TM-C3500 Series



BarTender Barcode Printing Manual

M00077100 Rev. A

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This manual explains the settings for using BarTender to print out bar codes with TM-C3500 series (TM-C3500/ TM-C3510/ TM-C3520).

When using BarTender to print out bar codes, the scale of the bar width and space width might change as shown below, making the bar code difficult or even impossible to read with a scanner. Therefore, first you will need to optimize the printer information for BarTender, and then set the bar code object to the recommended minimum values.

(page 2)

Example: For Code128 Type C

Barcode printed out with initial settings



606879

Optimizing printer information

• BarTender Ver.9.20 or later (page 2)

• BarTender Ver.9.10 or earlier (page 4)

□ Barcode Object settings (page 6)

- Barcode (page 6)
- 2D symbol of stack type (page 8)
- 2D symbol of matrix type (page 9)

Caution:

After optimizing the printer information, set the Barcode Object. You might not be able to set the recommended minimum value for the Barcode Object.

Barcode after resetting values



Optimizing printer information

Install the TM-C3500, and then make the following settings. The optimization method varies according to the BarTender version.

BarTender Ver.9.20 or later

Install the TM-C3500 printer driver on the computer.

2

Set the printer driver according to the customer's usage conditions.

1	×						
	Naintenance And Utilities						
	Fa <u>v</u> orite Setting	Current Settings	Save As Eavorite Setting				
	└── Print Settings						
	Media <u>T</u> ype	Matte Label					
	Print Quality S	peed	Quality				
	6	Automatic O Advanced Advar	iced				
Printer driver settings Printer Resolution							
	Printer driver	settings	Printer Resolution				
Mec	Printer driver dia Type	settings Print Quality	Printer Resolution (dpi)				
Mec Plai	Printer driver dia Type n Media	settings Print Quality	Printer Resolution (dpi)				
Mec Plain Plain N	Printer driver dia Type n Media 1edia Label	settings Print Quality Speed	Printer Resolution (dpi)				
Mec Plain Plain M	Printer driver dia Type n Media 1edia Label	Speed Speed	Printer Resolution (dpi) 360				

- **2** Click (OK) to exit the printer driver settings.
 - Start BarTender.
- Use the New Label Format Wizard to set the media type.At that time, correctly select the printer you are using in (Printer Selection).
- 6 Select (Advanced Printer and Driver Setup) in the (Administer) menu to open the (Advanced Printer and Driver Setup).

7 Select the printer you are using, and then confirm that the Dot Size is set to the recommended value. See the table below.

If it has been set to the recommended value, proceed to Step 10. If it has not been set to the recommended value, proceed to Step 8.

Printers	Printer Print Techno Dot Size (int	Default Settings	ed):]	
			Dot Size		
	Horizon	tal Ver			
		360	360	4.2	4.2
Resolution	Dot Siz	e (mils)			
(dpi)	Horizontal	Verti	cal		
0/0	4.0	4	0		



Add a checkmark to (Override Default Settings).

Printers	Printer Print Technology:	-C3500 ttings kjet	•	
	Dot Size (including ink	(spread):		
	Dot Size (including ink Resolution	on	Dot S	ize
	Dot Size (including ink Resolution Horizontal	on Vertical	Dot S Horizontal	ize Vertical



Printers	Settings for B	EPSON TM	C3500		
EPSON TM-C3500	Printer Print Techn Dot Size (ir	Default Set	ings jet spread):	•	
		Resolutio	on	Dot S	ze
	Horizo	Horizontal Vertical		Horizontal	Vertical
		360	360	4.2	4.2
Resolution	Dot Siz	:e (mi	ls)		
(dpi)	Horizontal	V	ertical		

10^{Click the (OK) button.}

This completes the BarTender optimization settings.

BarTender Ver.9.10 or earlier

Install the TM-C3500 printer driver on the computer.

Set the printer driver according to the customer's usage conditions.

General 🛞 Page Lay	設定 out 😭 Driver Utilities 🙀 M	aintenance And Utilities
Fa <u>v</u> orite Setting	nt Settings	▼ Save As <u>F</u> avorite Setting
Print Settings Media <u>T</u> ype Matte	e Label	
Print Quality Speed	tomatic C A <u>d</u> vanced Advanced	Quality
Printer driver se	ettings	Printer Resolution
Printer driver se Media Type	ettings Print Quality	Printer Resolution (dpi)
Printer driver se Media Type Plain Media	ettings Print Quality	Printer Resolution (dpi)
Printer driver se Media Type Plain Media Plain Media Label	ettings Print Quality Speed	Printer Resolution (dpi)
Printer driver se Media Type Plain Media Plain Media Label	ettings Print Quality Speed Speed	Printer Resolution (dpi) 360

Click (OK) to exit the printer driver settings.

Use Notepad to open the btwprn.ini file that was created when BarTender was installed. The save location for btwprn.ini is shown below.

- Windows XP/ Windows Server 2003 : C:\Documents and Settings\All Users\Application Data\Seagull\BarTender
- Windows Vista/ Windows 7/ Windows Server 2008 : C:\ProgramData\Seagull\BarTender

🗿 btwpm - Notepad			x
<u>E</u> ile <u>E</u> dit F <u>o</u> rmat <u>V</u> iew <u>H</u> elp			
BTWPRN.INI - BarTender Printer Settings			
The purpose of this file is to inform BarTender of printer character that are otherwise impossible to determine from the system.	isti	ics	E
There is also a section to increase font mapping penalties.			
; This section specifies model-name prefixes that will indicate to Ba ; that the printer is a thermal printer. When BarTender is working win ; thermal printer, it automatically calculates an appropriate dot siz ; more information on dot size, see the comments above the [Printer] :	Tenc tha 2. Fo secti	der or i on.	

Refer to the following then edit and overwrite the file as necessary.

Caution:

- The EPSON TM-C3500=" remark in the btwprn.ini file is added when the TM-C3500 printer driver is installed.
- Edit only the locations enclosed in a red frame.

🗍 btwpm - Notepad	x
<u>Eile Edit Format View H</u> elp	
; 600 DPI, this entry tells BarTender the dot size for both resolutions. ; The first two numbers specify the horizontal and vertical dimensions of the dot at 300 dpi, and the second two specify the dimensions for 600 dpi.	*
[Printer] EPSON TM-C3500=42	

This completes the BarTender optimization settings.



Barcode Object Settings

Set the Barcode Object created in BarTender according to the customer's usage conditions, using the values shown below.

Caution:

Before setting the Barcode Object, make sure that the printer information has been optimized. You might not be able to set the recommended minimum value for the Barcode Object.

Barcode

Symbology

Code39 / Codabar / Interleaved 2-of-5 / JAN13 / Code93 / Code128



Printing direction *1	Printer driver set	tings	Printer (Recommended Resolution minimum values)		(Recommended minimum values)		
	Media Type	Print Quality	(dpi)	X Dimension (mils)	Ratio	(dpi)	
Fence Barcode	Plain Media Plain Media Label	Speed		0.32	2.5		
Fence Barcoae	Other than the above	Speed Quality		0.25	2.7		
	Plain Media Plain Media Label	Speed	360	0.46	2.5		
Ladder Barcode	Other than the above	Speed Quality		0.39	10		
	Wrist Band	Speed		0.32	2.5	Codabar128	
		Quality			2.5	Codabar	

*1 The printing directions are shown below.



Note:

The values shown above are for the recommended print media.

2D Symbol of Stack type

Symbology

PDF417/ GS1 DataBar Stacked/ GS1 DataBar Stacked Omnidirectional, /GS1 DataBar Expanded Stacked



Note:

The values shown above are for the recommended print media.

2D Symbol of Matrix type

Symbology

QR Code



Symbol position *	Printer driver settings		Printer Resolution	BarTender settings (Recommended minimum values)		
	Media Type	Print Quality	(dpi) X Dimension (mils)			
	Plain Media	Speed		0.46		
No Paper feed	Plain Media Label	opeed		0.40		
	Other than the	Speed		0.30		
	above Quality		360	0.07		
	Plain Media	Speed	000	0.60		
With Paper feed	Plain Media Label	opeed		0.00		
	Other than the Speed		Ĩ	0.46		
	above	Quality		010		

^{*)}You can use the Print Preview function in the printer driver to make sure that the symbol does not fall outside of the printing area. For details, see "Symbol Printing Position" on page 10.

Note:

The values shown above are for the recommended print media.

Symbol Printing Position

The value to set for [X Dimension] will vary depending on whether the symbol printing position falls outside of the printing area.

Use the following procedure to check the symbol printing position.



Add a checkmark to (Print Preview) in the TM-C3500 printer driver, and then click the (OK) button.

EPSON TM-C350	0 印刷設定 age Layout [4 Oriver Utilities] 4 Maintenance A	nd Utilities
Fa <u>v</u> orite Setting	Current Settings	Eavorite Setting
Print Settings		
Media <u>T</u> ype	Matte Label	
Print <u>Q</u> uality	Speed Quality C Automatic C Advanced Advanced	
∟ ⊢Media Source/Sav	ing Settings	
Media Layout	108 x 174.8 mm - Die-cut Label Us Media Position Detection(BM/Gap)	er Defined
Roll Paper Saving	Eliminate Lower Margin	
Settings For Paper	Handling After Print	k Levels
 Auto <u>C</u>ut <u>N</u>o Auto Cut 	After Every Page Cut interval	
Completion <u>B</u> ee	per Setting	Print Preview
	Refresh Ink Levels	Version 1.0.0.5
	OK キャンセル 適用(A)	ヘルプ

When printing, the (EPSON Print Preview) window will appear. 2 The dashed lines shown here indicate the printing area. Check if the symbol position falls inside or outside of the printing area.

EPSON Print Preview - Format1.btw EPSON Print Preview - Format1.btw File View Print Opt View Print Options Watermark Display Media Feed Po ons <u>W</u>ater k 🔍 🖾 🖾 💷 🖭 + + k 🔍 🖾 🖾 🛍 🗠 🔶 Print Total :1 Current Page :1 Printer :EP! otal :1 Current Page :1 Copies :1 Printer :EPSON TM Copies :1

No Paper feed (Inside the printing area)

With Paper feed (Outside the printing area)

- C -X