TRST-C10BI Printer Driver for Windows XP User's Manual

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TOSHIBA TEC SINGAPORE PTE LTD

Copyright(C)2011 TOSHIBA TEC SINGAPORE PTE LTD This document describes the precautions for using the TRST-C10BI Printer Driver for Windows XP.

This document assumes that the reader is familiar with the following:

- General characteristics of Windows and Printer Driver for Windows.
- General characteristics of TRST- C10BI printer

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Table of Contents

1	Оре	eration Environment	5
2	Hov	w to install the Printer Driver	5
	2.1	Manual Install through "Add Printer" wizard	5
	2.1.	1 Add Printer	5
3	Hov	w to update the Printer Driver12	2
	3.1	Update Driver	2
4	Hov	v to uninstall the Printer Driver	3
5	Exa	mples for a receipt printing2	1
	5.1	Receipt printing	1
	5.1.	1 Document setting	3
	5.1.2	2 Logo setting	3
	5.1.	3 Font setting	1
	5.1.4	4 Barcode setting	5
	5.1.	5 ControlA Font setting	5
	5.2	Print Rendering	3
6	Not	e	3
	6.1	Log file setting)

1 Operation Environment

This printer driver works with below environment.

OS	Windows XP
l/F	Serial(RS232C)

2 How to install the Printer Driver

2.1 Manual Install through "Add Printer" wizard

2.1.1 Add Printer

Open the 'Printers and Faxes'.

Go to 'File' and click the 'Add Printer' button.



The 'Add Printer Wizard' dialog appears.

Click 'Next' to continue.

Add Printer Wizard	
	Welcome to the Add Printer Wizard
	This wizard helps you install a printer or make printer connections.
	 If you have a Plug and Play printer that connects through a USB port (or any other hot pluggable port, such as IEEE 1394, infrared, and so on), you do not need to use this wizard. Click Cancel to close the wizard, and then plug the printer's cable into your computer or point the printer toward your computer's infrared port, and turn the printer on. Windows will automatically install the printer for you. To continue, click Next.
	< <u>Back</u> Next > Cancel

Select 'Local printer attached to this computer' and uncheck 'Automatically detect and install my

Plug and Play printer'.

Click 'Next' to continue.

Local of The w	Vetwork Printer izard needs to know which type of prin	ater to set un	Ø
			Š,
Select	the option that describes the printer yo	ou want to use:	
(⊙ Lo	al printer attached to this computer		
	Automatically detect and install my Plu	ug and Play printer	
OAr	etwork printer, or a printer attached to	another computer	
(1)	To set up a network printer that is no	ot attached to a print server,	
	use the "Local printer" option.		
V			
V			
V			

Select 'Use the following port' option and select 'COM4: (Serial Port)' from the dropdown list. Then click 'Next'.

1 Pr	inter Wizard	
Sele	ect a Printer Port Computers communicate w	ith printers through ports.
	Select the port you want yo new port.	our printer to use. If the port is not listed, you can create a
	⊙ <u>U</u> se the following port:	COM4: (Serial Port)
	The connector for this p	port should look something like this:
	Cireate a new port: Type of port:	CutePDF Writer Monitor

Click 'Have Disk'.

dd Printer Wizard	
Install Printer Software The manufacturer and mode	el determine which printer software to use.
Select the manufacturer a disk, click Have Disk. If y compatible printer softwar	and model of your printer. If your printer came with an installation our printer is not listed, consult your printer documentation for e.
Manufacturer Agfa Alps Apollo Apple APS-PS This driver is digitally signed. Tell me why driver signing is in	Printers AGFA-AccuSet v52.3 AGFA-AccuSetSF v52.3 AGFA-AccuSet 800 AGFA-AccuSet 800SF v52.3 Windows Update Have Disk
	< <u>B</u> ack <u>N</u> ext > Cancel

Click 'Browse' and locate the folder where the printer driver is saved.

Install F	rom Disk 🛛 🔀
J	Insert the manufacturer's installation disk, and then make sure that the correct drive is selected below.
	Copy manufacturer's files from:
	C:\Documents and Settings\10377\Desktop\Win >

The name of the printer to be installed will appear. Click 'Next'.

Add Printer Wizard	
Install Printer Software The manufacturer and model determine v	which printer software to use.
Select the manufacturer and model of disk, click Have Disk. If your printer is compatible printer software.	your printer. If your printer came with an installation not listed, consult your printer documentation for
Printers	
TRST-C10BI	
This driver is not digitally signed! Tell me why driver signing is important	Windows Update Have Disk
	< <u>Back</u> <u>Next</u> > Cancel

Optionally, you may modify the default printer name.

Then click 'Next'.

Name Your Printer	1
You must assign a name to this printe	a. 😵
Type a name for this printer. Because name combinations of more than 31 of possible.	some programs do not support printer and server characters, it is best to keep the name as short as
Printer name:	
TRST-C10BI	
Do you want to use this printer as the	default printer?
⊙Yes	
<u>○ No</u>	

You have the option to share the printer on your network. By default, the printer is not shared.

Click 'Next' to continue.

×.

dd Printer Wizard		
Printer Sharing You can share this	printer with other network users.	
If you want to share suggested name or users.	this printer, you must provide a share name. You can use the type a new one. The share name will be visible to other network	
⊙ Do not share thi	s printer	
OShare name:		

If you want a test page to be printed after the driver is installed, select 'Yes'. Click 'Next' to continue.

Add Printer Wizard
Print Test Page To confirm that the printer is installed properly, you can print a test page.
Do you want to print a test page?
OYes
⊙ Nd
< <u>B</u> ack Next > Cancel

Click 'Finish' to proceed with the installation.

Add Printer Wizard			
	Completing the Add Printer Wizard		
	You have successfully completed the Add Printer Wizard. You specified the following printer settings:		
	Name:	TRST-C10BI	
	Share name:	<not shared=""></not>	
	Port:	COM4:	
	Model:	TRST-C10BI	
	Default:	Yes	
	Test page:	No	
	To close this	wizard, click Finish.	
< <u>B</u> ack Finish Cancel			

Click 'Continue Anyway' to proceed.

Hardwa	re Installation
⚠	The software you are installing for this hardware: Printers
	has not passed Windows Logo testing to verify its compatibility with Windows XP. (Tell me why this testing is important.)
	Continuing your installation of this software may impair or destabilize the correct operation of your system either immediately or in the future. Microsoft strongly recommends that you stop this installation now and contact the hardware vendor for software that has passed Windows Logo testing.
	Continue Anyway STOP Installation

Once installation is completed, the printer icon will appear in the Printers and Faxes window.



3 How to update the Printer Driver

3.1 Update Driver

Open the 'Printers and Faxes'. Right-click on the 'TRST-C10BI' printer icon and select 'Properties'.



Go to the 'Advanced' tab and click 'New Driver'.

TRST-	C10Bl Prope	rties				?
	Font	1	Utility		Version	
General	Sharing	Ports	Advanced	Security	Printer Se	etting:
Alwa	iys available					
🔿 Avai	la <u>b</u> le from	12:00 AM	🗘 To	12:00 AM	\$	
Priority:	1			_		
Dri <u>v</u> er:	TRST-C10BI		(✓ Ne <u>w</u> D	river	
Hold	mismatched do spooled docum printed docum ple advanced pr ing Defaults	cuments ents first ents inting feature:	s	Separator Pa	ace	
			OK	Cancel		nalu

The 'Add Printer Driver Wizard' will start.

Click 'Next' to continue.

Add Printer Driver Wizard			
	Welcome to the Add Printer Driver Wizard This wizard helps you install a new printer driver. To continue, click Next.		
	<u>≺Back</u> Next> Cancel		

Click 'Have Disk'.

Install Printer Software The manufacturer and model	determine which printer software to use.
Select the manufacturer an disk, click Have Disk. If you compatible printer software.	d model of your printer. If your printer came with an installation ur printer is not listed, consult your printer documentation for
Manufacturer Agfa Alps Apollo Apple APS-PS This driver is digitally signed. Tell me why driver signing is imp	Printers AGFA-AccuSet v52.3 AGFA-AccuSet SF v52.3 AGFA-AccuSet 800 AGFA-AccuSet 800SF v52.3 Windows Update Have Disk
	< <u>B</u> ack <u>N</u> ext> Cancel

Click 'Browse' and locate the folder where the printer driver is saved.

Install F	rom Disk 🛛 🔀
J	Insert the manufacturer's installation disk, and then make sure that the correct drive is selected below.
	Copy manufacturer's files from:
	C:\Documents and Settings\10377\Desktop\Win >

The name of the printer to be installed will appear. Click 'Next'.

Add Printer Wizard	
Install Printer Software The manufacturer and model determine v	which printer software to use.
Select the manufacturer and model of disk, click Have Disk. If your printer is compatible printer software.	your printer. If your printer came with an installation not listed, consult your printer documentation for
Printers	1
TRST-C10BI	
This driver is not digitally signed! <u>Tell me why driver signing is important</u>	<u>₩</u> indows Update <u>H</u> ave Disk
	< <u>B</u> ack <u>N</u> ext> Cancel

Optionally, you may modify the default printer name.

Then click 'Next'.

Name Your Printer	1
You must assign a name to this printe	a. 😵
Type a name for this printer. Because name combinations of more than 31 of possible.	some programs do not support printer and server characters, it is best to keep the name as short as
Printer name:	
TRST-C10BI	
Do you want to use this printer as the	default printer?
⊙Yes	
<u>○ No</u>	

You have the option to share the printer on your network. By default, the printer is not shared.

Click 'Next' to continue.

×.

dd Printer Wizard		
Printer Sharing You can share this	printer with other network users.	
If you want to share suggested name or users.	this printer, you must provide a share name. You can use the type a new one. The share name will be visible to other network	
⊙ Do not share thi	s printer	
OShare name:		

If you want a test page to be printed after the driver is installed, select 'Yes'. Click 'Next' to continue.

Add Printer Wizard	
Print Test Page To confirm that the printer is installed proper	ly, you can print a test page.
Do you want to print a test page?	
OYes	
⊙ Na	
	< <u>B</u> ack <u>N</u> ext > Cancel

Click 'Continue Anyway' to proceed.

Hardwa	re Installation
1	The software you are installing for this hardware: Printers has not passed Windows Logo testing to verify its compatibility with Windows XP. (Tell me why this testing is important.) Continuing your installation of this software may impair or destabilize the correct operation of your system either immediately or in the future. Microsoft strongly recommends that you stop this installation now and contact the hardware vendor for software that has passed Windows Logo testing.
	Continue Anyway

Restart the computer to successfully update the driver.

4 How to uninstall the Printer Driver

Open the 'Printers and Faxes' folder.

Right-click on the 'TRST-C10BI' printer icon and select 'Delete'.

😼 Printers and Faxes			
<u>File E</u> dit <u>V</u> iew F <u>a</u> vorites <u>T</u> o	ols <u>H</u> elp		A
🕝 Back 👻 🕥 - 🏂 🔎	Search 🌔	Folders 👬 🗸	
Address 🦦 Printers and Faxes			💙 🄁 Go
Printer Tasks Image: Constraint of the second sec		Open Printing Preferences Pause Printing Sharing Use Printer Offline	
 ? Troubleshoot printing ? Get help with printing Other Places 		Create Shortcut Delete Rename Properties	
	*		

Click 'Yes' to confirm.

Printers	. 🛛 🛛
2	Are you sure you want to delete the printer 'TRST-C10BI'?
	<u>Y</u> es <u>N</u> o

The printer icon is removed.

Go to 'File' and click 'Server Properties'.

실 Printers and Faxe		_ 🗆 🔀
File Edit View Fav	rites Tools Help	🦧
Add Printer	A	
Server Properties	D Search D Folders	
Send Fax	faxes	🗸 🄁 Co
Create Shortcut		
Delete		
Rename		
Properties		
Close		
See Also	*	
Troubleshoot prin	ing	
Get beln with prin	ing	
Other Places	*	

Go to the 'Drivers' tab and select 'TRST-C10BI'.

Click 'Remove'.

Print Server Properties	X
Forms Ports Drivers Advanced	
ENG_MARK	
Installed printer drivers:	1
TRST-C10BI Intel Windows 2000 or XP	
A <u>d</u> d <u>B</u> emove Replace Prop <u>erties</u>	
	<u> </u>

Click 'Yes' to confirm.

Print Se	rver Properties 🛛 🛛
2	Deleting this printer driver will remove it from the system. Are you sure you want to delete TRST-C10BI?
	Yes No

The printer driver has been successfully removed from your system.

5 Examples for a receipt printing

5.1 Receipt printing

		5.1.2 Document Setting
L	OGO ←	5.1.3 Logo Setting
Th 123 Anywl	e Home Store 4 Your Street here, USA 12345 ◄	5.1.4 Font Setting
SALE 1234	404 123-4567 04 80936 07/15/09 05:29 PM	
NOODLE SOUPE CHICKEN CORN STARCH POPCORN GRIPNSPRERGO MIXED NUTS CANNED AIR CHK BOUILION CHK BOUILION	002420000130 1.49 K 004135853129 0.89 K 001231243010 1.19 K 002700048414 2.50 K 007785522284 7.92 E 00290007184 2.87 K 007947454608 3.94 E 004125875156 1.69 K 004125875158 1.89 K	
CHAMPAGNE COFFEE MILK	005672330785 10.43 E 002212340484 0.81 K 001251700860 3.18 E	
	SUBTOTAL 430.07 TAX 25.85 TOTAL 455.92 CASH 500.00 CHANGE 44.88	
RECEIPT H	REQUIRED FOR REFUND	
	0123456789123	5.1.5 Barcode Setting
Than At t Lo Day	ks For Shopping the Home Store owest Prices y In, Day Out	
		5.1.6 ControlA Font setting

1) Right-click on the "TRST-C10BI" printer icon and select "Properties".



 Click Font tab. By default, Font Size 2 is selected. You may opt to select Font Size 1 then click "OK".

TRST-C10BI Properties		? 🔀
General Sharing Ports	s Advanced Security	Printer Settings
1 OIK	Otality	VEISION
Support Printer Fonts and Font	s Sizes	
Font Name	Points	
FontA11	9.9	~
FontA12	19.9	
FontA21 EontA22	J.J 100	
FontA24	39.7	
FontA42	19.9	
FontA44	39.7	
FontA48	79.4	
FontA84	39.7	
FontA88	79.4	
FontB11	9.9	
FontB12	19.9	
FontB21	9.9	
Select this font size in the appli see the sample programs or the Test Printing Test Data	cation. For more information abo e manual.	ut programming.
Select Font Size	Font Size2	
	OK Car	cel Apply

5.1.1 Document setting

- In the receipt printing, the paper length does not matter. Since it depends on the number of items on a receipt, a receipt length is not specified. Select the specified paper size ([58mm x 297mm] or [80mm x 297mm]) that has the paper width you require.
- 2) Right-click on the "TRST-C10BI" icon and select "Printing Preferences".

Click on **Document Settings** tab. Select "Bottom" on the "Paper Conservation". Click "OK". Also select "Document[Feed,Cut]" on the "Paper Source". Click "OK".

According to the setting of the "Paper Conservation" and the "Paper Source", the receipt is cut at the proper position (end of receipt) automatically.

🗟 TRST-C10Bl Printing Preferences 🔹 👔 🏹	STRST-C10BI Printing Preferences
Halltone Settings Barcode 2D Code Version Main Layout Water Mark Document Settings	Halftone Settings Barcode 2D Code Version Main Layout Water Mark Document Settings
Document Setting Paper Conservation: <bottom> Print all text as graphic images:<no> Input Unit:0.1mm> Paper Source:<document[feed,cut]> Cash Drawer Send command Logo Printing</document[feed,cut]></no></bottom>	Document Setting Paper Conservation: <bottom> Print all text as graphic images: <no> Input Unit: <0.1mm> Paper Source: <document[feed_cut]> Cash Drawer Send command Dogo Printing</document[feed_cut]></no></bottom>
Paper Conservation None Top Bottom Top & Bottom	Paper Source Document[Feed_NoCut] Document[NoFeed_NoCut] Page[Feed_NoCut] Page[Feed_NoCut] Page[NoFeed_Cut] Cut Cut Cut
OK Cancel Apply	OK Cancel Apply

5.1.2 Logo setting

 Click on **Document Settings** tab. Select "First Page - Top" on the "Logo Printing" to specify the logo position on the receipt. Select "Front Only" at the "Position" combo-box. Also select the logo number at the "Number" combo box to specify the logo. The logo has to be downloaded by the TRST-C10BI commander before using this setting. Click "OK".

Halftone	Settings	Barc	ode	2D	Code		Version
Main	Layout		Water M	1ark	[)ocumen	t Setting:
_							
- Docum	ent Setting per Conservation		0				
- Prir	nt all text as grap	hic image	es: <no></no>				
- Inp	ut Unit:<0.1mm>						
Pa	per Source: <doo< td=""><td>cument[F</td><td>eed,Cut]></td><td></td><td></td><td></td><td></td></doo<>	cument[F	eed,Cut]>				
E Se	sh Urawer nd command						
E Log	go Printing						
Ė	First Page						
	Тор						
-	Middle Page						
	Last Page						
- Logo Prir	nting						
Position	- Eront Only						
FUSICION			ل				
Number	0 ÷	[0-255]	Decimal				
	Front Back	Front	Back	Front	Back	-	
	1090		2		3		

5.1.3 Font setting

1) Select the printer font and send the character data to the printer. Following are printer fonts that can be selected by an application. The sizes of those fonts are fixed.

	Fo	nt1	
Font Name	Point	Font Name	Point
FontA11	8.5	FontB11	8.5
FontA12	17.0	FontB12	17.0
FontA21	8.5	FontB21	8.5
FontA22	17.0	FontB22	17.0
FontA24	34.0	FontB24	34.0
FontA42	17.0	FontB42	17.0
FontA44	34.0	FontB44	34.0
FontA48	68.1	FontB48	68.1
FontA84	34.0	FontB84	34.0
FontA88	68.1	FontB88	68.1

	Fo	nt2	
Font Name	Point	Font Name	Point
FontA11	9.9	FontB11	9.9
FontA12	19.9	FontB12	19.9
FontA21	9.9	FontB21	9.9
FontA22	19.9	FontB22	19.9
FontA24	39.7	FontB24	39.7
FontA42	19.9	FontB42	19.9
FontA44	39.7	FontB44	39.7
FontA48	79.4	FontB48	79.4
FontA84	39.7	FontB84	39.7
FontA88	79.4	FontB88	79.4

5.1.4 Barcode setting

- Click on Barcode tab. Select "Barcode1" at the Font Name combo-box, and select the barcode type for Barcode1. Press "Advanced settings" button and specify the barcode attributes (width, height and HRI). Click "OK".
- 2) Select the Barcode1 font and send the numeral character data (e.g. "01234567890123") to the printer. Refer to "5.2 <u>Print Rendering</u>" in detail.

실 TRST-C10BI Pri	inting Pr	eference	s				? 🗙
Main	Layout	W	ater Mark		Docu	iment Settin	gs
Halftone Setting:	s	Barcode		2D Co	de	Versio	on
Font Name	Barcode	1	•	76.5	Points		
Alias							
Select this font size the sample program Barcode1 Type Setting	in the appli s or the man	cation. For nual.	more infor	mation a	about pro	gramming, s	ee
Option	Sett	ing		1			1
Element Width Element Heigh HRI Position HRI Font Rotation Hex Input Moo Add Quiet Zon	t 3Di t 162 Doi Fon Nori de Off ie Off	ots Dots not Print tA mal					
			OK		Cancel		ply

		[0.0]DL.		
Element width	³	[2-6]D003		
Element Height	162 🛨	[1-255]Dots	27.0	mm
HRI Position	Do not Print		-	
HRI Font	fontA		-	
Hex Input Add Quiet	Mode Zone			
Test Printing-				

5.1.5 ControlA Font setting

- 1) Open Properties and click on "Utility" Tab.
- 2) Select character "!" (0x21) and click on "Edit" button.

📽 TRST-C10BI Prop	erties	? 🗙
General Sharing Font	Ports Advanced Security Printer Utility Version	Settings
Log File Setting	Log File Setting Log Option Settings	
E dit ControlA	Edit ControlA Font Character Translation Table Edit commands for registering Control A fonts	
	OK Cancel	Apply

Char	Hex	Command				
	20					^
1	21					
	22					L
#	23					
Ş	24					
6	25					
	20					
(28					
ì	29					
*	2A					
+	2B					
,	2C					
-	2D					~
				Edit	Do	loto

3) Input 1B 40 (Initialize the printer command) and click on OK.

ntrol A Editor		
Char	Hex	
1	21	
Command		
1B 40		
<		2
		OK Cancel

4) Select the ControlA font and send "!" character to the printer. The printer will be initialized at the end of the receipt. Refer to "5.2 <u>Print Rendering</u>" in detail.

5.2 Print Rendering



6 Note

6.1 Log file setting

This function is for the analysis of the printer and the printer driver issues. Therefore please don't change this setting normally. It would slow down the performance.