts automatically.  
When cleaning is completed, the CLEANING indicator turns off.
- 6 Make sure that the printer is not performing an operation, and then pull out the media tray.
- 7 Remove the cleaning ribbon.
- 8 Load the ink ribbon.
- 9 Insert the media tray into the printer.

**Notes**

- Store the cleaning ribbon in a location without dust (such as in a bag).
- Place the removed media tray on a stable surface when loading and removing the cleaning ribbon.
- Dropping the media tray while paper is loaded may result in an injury. When pulling out and inserting the media tray, hold the handle part with one hand and support the media tray from the bottom with the other hand, while making sure both of your hands are securely holding the media tray.

## Ink Ribbon and Paper

**Laminate Color Printing Pack UPC-R80MD**

Contains two color ink ribbons and two rolls of paper (A4-size width).

**Laminate Color Printing Pack UPC-R81MD**

Contains two color ink ribbons and two rolls of paper (Letter size width).

**Printable quantity**

The number of printouts that can be made with a single set of ink ribbon and paper is shown below.

| Printing pack    | UPC-R80MD | UPC-R81MD |
|------------------|-----------|-----------|
| Number of sheets | 50 sheets | 50 sheets |
| Print size       | A4        | Letter    |

**Notes**

- Do not change the ink ribbon and paper roll when they are only partially used. Doing so can cause problems. The number of printouts indicated above is not quarantined.
- **When the ink ribbon is used up, replace both the ink ribbon and the paper roll.**

Miscellaneous

# Specifications

|                                   |   |
|-----------------------------------|---|
| Power requirements                | 100 to 240 V AC, 50/60 Hz   |
| Input current                     | 3.4 to 1.4 A  |
| Operating temperatures            | 5 °C to 35 °C (41 °F to 95 °F)  |
| Operating humidity                | 20% to 80% (no condensation)  |
| Operating pressure                | 700 hPa to 1,060 hPa  |
| Storage and transport temperature | -20 °C to +60 °C (-4 °F to +140 °F)   |
| Storage and transport humidity    | 20% to 80% (no condensation)  |
| Storage and transport pressure    | 700 hPa to 1,060 hPa  |
| Dimensions                        | Approx. 317 × 425 × 207 mm (w × d × h)  |
| Weight                            | Approx. 11.5 kg   |
| Printing system                   | Dye transfer sublimation thermal printing   |
| Thermal head                      | 11.83 dot/mm, 2,560 dots (301 dpi)  |
| Gradations                        | 8-bit (256-level) processing each for yellow, magenta, and cyan   |
| Maximum print size                | A4 size: 202 × 287 mm<br>Letter size: 208 × 269 mm  |
| Picture elements                  | A4 size: 2,392 dots × 3,400 dots<br>Letter size: 2,464 dots × 3,192 dots  |
| Printing time                     | Approximately 76 seconds (A4 size)<br>Approximately 72 seconds (Letter size)  |
| Interface                         | Hi-Speed USB (USB 2.0)  |
| Accessories supplied              | Paper holder (pink) (1)<br>Paper holder (blue) (1)<br>Cleaning ribbon (1)<br>USB cable 1-824-211-41 (SONY) (1)<br>Before Using this Printer (1)<br>CD-ROM (1)<br>Software License Agreement (1) |
| Optional accessories              | Ink ribbon/paper roll<br>Self-Laminating Color Printing Pack<br>UPC-R80MD<br>Self-Laminating Color Printing Pack<br>UPC-R81MD   |

Design and specifications are subject to change without notice.

## Medical Specifications

|  |          |
|--|----------|
| Protection against electric shock:           | Class I  |
| Protection against harmful ingress of water: | Ordinary |

Degree of safety in the presence of a flammable anesthetic mixture with air or with oxygen or nitrous oxide:  
Not suitable for use in the presence of a flammable anesthetic mixture with air or with oxygen or nitrous oxide  
Mode of operation:  
Continuous

## Notes

- Always verify that the unit is operating properly before use. SONY WILL NOT BE LIABLE FOR DAMAGES OF ANY KIND INCLUDING, BUT NOT LIMITED TO, COMPENSATION OR REIMBURSEMENT ON ACCOUNT OF FAILURE TO PRINT CONTENT OF ANY TYPE OR LOSS OF DATA DUE TO FAILURE OF THIS UNIT OR ITS PRINTING MEDIA, ASSOCIATED SOFTWARE, EXTERNAL STORAGE, OR OTHER EXTERNAL DEVICE.
- SONY WILL NOT BE LIABLE FOR DAMAGES OF ANY KIND INCLUDING, BUT NOT LIMITED TO, COMPENSATION OR REIMBURSEMENT ON ACCOUNT OF THE LOSS OF PRESENT OR PROSPECTIVE PROFITS DUE TO FAILURE OF THIS UNIT, EITHER DURING THE WARRANTY PERIOD OR AFTER EXPIRATION OF THE WARRANTY, OR FOR ANY OTHER REASON WHATSOEVER.

Miscellaneous

## About the Self-Laminating Color Printing Pack (UPC-R80MD/R81MD)

### Caution

When you dispose of the unit or accessories, you must obey the laws in the relative area or country and the regulations in the relative hospital.

### For the customers in Europe

The manufacturer of this product is Sony Corporation, 1-7-1 Konan, Minato-ku, Tokyo, Japan.  
The Authorized Representative for EMC, Medical devices, and product safety is Sony Deutschland GmbH, Hedelfinger Strasse 61, 70327 Stuttgart, Germany.  
TEL: (0)711 5858 0 FAX: (0)711 5858 235



### Precautions





- Store unopened paper rolls in a cool dark place.
- Open paper rolls only when ready to use.
- Please refer to the printer's instruction manual about how to load the paper roll.
- Promptly load the paper roll into the tray and place into the printer.
- This paper roll is specifically designed for Sony printers. Do not use with printers from other manufacturers.



# Troubleshooting

If a problem appears, check the following troubleshooting guide first and perform whatever action is necessary to solve the problem. If the problem persists, turn off the printer and consult with your Sony dealer.

| Symptom   | Possible causes and remedies  |
|---|---|
| The printer does not print even though images are being sent from the computer. | <ul style="list-style-type: none"> <li>The printer is in the standby state (the  ON/STANDBY indicator is not lit).<br/>→ Press the  ON/STANDBY switch.</li> <li>The printer is not connected properly.<br/>→ Check the connections (page 10).</li> </ul>  |
| The printer does not print.   | <ul style="list-style-type: none"> <li>An indicator on the printer is displaying an error status.<br/>→ Refer to “Explanation of Indicators” on page 23 and take the appropriate action.</li> </ul>   |
| The paper roll cannot be loaded in the media tray.                              | <ul style="list-style-type: none"> <li>The paper roll is being loaded with the colors of the paper holders and the colors on the media tray incorrectly matched.<br/>→ Load the paper roll so that the colors of the paper holders and the colors on the media tray match (page 15).</li> </ul>   |
| The paper does not feed.  | <ul style="list-style-type: none"> <li>The paper roll is loaded with the colors of the paper holders and the colors of the labels affixed to the paper roll incorrectly matched.<br/>→ Load the paper roll so that the colors of the paper holders and colors of the labels affixed to the paper roll match (page 14).</li> <li>The paper roll is loaded with the left and right reversed (when the paper roll has been reloaded).<br/>→ Load the paper roll in the proper direction (page 15).</li> <li>The paper holder selector does not match the size of the paper roll.<br/>→ Set the selector properly (page 13).</li> <li>The label affixed to the paper roll has not been peeled off.<br/>→ Peel the label off properly (page 15).</li> <li>The paper roll is wound too loosely.<br/>→ Rewind the paper roll and then load it (page 18).</li> <li>The leading edge of the paper roll is folded.<br/>→ Cut off the folded part so that the paper becomes straight (page 24).</li> </ul> |
| The print area is printed offset.   | <ul style="list-style-type: none"> <li>The paper holder selector does not match the size of the paper roll.<br/>→ Set the selector properly (page 13).</li> </ul>   |
| There are marks and stripes on the print side.                                  | <ul style="list-style-type: none"> <li>The thermal head is dirty.<br/>→ Perform the cleaning operation (page 19).</li> </ul>  |

| Symptom   | Possible causes and remedies   |
|---|--|
| The media tray cannot be opened.                      | <ul style="list-style-type: none"> <li>The power may have been turned off during the printing operation.<br/>→ Press the  ON/STANDBY switch to turn on the power of the printer and initialize the printer.</li> <li>The printer may not have been able to recover from an error.<br/>→ Press the  ON/STANDBY switch to enter the standby state and then press the  ON/STANDBY switch again to turn on the power. If the media tray still cannot be opened, press the  ON/STANDBY switch to enter the standby state and then disconnect the power cord and contact your dealer.</li> </ul> |
| The fan turns when the printer is in the ready state. | <ul style="list-style-type: none"> <li>The printer is performing temperature control. This is not a malfunction.</li> </ul>  |

# Explanation of Indicators

The meanings of the indicators on the printer when they are on or flashing are described below.

| Indicator                                | Status          | Possible causes and remedies  |
|--|-----------------|---|
| ⏻ ON/<br>STANDBY<br>(green)              | On              | The printer is turned on.   |
|  | Flashing        | The printer is entering the standby state.  |
| CLEANING<br>(orange)                     | On              | The cleaning ribbon is loaded.<br>→ Remove the cleaning ribbon.   |
|  | Flashing        | Cleaning in progress.   |
| RIBBON/<br>PAPER<br>(orange)             | On              | One of the following causes. <ul style="list-style-type: none"> <li>A paper roll has not been loaded.<br/>→ Load a paper roll (page 14).</li> <li>An ink ribbon has not been loaded.<br/>→ Load an ink ribbon (page 13).</li> <li>The ink ribbon has been used up.<br/>→ Load a new ink ribbon and paper roll (page 16).</li> <li>A ribbon error has occurred.<br/>→ Check that an ink ribbon has been loaded properly.</li> <li>The paper roll is the wrong size.<br/>→ Set the paper holder selector properly (page 13).</li> </ul> |
| ALARM <sup>1)</sup><br>(orange)          | On              | One of the following causes. <ul style="list-style-type: none"> <li>The media tray is not closed.<br/>→ Close the media tray properly.</li> <li>A paper jam has occurred in the printer.<br/>→ Remove the jammed paper (page 24).</li> <li>The paper outlet is full of printouts.<br/>→ Remove the printouts that are blocking the paper outlet.</li> </ul>   |
| RIBBON/<br>PAPER,<br>ALARM <sup>1)</sup> | On              | One of the following causes. <ul style="list-style-type: none"> <li>The paper roll has run out.<br/>→ Load a new ink ribbon and paper roll (page 16).</li> <li>A paper feed error has occurred.<br/>→ Check the ink ribbon and paper roll.</li> <li>A paper eject error has occurred.<br/>→ Check the ink ribbon and paper roll.</li> </ul>   |
| PRINT<br>(green)                         | On              | Printing is in progress.  |
|  | Flashing        | Image data is being received.   |
|  | Flashing slowly | The printer is waiting until the thermal head reaches a temperature at which printing is possible. Once that temperature is reached, the PRINT indicator will light.  |

| Indicator   | Status | Possible causes and remedies  |
|---|--------|---|
| All of<br>CLEANING,<br>RIBBON/<br>PAPER,<br>ALARM,<br>and PRINT | On     | <ul style="list-style-type: none"> <li>The printer is initializing.<br/>→ After pressing the ⏻ ON/<br/>STANDBY switch to turn on the printer, this indicator remains lit while the printer is initializing. Wait until initialization is complete.</li> <li>The media tray was opened during printing.<br/>→ Press the ⏻ ON/<br/>STANDBY switch to enter the standby state, press the ⏻ ON/<br/>STANDBY switch again to turn on the power, and then check the ink ribbon and paper roll.</li> <li>A serious failure has occurred.<br/>→ Press the ⏻ ON/<br/>STANDBY switch to enter the standby state, and then press the ⏻ ON/<br/>STANDBY switch again to turn on the power. If the printer is still unable to recover from the failure, press the ⏻ ON/<br/>STANDBY switch to enter the standby state and then disconnect the power cord and contact your dealer.</li> </ul> |

<sup>1)</sup> During continuous printing, the PRINT indicator lights at the same time if there are still images remaining.

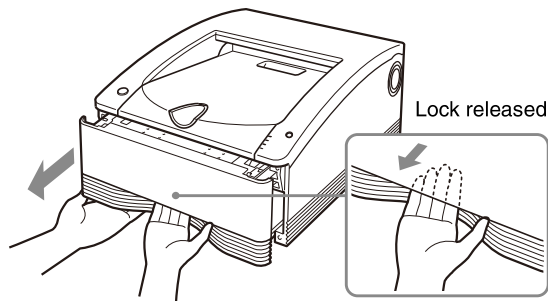
# If a paper jam occurs

While the printer is printing, if the ALARM indicator lights and any of the following messages appears on the computer monitor, it is possible that a paper jam has occurred in the printer:

- “A paper jam has occurred. Remove the jammed paper.”
- “A paper jam has occurred. Printing has stopped. Remove the jammed paper and then resume printing.”
- “There is a problem with a motor or a sensor. Printing has stopped. Turn the printer off and then back on again, and then resume printing.”

If a paper jam has occurred, follow the procedure described below to check the status of the paper roll.

- 1 Make sure that the printer is not performing an operation, and then pull out the media tray.



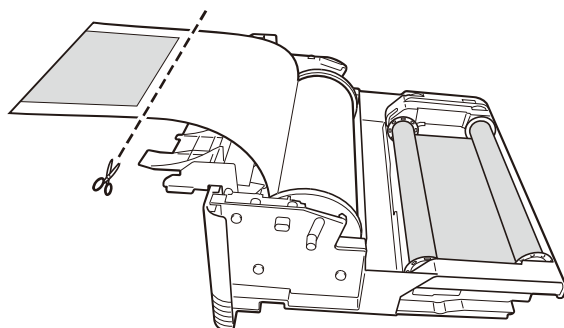
### Note

If the media tray does not pull out, do not force it out. Press the **ON/STANDBY** switch to enter the standby state, and then press the switch again to turn the printer ON. Try pulling the media tray again after the printer finishes initializing.

- 2 Open the media tray cover, check whether there is printing on the paper, and cut the paper. Cut the paper as follows.

### If there is printing on the paper

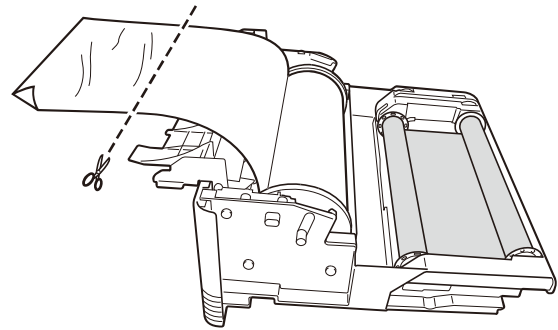
Cut off the printed portion with a pair of scissors.



### If there is no printing on the paper

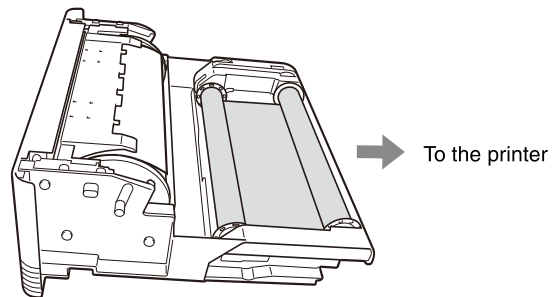
Make sure that the leading edge of the paper is not creased or wrinkled.

If the leading edge is creased or the paper is wrinkled, cut off the leading edge or wrinkled portion with a pair of scissors or the like.



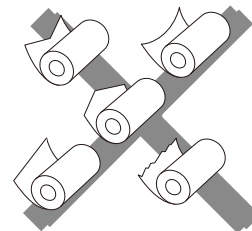
- 3 Tighten any looseness in the paper roll (page 18), and close the media tray cover until it snaps into place.

- 4 Insert the media tray into the printer.



### Notes

- When removing the paper roll, be sure to place the media tray on a stable surface before beginning.
- If you drop the media tray while it contains a paper roll, it could cause personal injury. When removing and inserting the media tray, be sure to use both hands, with one hand holding the handle and the other hand supporting the media tray from the bottom.
- When cutting the paper roll, be sure to cut so that the leading edge of the paper is straight. Loading the paper into the printer with the leading edge cut as follows may result in damage to the printer.



Miscellaneous