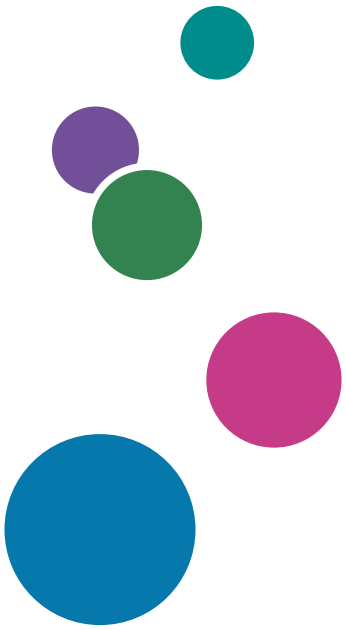
Roland

IU-1000F

Operating Instructions

Administrator Mode Guide



For safe and correct use, be sure to read Safety Information before using the machine.

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Getting Started

This manual explains Print Control functions that can be used in administrator mode.

For details about how to log into administrator mode, contact your authorized Roland DG Corporation representative.

Note that changing settings and printing in administrator mode are not covered by the warranty.

Disclaimer

To the maximum extent permitted by applicable laws, in no event will the manufacturer be liable for any damages whatsoever arising out of failures of this product, losses of documents or data, or the use or non-use of this product and operation manuals provided with it.

Notes

Contents of this manual are subject to change without prior notice.

Some illustrations or explanations in this guide may differ from your product due to improvement or change in the product.

The screen shots used in this manual are displayed in English.

1. Configuring UV Lamp Settings

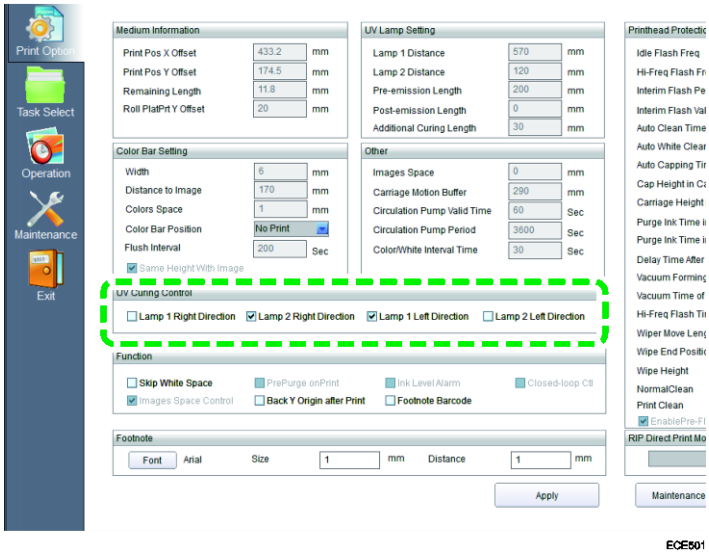
Changing UV Lamp Operation

Configure settings for the UV lamp you want to turn on when moving the carriage to the left or right.

1. **Using Print Control, log into administrator mode.**
2. **Click [Print Option] to open the [Print Option] screen.**
3. **In "UV Curing Control", check the required items.**

   Depending on the media being used, the curing conditions for the ink may vary.

   To adjust the ink curing conditions, adjust the illumination conditions for the UV lamps in this setting.



- Lamp 1 Right Direction

  If selected, the LED on the left side of the carriage will light up when the carriage moves to the right.
- Lamp 2 Right Direction

  If selected, the LED on the right side of the carriage will light up when the carriage moves to the right.
- Lamp 1 Left Direction

  If selected, the LED on the left side of the carriage will light up when the carriage moves to the left.
- Lamp 2 Left Direction

  If selected, the LED on the right side of the carriage will light up when the carriage moves to the left.

4. **Click [Apply] to apply the configured settings.**

Depending on the combination of the UV lamp setting, media, and image to be printed, the media may be deformed by the heat of the lamp.

After changing the UV lamp settings, check that the media does not become deformed.
If the media becomes deformed, it may come into contact with the print head and damage it.

2. Customizing Print Settings

You can change settings such as carriage speed and print direction, as well as spot color printing and multilayer printing order, according to your specific application needs.

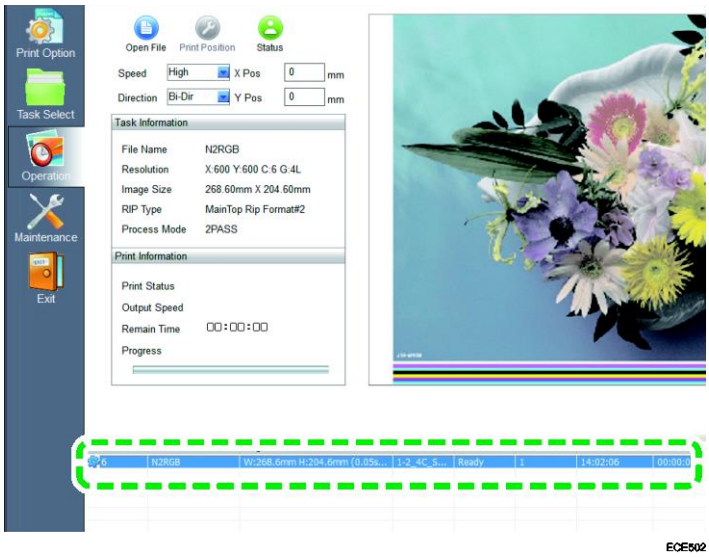
Carry out this procedure in the following order:

1. Creating print mode
2. Creating color mode
3. Creating layout

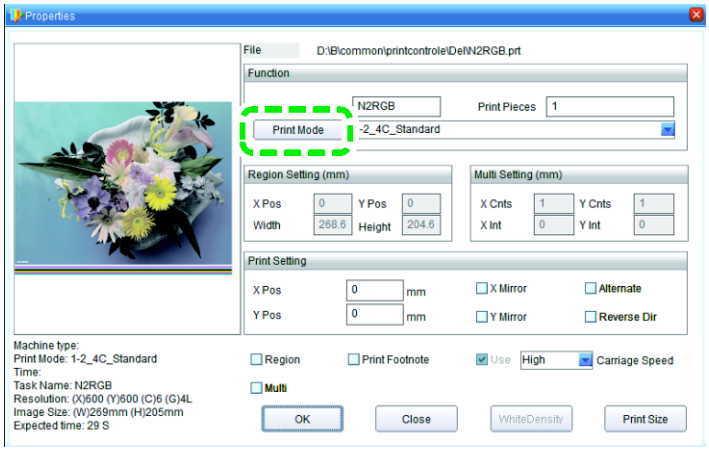
Creating and Changing Print Mode

This section explains how to create a new print mode. You can also change a print mode that has been created. Configure the color mode, carriage speed, and print direction settings.

1. **Using Print Control, log into administrator mode.**
2. **Double-click on the task in the task list to open the Properties dialog box.**



3. **Click [Print Mode] to open the Print Edit mode dialog box.**

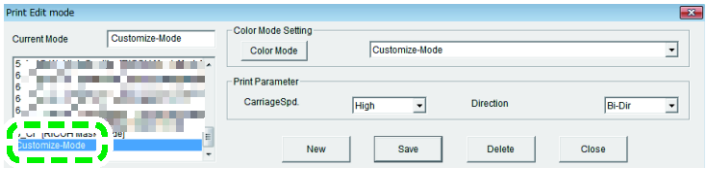


ECE503

4. **In the list in the sidebar, select "Customize-Mode".**

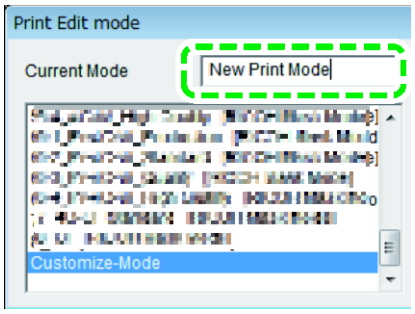
To change a print mode previously created, select that print mode and then go to Step 7.

Be sure not to change the preset print modes.



ECE504

5. **Rename the print mode.**

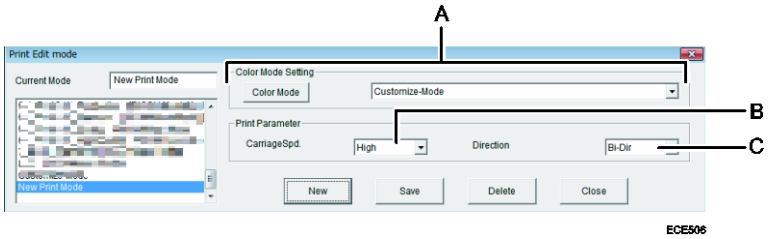


ECE505

6. **Click [New].**

A new print mode is created.

7. Configure the color mode, carriage speed, and print direction settings.



A. Color Mode Setting

From the drop-down list, select a color mode.

Alternatively, click [Color Mode], and then create a new color mode. For details, see page 8 "Creating and Changing Color Mode".

B. CarriageSpd.

- Select from High, Normal, and Low. Do not select "Not Specified".
- Normal speed is approximately 2/3 of high speed; low speed is approximately 1/3 of high speed.
- Decreasing the speed improves the image quality but decreases throughput.
- If selecting normal or low speed, perform color offset adjustment at each speed. For details about how to perform color offset adjustment, see "Color Offset Adjustment", Operating Instructions.
- Note that if selecting low speed, the media may be heated too much by the UV lamp and become deformed.

C. Direction

Select from "Bi-Dir", "Left", and "Right".

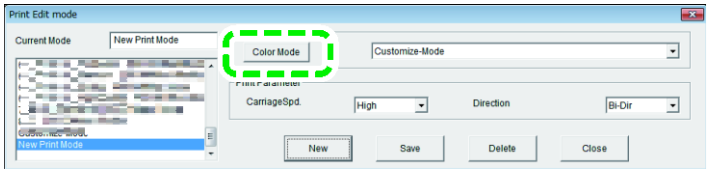
8. Click [Save] to save the configured print mode.

9. To use a saved print mode, return to the Properties dialog box, and then select the applicable print mode.

Creating and Changing Color Mode

This section explains how to create a new color mode. You can also change a color mode that has been created. Configure the settings for spot color printing, ink volume, and layout.

1. **Using Print Control, log into administrator mode.**
2. **Double-click on the task in the task list to open the Properties dialog box.**
3. **Click [Print Mode].**
4. **Click [Color Mode] to open the Color Mode Setting dialog box.**

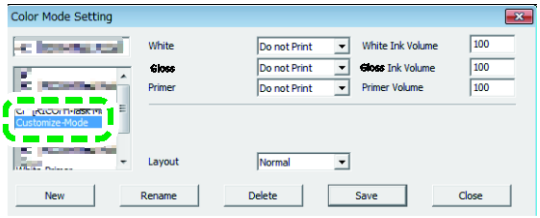


ECE507

5. **In the list in the sidebar, select "Customize-Mode".**

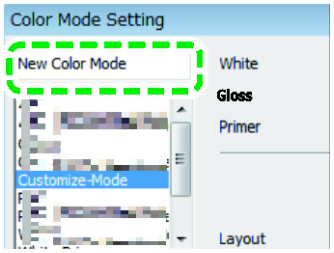
   To change a color mode previously created, select that color mode and then go to Step 8.

   Be sure not to change the preset color modes.



ECE508

6. **Rename the color mode.**

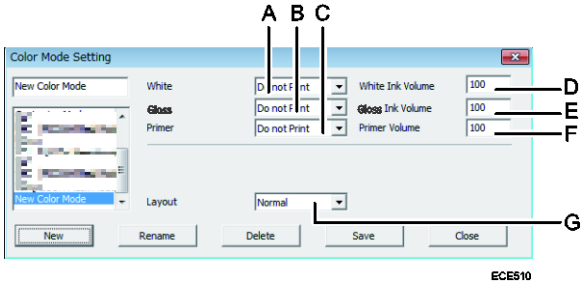


ECE509

7. **Click [New].**

   A new color mode is created.

8. Configure settings A to G (spot color printing, ink volume, and layout).



A. White

Select the spot color printing setting for white ink from the following 3 items.

- Do not Print: Do not apply white ink.
- Flood: Apply white ink to the entire print area.
- RIP Data: Apply white ink only to areas where white is specified as the spot color on the data.

Do not select any of the other items.

B. Gloss

Select the spot color printing setting for gloss ink. The items in the setting are the same as those in White.

C. Primer

Select the spot color printing setting for primer ink. The items in the setting are the same as those in White.

D. White Ink Volume

Configure the white ink volume between 0 and 100 (%).

E. Gloss Ink Volume

Configure the gloss ink volume between 0 and 100 (%).

F. Primer Volume

Configure the primer ink volume between 0 and 100 (%).

G. Layout

Select the multilayer printing order.

To create a new layout, select "More...". For details, see page 10 "Creating and Changing Layout".

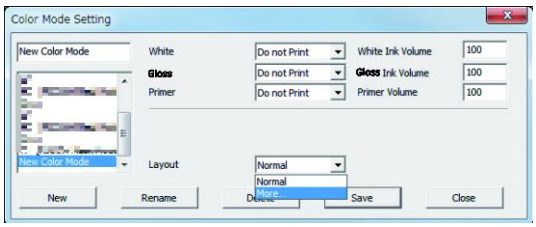
9. Click [Save] to save the configured color mode.

10. To use a saved color mode, return to the Print Edit mode dialog box, and then select the applicable color mode.

Creating and Changing Layout

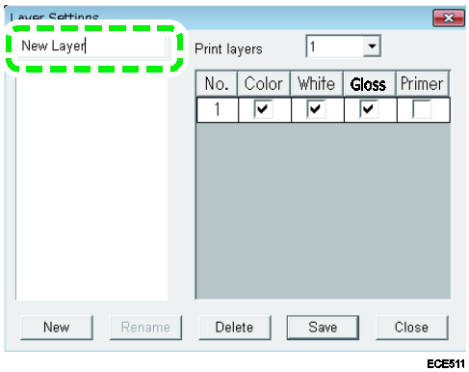
This section explains how to create a new layout. You can also change a layout that has been created. Configure the settings for the multilayer printing order.

1. **Using Print Control, log into administrator mode.**
2. **Double-click on the task in the task list to open the Properties dialog box.**
3. **Click [Print Mode].**
4. **Click [Color Mode].**
5. **In the "Layout" drop-down list, select "More...".**



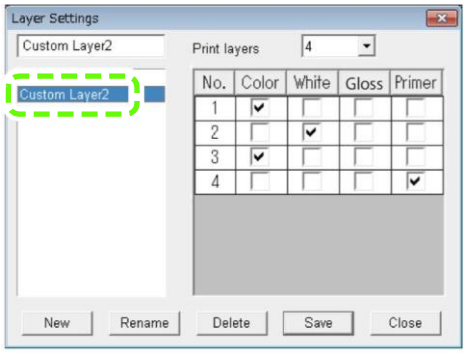
The Layer Settings dialog box opens.

6. **When creating the layout for the first time, enter any layout name. If a previously created layout name is displayed, change it to another name.**



ECE511

To change a previously created layout, select the applicable layout from the list on the left, and then go to Step 8.



7. **Click [New].**

   A new layout is created.

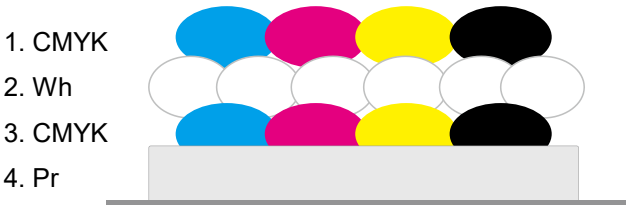
8. **Configure the layer settings. For details, see page 11 "Configuring Layer Settings".**

9. **Click [Save] to save the configured layout.**

10. **To use a saved layout, return to the Color Mode Setting dialog box, and then select the applicable layout.**

Configuring Layer Settings

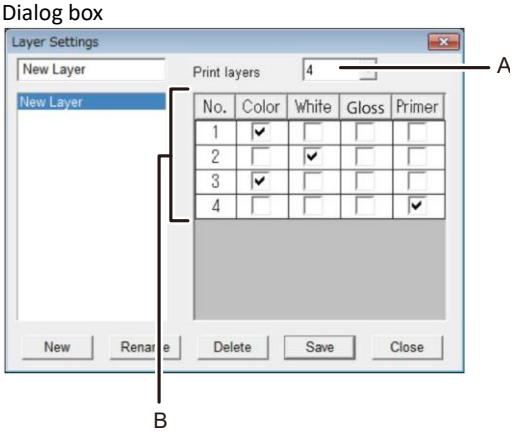
As an example, this section explains how to specify the setting for multilayer printing whereby 4 layers are configured with the print-head configuration set to "Common head".



Important

When using gloss ink for gloss finishing, the ink must be allocated to a different job than that of other inks. When performing matte finishing instead of gloss finishing with gloss ink, there is no need to allocate to a different job than that of other inks.

Dialog box



A. Print layers

Configure the number of layers for multilayer printing. In this example, 4 layers are selected.

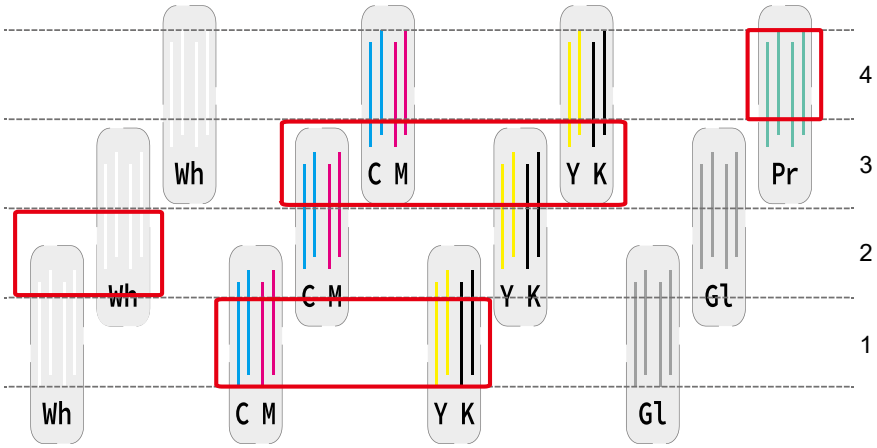
B. Configuring the color of each layer

Check the color to print on each layer. The layers are printed in descending order, from 4 to 1.

If you select 2 types of ink on the same layer, they mix and harden.

In general, only 1 ink type is set per layer.

Splitting the print head and ink discharge position



The print head is split in the Y direction according to the number of layers configured. If 4 layers are configured, the print head is split into 4 sections at the positions indicated by the dotted lines.

The inks checked for each layer color setting are discharged, as shown by red frames.

The ink discharge position depends on the print-head configuration. For details, see "Color Offset Adjustment", Operating Instructions.

Notes on layout setting configuration

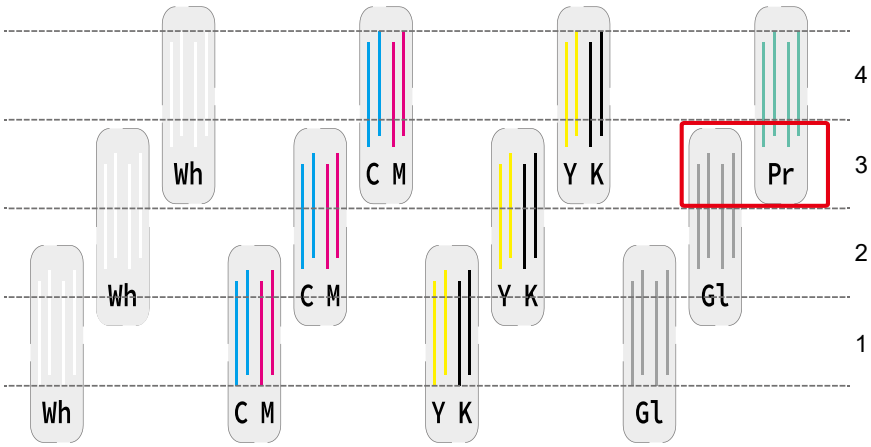
- The layers that can be selected for the gloss (Gl) and primer (Pr) colors are limited because of the print head position. If 6 layers are configured with the standard print-head configuration, you can select only layers 1, 2, 3, and 4 for the gloss color and layers 5 and 6 for the primer color. Even if you check the gloss color (Gl) in layer 5 or 6, the ink is not discharged and thus not printed.

  The layers that can be used with Gl and Pr are as indicated below. Ink injection may be unstable in the case of the layers shown in parentheses.

  Because ink discharge may be unstable for the layers shown in parentheses, do not set these layers.

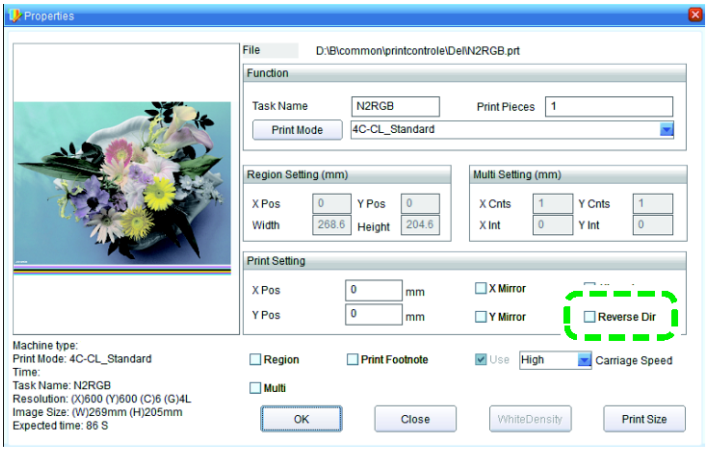
Print head configuration	Total number of layers	Gl layer	Pr layer
Common head	1	(1)	(1)
	2	1	(2)
	3	1, 2	3
	4	1, 2, (3)	(3), 4
	5	1, 2, 3, (4)	(4), 5
	6	1, 2, 3, 4	5, 6
	7	1, 2, 3, 4, (5)	(5), 6, 7
	8	1, 2, 3, 4, 5, (6)	(6), 7, 8
Double White	-	Cannot be used.	Cannot be used.

As an example, with a total of 4 layers, layer 3 is set across Gl and Pr.
In this case, ink discharge for layer 3 will be unstable. Avoid this setting.



In a customized setting, you cannot use the layout settings for lamination of a gloss finish using gloss ink. However, when performing matte finishing with a gloss ink, you can use the layout settings for lamination.

- If configuring the layers in a customized setting, do not check "Reverse Dir" in the Properties dialog box.



For more information on multilayer printing, refer to the Special Color Printing Guide.

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