TRST-AxxCommander User'sManual

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TOSHIBA TEC SINGAPORE PTE LTD

Copyright(C)2008 TOSHIBATECSINGAPOREPTELTD Thisdocumentdescribestheprecautionsforusingt heTRST-AXXCommander.

Thisdocumentassumesthatthereaderisfamiliarw

iththefollowing:

- GeneralcharacteristicsofWindowsandImagePrint DriverforWindows
- GeneralcharacteristicsofOPOSforWindows
- GeneralcharacteristicsofTRST-AXXprinter

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- * TheofficialnameofWindowsisthe MicrosoftWindo wsOperatingSystem .

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TRST-AxxCommanderUser'sManual

Rev.No.	Date	Pages	Description
01	Oct.09,2008	0	riginalissue
02	Jan.14,2009	6-8, 15-18	Updates based on Version 2.08 software, the major changes are to add the function of "Get printer configuration" on the main window and add the configuration of "Flow Control" on "COM setting on "InterfaceProperties" screen.
03	May06,2009	6-7, 9, 10,17	UpdatesbasedonVersion2.10,modifiedthealignme ntofGUI
04	Aug04,2009	6, 7, 9, 10,17	Updates based on Version 2.12, changed the interfac e of "BMP download",change"USBType"settingof"Printerconf iguration"
05	Aug21,2009	5, 6, 15,16	UpdatesbasedonVersion2.12,addthe"LAN"interne tinterface
06	Jan25,2010	8, 15 , 16,17	Updates on Gent L and implemented "Set Additional Fe ed mode" setting, fontsizemode
07	No26,2010	5, 7, 12,13	Updates based on Version 2.27, update the windows p latform to includewindows7, updateGUIof"DefineBitImages "
08	Dec29,2010	5, L	pdatesbasedonVersion2.28,fi xthesyntaxerrorsoflastversion

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1 OperationEnvironment

Thisutilityworkswithbelowenvironment.

os	Windows2000(SP4),WindowsXP(SP1,SP2),Window	NS 7
I/F	Serial, Parallel, USB (USB printerclass/TECUSB),	LAN

2 HowtoStarttheProgram

2.1 StartwithdoubleClickTRSTAxxCommanderVx.x x.exe



TRST Axx Commander V2.22 Commander MFC Application TEC Singapore Electronics Pte ...

Theinterfacesettingwindowwillpop-up,MakeconnectionwithprinterbyselectingproperInterfacetype.SelectpropersettingtomatchprinterInterfaceproperties,sothatapplicationcancommunicatewithprintercorrectly.Alsotheprevioususedsettingswillbesaved;restartingtheutilitytheprevioususedconfigurationsettingwillbeshown.

	nunicating with pri is not in error mod	
COM Port :	COM1	•
Baud Rate :	115200	•
Data Bits :	8	•
Stop Bits :]1	•
Parity :	NONE	•
Flow Control :	DTR/DSR	•
IP Address	10 170	- # - #

)

2.2 Therearefivetypesofinterfaces:

- USBprinterclass(noneedtoinstallTECUSBdriver
- TECUSB(needtoinstallTECUSBdriver)
- Serial232port
- parallelport
- LAN(Ethernet)

Afterselectingtheinterfaceproperties, the main

windowwillbedisplayed:

hange Settin BMP file dow		Cilliages Define	1 op/Bottom Msgs	Online Test Print	Demo Prin	c]			
Select and	Download BM Bitmap ID	MP Files File Name			м	anipula	ite Width	Alignm	nent
FILE #1					Browse	Г	0	Left	Ŧ
FILE # 2	•	j			Browse	Г	0	Left	Ŧ
FILE # 3	•	1			Browse	Г	0	Left	-
Paper wid	th=80mm, fonl	width is maxmized t size= size1, max t size= size2, max	width= 576				size2, max wi size2, max wi		

3 CommanderFunctions

3.1 Function1:PrinterSettingChanges

Code Pages

Default C P :

Onthetoptabmenu,select"	ChangePrinterSetting	s",therewillbea	windowwithvariousTRST
Axxprinterrelatedsettings.	Thus,wecanconfigur	edifferentprinters	settingsrespectively.
Usercanselectthesettings	andclickon"Saveset	tingstoFile"tosav	vethesettingspecifiedinto
atextformatfile,usercansa	veoneorseveralse	ttingsinthelist.	
Usercanchangethevalues clickonLoadSettings"toloa example.			dafterthat,usercanalso emofile"fileisgivenasa
Toreadthecurrentsettingsocorrespondingsettingwillb	-	LoadSettingsfromF	Printer"button,the
Afteruserconfigurestheset correspondingsettings. I/F setting Print Configurations Change Settings Define Dov		"ChangeSettings"	ochangetothe
- Communication Interface -			
Interface Type :	Parity :	T	CTS Control:
Baud Rate :	Flow Control :		Parallel Type:
Stop Bits :	Reception Erro	ors : 📃 👻	Ready Timing:
USB Type:	Receive Buffe	r: 👻	
Emulation/Software	Hardware		Double Side Mode Setting
DBCS/Font Size :	Print Density :	-	Thermal Mode:
PrintMode(DBCS):	Max Power :		F/B Upside Down
Default LPI :	PaperLowSen	SOF.	Swap Side :
Carriage Return :	Paper Width :		Btm/Top Msg
Receipt Sync. :	→ Knife :		Reprint Msg:
PDF417 Max:	Color Paper :	-	Min Rcpt Length:
Added Feed:	Drawer Type:	-	Reprint Error Page

Drawer Bit Assign:

Save File

•

Load File

-

Change Settings

Load Printer

click"ChangeSetting"button,usercanprintouta finishedbyclick"Printconfiguration"button,als setting, pleasemakesurethe"I/Fsetting"iscor configurationprintafterresettingprinteris ousercanuse"Loadprinter"toseethecurrent rect.

Forexample, youwanttochange "addedfeed" in "ch steps

angesettings", please follow the following

Step1:

Youcanclickon"loadPrinter"toseethecurrent displayedintheleftcomerasshowninthefollowi "printconfiguration"toprintoutoneconfiguratio printersettings,the"addedfeed"functionis ngpicture,alternatively,youcanclickonthe nsheettocheckthecurrentconfiguration:

ange Settings D	efine Download Bit	Images Define Downlo	ad Ton/Bottom Ms	sas On	line Test Print [emo Print	
11210		indges (Denne Dennie		ogo j on	and react mart -	Joing Link 1	
Communication Ir	nterface	21					
Interface Type :	RS232	Parity :	NONE	▲ C.	TS Control:	Disabled	•
Baud Rate :	9600	Flow Control :	DTR/DSR	- Pa	arallel Type:	OPOS driver	¥
Stop Bits :	1	Reception Errors :	Print '?'	• B	eady Timing:	Timing1	*
USB Type:	Auto Select	Receive Buffer :	4 kBytes	•			
Emulation/Softwa	are	Hardware		D	ouble Side Mode	e Setting	
DBCS/Font Size :	INVALID/SIZE 2	Print Density :	100%	• TI	nermal Mode:	Single Side	+
PrintMode(DBCS):	VALID	Max Power :	55 W	- F/	'B Upside Down	Normal/Normal	•
Default LPI :	6 LPI	PaperLowSensor:	Enabled	- S	wap Side :	Not Swap	+
Carriage Return :	Ignore CR	Paper Width :	80 mm	BI	m/Top Msg	Disabled/Disable	•
Receipt Sync. :	Disabled	Knife :	Enabled	- B	eprint Msg:	Disabled	¥
PDF417 Max:	9 Columns	Color Paper :	Monochrome	• M	in Ropt Length:	Disabled	*
Added Feed:	Disable	Drawer Type:	Type1	- R	eprint Error Page	OFF	*
Code Pages Default C P :	437	Drawer Bit Assign:	2Bits Assign	Ī			
	Load File	Save File	Load Print	oter []	Change Settings	Ī	

Step2:

selectthesettingsyouwanttoset,afterselect ontherightcorner

thesettinge.g"3mm",clickon"changesettings"

ange Settings D		iages Define Downlo	ad Top/Bottom Ms	gs Online Test Print I	Demo Print
Interface Type :	RS232 +	Parity :	NONE	CTS Control:	Disabled 👻
Baud Rate :	9600 👻	Flow Control :	DTR/DSR	Parallel Type:	0P0S driver 👻
Stop Bits :	1	Reception Errors :	Print '?'	Ready Timing:	Timing1 🗾
USB Type:	Auto Select 👻	Receive Buffer :	4 kBytes	-	1
Emulation/Softwa	are	Hardware		Double Side Mode	e Setting
DBCS/Font Size :	INVALID/SIZE 2 💌	Print Density :	100% 👻	Thermal Mode:	Single Side 👻
PrintMode(DBCS):	VALID 👻	Max Power :	55 W	F/B Upside Down	Normal/Normal
Default LPI :	6 LPI 👻	PaperLowSensor:		Swap Side :	Not Swap 😽
Carriage Return :	Ignore CR 🔹	Paper Width :	80 mm 👻	Btm/Top Msg	Disabled/Disable 🗸
Receipt Sync. :	Disabled 👻	Knife :		Reprint Msg:	Disabled 😽
PDF417 Max:	9 Columns 👻	Color Paper :	Monochrome	Min Rcpt Length:	Disabled 👻
Added Feed:	Disable 👻	Drawer Type:	Type1	Reprint Error Page	OFF 🗸
Code Pages Default C P :	Disable 3mm	Drawer Bit Assign	2Bits Assign		
	6mm 9mm 12mm	Save File	_Load Print	er Change Settings	

Step3:

Theinterfacepropertieswillpopup,forexamplei changedanycommunicationproperties,thereisnon

fyouuseGent-Lmodel,asyouhavenot

eedtochangetheinterfacepropertiesasit

isthecurrentsettings,justclick"OK"

Change Settings Define Download		before comm and printer	e Interface Prope nunicating with print is not in error mod	nter	Test Print [Demo Print	
Interface Type :	RS232	Properties	provide state		Control:	Disabled	-
Baud Rate :	9600	COM Port :	COM1	-	el Type:	OPOS driver	-
Stop Bits :	1	Baud Rate :	9600	•	V Timing:	Timing1	•
USB Type:	Auto Select	Data Bits ;	8	_			
- Emulation/Softwa	are	Data Dito .	10		le Side Mode	e Setting	
DBCS/Font Size :	INVALID/SIZE	Stop Bits :	1	•	al Mode:	Single Side	¥
PrintMode(DBCS)	VALID		-		pside Down	Normal/Normal	-
Default LPI :	6 LPI	Parity :	NONE	_	Side :	Not Swap	•
Carriage Return :	Ignore CR	Flow Control :	DTR/DSR	•	op Msg	Disabled/Disab	e 🕶
Receipt Sync. :	Disabled				nt Misg:	Disabled	-
PDF417 Max:	9 Columns	IP Address	10 _ 170 _	. 1 1	cpt Length:	Disabled	-
Added Feed:	3mm		1		nt Error Page	OFF	*
Code Pages							
Default C P :	437	ОК		Cancel			

Step4:

Youcanrepeatstep1,tocheckthecurrentsetting s

3.2 Function2:DownloadBitImages

Onthetoptabmenu, select "Define Download BitIm

ages",awindowisshown,asfollows:

I/F setting Print Configurations							
Change Settings Define Bit Images Define Top/Bottom Msgs Online Test	Print Demo Print						
BMP file download							
Select and Download BMP Files							
Bitmap ID File Name	Manipulate Width Alignment						
FILE #1	Browse 0 Left 🖵						
FILE # 2	Browse 0 Left 🖵						
FILE # 3	Browse 0 Left 👻						
Width: if 0 <width<10, is="" maxmized,<="" td="" width=""><td>, ,</td></width<10,>	, ,						
Paper width=80mm, font size= size1, max width= 576 Paper	width=68mm, font size= size2, max width= 432						
Paper width=80mm, font size= size2, max width= 560 Paper width=68mm, font size= size2, max width= 424							
Clear File Path Download							
Download							
Print Selected BMP:							
Bitmap ID Print the Selected	d BMP						

3

-

SelectaBitmapID, which will be the LogoID in th Bitmapgraphic file, the files hould be only monoch

eprintertobedownloaded, and then selecta rome bit map and with size limit.

Select and Download BMI Bitmap ID	File Name				?
FILE #1 3		ook in: 🛅 images	~		•
FILE # 2					
FILE # 3 .		-	Monday Special		
Width: if 0 <width<10, w<br="">Paper width=80mm, font s</width<10,>	2		I ABC Dinners Free Large Drink		
Paper width=80mm, font :	size= size2, m	B.0. *		TOSHINA QUIECPO'S A20	
Clear File Path			Ballonia a	····	
	File	e name: CoffeeC	upi		en

Youcanselectupto3filesanddownloadtogether	simultaneously.
Ifyouneedmanipulateimages,pleaseclicktheche Pleasenoticethewidthvaluelimitsshowninthep	ckbox,andtypeavalueintheWidthbox. age.
Afterfinishselect,click"Download"andtheBMPf	ileswillbedownloadedtotheprinter.
PrintDownloadBitImage:	
YoucanselectLogoIDandperformprint,tocheck itsrespectiveID.	whetherfilesaresuccessfullydownloadedto
Print Selected BMP:	
Bitmap ID	
okinap io	

Print the Selected BMP

3.3 Function3:DefineTop/Bottom/ReprintMessages

Onthetoptabmenu, select "Define Download Top/Bo

ttomMsgs",awindowisshown,as

follows:

nange Settings Define Download Bit I	mages Define Download Top/Bottom Msgs Online Test Print Demo Print
Download 1-line Top/I	Sottom/Reprint Message into ROM:
Ĩ.	*
1	
- Atributes 1-line Top/Bo	ottom/Reprint Message:
Underline:	Emphasized Mode :
Double Height :	Color :
Double Width :	Inverse Video :
	Download!
	Download

Pleaseselectmessagetypeandyoucantypethefir secondtextboxrespectively.

standsecondlinemessageinthefirstand

Thefollowingpictureshowsthatthemessagetypei messageis"TRST-Axx" and the second line is versio

sbottommessageandthefirstlineofbottom nnumberofCommander.

inge Settings Define Download Bit Images	s Define Download Top/Bottom Msgs Online Test Print Demo Print
Download 1-line Top/Bottom	n/Reprint Message into ROM:
Top Message	
Bottom Message Reprint Message	
Atributes 1-line Top/Bottom/F	Reprint Message:
Underline:	Emphasized Mode :
Double Height :	Color :
Double Width :	Inverse Video :
	×
12	Download!

Characterattributescanbechangedfromthedrop-d black,thenthedefaultsettingwillbeusedwhend

ownbox.lfthecharacterattributesareleft ownloadingthemessage.

nge Settings Define Download Bit Image	Define Download Top/Bottom Msgs Online Test Print Demo Print
Download 1-line Top/Bottor	n/Reprint Message into ROM:
Bottom Message 👻	TRST-A10/A15
poton mosage	Commander Ver 2.05
	commander yor 2.54
Atributes 1-line Top/Bottom/	/Reprint Message:
Underline:	Emphasized Mode :
2 dot Underline	· ·
Double Height :	Color :
ON	
Double Width :	Inverse Video :
ON	
	Download

Afterfinishedsettingupthemessagetype,message downloadbuttontodownloadthemessagetoprinter. willbeshown.

content,andmessageattributes,clicksthe Afterdownloadcompletethismessagebox



3.4 Function4:OnlineTestPrint

OntheleftfunctionList,select"OnlineTestPrin t". Selectthetestparameters,"SelectPageType","Fo rreceiptprintingOnly",thenselecttheonline testtype.

Makesure"I/Fsetting"iscorrect

nange Settings Def	ine Download Bit Images Define D	ownload Top/Bottom Msgs Online Test Print Demo Print
	Select Paper Type	
	🤨 58 mm	6 80 mm
	For Dual Side Printing Only	
	Front Side Only Back	side Only 🥝 Both Sides
	Duty Print Test	Common Print Test
		All H Print Test
	€ 50.0% € 75.0%	
	C 100.0%	Rolling ASCII Print Test
	Duty Print Test	
	Configura	tion Printout

a) <u>Example 1</u>:

If userwants to print 25% duty print with 58 mm wid

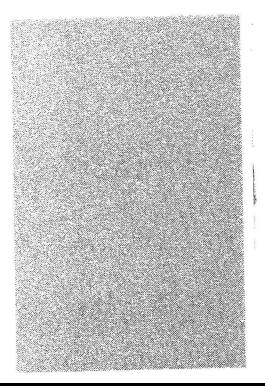
thusingsinglesideprinterusingserial

interface.Settheinterfacepropertiesaccordings

etting Print Configurations	Interface Prop	erties			
Change Settings Define Download Communication Interface Interface Type : Baud Rate : Stop Bits : USB Type:	before comn and printer Properues COM Port : Baud Rate :	te Interface Properties nunicating with printer is not in error model	iont el Ty	020	nt
Emulation/Software DBCS/Font Size : PrintMode(DBCS): Default LPI : Carriage Return :	Data Bits : Stop Bits : Parity : Flow Control :	8 1 NONE DTR/DSR	ial M psic Sidi	Msg	•
Receipt Sync. : PDF417 Max: Added Feed: Code Pages Default C P :	IP Address	10 . 170 . 1	. 1 cpt	sg. Length: ror Page	-

On"OnlineTestprint" window, Pleaseselect"58mm "25.0%". Thenclickon the button of "DutyPrintTe ","frontsideonly"(itsdefaultvalue)and

st".Youwillgetaprintoutasfollows:



b) <u>Example 2:</u>

Youwanttogetaprintoutof"80mm"dualsideprin isusingRS232interfacenow,firstsettheinterfa

terprintingusing"printerclass", if your printer ceproperties according such as below picture:

hange Settings Define Download	before comm	e Interface Prope iunicating with pri is not in error mod	nter	Test Print Demo Pri	nt
Interface Type :				Control:	
Baud Rate :	COM Port :	COM1	×	el Type:	
Stop Bits :	Baud Rate :	115200	•	Timing:	-
USB Type:	Data Bits :	8			
Emulation/Software	Data Dits .	lo	<u> </u>	le Side Mode Setting	
DBCS/Font Size :	Stop Bits :	1		al Mode:	•
PrintMode(DBCS):		-		pside Down	•
Default LPI :	Parity :	NONE	1	Side :	Ŧ
Carriage Return :	Flow Control :	DTR/DSR	•	op Msg	•
Receipt Sync. :				nt Msg:	-
PDF417 Max:	IP Address	10 . 170	1.1	cpt Length:	•
Added Feed:				at Error Page	•
Code Pages					
Default C P :	ОК		Cancel		

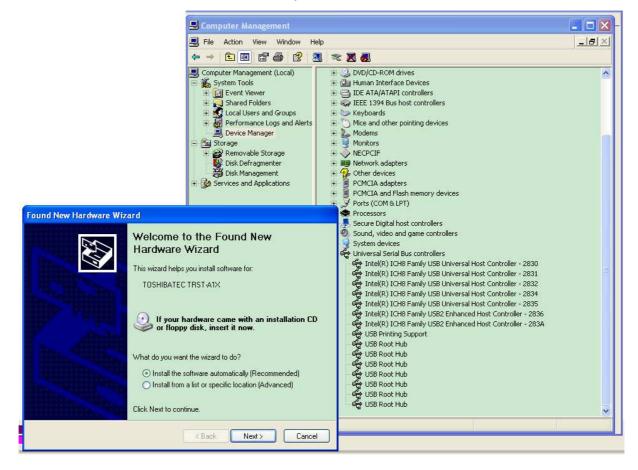
Thenchangetheprintersettingsof"USBtype"to"

Printerclass", and click "changesetting"

ange Settings Define D	ownload Bit Image	es Define Download	Top/Bottom Msgs	Online Test Print Demo Pri	nt
Communication Interfac	e				
Interface Type :	•	Parity :	•	CTS Control:	•
Baud Rate :	-	Flow Control :	•	Parallel Type:	•
Stop Bits :		Reception Errors :		Ready Timing:	-
USB Type:		Receive Buffer :			
Emulation/Softwa Vend	Select	Hardware		□ Double Side Mode Setting	
DBUS/Font Size : Printe	r Class	Print Density :		Thermal Mode:	-
PrintMode(DBCS):	=USB	Max Power :		F/B Upside Down	÷
Default LPI :		PaperLowSensor:	•	Swap Side :	÷
Carriage Return :	-	Paper Width :		Btm/Top Msg	
Receipt Sync. :		Knife :		Reprint Msg:	•
PDF417 Max:	•	Color Paper :	•	Min Ropt Length:	
Added Feed:		Drawer Type:		Reprint Error Page	
Code Pages		Drawer Bit Assign:			
Default C P :	-	and a second second			

Theprinterisresetandreconnected, ifyouopen thereis"USBprintingsupport"under "Universal "Cancel" on"FoundNewHardwareWizard"sinceyou

your"computermanagement",youcansee serialBus",theprinterisdetected,andclick don't needtoinstalldriver.



On"OnlineTestprint"window,pleaseselect"80mm "AllHPrintTest".Youwillgetaprintout(front ar

m ","Bothsides".Thenclickonthebuttonof andback)asfollows:

КИКИМИНИНИНИНИНИНИНИНИНИНИКИНИНИНИНИНИКИНИНИНИ ныкыкыныныкыныныныныныныкыныныныныныны

3.5 Function4:DemoPrint

Ontheleft"functionList", select"DemoPrint".

Clickontheprintdemopatternbuttontogetthep rintout.

Makesurel/Fsettingiscorrect

	Define Download Top/Bottom M	
Demo Pattern		
Print Demo Pattern 1	Print Demo Pattern 2	Print Demo Pattern 3
Note: Please make sure that Dem	o1.txt. Demo2.txt and Demo3.txt	are in the same folder with this tool.

UsingasinglesideGentprinter,theprintoutfor

the3patternsisasfollows:

SAMPLE I SAMPLE I TSE STORE No Tomato Surf Tel no. 65-98339946 Receipt Beef Sandwich 3.00 TUTAL 6.50- THANK YOU!! Beef Sandwich 3.00 No Mayo Suff No Mayo Tuna Salad Solution Suff TOTAL 6.50- THANK YOU!! Beef Sandwich 3.00 No Mayo Suff Total 5.50 Thank you Suff					
NoTomatoCutDomonTel no. 65-98339946 ReceiptReceipt1.00Beef Sandwich Tuna Salad3.50CatTotalTOTAL6.50-Image: Sandwich No tomato3.00 No tomato3.00 Tuna SaladTHANK YOU!!Beef Sandwich No tomato3.00 Tuna Salad3.50 TotalNo Mayo TotalImage: Sandwich No tomato3.00 Tuna SaladNo Mayo TotalImage: Sandwich Tuna Salad3.50 Total	SAMPLE I	SAMPLE T		SAM PLE	
Receipt Standwich 3.00 Beef Sandwich 3.50 TOTAL 6.50- THANK YOU!! Beef Sandwich No tomato Beef Sandwich No tomato 3.00 Total 1.00 Thank you 1.00	TSE STORE	No Tomato	Cut J		
Beef Sandwich 3.50 TOTAL 6.50- THANK YOU!! Beef Sandwich 3.00 No tomato 3.50 Tuna Salad 3.50 Thank you					1100
THANK YOU!! Beef Sandwich No tomato 3.00 Tuna Salad 3.50 No Mayo 6.50	Deel ound#±on	No Mayo	Cut V		
THANK FUOIL Tuna Salad 3.50 No Mayo Total 6.50	TOTAL 6.50-		•		
Total 6.50	THANK YOU!!	No tomato Tuna Salad			
Thank you		No Mayo Total	6.50		
		Thank you			