

VersaUV LEF-200 Master Guide



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Roland DG Corporation

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.

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Three Important Points (Measures for UV Reflected Light and Ink Mist)

On this machine, ink affixed on the surface of the print heads might be cured by the reflection of the UV-LED lamp light and by ink mist (ink splashing during printing). If ink affixed on the surface of the print heads is cured, dot drop-outs may occur. Continued use of the product in this state may cause a failure that requires the replacement of the print heads.

While daily cleaning is important to prevent dot drop-outs, there are also three important points to check before printing. Be sure to check the three points given below.

1. You cannot use an object that easily reflects light as the object to be printed on (the media).

Materials that are likely to reflect the UV-LED lamp light, such as mirrors and stainless steel, promote the curing of the surface of the print heads and therefore cannot be used as the object to be printed on (the media).

2. Make the distance between the surface of the object to be printed on (the media) and the print heads as short as possible.

As the distance between the surface of the object to be printed on (the media) and the print heads increases, the likelihood of ink mist increases. When setting the height of the media manually, make the distance as short as possible. When the height is automatically set, the distance is about 1 mm (39.4 mil).

- "2. Setting the Height of the Media Automatically" (First Step Guide)
- "Setting the Height of the Media Manually" (P. 8)



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3. A jig might be required depending on the size and shape of the object to be printed on (the media).

Depending on the size and shape of the object to be printed on (the media), the distance between the object to be printed on (the media) and the print heads may increase, which will increase the likelihood of ink mist occurring. In the direction of print head movement, the object to be printed on (the media) or a jig must be present in the area 40 mm (1.6 in.) to both the right and left of the portion (width) of the data to be printed. In this situation, the difference in height between the surfaces of the object to be printed on (the media) and the jig must be less than 2 mm (78.7 mil).

- "2. Setting the Height of the Media Automatically" (First Step Guide)
- "Setting the Height of the Media Manually" (P. 8)
- "Height Settings When the Print Surface is Uneven" (P. 9)

When a jig is required:

- The object to be printed on (the media) is not large enough to spread over the area 40 mm to both the right and left of the portion (width) of the data to be printed.
- The variation in height of the surface of the object to be printed on (the media) is 2 mm or more.



There are conditions for the height settings when the surface of the object to be printed on (the media) has a height difference. For more information, refer to "Height Settings When the Print Surface is Uneven" (P. 9).

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You can save media settings in presets. If you save the settings of frequently used media, you can load them instantly and shorten the time required for configuring settings.

Saving the Current Media Setup with a Different Name

The following settings configured in the media setup can be saved as a preset. You can save up to 40 different presets.

- Height position of the media
- Print area (including the print-start location)

You can assign a name to each preset. Using media names for these presets may aid recognition.

Procedure

- **1.** Set up the media (height position, print area), and then check that [SETUP] is lit.
- 2. Press [MENU].
- **3.** Press [►], then [**V**].

PRESET	∢ ≑
SAVE	•

- **4.** Press [►].
- 5. Press [▲] or [▼] to select one option from NAME1 to NAME40.

SAVE	< ♦
NAME1	4

6. Press [ENTER].

The current "height position of the media" and "print area" settings are saved.

7. Press [▲] or [♥] to enter a character.

SET	NAME	∢ ≑
S_		L→

8. When you have selected the character you want to enter, press [►].

The characters you can enter are "A" through "Z," "0" through "9," and the "-" character. You can enter up to 15 characters, including spaces.

SET	NAME	∢ ≑ ►
SAMP	LE_	L⊅

- 9. Press [◄] or [►] to enter the next character. Enter the following characters in the same way.
- **10.** When you have finished entering text, press [ENTER].
- **11.** Press [MENU], then [◄] to go back to the original screen.

Load a Preset and Print

Load the settings saved in a preset and perform printing.

NOTE

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

Procedure

1. Press [MENU].

MENU	∢ ♦
PRESET	•

2. Press [►] twice.

LOAD	∢ ♦
DEFAULT	ل پ

3. Press [▲] or [♥] to select the name of the preset (settings) you want to load.

Select one of the 40 types of presets (when no names have been assigned, select from NAME1 to NAME40) or DEFAULT (DEFAULT is the factory defaults for each setting).

4. Press [ENTER].



Media setup is canceled ([SETUP] turns off).

5. Open the front cover, and then secure the media in place.

"1. Loading Media (Media Setup)" (First Step Guide)

6. Press [SETUP].

The loaded preset settings are displayed.

HEIGHT:000.0mm →

7. Press [ENTER].

W:508mm L:330mm H:100.0mm

MEMO

Every time you set up the media, you can set the print area (base position and range). For details, refer to "Setting the Print Area for Each Setup of Media" (P. 11).

8. Start printing.

Printing is performed with the loaded preset settings.

Make Fine Adjustments of Preset Settings and Print

You can change part of a preset and then perform printing.

For instance, you can change the print area only without changing the media height setting.

Procedure

- **1.** "Load a Preset and Print" (P. 7)Load a preset and fix the position of the media by following steps 1 to 7 of .
- **2.** If you want to change the height setting of the media, set the height of the media.
 - Steps 2 to 5 of "2. Setting the Height of the Media Automatically" (First Step Guide)
 - Steps 4 and 5 of "Setting the Height of the Media Manually" (P. 8)
- **3.** If you want to change the print area, set the print area.
 - "Changing the Print Area" (P. 12)
- **4.** Start printing.

Setting the Height of the Media Manually

Manually set the height of the media for printing.

Although the manual setting takes a little longer than the automatic setting because you need to visually set the height, it is suitable when you do not want the head gap sensor to come in contact with the media and when you want to set the distance between the heads and the media.

- * If the print surface is uneven, there is a limit to the area of unevenness.
- "Height Settings When the Print Surface is Uneven" (P. 9)

NOTE

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

Procedure

1. Secure the media in place on the flat table.

"1. Loading Media (Media Setup)" (First Step Guide)

2. Close the front cover.

SETUP MEDIA

3. Press [SETUP].

[SETUP] starts to flash.

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

Move the head gap sensor as close as possible to the print surface.

This step can be performed with the front cover open.

NOTE

8

Set the height of the table in a way that the highest position of the media (print surface) will not come into contact with the head gap sensor.



When the screen shown in the figure appears

AUTO DETECTION .

Press [ENTER] on this screen to start the automatic detection of the height. During automatic detection, the head gap sensor comes into contact with the media.

If you do not want to perform automatic detection, press [4] to return to the original screen.

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

6. When the location is set, press [ENTER].

Height Settings When the Print Surface is Uneven

This machine can also print on uneven surfaces. However, note the following points regarding the height setting.

The gap between the "highest position of the media" and the "lowest position of the print surface" should be 2 mm (78.7 mil) or less (as a general guide).



Printing on a surface that is perpendicular to the print heads is not possible.



Expanding the Distance between the Media and the Print Heads

When you set the height of the media automatically (First Step Guide), the distance between the media and the print heads is set to 1.0 mm (39.4 mil) with which optimum printing is performed. However, if the height (thickness) of the media on which printing is performed varies or when the media is lifted or warped during printing, the media might come into contact with the print heads.

You can expand the distance in advance considering the change of the height (thickness) of the media.

NOTE

- If the distance is expanded too much, the print quality may be deteriorated and the nozzles of the print heads may be clogged. Configure the settings so that the distance between the highest position of the media and the lowest position of the print surface is 2 mm or less (P.9).
- This setting is enabled when the height of the media is set automatically.
- "2. Setting the Height of the Media Automatically" (First Step Guide)

Procedure

- 1. Press [MENU].
- **2.** Press [**Y**] to display the screen shown below.

MENU	∢ ♦
SUB MENU	•

3. Press [►].

4. Press [**7**] several times to display the screen shown below.

SUB	MENU	∢ ♦
AUTO	DOWN	•

5. Press [►].

AUTO	DOWN	< ≑
0.0m	m → 1.	5mm ↓

6. Press [4] or [7] to set the distance between the media and the print heads.

You can adjust the distance in increments of 0.1 mm (3.9 mil).

AUTO DOWN	Distance between the media and the print heads	
0.0 mm (default setting)	1.0 mm (39.4 mil)	
:	:	
2.0 mm	3.0 mm (118.1 mil)	

7. Press [ENTER].

8. Press [MENU], then [4] to go back to the original screen.

Setting the Print Area for Each Setup of Media

Usually, when you set up the media, the print area and the base position from the previous setup are set. You can change them every time you set up the media.

Procedure

- 1. Press [MENU].
- **2.** Press [**Y**] to display the screen shown below.

MENU	∢ ≑
SUB MENU	•

3. Press [►] twice.

SET (AT S	ETUF	^{>}
ENABI	_E •	DISP	BLE∽

4. Press [▲] or [♥] to select a value.

SET AT SETUP	Explanation
DICADLE	Setup is performed using the print area of the previous setup.
DISABLE	The factory default print area is the full area (508 $ imes$ 330 mm [20 $ imes$ 13 in.]).
(default setting)	This setting is suitable when you always perform printing on media of a fixed size.
ENABLE	Set the print area (base position, width, and length of the print area) every time you set up the media.
	Select this value when the media shape changes for each printing operation.

5. Press [ENTER].

6. Press [MENU], then [◄] to go back to the original screen.

Changing the Print Area

In the factory defaults, the base position (home position) of the print area is at the right front of the flat table and the print area is the full area (508×330 mm [20×13 in.]).

The base position of the print area should be changed according to the shape of the media.

You can reduce the print time if you narrow (limit) the print area.

Determining the Base Position of the Print Area (Home Position)

Determine the home position used as the base to set the print area.

- 1. Press [MENU].
- **2.** Press [**V**] to display the screen shown below.

MENU	∢ ≑
SUB MENU	•

- **3.** Press [►].
- **4.** Press [**7**] to display the screen shown below.

SUB	MENU		∢ ≑
SET	BASE	POS.	•

5. Press [►].

SET	BASE	POS.	∢ ♦
LOWE	RR	LOWER	R₽

6. Press [▲] or [**V**] to select the base position.

SET BASE POS.	Print object
	Set the base position (home position) at the front right of the print area.
LOWER R	This method is appropriate when the print site is level and you can clearly specify the print area.
	"Setting the Print Area Using the Lower Right of the Media as the Base Position" (P. 13)
	Set the base position at the center of the media.
CENTER	This method is appropriate when clear specification of the print area is difficult or when the print site is curved or uneven.
	"Setting the Print Area Using the Center of the Media as the Base Position" (P. 14)

7. Press [ENTER].

MEMO

You can set the machine so that you will set the print area every time you set up the media. For details, refer to "Setting the Print Area for Each Setup of Media" (P. 11).

8. Press [MENU], then [4] to go back to the original screen.

Setting the Print Area Using the Lower Right of the Media as the Base Position

This is the print area setting method when the print site is level and you can clearly specify the print area.

MEMO

Print area setup can be performed with the front cover open. However, if the front cover is left open for approximately 40 seconds, the print heads automatically return to the home position. The previous menu is displayed, so repeat the operations.

NOTE

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

- 1. "SET AT SETUP" (P. 11)Set to "ENABLE."
- 2. "SET BASE POS." (P. 12)Set to "LOWER R."
- 3. Set up the media.
 - "STEP 2: Loading Media and Setting the Height" (First Step Guide)
- **4.** Press [▲], [♥], [◄], or [►] when the following screen appears.

SCAN:	000.0mm	
FEED:	000.0mm	Ł

The flat table moves to the rear, the print heads move to above the flat table, and the laser pointer turns on.

5. Press [▲], [▼], [◄], or [►] to move the laser pointer until it points to a position to the right foreground of the print area.



6. Press [ENTER].

The print heads return to the home position.



MEMO

When the media comes into contact with the head gap sensor, the screen shown below appears and the setup is canceled. Perform operations again from "2. Setting the Height of the Media Automatically" (First Step Guide) or "Setting the Height of the Media Manually" (P. 8).



7. Press [▲], [♥], [◄], or [►].

The flat table moves to the front and the print heads move to the left side of the flat table.

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8. Press [▲], [♥], [◄], or [►] to move the laser pointer until it points to a position to the inner left of the print area.

MEMO

For a test print, set "WIDTH" to 80 mm (3.2 in.) or more and "LENGTH" to 70 mm (2.8 in.) or more. An error will occur and test prints cannot be performed if the area is smaller than this.



9. Press [ENTER].

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

The print area is specified. The print heads return to the home position.

Make sure the "W" (width), "L" (length), and "H" (height) values on the menu screen are as intended.

W:508mm L:330mm H:100.0mm

MEMO

If you want to use the print area specified here for the next printing operation, switch "SET AT SETUP" (P. 11) to "DISABLE." With this setting, you can set up the media without setting the print area and base position.

Setting the Print Area Using the Center of the Media as the Base Position

This is the print area setting method that is appropriate when printing on media for which it is difficult to clearly specify the print area or when the print site is curved or uneven.

MEMO

Print area setup can be performed with the front cover open. However, if the front cover is left open for approximately 40 seconds, the print heads automatically return to the home position. The previous menu is displayed, so repeat the operations.

NOTE

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

Procedure

- 1. "SET AT SETUP" (P. 11)Set to "ENABLE."
- 2. "SET BASE POS." (P. 12)Set to "CENTER."
- **3.** Set up the media.
 - "STEP 2: Loading Media and Setting the Height" (First Step Guide)

4. Press [▲], [♥], [◄], or [►] when the following screen appears.

SCAN	:	000.	Ømm	
FEED	:	000.	Ømm	Ł

The flat table moves to the rear, the print heads move to above the flat table, and the laser pointer turns on.

5. Press [▲], [▼], [◄], or [►] to move the laser pointer until it points to the center position of the area you want to print.



6. Press [ENTER].

The print heads return to the home position.



MEMO

When the media comes into contact with the head gap sensor, the screen shown in the figure appears and the setup is canceled. Perform operations again from "2. Setting the Height of the Media Automatically" (First Step Guide) or "Setting the Height of the Media Manually" (P. 8).



7. Press [A] or [V] to enter the length of the area you want to print.

8. Press [◄] or [►] to enter the width of the area you want to print.

MEMO

For a test print, set "WIDTH" to 80 mm (3.2 in.) or more and "LENGTH" to 70 mm (2.8 in.) or more. An error will occur and test prints cannot be performed if the area is smaller than this.

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

10. Press [ENTER].

The print area is specified. The print heads return to the home position.

Make sure the "W" (width), "L" (length), and "H" (height) values on the menu screen are as intended.

W:508m	m L:	330mm
H:100.	Ømm	

MEMO

If you want to use the print area specified here for the next printing operation, switch "SET AT SETUP" (P. 11) to "DISABLE." With this setting, you can set up the media without setting the print area and base position.

Specifying the minimum print area enables print time reductions

Set "FULL WIDTH S" to "PRTAREA" to narrow the width in which the print heads move, which reduces the print time.

"Reducing Output Time" (P. 22)

Example of good settings

the print area is



Example of bad settings

minimized.

The print area has a lot of unnecessary blank areas.



This function is effective when the print area or output data has a small width.

When the laser pointer is difficult to see

Depending on the material used on the media, such as transparent media and high-gloss media with dark color used on the print surface, the laser pointer may be difficult to see. In such cases, the laser pointer may become more visible by placing masking tape on the print surface or on the back.

Check the Print Area

After you change the print area, you can check whether the print area has been set as intended.

- **1.** Press [FUNCTION].
- 2. Press [V] to display the screen shown below.

FUNCT	ION	∢ ♦
PRINT	AREA	•

3. Press [►].

PRINT AREA	∢ ≑
PREVIEW	ل ہ

4. Press [ENTER].

The laser pointer displays the print area that has been set.



5. Press [FUNCTION].

The display returns to the original screen.

Maintaining Print Quality

Preventing Soiling and Dot Drop-Out by Cleaning during Printing

In the following cases, ink tends to collect on the surface of the heads. Under some conditions, this ink may be transferred to the media or cause dot drop-out.

- When you use media prone to static electricity buildup.
- When the ambient temperature is low.
- When the variation in the unevenness on the print surface is high (there is a limit to the unevenness of the print surface).
- "Height Settings When the Print Surface is Uneven" (P. 9)

Use of the periodic cleaning function enables you to perform printing by removing the ink buildup before or during printing.

Procedure

- **1.** Press [MENU].
- 2. Press [V] to display the screen shown below.

MENU	∢ ♦
SUB MENU	•

- **3.** Press [►].
- **4.** Press [♥] several times to display the screen shown below.

SUB	MENU	∢ ≑
PERI	ODIC CL.	•

5. Press [►].

PERIOD	IC	CL.	∢ ♦
NONE	►	10mi	n⊦

6. Press [▲] or [♥] to select a value.

PERIODIC CL.	Explanation
Page	Automatic cleaning is performed every time before printing starts.
5 min to 990 min	Cleaning is performed during printing when the cumulative printing time reaches the value you set here. The color may become uneven because the printing is paused.
NONE (default setting)	Cleaning during printing is not performed.

MEMO

Using "PAGE" or a value from "5 min" to "990 min" results in longer printing times.

7. Press [ENTER].

8. Press [MENU], then [◄] to go back to the original screen.

Reducing Print Quality Degradation from Ink Mist (Ink Spatter)

Under some conditions (such as low temperature or when a static charge is likely), a greater amount of ink mist (ink spatter during printing) may be produced and adversely affect the print quality. In these cases, you may be able to alleviate the symptom by lowering the rotation of the carriage fan.

Procedure

- 1. Press [MENU].
- 2. Press [V] to display the screen shown below.

MENU	∢ ≑
SUB MENU	•

3. Press [►].

4. Press [**Y**] several times to display the screen shown below.

SUB	MENU	∢ ♦
MIST	CATCHER	•

5. Press [►].

MIST	CATCHER	∢ ♦
OFF	►LOW	ل ہ

6. Press [▲] or [♥] to select a value.

MIST CATCHER	Explanation	
HIGH	Rotates the carriage fan at high speed.	
(default setting)		
MIDDLE	Rotates the carriage fan at middle speed.	
LOW	Rotates the carriage fan at low speed.	
OFF	Stops the carriage fan.	

- **7.** Press [ENTER].
- 8. Press [MENU], then [◀] to go back to the original screen.

Description

Whether the symptom can be alleviated depends on the temperature and media type. Be sure to check the print status as you adjust the setting.

However, the purpose of the carriage fan is to prevent ink buildup on the print heads. Lowering its rotation will lead to more dot drop-outs. This means, if you specify "MIDDLE," "LOW," or "OFF," you should perform normal cleaning more frequently. The "PERIODIC CL." (P. 17) setting is also effective against dot drop-outs.

- "STEP 3: Printing Tests and Normal Cleaning" (First Step Guide)
- "Preventing Soiling and Dot Drop-Out by Cleaning during Printing" (P. 17)

Re-Curing Ink

When the ink is not completely cured after printing is complete, cure the ink by illuminating it once again with the UV-LED lamp.

A characteristic of UV ink is that it cures quickly when exposed to light from the UV-LED lamp, but curing may be difficult for materials that absorb ink like cloth. This function may alleviate this symptom.

MEMO

- This function cannot be used if media setup has been canceled ([SETUP] is off).
- The UV-LED lamp illuminates the print area configured in media setup.
- The effect depends on the media material.

Procedure

- **1.** Press [FUNCTION].
- 2. Press [♥] several times to display the screen shown below.

FUNCTION	∢ ♦
UV SCANNING	Ļ

3. Press [ENTER].

The print heads move, and the print area is illuminated by the UV-LED lamp.

MEMO

You can stop the operation by pressing [ENTER] while operation is in progress.

Т	0	СА	NC	EL	7	
	PR	ES	S	EΝ	TER	KEY

Continuing Printing Even If Media Comes into Contact with the Head Gap Sensor

This setting allows the height to be readjusted automatically to continue printing even when the media moves out of position or lifts up and comes into contact with the head gap sensor during printing.(*)

This function is effective when using media that cannot be reprinted on.

Procedure

- 1. Press [MENU].
- **2.** Press [**V**] to display the screen shown below.

MENU	∢ ≑
SUB MENU	•

- **3.** Press [►].
- **4.** Press [**Y**] several times to display the screen shown below.

SUB	3 MENU		♦
CLE	EARANCE	MODE	►

5. Press [►].

CL	Е	Α	R	Α	Ν	С	Е	Μ	0	D	Е	◀	\$	
СА	Ν	С	E	L			RE		Α	D	J	=	┙	

6. Press [▲] or [♥] to select "RE-ADJ."

C L E A R A N C E MODE	Explanation
RE-ADJ	The height is readjusted and print- ing continues even when the media comes into contact with the head gap sensor during printing.
CANCEL (default setting)	Printing and setup will be canceled when the media comes into contact with the head gap sensor during printing.(**)

- **7.** Press [ENTER].
- 8. Press [MENU], then [◄] to go back to the original screen.

Description

When the height is readjusted automatically and printing continues, the height setting is changed. Therefore, the print quality may be changed. Hence, proper printing requires that the media be secured properly before printing to keep it from moving out of position or lifting up.

- I. Loading Media (Media Setup)" (First Step Guide)
- "2. Setting the Height of the Media Automatically" (First Step Guide)
- "Setting the Height of the Media Manually" (P. 8)

At the time when the height is readjusted automatically, the head gap sensor comes into contact with the media.

Even if "RE-ADJ" is selected, printing and setup will be canceled int he following cases. (**)

- When the flat table descends 10 mm (0.4 in.) or more during automatic readjustment
- When the media comes into contact with the head gap sensor during automatic readjustment, even if the flat table has moved to the bottom

(*) For more information on operation after printing is finished, refer to "READJUST TABLE HEIGHT" (P. 63).

(**) For more information on operation after printing is canceled, refer to "CANCELED FOR TABLE HEIGHT" (P. 64) and "CHECK TABLE HEIGHT" (P. 64).

Continuously Outputting Print Data

When multiple print data entries are sent at a time from the computer, the print data entries can be output in a row.

Procedure

- 1. Press [MENU].
- **2.** Press [**V**] to display the screen shown below.

MENU	∢ ♦
SUB MENU	•

- **3.** Press [►].
- **4.** Press [**▼**] several times to display the screen shown below.

SUB	MENU	∢ ♦
	CONTINUE	►

5. Press [►].

PRT	CON	T	ΙN	UE	•	\$
ENAB	LE		DI	SA	BLE	L.

6. Press [▲] or [♥] to select "ENABLE."

PRT CONTINUE	Explanation
ENABLE	Select this setting when you want to output multiple data entries in a row without replacing the media. This function is useful when you want to overlay multiple images on a single piece of media.
DISABLE	Even when multiple data entries are sent at a time from the computer, they are not output in a row and the screen shown below appears when one data entry is output.
(default setting)	FINISHED PRINT
	If you want to replace the media for each print data entry, select "DISABLE."

- 7. Press [ENTER].
- 8. Press [MENU], then [◄] to go back to the original screen.

Description

When "DISABLE" is selected and this screen is displayed, no data is accepted from the computer.



Press [ENTER] to return to the screen shown below, at which point it will be possible to once more accept data from the computer.



Reducing Output Time

The output time is reduced by restricting the operating range of the print heads. This function is effective when the print area or output data has a small width.

Procedure

- 1. Press [MENU].
- **2.** Press [**Y**] to display the screen shown below.

MENU	∢ ♦
SUB MENU	•

- **3.** Press [►].
- **4.** Press [**Y**] several times to display the screen shown below.

SUB	MENU	∢ ♦
FULL	WIDTH S	•

5. Press [►].

FULL	WIDTH	S (+
FU		OFF ↓

6. Press [▲] or [♥] to select "PRTAREA" or "OFF."

FULL WIDTH S	Explanation
PRTAREA	"PRTAREA" adjusts the operating range of the print heads to the preset print area.
OFF	"OFF" matches the range of print head movement to the output data. Movement is limited to the minimum amount necessary, and this can be expected to yield the fastest output. When this func- tion is used, the time needed for the ink to cure is not constant, and an uneven color may result.
FULL (default setting)	"FULL" makes the speed of media movement constant at all times and produces the most stable output result.

MEMO

For output data whose width gradually narrows (e.g., an inverted triangle), even if "FULL WIDTH S" is set to "OFF," the movement of the print heads may not match the output data. This is to prevent ink-curing failures caused by the print position and is not a malfunction.

7. Press [ENTER].

8. Press [MENU], then [◄] to go back to the original screen.

Specifying the minimum print area enables print time reductions

Specify the print area to the minimum necessary. This restricts the range of the print head movement, which reduces the print time.



Setting the Menu Language and the Units of Measurement

This sets the language and units of measurement displayed on the operation panel screen.

Procedure

- **1.** Hold down [MENU] and switch on the sub power.
- 2. Press [▲] or [▼] to select the display (menu) language.

MENU	LANGUAGE	\$
JAPAN	ESE	Ļ

MENU LANG	UAGE	Explanation
ENGLISH setting)	(default	English
JAPANESE		Japanese

3. Press [ENTER].

LENGTH	UNIT	\$
mm	▶ INCH	Ļ

4. Press [▲] or [♥] to select the measurement unit for length.

LENGTH UNIT	Explanation
mm (default setting)	In millimeters (mm)
INCH	In inches (in.)

5. Press [ENTER].

TEMP.	UNI	Т	\$
°C	•	۹F	Ļ

6. Press [▲] or [**V**] to select the measurement unit for temperature.

TEMP. UNIT	Explanation
°C (default setting)	In Celsius
°F	In Fahrenheit

7. Press [ENTER].

Setting the Activation Interval for Sleep Mode (Power-saving Feature)

This feature sets the time that must elapse with no operations performed in order to activate the sleep mode when the sleep mode SETTING (P.24) has been set to "ENABLE."

Procedure

- 1. Press [MENU].
- 2. Press [V] to display the screen shown below.

MENU	∢ ♦
SUB MENU	•

3. Press [►].

4. Press [**A**] several times to display the screen shown below.

SUB	MENU	∢ ≑
SLEE	P	•

5. Press [►] twice.

INTERVAL	∢ ≑
15min →	15min ↓

6. Press [▲] or [♥] to select the appropriate time.

INTERVAL	Explanation
15 min, 30 min (default setting), 45 min, 60 min, 75 min, 90 min, 105 min, 120 min	The time that must elapse with no operations per- formed in order to activate the sleep mode.

- 7. Press [ENTER].
- 8. Press [MENU], then [◄] to go back to the original screen.

DeactivatingtheSleepMode (Power-saving Feature)

The machine switches to sleep mode when no operations are performed for a certain period of time. You can disable the sleep mode.

Procedure

- 1. Press [MENU].
- 2. Press [V] to display the screen shown below.

MENU	∢ ♦
SUB MENU	•

- **3.** Press [►].
- **4.** Press [▲] several times to display the screen shown below.

S	U	В		Y	Е	ŀ	l		∢	\$
S		Е	E	P	•					

5. Press [►], then [**V**].

SLEEP	∢ ≑
SETTING	•

6. Press [►].

SETT	ING		∢ ≑
ENAE	LE	DISABL	E≁

7. Press [▲] or [♥] to select "DISABLE."

SETTING	Explanation
ENABLE (default setting)	The sleep mode is acti- vated after a certain period of time.
DISABLE	The sleep mode is not activated.

- 8. Press [ENTER].
- **9.** Press [MENU], then [◄] to go back to the original screen.

Returning All Settings to Their Factory Default Values

This menu returns all settings to their factory default values. However, the settings for "MENU LANGUAGE," "LENGTH UNIT," and "TEMP. UNIT" are not returned to their factory default values.

Procedure

- 1. Press [MENU].
- 2. Press [V] to display the screen shown below.

MENL		∢ ♦
SUB	MENU	•

- **3.** Press [►].
- **4.** Press [**▼**] several times to display the screen shown below.

SUB	MENU		∢ ≑
FACT	ORY	DEFAUL	T₊I

5. Press [ENTER].

SETUP MEDIA

Determining What Happens When Ink Runs Out

This menu lets you select the operation that takes place when an ink cartridge becomes empty during printing.

Procedure

- 1. Press [MENU].
- **2.** Press [**V**] to display the screen shown below.

MENU	∢ ≑
SUB MENU	•

3. Press [►].

4. Press [▲] twice.

SUB	MENU	∢ ≑
INK	CONTROL	•

5. Press [►] twice.

EMPTY	MODE	∢ ♦
STOP	►CONT.	₊

6. Press [▲] or [♥] to select a value.

EMPTY MODE	Explanation	
STOP (default setting)	Printing is paused immedi- ately when an ink cartridge becomes empty.	
CONT.	A warning beep goes off when an ink cartridge becomes empty. Printing continues until all the print data that this machine has received is output. In this case, you can pause print- ing by pressing [PAUSE].	

- 7. Press [ENTER].
- 8. Press [MENU], then [◄] to go back to the original screen.

Description

When "STOP" is selected, printing pauses, so colors may be uneven. To prevent uneven colors, ensure that a sufficient amount of ink remains before you begin printing.

When "CONT" is selected, printing does not stop even if ink runs out completely. To replace the cartridge, wait until printing ends or press [PAUSE] to pause printing.

Viewing Information about the System of This Machine

For information on how to set up a network, refer to "STEP 8: Network Settings" (First Step Guide).

Procedure

1. Press [MENU].

2. Press [**A**] several times to display the screen shown below.



You can check the following information:

Parameter	Explanation	
MODEL	Model name	
SERIAL NO.	Serial number	
Ink	Ink type	
FIRMWARE	Firmware version	
Network	Network settings such as the IP address	



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