

# RICOH Pro T7210

**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 service 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.

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puon	Print Pos X Offset	433.2 mm	Lamp 1 Distance	570		Tule Hashi Feq
	Print Pos Y Offset	174.5 mm	Lamp 2 Distance	120	mm	Hi-Freq Flash Freq
	Remaining Length	11.8 mm	Door Open Ahead Len	100	mm	Interim Flash Period
Select	Roll PlatPrt Y Offset	20 mm	Additional Curing Length	30	mm	Interim Flash Valid Tim
1						Auto Clean Timer
	Color Bar Setting		Other			Auto White Cleaning Ti
ation	Width	6 mm	Images Space	0	mm	Auto Capping Timer
æ	Distance to Image	170 mm	Carriage Motion Buffer	250	mm	Cap Height in Capping
	Colors Space	1 mm	Circulation Pump Valid Time	60	Sec	Carriage Height in Clea
nance	Color Bar Position	No Print 📉	Circulation Pump Period	3600	Sec	Purge Ink Time in Man
<b>1</b>	Same Height With Image		Color/White Interval Time	30	Sec	Purge Ink Time in Clea
						Delay Time After Purge
U (	LIV Curing Control					Vacuum Time of Wast
at	ov outing control					Hi-Fren Flash Time
		-				in rog room into
	Lamp 1 Right Direction	Lamp 2 Right Direction	on 🗹 Lamp 1 Left Direction 🗌 L	amp 2 Left Dire	ection	Wiper Move Length
	Lamp 1 Right Direction	Lamp 2 Right Direction	on 🗹 Lamp 1 Left Direction 🗌 L	amp 2 Left Dire.	ection	Wiper Move Length Wipe End Position
	Lamp 1 Right Direction	Lamp 2 Right Direction	on 🗹 Lamp 1 Left Direction 🗌 L	amp 2 Left Dire.	ection	Wiper Move Length Wipe End Position Wipe Height
	Lamp 1 Right Direction	Lamp 2 Right Direction PrePurge onPrint	on 🗹 Lamp 1 Left Direction 🗌 L	amp 2 Left Dire	ection	Wiper Move Length Wipe End Position Wipe Height NormalClean
	Lamp 1 Right Direction	Camp 2 Right Direction PrePurge onPrint Back Y Origin after	on Lamp 1 Left Direction	amp 2 Left Dire	ection	Wiper Move Length Wipe End Position Wipe Height NormalClean Vacu Print Clean Vacu
	Lamp 1 Right Direction Function Skip White Space Minages Space Control	Lamp 2 Right Direction PrePurge onPrint Back Y Origin after I	on ☑ Lamp 1 Left Direction ☐ L Ink Level Alarm Print ☐ Footnote Barcode	amp 2 Left Dire	loop C1I	Wiper Move Length Wipe End Position Wipe Height NormalClean Vacu Print Clean Vacu
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	Lamp 1 Right Direction Function Skip White Space Images Space Control Footnote Foot Arial	Camp 2 Right Direction Campa 2 Right Direction PrePurge onPrint Back Y Origin after I Size 0	m 🖗 Lamp 1 Left Direction 📄 L Ink Level Alarm Print 📑 Footnote Barcode	Closed-	toop Ctl	Wiper Move Length Wipe End Position Wipe Height NormalClean Vacu Print Clean Vacu EnablePre-Flush RIP Direct Print Mode
	I Lamp 1 Right Direction Function Skip White Space Images Space Control Footnote Font Arial	Camp 2 Right Directic PrePurge onPrint Back Y Origin after I Size 0	m Damp 1 Left Direction L	Closed	loop Ctl	Wipe Move Length Wipe End Position Wipe Height NormalClean Vact Print Clean Vact EnablePro-Flush RIP Direct Print Mode
	Lamp 1 Right Direction      Function      Slip White Space      Images Space Control      Footnote      Font Arial	Camp 2 Right Directic  PrePurge onPrint Back Y Origin after I  Size 0	m QLamp 1 Left Direction L	Closed-	ction	Wipe Move Length Wipe End Position Wipe Height NormalClean Water Print Clean Water EnablePro-Flush RIP Direct Print Mode Maintenance Mode

• 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 the carriage speed, print direction, 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.



4. In the list in the sidebar, select "008\_W-4C\_Quality".

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

Current Mode 008_W	-4C_Quality Color	Mode Setting				
001_4C_Draft	· (	olor Mode	008_W-4C_Quality			•
J02_4C_Production J03_4C_Standard J04_4C_Quality J05_W-4C_Draft	Print	Parameter rriageSpd. H	igh 💌	Direction	Left	•
008_W-4C_Quality		New	Save	Delete	Close	

5. Rename the print mode.



6. Click [New].

A new print mode is created.

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

irint Edit mode					A 				
Current Mode 033_4C-W_Draft 034_4C-W_Produ	New Print Mode	•	- Color Mode Setting Color Mode	00	8_W-4C_Qualit	y		J	_
035_4C-W_Stand: 036_4C-W_Qualit 037_Pr-4C-W_Dra 038_Pr-4C-W_Pro	ard / ift duction		Print Parameter CarriageSpd.	High		Direction	Left		
040_Pr-4C-W_Qu New Print Mode	ality	-	New		Save	Delete	Close		
								EA.1106	

#### 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.

Current Mode New Print Mod 033_4C-W_Draft 034_4C-W_Production		Color Mode	008_W-4C_Qualit	У		•
035_4C-W_Standard 036_4C-W_Quality 037_Pr-4C-W_Draft 038_Pr-4C-W_Production 039_Pr-4C-W_Standard		CarriageSpd.	High	Direction	Left	•
040_Pr-4C-W_Quality New Print Mode	-	New	Save	Delete	Close	

5. In the list in the sidebar, select "001\_4C\_Draft".

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

111 20 TIVS#	White	Do not Print 💌 Wh	ite Ink Volume 100
101 4C Draft	- Clear	Do not Print 💌 Cle	ar Ink Volume 100
102 4C Deaduction	Primer	Do not Print 💌 Prin	ner Volume 100
DOL MI AC DUCK			
005_W-4C_Draft 006_W-4C_Production 007_W-4C_Standard 008_W-4C_Quality	Layout	Normal	

6. Rename the color mode.



7. Click [New].

A new color mode is created.

- Color Mode Setting

   001\_4
   Charlen to the setting

   001\_4
   Clear

   003\_4
   Clear

   Do not Fr.nt
   V White Ink Volume

   003\_4
   Clear Ink Volume

   Dos 54
   Clear Ink Volume

   Dos 54
   V White Ink Volume

   Dos 54
   V White Ink Volume

   Dos 54
   V Would V

   Dos 74
   V Product

   New
   Rename
   Delete

   Save
   Close

  </tab
- 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 image
- RIP Data: Apply white ink to the RIP data part only

Do not select any of the other items.

#### **B.** Clear

Select the spot color printing setting for clear 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. Clear Ink Volume

Configure the clear 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.

 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...".

01 40 P			I where the web was	100
DU1_HC_Draft	white	Do not Print	VVnite Ink volume	1100
34 4C-W Production	- Clear	Do not Print	Clear Ink Volume	100
035_4C-W_Standard	Primer	Do not Print	Primer Volume	100
039_Pr-4C-W_Standar 040_Pr-4C-W_Quality New Color Mode	Layout	Normal Normal DI 4C-Cl	-	Close

The Layer Settings dialog box opens.

6. In the list in the sidebar, select "4C\_Cl".

To change a layout previously created, select that layout and then go to Step 9.

Layer Settings					×
4C-CI	Print la	yers	3	•	
4C-CI	No.	Color	White	Clear	Primer
Pr-4C-CI Pr-4C-W	1			<b>v</b>	
Pr-4C Pr-W-4C-CI Pr-W-4C W-4C-CI W-4C	3				
New Renar	ne Dele	ete	Save		Close
					EAJ1

7. Rename the layout.

Laver Settings	
New Layout	Print layer
4C-CI 4C-W Pr-4C-CI Pr-4C-W Pr-4C Pr-W-4C-CI	No. C
Pr-W-4C	EAJ112

8. Click [New].

A new layout is created.

- 9. Configure the layer settings. For details, see page 11 "Configuring Layer Settings".
- 10. Click [Save] to save the configured layout.
- To use a saved layout, return to the Color Mode Setting dialog box, and then select the applicable layout.

#### **Configuring Layer Settings**

By way of example, this section describes the procedure for configuring the following 6-layer printing.



#### EAJ014

#### **Dialog box**



#### A. Print layers

Configure the number of layers for multilayer printing. In this example, 6 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 6 to 1.

If you select 2 types of ink on the same layer, they mix and harden. In Layers 2, 3, and 4, white and clear inks mix and harden.

#### 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 6 layers are configured, the print head is split into 6 sections at the positions indicated by the dotted lines.

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

#### Notes on layer setting configuration

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

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

Total number of layers	Cl layer	Pr layer
1	(1)	(1)
2	1	(2)
3	1, 2	3
4	1, 2, (3)	(3), 4

Total number of layers	Cl layer	Pr layer
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

• In a customized setting, you cannot select multiple clear color (Cl) layers for gloss lamination.

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

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