

CT-304

DRIVER MANUAL

Thank you very much for purchasing the CT-304.

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Roland DG Corporation

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NOTICE : Indicates information to prevent machine breakdown or malfunction and ensure correct use.



: Indicates a handy tip or advice regarding use.

Getting Started

This document is the user's manual for the CT-304 driver for Windows on IBM PC-compatible computers.

First Make the Setting

Refer to the table below and make the settings for plotter functions.

Plotter	Function	Setting value
CT-304	RS-232C communication parameters Command origin point	Data length: 8 bits CENTER

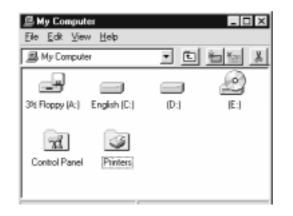
Chapter 1 Installing the Driver

Installing the Driver

Windows 95/98/Me

(1) Start Windows 95,98 or Me. The following screens are for Windows 98.

(2) Double-click the [My Computer] icon. The [My Computer] window appears.



(3) Double-click the [Printers] icon. The [Printers] folder opens.

Printera	_ 🗆 X
Elle Edit View Help	
Printers	- E X B
Add Printer	*
4	

NOTICE If an older version of the driver is already installed, then delete it and restart Windows.

(4)Double-click the [Add Printer] icon. The [Add Printer Wizard] window appears. Add Printer Wizard This wiserd will help you to instell your printer quickly and easily. To begin installing your printer, click Next. < <u>B</u>ack Next > Cancel (5) Click Nest> 6 Select a [local printer], then click Add Printer Wizard How is this printer attached to your computer? If it is directly attached to your computer, click Local Printer, If it is attached to another computer, click Network Printer If Local printer C Network printer Next > Cancel < Back (7)Insert the disk, then click Have Disk...

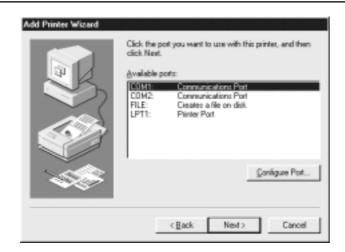
Add Prin	ter Wizard		
ý		and model of your printer. If your pr lave Disk. If your printer is not lister onpatible printer.	
Manufac Apple AST AT&T Brother Bull C-Itoh C-Itoh	1	Bintess Apple Losef-Writer II NT Apple Losef-Writer II NT Apple Losef-Writer II NTX Apple Losef-Writer II NTX Apple Losef-Writer II g Apple Losef-Writer II g Apple Losef-Writer Plus	▲ ■ Harve Disk.
		<back next=""></back>	Cancel

\bigcirc		
8	Click the name of the plotter you're using to highlight the selection, then click	Next> .
	You can select only one plotter at a time.	

I all	Click the merufacturer and model of your printer. If your printer came with an installation disk, click Have Disk. If your printer is not listed, consult your print documentation for a compatible printer.
Binters	
Holand	ICT 504
	Harve Disk
	< Back Next> Cancel

(9) Choose the output port, then click Next > .

NOTICE Be sure to select the port where the plotter is connected.



(10)

Enter the printer name. You can change the printer name.

If you need, select "Yes" or "No" to use it as the default printer.

	Printer name:
	Foland CT-304
	Do you want your Windows-based programs to use this printer as the default printer?
1000	⊂ Xer
	@ No

(11)

Click Frish.

Copying of the driver starts. When copying finishes, the driver is added to the [Printers] folder.



Windows NT 4.0/2000

- (1) Start Windows NT 4.0/2000. The following screens are for Windows NT 4.0.
- (2) Double-click the [My Computer] icon. The [My Computer] window appears.



(3) Double-click the [Printers] icon. The [Printers] folder opens.



- **NOTICE** If an older version of the driver is already installed, then delete it and restart Windows.
- (4) Double-click the [Add Printer] icon. The [Add Printer] window appears.

5	Select [My computer], then click Next >	
	This witcod helps you indiconnections. This printer connections. This printer Connections. This printer Connect to a printer on a	ed and configured on this
(6)	Choose the output port, then click	Next> Cancel

NOTICE Be sure to select the port where the plotter is connected.

N K			
	Port	Description	Printer 🔺
	LPT1:	Local Port	
	LPT2	Local Port	
	LPT3:	Local Port	
	COM1:	Local Port	
	C0M2:	Local Port	
	COM3	Local Port	-
	Add Port.	.	Configure Port
	Enable printe	r pooing	

 Insert the disk, then click
 Have Disk...

 Add Printer Wiscard

 Image: Second Se

anulacturen: opple JPS-PS JST TET Inother ball	-	Binters AGFA-AccuSet AGFA-AccuSet AGFA-AccuSet AGFA-AccuSet AGFA-AccuSet AGFA-AccuSet	5F v52.3 800 8005F v52.3 8005F v2013.10 1000	<u>ا</u>
	_			Have Disk
		< Back	Next >	Cancel

8 Click the name of the plotter you're using to highlight the selection, then click You can select only one plotter at a time.

Add Prin	Rer Wizard
Í	Click the manufacturer and model of your printer. If your printer came with an installation disk, click Have Disk. If your printer is not listed, consult your printer documentation for a compatible printer.
Brinters: Roland	ICT-304
	Have Dick
	< Back Next > Cancel

(9) You can change the printer name.Enter the printer name, then click Need> .

Type in the name of this printer. When you have finished, click Next.
Note: Exceeding 31 characters in the Server and Printer name combination may not be supported by some applications.
Etinter name: Roland CT-304

(10) Select "Shared" or "Not shared" for sharing the printer on the network, then click

	Indicate whether this printer will be shared with other network users. If you choose sharing give this printer a share name.
	C Shared @ Ngt shared Share Name:
Ì	Select the operating systems of all computers that will be printing to this printee.
1	Windows NT 4.0 Alpha Windows NT 4.0 PPC Windows NT 3.5 or 3.51 x86

(11)

Click Free.

Copying of the driver starts. When copying finishes, the driver is added to the [Printers] folder.

81 Printers	
Elle Edit View	Help
3	۵
Add Printer	Roland CT-304
2.11.10	
2 object(s)	li.

Chapter 2 Driver Settings

What to Do First

Making the Settings

(1) For Windows 95/98/Me

- (1) Go into the [Printers] folder and select the plotter.
- (2) Right-click to display the menu, then select [Properties] to make it possible to make the settings for various materials.

(2) For Windows NT 4.0/2000

- (1) Go into the [Printers] folder and select the plotter.
- (2) Right-click to display the menu, then select [Document Defaults] (Windows 2000 : [Printing Preferences] to make it possible to make the settings for various materials. Select [Properties] to make it possible to make other settings for the device.

Cutting Page

Settings related to cutting are made on this page.

Roland CT-304 Propertie	4 Y X	
General Details Cutting		
Fom> A4 Potrak W: 210	Paper	_ a
L: 297 Scale> 100 Rotate> 0ff	C Eostrak ABC C Landscape	— b
Minoo Off	User size	— c
NGL-IIc DPI> 360	Scaling Minor	— d
Mode-> Plotter	Bescheiten	— e
	Rgsolution 360dpi	— f
	OK Cancel 6009	

a. Form : From the list, choose the size of the material loaded on the plotter or a material size recognized by the program.

b. Orientation : Select either "Portrait" or "Landscape" as the orientation of the plot on the material.

c. Rotate : Make the setting for the orientation of material placement.

On	:	Landscape
Off	:	Portrait

d. Scaling : You can enter the scale you want.

f. Mirror : Selecting "Mirror" performs mirror image printing.

e. Resolution : Set the driver resolution. -180 x 180 dpi -360 x 360 dpi -720 x 720 dpi

- When cutting quality is too coarse, or when cutting small text, select 720 x 720 dpi.

- Selecting 180 x 180 dpi makes it possible to use 2 m material with Adobe Illustrator.

- Depending on the type of operating system, one or more selections may not be available.

Etc Page

. 0,0,0 2 255.0.0	Pen6 Pen6	Auto Auto	Auto Auto	Auto Auto	9
1 0,295,0	Pen6	Auto	Auto		-
Color Calar	PenNo.	Speed		Acc Auto	.
undefine color.	Auto <u>*</u>			Default	

This page is used to make other settings. You can also use it to view the version information.

a. Printing conditions

-Priority-Plotter

- On : The plotter's pen No. is assigned to the displayed color, and the settings for the pen's speed, pressure, and acceleration are made.
- Off : The plotter's pen No. is assigned to the displayed color. The settings made on the plotter are used for the cutting conditions.

-Only No. 1 condition is used

- On : Printing is performed using the conditions for No. 1 in the list of all colors.
- Off : Printing is possible using a pen No. and cutting conditions that are changed for each color.
- -Color Use RGB values to make the settings for the drawing colors set by the program. Settings for 32 types are possible.

NOTICE If the RGB values cannot be determined, refer to the RGB values in the Output in Progress dialog.

-Pen No	This makes the setting for the plotter pen No. corresponding to the color.
-Speed	When 0 is selected, the setting on the plotter is used. The setting range is as shown below.
	CT-304 : 1 to 50 cm/sec.
ч <i>у</i>	When 0 is selected, the setting on the plotter is used. The setting range is from 1 to 5,000 g. The setting depends on the specifications of the head installed in the plotter.

NOTICE The pressure resolution varies from one head to another. Perform test cutting to determine the proper setting.

-Acc (acceleration)... When Auto is selected, the setting on the plotter is used. The setting range is 0.1 to 0.5 G.

-Undefined color

Pass Auto 1 through 32	:	The color is not printed. Printing uses the immediately previous printing conditions (pen). Printing uses the conditions for the specified number in the list.
-Default	T	The printing conditions in the list are used as the default.

-All Initial... This returns settings to the values they had just after installation and setup. Selecting this displays a prompt.

-Print This creates ROLAND.TXT in the spool folder and displays it using the program associated with text (*.TXT) files.

Settings for Windows NT 4.0/2000

Device Settings Page



For descriptions of settings, refer to "Etc Page" for the respective plotter.

Long Size Settings Page (Supported only Windows NT 4.0)

- (1) Open the [Printers] folder.
- (2) From the [File] menu, select [Server Properties].

(3) From among the [Forms on] selections.

🧬 Print Server Properties 🛛 🖬 🖸
Fomo Porto Advanced
Forms on: eee
10014 11117 6 3/4 Envelope A0
Earn Description for: 10x14
Deate a New Form Define a new form by edding the existing name and measurements. Then click Save Form.
Measurements: Units: C Metric: IF English
Paper Size: Printer Assa Margine: Width: 10.00in Left: 0.00in Top: 0.00in Height: 14.00in Bidth: 0.00in Bottom: 0.00in
Save Form
0K Cancel

Enter the width and height (length) of the roll material loaded on the plotter.
 At Paper Size, under "Width" and "Height", enter the width and height (length) of the roll material loaded on the plotter.
 For detailed information, see Help.

Enter values that are not more than the user-defined material size for the respective plotter. NOTICE

(5)

Click

The long-size settings are made.

0K

Other Dialogs

Use Size Form

You can make the settings for up to four types of user-defined material sizes. The maximum values are limited by the resolution of CT-304.

360 dpi : 2,000 mm 720 dpi : 1,155 mm 254 dpi : 3,276 mm 508 dpi : 1,638 mm 400 dpi : 2,080 mm

The entered length and width apply to "portrait" orientation. Clicking Default returns the values to their defaults.

User size Form			×
Plotter: CT-304			
User size Form-	Length	Width	0K
IUserSize1=	1200	900	Cancel
IUserSize2+	1200	900	Default
IUserSize3+	1200	900	
IUserSize4+	1200	900	чD
Bange	Length 50-	1200	
	Width 50-	900 /mm	
			-

Output in Progress Dialog

This displays information such as the percentage of plotter commands output from the driver to the spooler.

-Plotter processing

Roland CT-3	04				
-Printing-	C_Line: 0 G_Line: 0 Fit: 106			Name: Pri	inter Test Page
	Text: 28 Bitmap: 0 Paint 0 RGB: 0	0	0	1Page	0K

-The Sending dialog during plotter processing

During plotter processing, the completion time cannot be estimated, so the number of elements processed by the driver is displayed.

C_Line	:	Number of 1-bit line segments		
G_Line	:	Number of thick-line elements		
Fill	:	Number of filled multi-sided shapes		
Text	:	Number of text strings		
Bitmap	:	Number of bitmaps		
Paint	:	Number of filled rectangles		
RGB valu	les	 This displays the RGB values for colors recognized by the driver. The RGB values of the program and driver match when a full-color palette is used, but may not match when a 256- or 16-color palette is used. Set the RGB values recognized by the driver to colors on the Pen page. 		
<usage></usage>	ł	Here, use the program to print a single line segment in an unknown color to investigate the RGB values		

Version Information

recognized by the driver.

URL : Clicking this calls up the Roland DGA website in the default browser.

CT-304 Driver	×
	Windows 95/98/Me
	Version 1.7(2001/02/19)Test2 Culter
	0K http://www.rolanddga.com

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