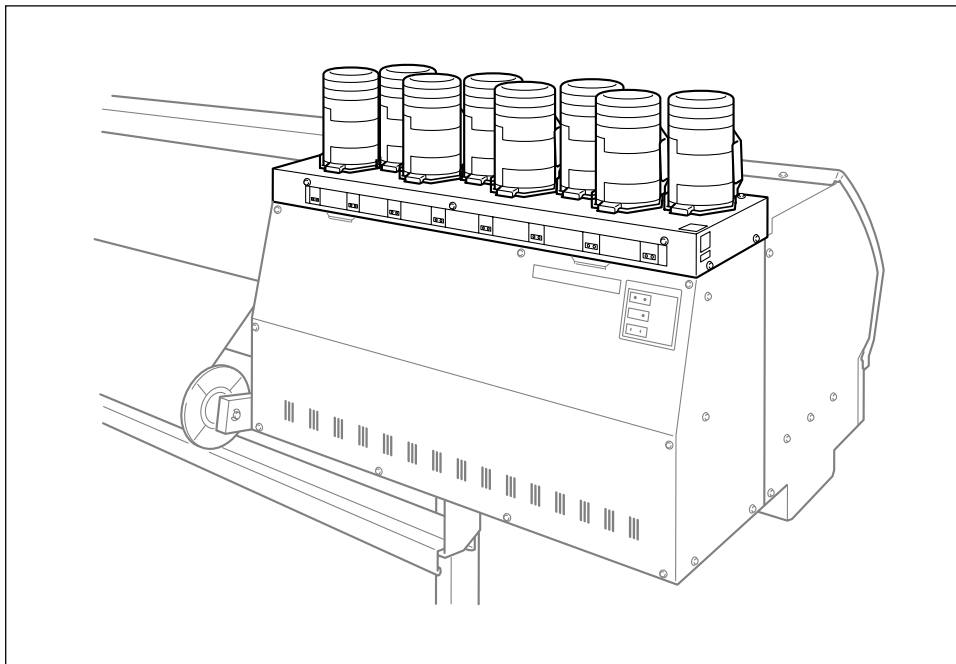


# ***BU-1***

## ***User's Manual***





Thank you very much for purchasing this product.

- To ensure correct and safe usage with a full understanding of this product's performance, please be sure to read through this manual completely and store it in a safe location.
- Unauthorized copying or transferral, in whole or in part, of this manual is prohibited.
- The contents of this operation manual and the specifications of this product are subject to change without notice.
- The operation manual and the product have been prepared and tested as much as possible. If you find any misprint or error, please inform us.
- Roland DG Corp. assumes no responsibility for any direct or indirect loss or damage which may occur through use of this product, regardless of any failure to perform on the part of this product.
- Roland DG Corp. assumes no responsibility for any direct or indirect loss or damage which may occur with respect to any article made using this product.



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


# To Ensure Safe Use

Improper handling or operation of this machine may result in injury or damage to property. Points which must be observed to prevent such injury or damage are described as follows.

## About WARNING and CAUTION Notices


 <b>WARNING</b>	Used for instructions intended to alert the user to the risk of death or severe injury should the unit be used improperly.
 <b>CAUTION</b>	Used for instructions intended to alert the user to the risk of injury or material damage should the unit be used improperly. * Material damage refers to damage or other adverse effects caused with respect to the home and all its furnishings, as well to domestic animals or pets.

## About the Symbols


	The  symbol alerts the user to important instructions or warnings. The specific meaning of the symbol is determined by the design contained within the triangle. The symbol at left means "danger of electrocution."
	The  symbol alerts the user to items that must never be carried out (are forbidden). The specific thing that must not be done is indicated by the design contained within the circle. The symbol at left means the unit must never be disassembled.
	The  symbol alerts the user to things that must be carried out. The specific thing that must be done is indicated by the design contained within the circle. The symbol at left means the power-cord plug must be unplugged from the outlet.


 **Incorrect operation may cause injury**

 **WARNING**


 **Be sure to follow the operation procedures described in this documentation. Never allow anyone unfamiliar with the usage or handling of the machine to touch it.**

Incorrect usage or handling may lead to an accident.


 **Keep children away from the machine.**  
The machine includes areas and components that pose a hazard to children and may result in injury, blindness, choking, or other serious accident.


 **For accessories (optional and consumable items, AC adapter, power cord, and the like), use only genuine articles compatible with this machine.**

Incompatible items may lead to an accident.

 **Never attempt to disassemble, repair, or modify the machine.**  
Doing so may result in fire, electrical shock, or injury. Entrust repairs to a trained service technician.


 **CAUTION**


 **Never insert your hand inside the cartridge ports.**  
Some areas are sharp. Contact may result in injury.

 **Never climb or lean on the machine.**  
The machine is not made to support a person. Climbing or leaning on the machine may dislodge components and cause a slip or fall, resulting in injury.


 **Danger of electrical short, shock, electrocution, or fire**

 **WARNING**

 **Never use out of doors or in any location where exposure to water or high humidity may occur. Never touch with wet hands.**  
Doing so may result in fire or electrical shock.

 **Never allow any foreign object to get inside. Never expose to liquid spills.**  
Inserting objects such as coins or matches or allowing beverages to be spilled into the ventilation ports may result in fire or electrical shock. If anything gets inside, immediately disconnect the printer's power cord and contact your authorized Roland DG Corp. dealer.

 **WARNING**

 **Never place any flammable object nearby. Never use a combustible aerosol spray nearby. Never use in any location where gases can accumulate.**  
Combustion or explosion may be a danger.

 **Ink, cleaning fluid, and discharged fluid are toxic**

 **CAUTION**



**Never drink or sniff ink, cleaning fluid, or discharged fluid, or allow them to come in contact with the eyes or skin.**

Doing so may be hazardous to the health.



**Never allow an ink cartridge to be subjected to impact, and never attempt to disassemble.**

Ink may leak.



**Install in a location that can be ventilated.**

Odor from ink and the like may cause physical distress.

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 **In the event of ingestion or physical distress**

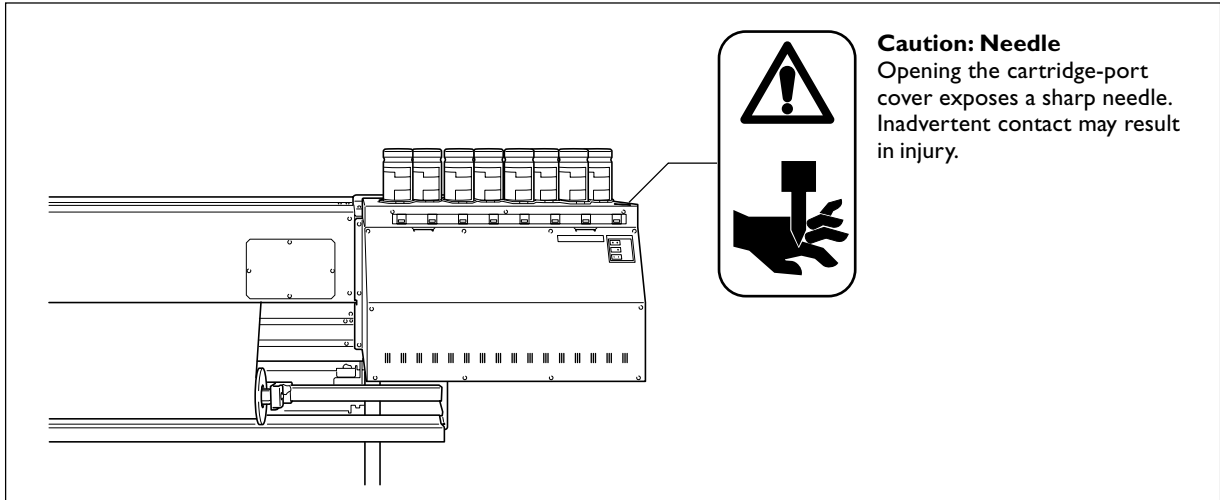
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- In the event of contact with the eyes, immediately flush with water for at least 15 minutes. If eye irritation continues, seek treatment by a physician.
- In the event of contact with skin, immediately wash with soap. If irritation or inflammation occur, seek treatment by a physician.
- In the event of ingestion, do not induce vomiting, and immediately seek treatment by a physician. Forcibly inducing vomiting may lead to danger of choking.
- If odor leads to physical distress, move to a well-ventilated location and rest quietly. If dizziness or nausea persists, seek treatment by a physician.

## ⚠ Warning Labels

Warning labels are affixed to make areas of danger immediately clear. The meanings of these labels are as follows. Be sure to heed their warnings.

Also, never remove the labels or allow them to become obscured.













# Pour utiliser en toute sécurité

La manipulation ou l'utilisation inadéquates de cet appareil peuvent causer des blessures ou des dommages matériels. Les précautions à prendre pour prévenir les blessures ou les dommages sont décrites ci-dessous.

## Avis sur les avertissements

 <b>ATTENTION</b>	Utilisé pour avertir l'utilisateur d'un risque de décès ou de blessure grave en cas de mauvaise utilisation de l'appareil.
 <b>PRUDENCE</b>	Utilisé pour avertir l'utilisateur d'un risque de blessure ou de dommage matériel en cas de mauvaise utilisation de l'appareil.  * Par dommage matériel, il est entendu dommage ou tout autre effet indésirable sur la maison, tous les meubles et même les animaux domestiques.

## À propos des symboles

	Le symbole  attire l'attention de l'utilisateur sur les instructions importantes ou les avertissements. Le sens précis du symbole est déterminé par le dessin à l'intérieur du triangle. Le symbole à gauche signifie "danger d'électrocution".
	Le symbole  avertit l'utilisateur de ce qu'il ne doit pas faire, ce qui est interdit. La chose spécifique à ne pas faire est indiquée par le dessin à l'intérieur du cercle. Le symbole à gauche signifie que l'appareil ne doit jamais être démonté.
	Le symbole  prévient l'utilisateur sur ce qu'il doit faire. La chose spécifique à faire est indiquée par le dessin à l'intérieur du cercle. Le symbole à gauche signifie que le fil électrique doit être débranché de la prise.



## L'utilisation incorrecte peut causer des blessures

### ATTENTION



**S'assurer de suivre les procédures d'utilisation décrites dans la documentation. Ne jamais permettre à quiconque ne connaît pas le fonctionnement ou la manutention de l'appareil de le toucher.**

L'utilisation ou la manutention incorrectes peuvent causer un accident.



**Garder les enfants loin de l'appareil.**

L'appareil comporte des zones et des composants qui présentent un danger pour les enfants et qui pourraient causer des blessures, la cécité, la suffocation ou d'autres accidents graves.



**Utiliser uniquement des accessoires d'origine (accessoires en option, articles consommables, adaptateur CA, câble d'alimentation et autres articles semblables), compatibles avec l'appareil.**

Les articles incompatibles risquent de causer des accidents.



**Ne jamais tenter de démonter, de réparer ou de modifier l'appareil.**

Le non-respect de cette consigne risque de provoquer un incendie, un choc électrique ou des blessures. Confier les réparations à un technicien ayant la formation requise.

### PRUDENCE



**Ne jamais insérer la main à l'intérieur des fentes destinées à recevoir les cartouches.**

Certains éléments sont acérés et pourraient causer des blessures.



**Ne jamais grimper ni s'appuyer sur la machine.**

La machine n'est pas conçue pour supporter le poids d'une personne. Grimper ou s'appuyer sur la machine peut déplacer des éléments et causer un faux pas ou une chute, ce qui causerait des blessures.

 **Risque de décharge ou de choc électrique, d'électrocution ou d'incendie**

 **ATTENTION**



**Ne jamais utiliser à l'extérieur ni à un endroit où l'appareil risque d'être exposé à de l'eau ou à une humidité élevée. Ne jamais toucher l'appareil avec des mains mouillées.**

Le non-respect de cette consigne risque de provoquer un incendie ou un choc électrique.



**Ne jamais insérer d'objet étranger dans l'appareil. Ne jamais exposer l'appareil aux déversements de liquides.**

L'insertion d'objets comme des pièces de monnaie ou des allumettes, ou le déversement de liquides dans les orifices de ventilation peuvent causer un incendie ou un choc électrique. Si un objet ou du liquide s'infiltré dans l'appareil, débrancher immédiatement le câble d'alimentation de l'imprimante et communiquer avec le représentant Roland DG Corp. autorisé.

 **ATTENTION**



**Ne jamais placer d'objet inflammable à proximité de l'appareil. Ne jamais utiliser de produit inflammable en aérosol à proximité de l'appareil. Ne jamais utiliser l'appareil dans un endroit où des gaz peuvent s'accumuler.**

Une combustion ou une explosion pourraient se produire.

 **L'encre, les liquides nettoyants et les liquides usés sont toxiques**

 **PRUDENCE**



**Ne jamais boire l'encre, le liquide de nettoyage ni les liquides usés, ne pas en respirer les vapeurs et ne pas laisser les produits entrer en contact avec les yeux ou la peau.**

Cela est dangereux pour la santé.

 **PRUDENCE**




**Ne jamais soumettre une cartouche d'encre à des chocs. Ne jamais tenter d'ouvrir une cartouche d'encre.**

De l'encre pourrait s'échapper.



**S'assurer que le lieu de travail est bien aéré.**

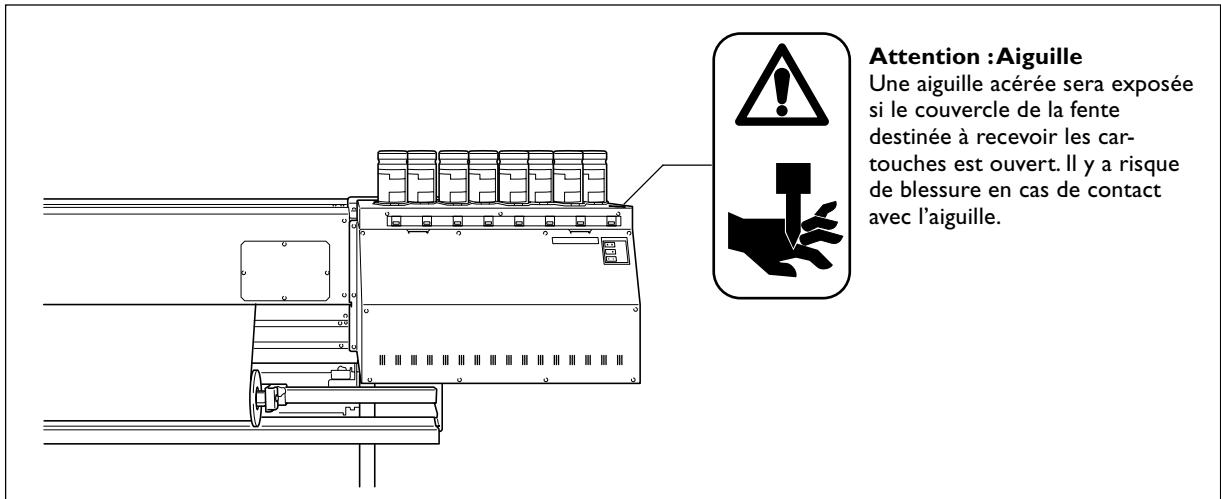
L'absence d'aération adéquate peut créer une situation dangereuse pour la santé.

 **En cas d'ingestion ou de trouble physique**

- En cas de contact avec les yeux : rincer immédiatement et abondamment à l'eau courante pendant au moins 15 minutes. Si les yeux sont toujours irrités, consulter un médecin.
- En cas de contact avec la peau : laver immédiatement à l'eau et au savon. En cas d'irritation ou d'inflammation de la peau : consulter un médecin.
- En cas d'ingestion : ne pas provoquer le vomissement et demander immédiatement l'aide d'un médecin. Provoquer le vomissement peut créer un risque de suffocation.
- Si l'odeur cause un trouble physique, amener la personne dans un endroit bien aéré et la faire se reposer. Si l'étourdissement ou la nausée persistent, consulter un médecin.

## ⚠ Vignettes d'avertissement

Des vignettes d'avertissement sont apposées pour qu'il soit facile de repérer les zones dangereuses. La signification des vignettes est donnée ci-dessous. Respecter les avertissements. Ne jamais retirer les vignettes et ne pas les laisser s'encrasser.



# Important Notes on Handling and Use

This machine is a precision device. To ensure the full performance of this machine, be sure to observe the following important points. Failure to observe these may not only result in loss of performance, but may also cause malfunction or breakdown.

## This Unit and the Printer

### *This Machine Is a Precision Device*

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- Handle carefully, and never subject the machine to impact or excessive force.
- Never needlessly put your hand or fingers inside ink-cartridge ports, or other internal areas of the machine.

### *Install in a Suitable Location*

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- Install in a location having the specified temperature and relative humidity.
- Install in a quiet, stable location offering good operating conditions. Using this unit while mounted on a printer installed in a canted location may result in ink leakage and soiling of the floor.

## Ink cartridges

### *Ink Cartridges Come in Various Types*

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- Use a type that is compatible with the machine. Also, be sure to use only genuine items from Roland DG Corp.

### *Never Subject to Impact or Attempt to Disassemble*

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- Never drop or shake forcefully.
- Never attempt to disassemble.
- Never attempt to refill the ink.
- If ink gets on your hands or clothing, wash it off as soon as possible. Removal may become difficult if allowed to stand.

### *Storage*

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- Store unopened in a well-ventilated location out of direct sunlight and at a temperature of 5 to 35°C (41 to 95°F).

# ***Operation***

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# I. Getting Started

## Overview of the Unit

### Unit Features

- Installing this unit on the FP-740 from Roland DG Corp. makes it possible to use large-capacity ink cartridges. This can reduce the frequency of ink-cartridge replacement and enable continuous printing for extended periods.
- This makes it possible to replace ink cartridges while printing continues, enabling ultra-large-size output to be accomplished without worry.

### Compatible Model

FP-740

### Installing the Unit

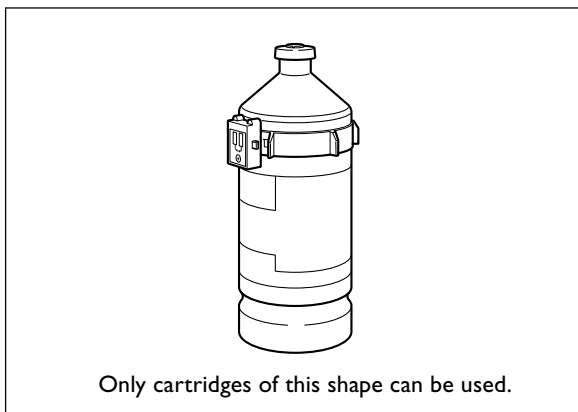
- Installation of the unit and initial ink-filling after installation are performed by a service technician.

## Important Notes on Use

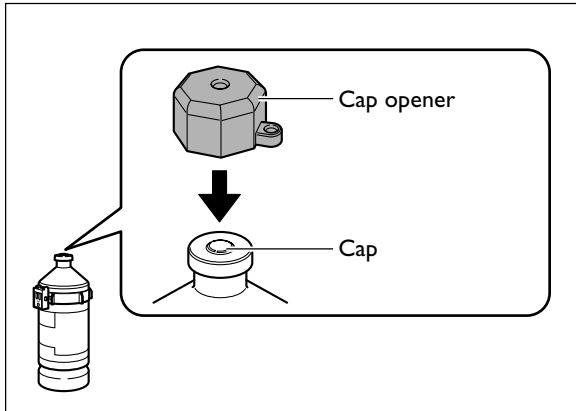
When you're using the FP-740 with this unit installed, give attention to the following points.

- The ink cartridges that can be used are different. Refer to the following section, "Ink Cartridges."
- The action to take when the unit is to remain unused for a prolonged period is different. Replace "3-5 When Not in Use for a Prolonged Period" in the FP-740 User's Manual with "3. When Not in Use for a Prolonged Period" on page 20 of this manual. The main points to note are as follows.
  - The permitted range of ambient temperature when the printer is not in use is changed from "5 to 40°C (41 to 104 °F)" to "5 to 35°C (41 to 95 °F)."
  - Switch on the printer's sub power at least once a month.
  - Even when the printer is to remain unused for a month or longer, never drain the ink inside the printer or perform internal washing.
- The name of the inks shown on the display screen for the operation panel changes from "SUBLIMATION 4C" to "SUBLIMATION2 4C."

## Ink Cartridges



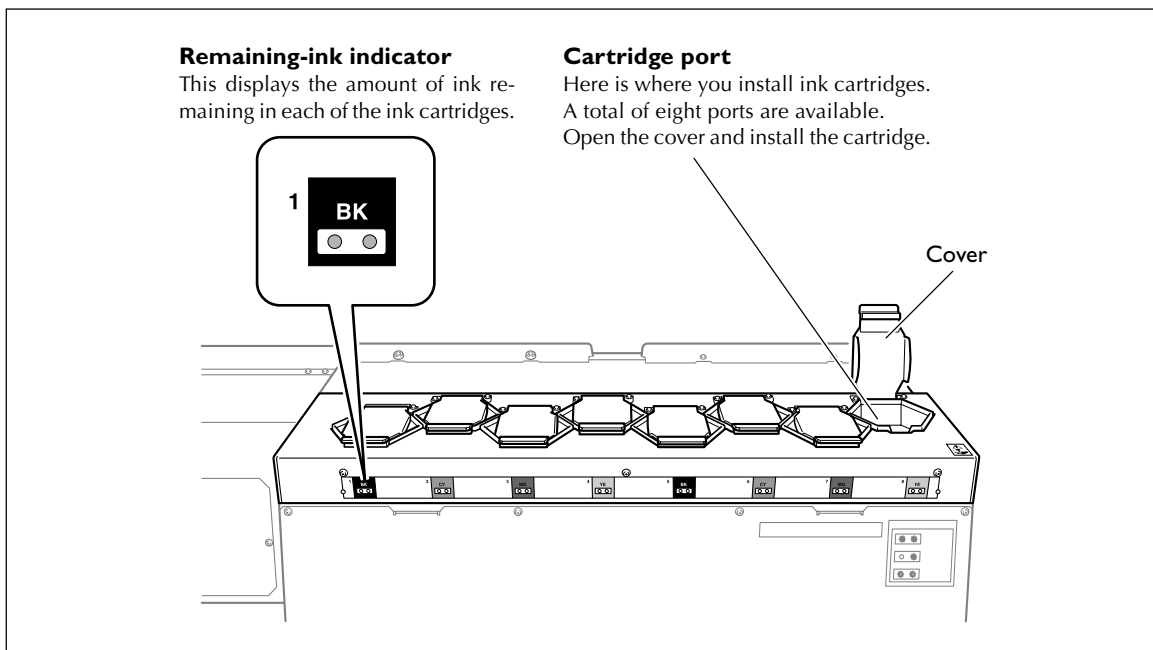
- Only ink cartridges of the shape shown in the figure can be used with this unit. Note that cartridges other than these cannot be used.



- The ink cartridges have caps. Before installing a cartridge in this unit, be sure to open the cap. Also, when opening a cap, be sure to use the included cap opener. For more information, refer to "Preparing the Ink Cartridges" on page 17 of this manual.

- Perform replacement of ink cartridges according to the instructions in this manual.
- Store ink cartridges unopened in a well-ventilated location out of direct sunlight and at a temperature of 5 to 35°C (41 to 95 °F).

## Part Names and Functions






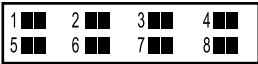

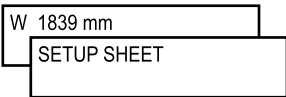


# 2. Replacing Ink Cartridges

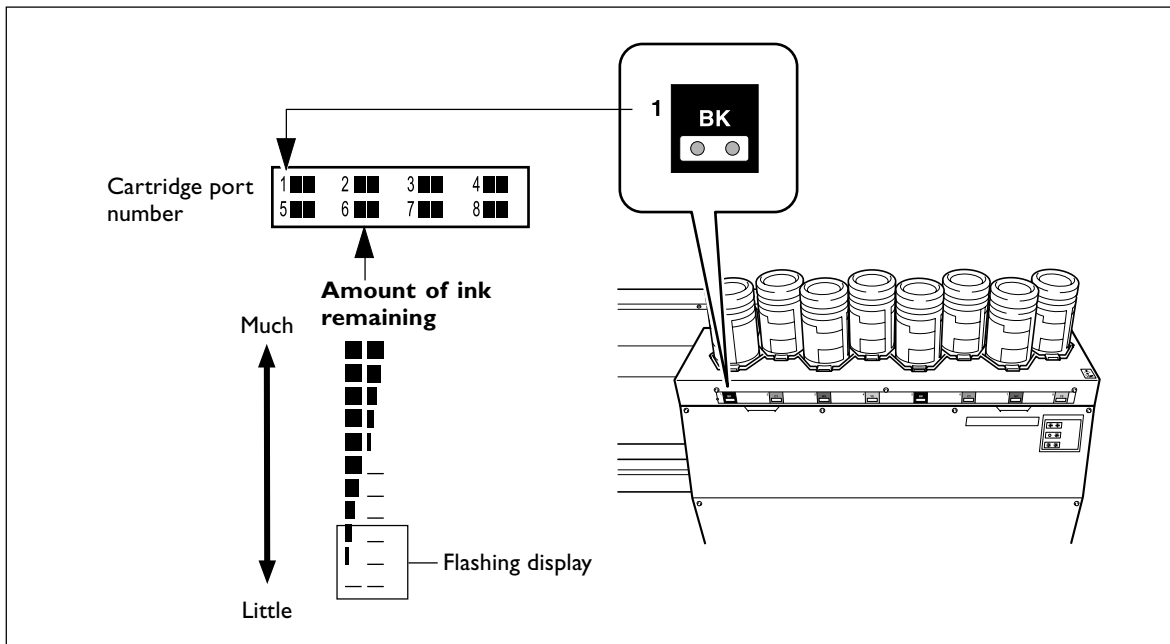
## Checking for Remaining Ink

You can check how much ink is left via either the display screen on the printer or the remaining-ink indicators next to the cartridge ports.

### Checking Via the Screen Display

#### Procedure

-  Press  .  
Press  several times.
-  Press  .
-  Press  .  
Press  to go back to the original screen.

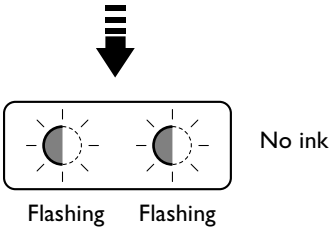
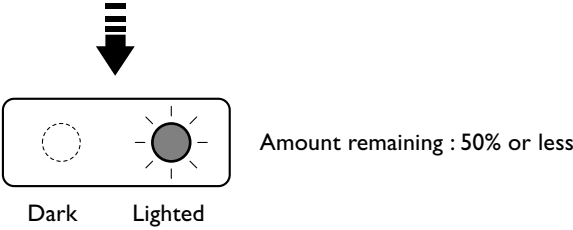
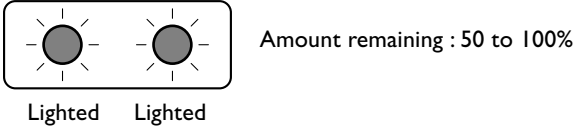
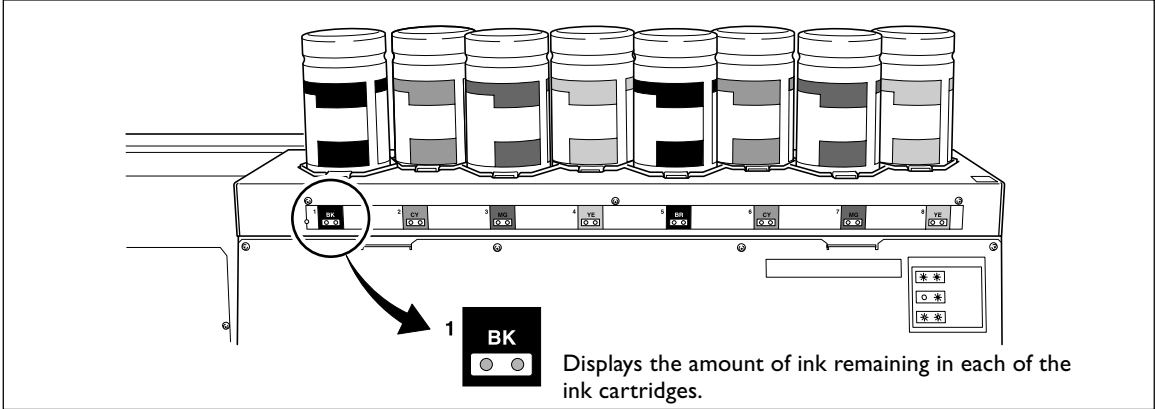


The display shows an approximate guide to the amount of remaining ink, which may differ somewhat from the actual amount remaining.



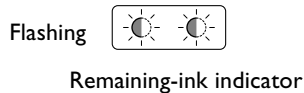
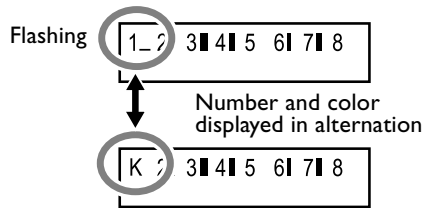
**Checking Via the Remaining-ink Indicator**

This lets you check the approximate amount of ink remaining in each of the ink cartridges.



The display shows an approximate guide to the amount of remaining ink, which may differ somewhat from the actual amount remaining.

### When Ink Cartridges Become Empty



When an ink cartridge is empty, a warning beep sounds and a screen like the one shown in the figure appears. The light for the remaining-ink indicator also flashes.

Replace the cartridge immediately. Replacement is possible even while printing is in progress.

When an ink cartridge becomes empty while printing is in progress, printing does not stop immediately. A certain amount of ink still remains inside the machine, and printing continues until this ink runs out.

#### Replace Cartridges Before Ink Runs Out

If ink runs out inside the machine completely, a warning beep sounds and printing pauses.

When you replace a cartridge with a new one, printing resumes after from five to ten minutes, but a difference in color may be apparent at the seam between the locations where printing paused and resumed. Be sure to replace cartridges before ink runs out.

#### Important Notes on Replacing Cartridges

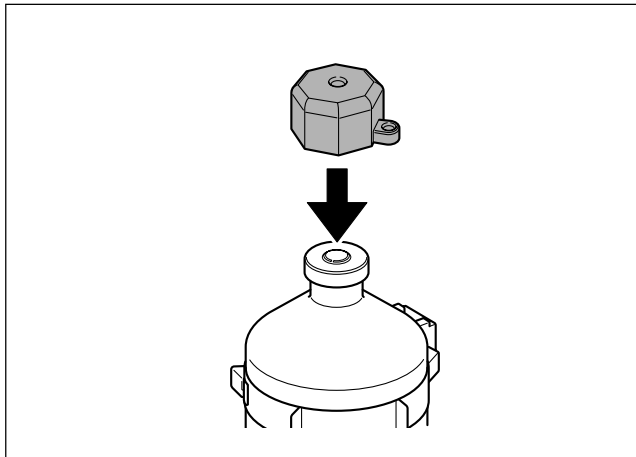
- Be sure to replace with items of identical type and color. Never mix items of different types or colors.
- Insert cartridges into all ports. An empty port may allow ink to dry and cause clogging.
- Never insert or remove a partially used ink cartridge. Ink may leak.

### Preparing the Ink Cartridges

Before installing ink cartridges in this unit, open the caps using the included cap opener. Installing a cartridge without first opening its cap may result in damage to the unit or the cartridge.

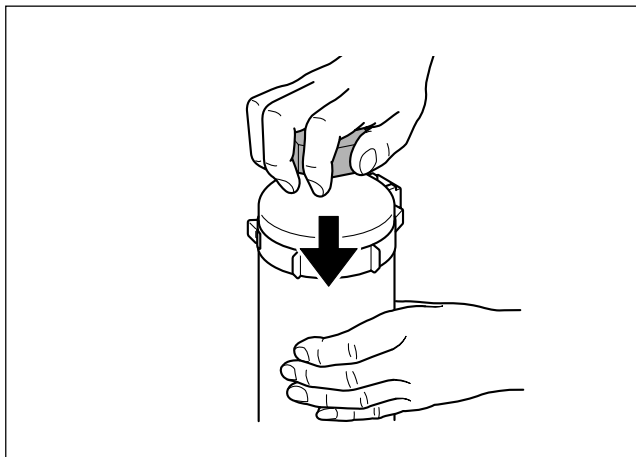
**⚠ CAUTION** Be sure to open the cap on the ink cartridge using the cap opener included with the unit. Attempting to open it using a knife or other blade tool may result in injury.

1



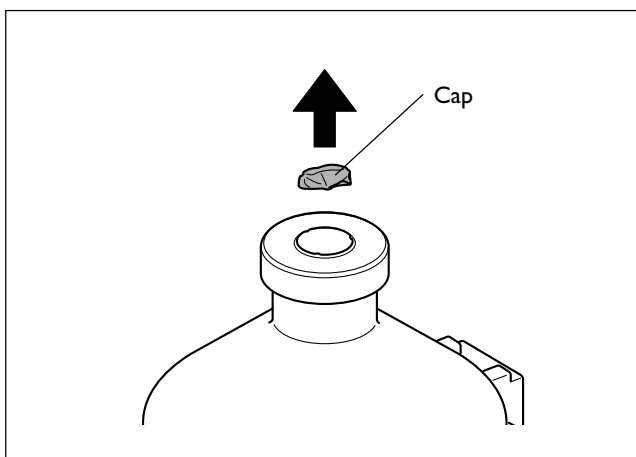
Place the cap opener over the cap on the ink cartridge.

2



While supporting the bottle, press down on the cap opener until you hear the sound of a number of openings being made.

3



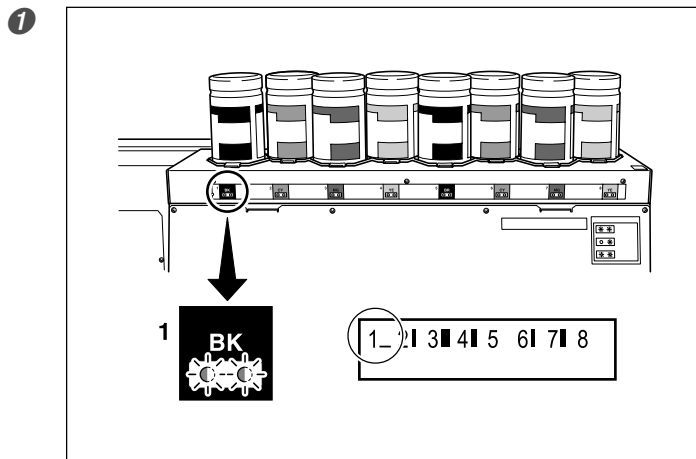
Remove the cap opener and the cap.

## 2. Replacing Ink Cartridges

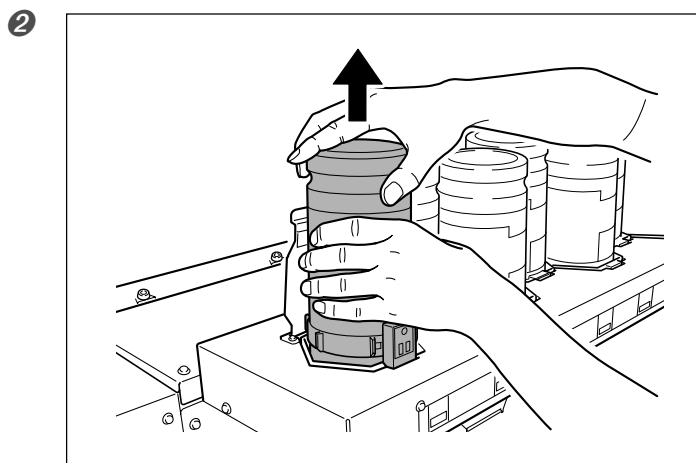
### How to Replace Ink Cartridges

**⚠ CAUTION** Be sure to grasp the ink cartridge with two hands and insert or remove it slowly. Using undue speed or force may damage the cartridge and possibly result in injury.

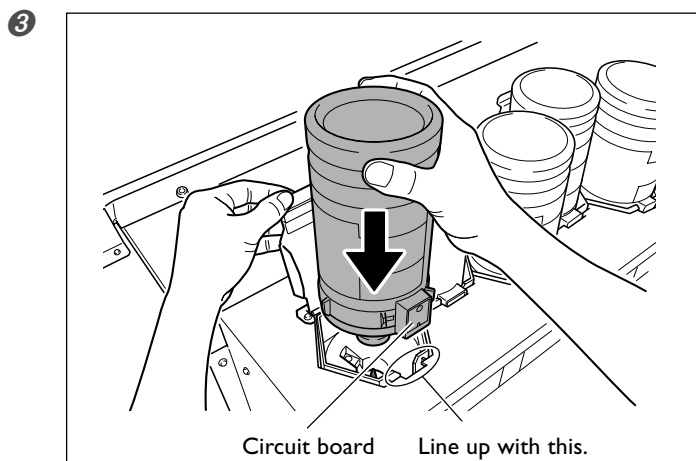
**⚠ CAUTION** Never insert your hand inside the cartridge ports. Some areas are sharp. Contact may result in injury.



Check which cartridge is empty.

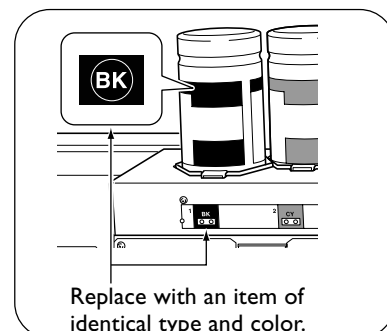


Grasp the empty cartridge with two hands and slowly pull it out.

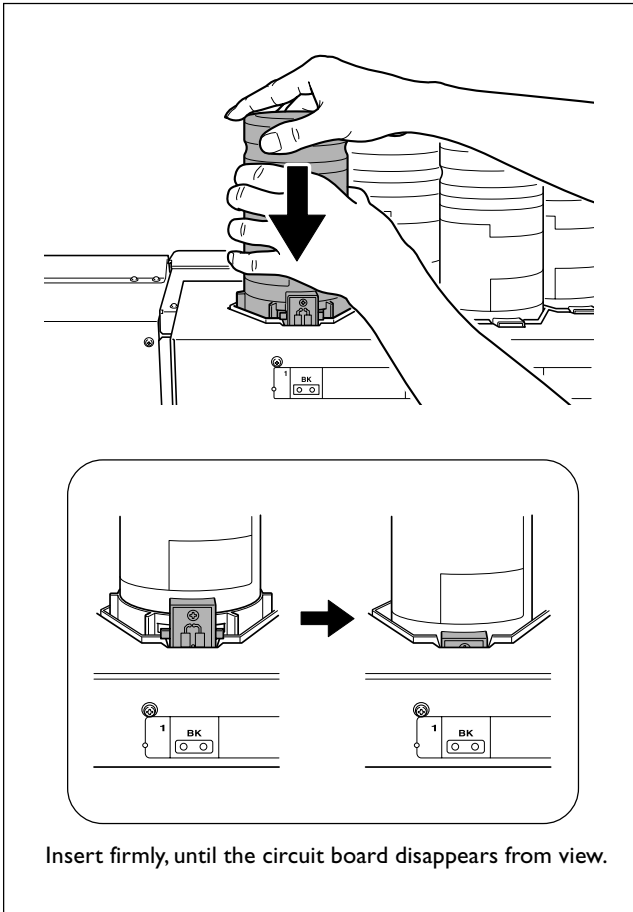


Open the cover of the cartridge port and place a new ink cartridge in the cartridge port.

Line up the circuit board with the location shown in the figure.



4



Grasp the cartridge with two hands and slowly insert it.

Insert firmly, until the circuit board disappears from view.

# 3. When Not in Use for a Prolonged Period

## Keep Performing Maintenance

### Switch On the Power Once a Month

Switch on the sub power of the printer once a month. When you turn on the power, the printer automatically performs some operations such as those to keep the print heads from drying out. Allowing the printer to stand completely unused for a prolonged period may damage the print heads, so be sure to switch on the power to perform these automatic operations.

### Keep at a Constant Temperature and Relative Humidity

Even when the printer is not in use, keep it at a temperature of 5 to 35°C (41 to 95°F) and a relative humidity of 20 to 80% (with no condensation). Temperatures that are too high may degrade the ink and cause malfunction. Temperatures that are too low may cause the ink to freeze and damage the heads.

## If the Printer Will Be Out of Use for a Month or Longer

Even when the printer is unused for a month or longer, switch on the sub power at least once a month. Never attempt to drain ink or perform internal washing.

The printer has features for draining internal ink and for performing washing the interior using cleaning cartridges, but they should never be used except in special cases. Allowing the printer to stand without ink for a prolonged period may damage the heads, even if internal washing is performed. Once ink has been filled, then as a rule the ink should never be drained.

# 4. Appendix

## Specifications

		BU-I
Cartridge ports		8
Ink	Type	Exclusive sublimation ink cartridge
	Color	4 colors (cyan, magenta, yellow, and black)
Total weight of contents		9.2 kg (20 lb.)
Environment	Power on	Temperature: 20 to 32°C (68 to 90°F), humidity: 35 to 80% (no condensation)
	Power off	Temperature: 5 to 35°C (41 to 95°F), humidity: 20 to 80% (no condensation)
Included items		Cap Opener and User's Manual

