

LEF-300

First Step Guide

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Roland DG Corporation

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 manual and the specifications of this product are subject to change without notice.
- The manual and the product have been prepared and tested as much as possible. If you find any misprints or errors, please inform Roland DG Corp.
- Roland DG Corp. assumes no responsibility for any direct or indirect loss or damage that 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 that may occur with respect to any article made using this product.

This system (including the housing and safety device) is a Class 1 laser product.

Complies with IEC 60825-1 Edition 2.0 (2007-03).

Complies with FDA performance standards for laser products except for deviations pursuant to Laser notice No.50 dated June 24, 2007.

[CAUTION]

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

This product uses GNU General Public License (GPL)/GNU Lesser General Public License (LGPL) software. You have the right to acquire, modify, and distribute the source code for this GPL/LGPL software. You can obtain the GPL/LGPL source code used in this product by downloading it from the Roland DG Corp. website. See the following URL for details on the basic method for acquiring the source code.

URL: http://www.rolanddg.com/gpl/

Roland DG Corp. has licensed the MMP technology from the TPL Group.

For the USA

FEDERAL COMMUNICATIONS COMMIS-SION RADIO FREQUENCY INTERFER-ENCE STATEMENT

NOTE:

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules.

These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment.

This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications.

Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

Unauthorized changes or modification to this system can void the users authority to operate this equipment.

Use only I/O cables that have been designed and manufactured specifically for this device.

For Canada

CAN ICES-3 (A)/NMB-3(A)

- For EU Countries -

WARNING

This is a Class A product. In a domestic environment this product may cause radio interference in which case the user may be required to take adequate measures.

NOTICE

Grounding Instructions

In the event of a malfunction or breakdown, grounding provides a path of least resistance for electric current to reduce the risk of electric shock. This tool is equipped with an electric cord having an equipmentgrounding conductor and a grounding plug. The plug must be plugged into a matching outlet that is properly installed and grounded in accordance with all local codes and ordinances.

Do not modify the plug provided - if it will not fit the outlet, have the proper outlet installed by a qualified electrician.

Improper connection of the equipment-grounding conductor can result in a risk of electric shock. The conductor with insulation having an outer surface that is green with or without yellow stripes is the equipmentgrounding conductor. If repair or replacement of the electric cord or plug is necessary, do not connect the equipment-grounding conductor to a live terminal.

Check with a qualified electrician or service personnel if the grounding instructions are not completely understood, or if in doubt as to whether the tool is properly grounded.

Use only 3-wire extension cords that have 3-prong grounding plugs and 3-pole receptacles that accept the tool's plug.

Repair or replace damaged or worn cord immediately.

For California -

WARNING: This product can expose you to chemicals including lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

For EU Countries -

 $\mathbf{C}\mathbf{E}$

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The importer in the EU: Roland DG Europe Holdings B.V. Prof. J.H. Bavincklaan 2, 1183 AT, Amstelveen, The Netherlands

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Documentation for This Machine

The following documentation is included with the machine.

LEF-300 First Step Guide (this manual)

This document explains from how to set up the machine to printing for the first time. Be sure to read this first.

LEF-300 Master Guide

This document describes more detailed printing methods, as well as maintenance methods, troubleshooting, and more.

Roland VersaWorks Dual Installation Guide

This describes how to install and set up the included RIP & PRINT MANAGEMENT SOFTWARE Roland VersaWorks Dual as well as the basic usage of the software and other such matters.

Special Color Ink Guide

Read this after reading the Roland VersaWorks Dual Installation Guide. It describes the special methods of creating printing data and performing printing when using white ink or other special inks.

About Roland OnSupport

Installing Roland OnSupport on your computer enables you to receive your printer's ink status and error information by email sent to your PC or mobile phone. You can also receive product updates and other support information from OnSupport.

To install OnSupport, download it from the following URL.

http://download.rolanddg.jp/en/bn_onsupport.html

Features of This Machine

This machine is provided with the following features.

Also supports printing on thick materials

This printer can print on a variety of materials from thin paper to thick materials. Using UV ink, this printer can print high-quality images on various types of media (the general name for the material to be printed on).

Fast printing thanks to the bidirectional printing function

By adding a bidirectional printing function, we have further reduced the printing time.

Head gap sensor

In order to print high-quality images safely, the table's height is automatically adjusted according to the height of the media loaded on the table.

Specification of the print-start location and the printing area using an LED pointer

Using the LED pointer installed as a standard feature, you can easily and accurately specify the print-start location and the printing area. You can also verify the printing area before you carry out printing, which can help prevent failures when performing actual printing (preview feature).

Features of ECO-UV Inks

This printer uses ECO-UV inks. ECO-UV inks are fixed to the media instantly by ultraviolet light. This makes it possible to perform printing on media that is difficult to print on using conventional inks. ECO-UV inks are available in a lineup of six colors (cyan, magenta, yellow, back, white, and gloss [two colors]).

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 of AWARNING and ACAUTION Notices

WARNING	Used for instructions intended to alert the user to the risk of death or severe injury should the unit be used improperly.
	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 as to domestic animals or pets.

About the Symbols

The \triangle symbol alerts the user to important instructions or warnings. The specific meaning of the symbol is determined by the design contained within the \triangle symbol. The symbol at left means "danger of electrical shock."
The \bigcirc symbol alerts the user to items that must never be carried out (are forbidden). The specific meaning of the symbol is determined by the design contained within the \bigcirc symbol. 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 meaning of the symbol is determined by the design contained within the symbol. The symbol at left means the power-cord plug must be unplugged from the outlet.

🕂 This is a heavy machine.

WARNING



Install the machine in a location that is level, stable, and able to bear the weight of the machine.

The total weight of the machine may reach 157 kg (346.1 lb.) or more. Installation in an unsuitable location may cause a major accident, including tip over, fall, or collapse.



Unloading and emplacement are operations that must be performed by 6 persons or more.

Tasks that require undue effort when performed by a small number of persons may result in physical injury. Also, if dropped, such items may cause injury.

🕂 Incorrect operation may cause injury

Be sure to follow the operation procedures described in the manual. 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 some other serious accident.



Never operate the machine while tired or after ingesting alcohol or any medication.

Operation requires unimpaired judgment. Impaired judgment may result in an accident.



Always unplug the power cord when attaching or removing parts and optional parts and when performing cleaning or maintenance that does not require the machine to be connected to a power source.

Attempting such operations while the machine is connected to a power source may result in injury or electrical shock.



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.



Conduct operations in a clean, brightly lit location.

Working in a location that is dark or cluttered may lead to an accident, such as becoming caught in the machine as the result of an inadvertent stumble.



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.



Never attempt operation while wearing a necktie, necklace, loose clothing, or gloves. Bind long hair securely.

Such items may become caught in the machine, resulting in injury.



Exercise caution to avoid being pinched or becoming caught.

Inadvertent contact with certain areas may cause the hand or fingers to be pinched or become caught. Use care when performing operations.



Before switching on the power, check and ensure the safety of the surrounding area.

Make sure that movement of the machine poses no danger, including making sure no person is inside the machine's area of operation.

A Danger of electrical short, electrical shock, or fire



If sparking, smoke, burning odor, unusual sound, or abnormal operation occurs, immediately unplug the power cord. Never use if any component is damaged.

Continuing to use the machine may result in fire, electrical shock, or injury.Contact your authorized Roland DG Corp. dealer.



Connect to ground.

This can prevent fire or electrical shock due to current leakage in the event of malfunction.

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 could occur.



Never use outside or in any location where exposure to water or high humidity may occur. Do not touch the power cord, plug, or electrical outlet with wet hands.

Doing so may result in fire or electrical shock.



/!\WARNING

Connect to an electrical outlet that complies with this machine's ratings (for voltage, frequency and current).

Incorrect voltage or insufficient current may cause fire or electrical shock.





Never allow any foreign object to get inside. Never expose the machine 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 power cord and contact your authorized Roland DG Corporation dealer.



Handle the power cord, plug, and electrical outlet correctly and with care. Never use any article that is damaged.

Using a damaged article may result in fire or electrical shock.

/<code>\WARNING</code>



When using an extension cord or power strip, use one that adequately satisfies the machine's ratings (for voltage, frequency, and current).

Use of multiple electrical loads on a single electrical outlet or of a lengthy extension cord may cause fire.



Do not use the supplied power cord for other products.



For accessories (optional and consumable items, power cord, and the like), use only genuine articles compatible with this machine. Incompatible items may lead to an accident.

Never use the machine for any purpose for which it is not intended, or use the machine in an undue manner that exceeds its capacity.

Doing so may result in injury or fire.



Position so that the power plug is within immediate reach at all times.

This is to enable quick disconnection of the power plug in the event of an emergency. Install the machine next to an electrical outlet. Also, provide enough empty space to allow immediate access to the electrical outlet.

Important notes about the power cord, plug, and electrical outlet.



Never place any object on top or subject to damage.



Never bundle, bind, or roll up.



Never bend or twist with undue force.



Dust may cause fire.



Never pull with undue force.



Never make hot.



Never allow to get wet.

WARNING		WARNING
Seep open flame away from the work area. nk and discharged fluid are flammable.	\bigcirc	Never drink or sniff ink, cleaning liquid, or discharged fluid, or allow them to come in contact with the eyes or skin.
lever store ink, cleaning liquid, or		Doing so may be hazardous to your health.
lischarged fluid in any of the following ocations.		
Any location exposed to open flame		Ensure adequate ventilation for the work area.
Any location where high temperature may occur	U	Failing to perform ventilation may result in a health hazard or danger of combustion due
Near bleach or any other such oxidizing agent		to ink fumes.
or explosive material	\sim	Never allow an ink cartridge to be
Any location within the reach of children	(\mathbf{v})	subjected to impact, and never attempt to
hildren may pose a health hazard.	$\mathbf{\vee}$	disassemble.
	WARNING were spongen flame away from the work area. Ak and discharged fluid are flammable. ever store ink, cleaning liquid, or ischarged fluid in any of the following ocations. Any location exposed to open flame Any location where high temperature may occur Near bleach or any other such oxidizing agent or explosive material Any location within the reach of children re may be a danger. Accidental ingestion by hildren may pose a health hazard.	WARNING eep open flame away from the work area. ak and discharged fluid are flammable. ever store ink, cleaning liquid, or ischarged fluid in any of the following ocations. Any location exposed to open flame Any location where high temperature may occur Near bleach or any other such oxidizing agent or explosive material Any location within the reach of children re may be a danger. Accidental ingestion by nildren may pose a health hazard.

⚠ In the event of ingestion or physical distress

- 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 occurs, 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.

> Refer to the appropriate safety data sheet (SDS) for the chemical substances used in the ink and the safety related to those substances.

🕂 This machine uses ultraviolet light

Never look at the blue-white (ultraviolet) light emitted from the print-head area for an extended time.

Looking directly at the ultraviolet light from up close for an extended period may result in eye injury.

A Caution: Ultraviolet Light

This machine is fitted with covers to keep external leakage of ultraviolet light at low levels, but incorrect handling or operation can lead to physical injury due to ultraviolet light. The extent of injury depends on the intensity and wavelength of the ultraviolet light, and the length of time of exposure. Prolonged exposure to strong ultraviolet light of hazardous wavelengths can cause injury to the eyes or skin. Exercise caution.



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 ACONSIGNES de SÉCURITÉ

	Utilisé pour avertir l'utilisateur d'un risque de décès ou de blessure grave en cas de mauvaise utilisation de l'appareil.
PRUDENCE	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 \triangle attire l'attention de l'utilisateur sur les instructions importantes ou les avertissements. Le sens précis du \triangle symbole est déterminé par le dessin à l'intérieur du triangle. Le symbole à gauche signifie "danger d'électrocution."
Le symbole \bigotimes avertit l'utilisateur de ce qu'il ne doit pas faire, ce qui est interdit. Le sens précis du \bigotimes symbole est déterminé par le dessin à l'intérieur du triangle. Le symbole à gauche signifie que l'appareil ne doit jamais être démonté.
Le symbole prévient l'utilisateur sur ce qu'il doit faire. Le sens précis du symbole est déterminé par le dessin à l'intérieur du triangle. Le symbole à gauche signifie que le fil électrique doit être débranché de la prise.

🕂 Cet appareil est lourd.



Installer l'appareil à un endroit de niveau, stable et pouvant prendre en charge le poids l'appareil.

Le poids total de la machine peut atteindre 157 kg (346.1 lb) ou plus.

Installer l'appareil à un endroit inapproprié peut provoquer un accident grave comme le renversement, la chute ou l'effondrement.



Le déchargement et la mise en place doivent être faits par au moins six personnes.

Les tâches qui exigent un effort trop grand si elles sont exécutées par un petit nombre de personnes peuvent être cause de blessures.

La chute d'articles très lourds peut aussi causer des blessures.

🕂 L'utilisation incorrecte peut causer des blessures

S'assurer de suivre les procédures d'utilisation décrites dans le manuel utilisateur.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.



Ne jamais faire fonctionner l'appareil après avoir consommé de l'alcool ou des médicaments, ou dans un état de fatigue. L'utilisation de l'appareil exige un jugement sansfaille. L'utilisation avec les facultés affaiblies pourrait entraîner un accident.



Utiliser l'appareil dans un endroit propre et bien éclairé. Travailler dans un endroit sombre ou encombré peut causer un accident; l'utilisateur risque, par exemple, de trébucher malencontreusement et d'être coincé par une partie de l'appareil.



Faire preuve de prudence pour éviter l'écrasement ou le coincement.

La main ou les doigts peuvent être écrasés ou coincés s'ils entrent en contact avec certaines surfaces par inadvertance. Faire preuve de prudence pendant l'utilisation de l'appareil.

Toujours débrancher le câble d'alimentation lors de la fixation ou du retrait de pièces et de pièces en option et du nettoyage ou des travaux d'entretien qui n'exigent pas un branchement de l'appareil à une source d'alimentation. Tenter ces opérations pendant que l'appareil est branché à une source d'alimentation peut causer des blessures ou un choc électrique.



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.



Ne jamais faire fonctionner l'appareil si on porte une cravate, un collier ou des vêtements amples. Bien attacher les cheveux longs.Ces vêtements ou ces objets peuvent être coincés dans l'appareil, ce qui causerait des blessures.



Ne jamais tenter de démonter, de réparer ou de odifier 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.



Avant de mettre l'appareil sous tension, vérifier et s'assurer que les environs sont sécuritaires. S'assurer que les mouvement de l'appareil ne présentent aucun danger; s'assurer en particulier que personne ne se trouve dans la zone de fonctionnement de l'appareil.

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



S'il se produit des étincelles, de la fumée, une odeur de brûlé, un bruit inhabituel ou un fonctionnement anormal, débrancher immédiatement le câble d'alimentation. Ne jamais utiliser si un composant est endommagé. Continuer à utiliser l'appareil peut causer un incendie, un choc électrique ou des blacsures Communique au

un choc électrique ou des blessures.Communiquer avec le représentant Roland DG Corp. Autorisé.



Mise à la terre.

La mise à la terre peut prévenir un incendie ou un choc électrique dus à une fuite de courant en cas de défaillance.

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.



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 pas toucher le câble d'alimentation, la fiche ou la prise électrique avec des mains mouillées. Le non-respect de cette consigne risque de provoquer un incendie ou un choc électrique.

Risque de décharge ou de choc él	ectrique, d'électrocution ou d'incendie
Brancher à une prise électrique conforme aux caractéristiques de cet appareil (tension, fréquence et courant). Une tension incorrecte ou un courant insuffisant peuvent causer un incendie ou un choc électrique.	Si une rallonge ou une bande d'alimentation électrique sont utilisées,s'assurer qu'elles correspondent aux caractéristiques de l'appareil (tension,fréquence et courant). L'utilisation de plusieurs charges électriques sur une prise unique ou une longue rallonge peut causer un incendie.
	Ne pas utiliser le cordon électrique fourni avec d'autres produits.
Puissance nominale	Utiliser uniquement des accessoires d'origine (accessoires en option, articles consommables, câble d'alimentation et autres articles semblables), compatibles avec l'appareil.
Ne jamais insérer d'objet étranger dans l'appareil. Ne	Les articles incompatibles risquent de causer des accidents.
L'insertion d'objets comme des pièces de monnaie ou des allumettes, ou le déversement de liquides dans les	Ne jamais utiliser l'appareil à des fins autres que celles pour lesquelles il est conçu. Ne jamais l'utiliser de manière abusive ou d'une manière qui dépasse sa capacité.
orifices de ventilation peuvent causer un incendie ou un choc électrique. Si un objet ou du liquide s'infiltre dans l'appareil, débrancher immédiatement le câble	Le non-respect de cette consigne peut causer des blessures ou un incendie.
d'alimentation et communiquer avec le représentant Roland DG autorisé.	Placer l'appareil de façon à ce que la fiche soit
Manipuler le câble d'alimentation, la fiche et la prise électrique correctement et avec soin. Ne jamais utiliser un article endommagé, car cela pourrait causer un incendie ou un choc électrique.	Ainsi, l'appareil pourra être débranché rapidement en cas d'urgence. Installer l'appareil près d'une prise électrique. En outre, prévoir suffisamment d'espace pour que la prise électrique soit facile d'accès.
Remarques importantes à propos du câble d'	alimentation, de la fiche et de la prise électrique
Ne jamais déposer aucun objet Ne jamais plier ni enrouler. dessus au risque de les endommager.	Ne jamais tirer avec une force Ne jamais laisser mouiller. excessive.



_

Ne jamais plier ni tordre avec une force excessive.

La poussière peut causer un incendie.



Ne jamais chauffer.

L'encre, les liquides nettoyants et les liquides usées sont inflammables et toxiques.



Ne pas approcher une flamme nue de l'espace de travail.

L'encre et les liquides usés sont inflammables.



Ne jamais ranger l'encre, le liquide de nettoyage ou le rejet liquide dans un des endroits qui suivent.

- Tout endroit exposé à une flamme nue
- Tout endroit avec une possibilité de température élevée
- Près d'agent de blanchissement ou tout autre agent oxydant ou matériel explosif
- Tout endroit à la portée des enfants

Le non-respect de cette consigne pourrait entraîner un incendie. Un ingestion accidentelle par des enfants risque de présenter un danger pour la santé.



Ne jamais incinérer une cartouche d'encre. De l'encre pourrait couler, s'enflammer et le feu

se répandre à des objets proches.

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.



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

L'absence d'aération adéquate peut créer une situation dangereuse pour la santé ou un risque de combustion à cause des vapeurs qui émanent de l'encre.

К	\mathbb{Z}
	У

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.

🕂 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.
- Se reporter à la fiche signalétique (FS) pour connaître les renseignements concernant les produits chimiques utilisés dans l'encre et les mesures de sécurité.

🕂 Cet appareil utilise des rayons ultraviolets.

PRUDENCE

Ne jamais regarder pendant de longues périodes le rayonnement blanc bleuté (ultraviolet) émis par la tête d'impression.

Le fait de regarder directement et de près le rayonnement ultraviolet pendant une période prolongée peut causer des lésions oculaires.

🗥 Attention : Rayonnement ultraviolet

Cet appareil est muni de couvercles destinés à empêcher les fuites de rayonnement ultraviolet à faible niveau, mais sa manipulation ou son utilisation incorrectes peuvent causer des lésions dues au rayonnement ultraviolet. La gravité des lésions est fonction de l'intensité et de la longueur d'onde du rayonnement ultraviolet et de la durée de l'exposition. L'exposition prolongée à un fort rayonnement ultraviolet de longueur d'onde dangereuse peut causer des lésions oculaires ou cutanées. La prudence est de rigueur.



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 them may not only result in loss of performance, but may also cause malfunction or breakdown.

Printer Unit

This machine is a precision device.

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

Install the machine in a suitable location.

- Install the machine in a location having an appropriate temperature and relative humidity.
- "Temperature and Humidity" (P. 23)
- Install the machine in a quiet, stable location that can support the weight of the machine.

Installing the machine in an unsuitable location not only presents the risk of the machine being dropped or falling over but will also prevent the machine from providing adequate printing quality.

Open and close the front cover gently.

• Be sure to hold the handle of the front cover and keep holding it until the cover is completely opened or closed. If you do not open and close the front cover gently, it may break or you may be injured.



The print heads and the UV emitter are delicate devices.

- Never needlessly touch or allow media to scrape the print heads. Failure to handle the print heads with care may cause damage.
- The print heads may be damaged if allowed to dry out. The machine prevents desiccation automatically, but improper operation may render this feature inoperative. Operate the machine properly, as specified in this manual.
- Never leave the machine with an ink cartridge removed. The remaining ink in the printer may harden and clog the print heads.
- The print heads are components that wear out. Periodic replacement is required, with the frequency of replacement depending on use.

Ink Cartridges

Ink cartridges come in various types.

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

Never subject ink cartridges to impacts or attempt to disassemble them.

- Never drop the ink cartridges or shake them forcefully. The impact may rupture the internal pouches and cause the ink to leak.
- Never attempt to disassemble the ink cartridges.
- 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 you leave such adhered ink untreated.

Storage

- Use up the ink before the expiration date printed on the ink cartridge.
- Store the ink cartridge in a location that is not subject to direct sunlight or strong illumination.
- Store the ink cartridges unopened in a well-ventilated location at a temperature of $5^{\circ}C$ (41°F) or higher and less than $35^{\circ}C$ (95°F) and a relative humidity of 20 to 80%RH.
- Once opened, store the ink cartridge in the sealed original (shading) bag. Failure to do so may lead to the ink hardening and becoming unusable. (This is limited to the case in which the ink cartridge is purchased in a shading bag.)



Printer Unit



Rear



Side

Cartridge slots

The location where ink cartridges are installed.



Left side

Signal tower location

Attach an alarm lamp (sold separately) to the machine here.

When a machine is installed, the connecting parts are contained within the cover.



Signal tower connector

Use this to connect an alarm lamp to the machine.

When a machine is installed, the connecting parts are contained within the cover.

Operation Panel



Names and Functions of Operation Panel Keys

In this document, the keys on the operation panel are indicated as shown below.

Кеу	Name	Function explanation
[MENU]	MENU key	Displays the main menu screen.
[SETUP]	SETUP key	Displays the setup screen.
[ENTER]	ENTER key	Sets the selected setting and executes processing.
		These are used for menu settings.
[▲][♥]	Cursor keys	They are also used for position adjustment when setting up the media.
[◀][►]		• [▲] and [▼] are used to move the flat table to the front and rear.
		• [◀] and [►] are used to move the print-head carriage.
[UP]	TABLE UP key	The flat table goes up.
[DOWN]	TABLE DOWN key	The flat table goes down.
[FUNCTION]	FUNCTION key	Displays the function menu screen.
[PAUSE/VACUUM]		Pauses printing.
	FAUSE/VACUUM REY	This key is also used to turn the suction function on or off.

MEMO

When setting up the media, every time you press [\blacktriangle], [\checkmark], [\checkmark], [\lor], [UP], or [DOWN], the flat table or print-head carriage moves by 0.1 mm (3.9 mil). If you hold down these keys, the flat table or print-head carriage moves continuously and quickly.

Display Screen



Statuses Indicated by Status Light Color

The status light colors indicate the following statuses.

LED	Status
Off	Setup has not been completed. Alternatively, an error (which can be recovered from) has occurred.
	For details on the error, see the information displayed on the screen or the "Master Guide."
Red	An error (which is preventing the machine from continuing operating) such as a motor error or an abnormal temperature inside the machine has occurred.
	For details on the error, see the information displayed on the screen or the "Master Guide."
	(*1)
Yellow	In this status, setup has been completed and the machine can start printing. When flashing, printing has
	been paused.
Green	The machine is printing.

(*1) This does not light when a service call error occurs.

MEMO

If you want to turn off the status light, see the "Master Guide."

STEP 1: Checking the Included Items

The following items are included with the machine. Make sure they are all present and accounted for.

		0				
Power cord, power plug adapter (1 each)	SOL INK cleaning cartridges (2)	Dummy cartridges (2)	Mist filters (2)			
Cleaning sticks	Cleaning liquid (2)	Tweezers (1)	Wipers (6)			
Hexagonal wrench (5 mm) (1)	Drain bottle (spare) (1)	Sponges (6)	Pad trays (2)			
	OP OP					
Ink-cartridge tray (1)	Screws (for the ink-cartridge tray) (4)	First Step Guide (this document) (1)	Master Guide (1)			
INKJET PRINTER MAINTENANCE GUIDE (1)	RIP & PRINT MANAGEMENT SOFTWARE (1)	Special Color Ink Guide (1)	Points on Print Head Maintenance (1)			

STEP 2: Deciding on an Installation Site

Information is provided in "To Ensure Safe Use" (P. 6). Be sure to read this guide prior to installing or connecting the printer.

Install the machine in a quiet, stable location offering good operating conditions. An unsuitable location can cause accidents, fire, faulty operation, or breakdown.

🕂 CAUTION E

Ensure adequate ventilation for the work area.

Failing to perform ventilation may result in a health hazard or danger of combustion due to ink fumes.

Unsuitable installation sites

The following locations can cause malfunctions or poor printing quality.

- · Locations subject to large fluctuations in temperature or humidity
- Locations subject to shaking or vibration
- · Locations where the floor is tilted, not level, or unstable
- Dusty locations
- · Locations exposed to direct sunlight
- · Locations near air-conditioning or heating equipment
- · Locations exposed to water or moving air
- · Locations exposed to considerable electrical or magnetic noise or other forms of electromagnetic energy

MEMO

When you install the machine, check that all four rubber feet of the machine contact the ground. If any of the rubber feet do not contact the ground, you can adjust their height by rotating them.



Temperature and Humidity

Maintain the machine's optimal temperature and humidity even when the machine is not in use.

Status of This Machine	Temperature	Humidity			
During operation	20 to 32°C (68 to 90°F)	35 to 80%RH (no condensation)			
During non-operation	5 to 40°C (41 to 104°F)	20 to 80%RH (no condensation)			



Installation Space and Height

The space shown below is required in order to use the machine. The required space varies depending on the size of the ink used.



The installation location should be above the work floor by 0.6 m (23.6 in.) or more.

This machine is designed to be installed on a desktop. Install the machine in a location that allows easy access to areas such as the power switch and other controls during operation.

WARNING

Unloading and emplacement are operations that must be performed by 6 persons or more.

Tasks that require undue effort when performed by a small number of persons may result in physical injury. Also, if dropped, such items may cause injury.

WARNING

When lifting the machine, hold the locations shown in the figure.





Air Ventilation

This machine emits a small amount of volatile compounds during printing and for some time after printing, which may cause irritation of your eyes, nose, and throat. To use this machine, make sure to install ventilating equipment to ensure adequate ventilation.

For installation of a ventilation machine, contact your authorized Roland DG Corp. dealer.

STEP 3: Removing the Retainers

Retainers are attached to the machine to protect it from vibration during transportation. When installation is complete, remove these retainers.

This work must be performed before connecting the power cord.

If the power is turned on while this work is in progress, there is a risk of injury such as hands or fingers getting caught.

CAUTION!

- Retainers are attached to the machine in two locations. Remove all the retainers. If any remain on the machine, faulty operation or breakdown may occur when the power is switched on.
- Store the retainers carefully because they are needed again when transporting the machine.
- For transportation of this machine, contact your authorized Roland DG Corp. dealer.



You can store the retainers in the locations indicated in the illustration. Use the screws previously attached to the retainers to attach them to the machine.



STEP 4: Attaching the Pad Tray

The pad tray prevents discharged fluid from entering the machine when discharged fluid spills from the drain bottle.

MEMO

When the pad tray gets dirty, replace it with a spare pad tray (included) as needed.

1. Open the panel cover.

- ① Remove the screw on the top of the panel cover.
- ② Pull out the panel cover in the direction indicated by the arrow.



2. Detach the drain bottle.



- **3.** Place the pad tray on the place where the drain bottle was stored.

MEMO

Place the pad tray so that it is not creased or loose. If the pad tray is creased or loose, it will be difficult to install the drain bottle.

- 4. Place the drain bottle on the pad tray, and then install the drain bottle.
- **5.** Close the panel cover.



STEP 5: Connecting the Cables



STEP 6: Initial Settings

NOTE

Be sure to hold the handle of the front cover and open and close it gently.



- **1.** Close the front cover.
- **2.** Switch on the main power.



3. Hold down [MENU] and press the sub power switch.



The screen shown below appears.

MENU	LANGUAGE	\$
ENGLI	SH	Ļ

4. Press [**▼**] to select the language you want.

5. Press [ENTER] to display the screen shown below.

LENGTH	UNIT	\$
mm	► INCH	↓

- **6.** Press [▲] or [▼] to select the measurement unit for length.
- 7. Press [ENTER] to display the screen shown below.

TEMP.	UNI	Т	\$
°C	÷ ۲	۶F	.↓

8. Press [▲] or [♥] to select the measurement unit for temperature.

9. Press [ENTER].

The screen shown below appears.

SELECT	INK TYPE
EC0-UV4	GlGlWW ↔

10. Press [▲] or [▼] to select the ink type, and then press [ENTER].

Ink type	Ink cartridge to use	
ECO-UV CMYKGIGIWW	ECO-UV ink cartridge	Cyan, magenta, yellow, black, gloss, gloss, and white
ECO-UV CMYKPrGIWW	ECO-UV ink cartridge	Cyan, magenta, yellow, black, primer, gloss, and white
ECO-UV4 CMYKGIGIWW	ECO-UV4 ink cartridge	Cyan, magenta, yellow, black, gloss, gloss, and white
ECO-UV4 CMYKPrGIWW	ECO-UV4 ink cartridge	Cyan, magenta, yellow, black, primer, gloss, and white

11. Press [ENTER].

The screen shown below appears.

INSTALL DRAIN BOTTLE

Make sure that the drain bottle is installed properly.



12. Press [ENTER].

STEP 7: Filling with Ink for the First Time

Firstly, clean the print heads with cleaning liquid when installing ink cartridges for the first time after shipment from the factory. After cleaning, fill the machine with the ink of each color.

The on-screen messages indicate which ink cartridges to insert and remove and when to insert and remove them.

Follow the instructions given in "1. Clean the Print Heads Using SOL INK Cleaning Cartridges" (P. 33) and "3. Insert the Ink Cartridges for the Respective Colors" (P. 36).

Prepare

- Two SOL INK cleaning cartridges
- Two dummy cartridges
- The ink cartridges to be used
- The ink-cartridge tray (only when installing 500 cc cartridges)
- Screws (for the ink-cartridge tray; only when installing 500 cc cartridges)

NOTE

- Be sure to use new SOL INK cleaning cartridges, dummy cartridges, and ink cartridges.
- Never, under any circumstances, use anything other than the specified type of ink or cleaning liquid.

Installing the Ink Cartridges

NOTE

- Insert each color ink cartridge into the slot labeled with the matching color. Inserting an incorrect cartridge may lead to breakdowns. Therefore, exercise caution when inserting cartridges. If you insert an incorrect cartridge by mistake, contact your authorized Roland DG Corp. dealer.
- Be sure to insert cartridges horizontally. If cartridges are not inserted horizontally, cleaning and filling may not be performed properly.



1. Clean the Print Heads Using SOL INK Cleaning Cartridges

1. Check that the following screen is displayed.



2. Insert SOL INK cleaning cartridges into the slots whose numbers are displayed.

SET	DUMMY	CRT.	
	SLOT:	3,4 ≁	

MEMO

The SOL INK cleaning cartridges are not differentiated by color.

3. Insert dummy cartridges into the slots whose numbers are displayed, and then press [ENTER].



The screen shown below appears.

F	Ι	L	L	Ι	NG	Ι	ŀ	łK		
\geq										

4. When the screen shown below appears, remove the SOL INK cleaning cartridges.

REMOVE	CL-L	IQU	ID
12			

When you remove the cartridges, the screen shown below appears.

5. Remove the dummy cartridges, and then press [ENTER].



The screen shown below appears.

SET	CI -I	TOU	T	D
	3	4		

6. Use the removed SOL INK cleaning cartridges to repeat steps 2 to 5

until the screen shown below appears.

Е	M	P	Т	γ									
		D	R	Α	Ι	Ν	E	0	Т	Τ	L	Е	↓

7. Discard the discharged fluid, and then reattach the drain bottle.

MEMO

For details on how to detach and attach the drain bottle, see steps 1, 2, 4, and 5 in the procedure in "STEP 4: Attaching the Pad Tray" (P. 26).

8. Make sure the drain bottle is installed, and then press [ENTER].

The screen shown below appears.

SET	CARTRIDGE	
	1234567	

Cleaning is complete once this screen is displayed.

2. Attach the Ink-cartridge Tray (Only When Installing 500 cc Cartridges)

NOTE

When using 500 cc cartridges, be sure to attach the ink-cartridge tray. 500 cc cartridges protrude approximately 30 cm from the side of the machine. Running into the ink cartridges may lead to injury or to machine malfunctions.

1. Temporarily tighten the screws (for the ink-cartridge tray) in two locations on the top of the machine. Make a space between the screw heads and the machine of approximately 1 cm.



2. Slide the ink-cartridge tray onto the screws from the right side of the screws, and then catch the left and right notches of the tray onto the screws.





3. Temporarily tighten the screws in the two bottom locations.

4. Fully tighten all the top and bottom screws (four locations).

3. Insert the Ink Cartridges for the Respective Colors

NOTE

Be sure to hold the handle of the front cover and open and close it gently.

1. Before inserting ink cartridges, shake each of them 50 times (about 15 seconds).



If ink components precipitate, it will not be possible to print with correct colors. So that the ink mixes well, shake each ink cartridge horizontally with a stroke length of around 5 cm (2 in.) from each end of the ink cartridge.

2. Insert the ink cartridge for each color.

Insert cartridge into the slot of the matching color.



The screen shown below appears.





- **3.** Discard the discharged fluid, and then reattach the drain bottle.
- **4.** Make sure the drain bottle is installed, and then press [ENTER]. The machine is now filled with ink.
- 5. Close the front cover.

STEP 8: Network Settings

Introduction

Make sure the machine is connected to the network by an Ethernet cable.

The network settings on the machine must be made manually, using the operation panel. For information about how to make the settings, refer to "Make the Network Settings on the Printer" (P. 41) later in this step.

Also, to perform printing from this machine, the RIP & PRINT MANAGEMENT SOFTWARE included with the machine must be installed on the computer you are using. For information about installation, refer to the documentation for the RIP & PRINT MANAGEMENT SOFTWARE.

This machine has a built-in print server as a network interface. When you use the print server, you can send print data to the machine from anywhere on the network. TCP/IP is used as the protocol.

NOTE

The examples used in the procedures for making the settings described in this section assume you are using one computer and one machine. The procedures and setting values described here may not be suitable for all operating environments.

If the computer you are using is connected to a number of networked devices or to the Internet, incorrect settings may adversely affect the entire network. For detailed information about the settings, consult your network administrator.

Make the Network Settings for the Computer

Procedure

1. Log on to Windows as the "Administrator" or a member of the "Administrators" group.

2.

Windows 10

2-1. From the [Start] menu, click [Settings], and then click [Network & Internet].

- **2-2.** Click [Network and Sharing Center].
- **2-3.** Click [Ethernet] or [Wi-Fi].

Windows 8.1

- 2-1. From the [Start] menu, click [PC settings], and then click [Control Panel].
- 2-2. Click [Network and Internet], and then click [Network and Sharing Center].
- **2-3.** Click [Ethernet] or [Wi-Fi].

Windows 7

- **2-1.** From the [Start] menu, click [Control Panel].
- **2-2.** Click [Network and Internet], and then click [Network and Sharing Center].
- 2-3. Click [Local Area Connection] or [Wireless Network Connection].

3. Click [Properties].

Ethernet Status	×	
General		
Connection		
IPv4 Connectivity:	Internet	
IPv6 Connectivity:	No network access	
Media State:	Enabled	
Duration:	00:00:22	
Speed:	1.0 Gbps	
D <u>e</u> tails		
Activity		
Sent —	Received	
Bytes: 44,791	182,412	
Properties Disable	Diagnose	
	Close	

The [Ethernet Properties] dialog box appears. (On Windows 7, the [Local Area Connect Properties] dialog box appears.)

If the [User Account Control] dialog box appears, click [Continue].

4. Select [Internet Protocol Version 4 (TCP/IPv4)], and then click [Properties].



MEMO

If the [Internet Protocol] check box is clear, select it.

The [Internet Protocol Version 4 (TCP/IPv4) Properties] dialog box appears.

5. Select [Use the following IP address]. Enter the information as shown below, and then click [OK].



Item	Address to enter	
IP address	192.168.0.XXX	
Subnet mask	255.255.255.0	

Here, "XXX" can be any number from 001 to 254. However, be sure to specify a number that is different from the numbers used for other computers and devices. Here, as an example, enter "192.168.0.101" for the IP address and "255.255.255.0" for the subnet mask.

6. Click [OK] in the [Internet Protocol Version 4 (TCP/IPv4) Properties] dialog box, click [OK] in the [Ethernet Properties] dialog box (the [Local Area Connection Properties] dialog box on Windows 7), and then click [Close] in the [Ethernet Status] dialog box (the [Local Area Connection Status] dialog box on Windows 7).

Make the Network Settings on the Printer

NOTE

The addresses used in this section are merely example settings. For detailed information about the settings, consult your network administrator.

1. Set the IP address.

- 1. Press [MENU].
- 2. Press [▼] several times to display the screen shown below.



3. Press [▶], then [▲] to display the screen shown below.



4. Press [►] three times to display the screen shown below.

IP (ADDRES	S (\$ ▶
00 <u>0</u> ,	.000.0	00.000	₽

5. Press [▲] or [▼] to select the address number.

IP ADDRESS	(\$)
192.000.000.	4 000

[IP ADDRESS]: 192.168.000.XXX

Here, "XXX" can be any number from 001 to 254. However, be sure to specify a number that is different from the numbers used for other computers and devices. Here, "192.168.000.003" is entered by way of example. For the part corresponding to "192.168.000," apply the same value as the setting of your computer.

6. Press [►].

7. Repeat steps 5 and 6 to set [IP ADDRESS].

8. When you have finished making the setting, press [ENTER].

Press [◀].

The screen shown below appears again.



2. Set the subnet mask.

1. On the screen for step 1.-8., press [**▼**] to display the screen shown below.

NETWORK	♦
SUBNET MASK	•

2. Press [►] twice to display the screen shown below.

SUBNET	MASK	(\$)
00 <u>0</u> .000	.000.	000 +

3. Press [▲] or [▼] to select the address number.

[SUBNET MASK]: 255.255.255.0

For the subnet mask, make the setting the same value as the one used by the computer. Here, "255.255.255.000" is entered by way of example.

- **4.** Press [►].
- 5. Repeat steps 3 and 4 to set [SUBNET MASK].

6. When you have finished making the setting, press [ENTER].

Press [◀].

The screen shown in step 1. appears again.

If you are using the computer and the machine on a one-to-one basis, this completes the settings to make on the printer. Proceed to "Make the Port Settings for the Software RIP" (P. 43).

If you need to set the gateway address, proceed to the following procedure, "3. Set the gateway address." (P. 43).

3. Set the gateway address.

1. On the screen for step 1.-8., press [♥] twice to display the screen shown below.



2. Press [►] twice to display the screen shown below.

GATEWAY	ADDR. (\$)
000.000.	لم 000.000 با

3. Press [▲] or [♥] to select the address number.

GATEWAY	ADDR	(\$)
25 <u>5</u> .000.	000.000	L.

[GATEWAY ADDR.]: 255.255.255.255

For the value to enter for the gateway address, consult your network administrator. Here, "255.255.255.255" is entered by way of example.

- **4.** Press [►].
- 5. Repeat steps 3 and 4 to set [GATEWAY ADDR.].

GATEWAY	ADDR. (+)
255.255.	255.255 ↓

6. When you have finished making the setting, press [ENTER].

Press [◀].

The screen shown in step 1. appears again.

Make the Port Settings for the Software RIP

- Install the software RIP and set it up. For the print destination, use the IP address set on the printer. For information about how to make the settings, refer to the documentation for the software RIP.
- You can check whether the connection to the network has been made by using the printing-test feature of the software RIP. For information about how to carry out a printing test, refer to the documentation for the software RIP.

Basic Operation Flow

When Starting Daily Operations







Conditions for Usable Media

In this manual, the printing material used for output is called "media."

Media		Condition
Maximum size	Width	800 mm (31.5 in.)
	Length	360 mm (14.2 in.)
	Thickness	100 mm (3.94 in.)
Maximum weight		8 kg (18 lb.)

NOTE

- Do not use media that is charged with static electricity.
- This printer cannot print on all materials. When selecting media, be sure to carry out testing in advance to make sure that satisfactory print quality can be obtained.
- There is a limit to the variation in the unevenness on the print surface.
- For details, see the "Master Guide."
- Depending on the type of media and the installation method, the height may not be set correctly. The machine may malfunction if printing is performed under these conditions. Do not use the following types of media.



Media that easily becomes loose

If the media becomes loose, the head gap sensor cannot detect the height correctly. If you are not able to use the suction function to hold the media in place and it becomes loose, you can use a substance such as commercially available adhesive tape to hold the media in place.



If the media is made from soft material, the pressure applied against the head gap sensor is too weak. This prevents it from detecting the height correctly.

Printable Area

The maximum printable area is width 770 \times length 330 \times thickness 100 mm (width 30.32 \times length 13 \times thickness 3.94 in.)

- * The maximum printable area is inside the square holes on the four corners of the flat table. (The holes are included in the printable area.)
- * The maximum size of the media and the printable area are different.



STEP 1: Turning the Power On



NOTE

Leave the main power switched on at all times.

Never switch off the main power. Leaving the main power on enables the automatic maintenance to be carried out periodically. If the automatic maintenance is not carried out, the printer may malfunction. For example, the print heads may be damaged.

Be sure to hold the handle of the front cover and keep holding it until the cover is completely opened or closed.

If you do not open and close the front cover gently, it may break or you may be injured.

STEP 2: Loading Media and Setting the Height

CAUTION Never load media that weighs over 8 kg (18 lb.). To avoid injury, handle the media with care.

1. Loading Media (Media Setup)

NOTE

Be sure to hold the handle of the front cover and open and close it gently.

MEMO

- Printing tests are used to check that no dot drop-out occurs. For printing tests, use media for testing (width $80 \times$ height 70 mm, width $3.1 \times$ height 2.8 in. or bigger), not the media you will actually use.
- The media can be set anywhere as long as it does not protrude from the flat table.
- Be aware that when there are folds or kinks in the media, they might hit the interior of the printer and cause damage.

1. Check that the following screen is displayed.

SETUP MEDIA

MEMO

When this screen is not displayed, you cannot perform setup. To perform setup, make sure that there is nothing placed on the flat table, and then press [SETUP] for one second or longer. The flat table will come forward into a position in which you can set up the media.

2. Open the front cover.

3. Secure the media in place.

Securing the media in place with the suction function

Press the [PAUSE/VACUUM] button.

You can use this function to secure media such as thin paper in place on the flat table by way of the suction from the bottom of the flat table. However, you may not be able to use this function to secure some types of media in place.



media in its entirety because the edges of the media curl up.

Thick media

Securing the media in place with tape

If you do not want to use the suction function and for media that cannot be secured in place with the suction function, secure the media in place using a substance such as commercially available tape affixed directly to the flat table.



4. Close the front cover.

2. Setting the Height of the Media Automatically

The height of the media is automatically detected, and the print heads are adjusted to the appropriate height for printing.

MEMO

- If the print surface is uneven, there is a limit to the area of unevenness.
- For details, see the "Master Guide."
- You can manually set the height of the media. The automatic height setting is not suitable if you do not
 want to make the head gap sensor come into contact with the media. In this case, you should set the height
 manually.
- For details, see the "Master Guide."

NOTE

Be sure to hold the handle of the front cover and open and close it gently.

1. Press [SETUP].

[SETUP] starts to flash.

If you want to turn the suction function off, see the "Master Guide" for details.

2. Press [▲], [♥], [UP], or [DOWN] to move the flat table.

Bring the highest position of the media (print surface) into contact with the head gap sensor. When the head gap sensor reacts, a buzzer goes off.





MEMO

This step can be performed with the front cover open.

3. Press [►].

The screen shown below appears.

AUTO	DETECTION	•
		₊

4. If the front cover is open, close it.

The following step moves the flat table rearward. If the media hits the head gap sensor, the media may be damaged or the head gap sensor may malfunction.

To readjust the height of the media, press [\blacktriangleleft] and perform the procedure again starting from step 2 in "2. Setting the Height of the Media Automatically" (P. 48).

5. Press [ENTER].

The flat table moves, and media height detection starts. The flat table rises while moving backward and forward until the media reaches a position where it comes in contact with the head gap sensor.

When the flat table stops moving and one short beep is heard, the setup is complete.

The media's height will be set automatically to a position about 1 mm (0.04 in.) away from the ink emission surface of the print heads.

MEMO

You can change the distance between the ink emission surface of the print heads and the media. For more information, see the "Master Guide."

STEP 3: Printing Tests and Normal Cleaning

Check for dot drop-out by performing printing tests before and after daily operations. If dot drop-out occurs, perform cleaning of the print heads (normal cleaning). Leaving the dot drop-out untreated may damage the print heads, so be sure to check for this condition each day after operation.

* Dot drop-out is a condition where dust or other foreign matter adheres to the print heads and interferes with normal ink emission.

1. Perform a Printing Test on Media for Testing

1. Remove just the white ink cartridge, shake it 50 times (about 15 seconds), and then reinsert this cartridge.



NOTE

The components in the white ink have a tendency to precipitate. If ink components precipitate, it will not be possible to sufficiently make use of the properties of the ink. So that the ink mixes well, shake the ink cartridge horizontally with a stroke length of around 5 cm (2 in.) from each end of the ink cartridge.

The deposits may harden and cause problems including printer malfunctions if left alone for an extended period of time.

2. Press [FUNCTION] to display the screen shown below.

FUNCT	ION	∢ ≑
CLEAN	ING	•

3. Press [►] to display the screen shown below.

CLEANING	∢ ♦
TEST PRINT	L.

4. Press [ENTER].

F	P	-	R	F	0	R	Μ	Ι	Ν	G					
							Т	E	S	Т	PR	Ι	Ņ	Τ	

A test pattern is printed.



If dot drop-out is present, proceed to "2. Perform Normal Cleaning" (P. 51). If there is no dot drop-out, proceed to "STEP 4: Production Printing" (P. 53).

If the printing-test results are difficult to interpret

Examine the results from different angles in a well-lit location. Take advantage of reflected light to enable visual checking.

Alternatively, change the media and perform the printing again.

2. Perform Normal Cleaning

1. Press [FUNCTION] to display the screen shown below.

FUNCT	ION	∢ ♦
CLEAN	ING	•

2. Press [►], then [♥] to display the screen shown below.



3. Press [►] to display the screen shown below.

NORMAL	CL.	∢≑ ►
<u>AB</u>		ل ہ

4. Press [◄] or [►] to select the group of print heads that is not to be cleaned.



5. Press [▲] or [▼] to clear the group of print heads that is not to be cleaned from the display.

NORMAL	CL.	∢ ≑
A		Ļ

6. Press [ENTER].

Normal cleaning starts. It takes about two to three minutes.

CL	EAN	Ι	NG	=	=	=	
>>	>>>						

When finished, the screen shown below appears again.

NORMAL	CL.	∢≑ ►
A_		L

7. Press [FUNCTION].

The display returns to the original screen.

₩:	508mm	L:	330mm
H:	100.0r	iPi	

8. Perform a printing test (P. 50) again to make sure the dot drop-out has been corrected.

If the problem persists, try performing cleaning again.

If the printer has been used for a long period, the problem may not be fixed even after performing cleaning two or three times. If this is the case, perform medium or powerful cleaning.

For details, see the "Master Guide."

NOTE

UV ink will harden. It may adhere to the print head and solidify. If left alone, ink may clog the print heads and cause problems including printer malfunctions.

Clean the head manually when printing frequently with the print head at a distance from the print surface. This is called manual cleaning. To prevent clogging of the print heads, you may have to perform manual cleaning each time you print in some cases.

For details, see the "Master Guide."

STEP 4: Production Printing

This section explains how to print from this machine, using the included VersaWorks Dual (RIP & PRINT MANAGEMENT SOFTWARE). It assumes that you have already completed the following tasks.

- Installation of VersaWorks Dual
- Connecting VersaWorks Dual and this machine
- · Learning the basic operation of VersaWorks Dual
- "Roland VersaWorks Dual Installation Guide" (included)
- Preparing print data

In this section, a file saved in the PS (PostScript) format is used.

For information on file formats that you can read directly with VersaWorks Dual and on how to output from the application, see the "VersaWorks Dual Installation Guide" (included).

1. Perform "STEP 2: Loading Media and Setting the Height" (P. 47)

Load the media that you actually want to print on and set the print area.

2. Load the Print Area Set on This Machine into VersaWorks Dual

1. Start VersaWorks Dual.

Check that:

- · VersaWorks Dual connects to the machine.
- The machine's status is "Ready to Start Printing."

2. Double-click 🛃 (or 🛃)

The "Queue A Properties" dialog box appears. (Display the properties for the input setting to use.)



3. Click [Get Media Width].

Load the print area set on this machine into VersaWorks Dual.



* To configure other settings, see the "VersaWorks Dual Installation Guide" (included), the Help, or the "White & Gloss Ink Guide" (included).

4. Click [OK].



3. Output Print Data Using VersaWorks Dual

1. Click the [Queue A] tab in the [Job List], and then drag the print data to the Queue A job list (to the Queue B job list when the print setting is done on Queue B).

The contents of the data are displayed in the preview window, and the layout on the media is displayed in the layout window.



2. Double-click a print job in the job list. The "Job Settings" screen appears.



3. Use this screen to fit the print data in the print area and adjust the position of the print data.

The white part in the layout area is the print area that was loaded in step 1. Print data that is not in the print area will not be printed.

Job Settings [RolandDG.eps]	- 🗆 X
Media Settings Size : CustomCUT	mm, 0
Select the "Fit to Media Size" check box to	
adjust the print data to match the print area.	
Scale: 100.00 - 2 % Adustment File Format File Format Mark Mark Topy: 1	
Select the "Center on the Media" check box	
to place the print data in the center of the	002
print area.	
Job Management	The second secon
	Layout area Print area

* This is an example of the display when "Center on the Media" is selected.

MEMO

The orientation in the VersaWorks Dual screen display is the opposite of the actual print orientation. Make sure the media orientation is correct.



Orientation on the VersaWorks Dual screen



Actual print orientation

4. After you have adjusted the printing position, click [OK].



5. Click .



Printing starts.

When the printing ends, the screen shown below appears on the display screen of the printer.

F	Ι	Ν	Ι	S	Η	Ε	D	P	R	Ι	h	ľ	Т	
														┙

Data from the computer is not accepted while this screen is displayed.

MEMO

If [PRT CONTINUE] is set to [ENABLE], the screen shown in the figure does not appear.

For details, see the "Master Guide."

6. Press [ENTER].

The screen shown below appears again.

₩:	508mm	L:	330mm
H:	100.0r	ήM	

Data from the computer can be accepted again.

Pausing or Canceling Printing

You can pause and cancel printing before it finishes. However, we do not recommend resuming printing because colors may be uneven in the place where output stopped.

Procedure

1. Press [PAUSE/VACUUM] before printing finishes.

The printing operation is paused.

The screen shown below appears.

ТО	CANC	EL,	HOLD
D	OWN	SETU	IP KEY

- **2.** Press [PAUSE/VACUUM] again to resume printing. Printing resumes. To cancel printing, go the next step without pressing [PAUSE/VACUUM].
- **3.** Hold down [SETUP] to cancel printing. The printing operation is canceled.
- 4. When printing is canceled, the computer stops sending data.

STEP 5: Printing Tests and Normal Cleaning after Daily Operations

Make sure to check for dot drop-out by performing printing tests after daily operations. If dot drop-out is present, perform normal cleaning.

"STEP 3: Printing Tests and Normal Cleaning" (P. 50)

If problems such as dot drop-out persist even after you have performed normal cleaning several times, perform medium or powerful cleaning.

For details, see the "Master Guide."

NOTE

Frequently clean the inside of the machine using a vacuum cleaner or by wiping with a cloth moistened with water then wrung dry. If dust and dirt accumulate in the machine, they are likely to affix to printed materials.

For details, see the "Master Guide."

STEP 6: Turning the Power Off



Hold down the sub power button for one second or longer.

The sub power turns off. Turn off the sub power after printing is complete.

NOTE

- Never switch off the main power. Leaving the main power on enables the automatic maintenance to be carried out periodically. If the automatic maintenance is not carried out, the printer may malfunction. For example, the print heads may be damaged.
- Never switch off the main power or unplug the power cord suddenly while operation is in progress. Doing so may damage the print heads. Be sure to first switch off the sub power. If the main power is accidentally switched off, immediately turn the main power and sub power back on.

Roland

For China

产品中有毒有害物质或元素的名称及含量

	有毒有害物质或元素							
部件名称	铅(Pb)	汞(Hg)	镉(Cd)	六价铬 (Cr(VI))	多溴联苯 (PBB)	多溴二苯醚 (PBDE)		
印刷电路板	×	0	×	0	0	0		
头部	×	0	0	0	0	0		
壳体、底架	×	0	0	0	0	0		
电源	×	0	×	0	0	0		
其他(电缆、附件等)	×	0	0	0	0	0		
O: 表示该有毒有害物质在该部件所有均质材料中的含量均在 GB/T26572-2011 标准规定的限量要求以下。 ×: 表示该有毒有害物质至少在该部件的某一均质材料中的含量超出 GB/T26572-2011 标准规定的限量要求。								

环保使用期限



此标志适用于在中国国内销售的电子信息产品,表示环保使用期限的年数。 所谓环保使用期限是指在自制造日起的规定期限内,产品中所含的有害物质 不致引起环境污染,不会对人身、财产造成严重的不良影响。 环保使用期限仅在遵照产品使用说明书,正确使用产品的条件下才有效。 不当的使用,将会导致有害物质泄漏的危险。

For EU Countries



This product must be disposed of separately at your local waste recycling center. Do not dispose of in household waste bin.



Bitte führen Sie dieses Produkt separat Ihrer örtlichen Entsorgungsstelle zu. Bitte nicht mit dem normalen Hausmüll entsorgen.



Ne jetez pas le produit avec vos ordures ménagères. Portez-le dans un centre recyclage des déchets.



Questo prodotto deve essere smaltito negli appositi contenitori per la raccolta differenziata, non buttare nel cestino dei rifiuti casalinghi.



Este producto debe devolverse al centro de reciclaje más cercano a su domicilio para su correcta eliminación. No lo tire a la basura.



Deite fora separadamente este produto no seu centro de reciclagem local. Não o deite fora no seu caixote do lixo.



Lever dit product in bij een lokaal afvalverzamelpunt. NIET met normaal huishoudelijk afval afvoeren.



Dette Produkt skal smides særskilt væk på den lokale affalds- og genbrugsstation. Må ikke smides ud sammen med almindeligt husholdningsaffald.



Tätä tuotetta ei saa hävittää normaalien talousjätteiden mukana, vaan se on toimitettava ongelmajätteiden keräilypisteeseen hävitettäväksi.



Produkten måste kasseras separat på din lokala återvinningscentral. Släng inte produkten tillsammans med hushållssoporna.



Μην πετάξετε το αντικείμενο αυτό στο καλάθι των απορριμμάτων. Αφαιρέστε τις μπαταρίες και προσκομίστε το στο τοπικό κέντρο ανακύκλωσης.

