

ST-C10 Windows Driver Kit Release notes

Table of Contents

Supplies.....	2
Intel Chipset,Graphic,Network, Realtek Audio, Touch Panel Drivers.....	2
TFTST-B20 additional driver.....	2
ST-C10 POS Drivers Kit.....	3
Change history.....	5
Folder Configuration.....	7
Cautions.....	10

Supplies

The ST-C10 Windows Driver Kit supplies the following items:

- ◆ ST-C10 POS Driver Kit

Intel Chipset, Graphic, Network, Realtek Audio, Touch Panel Drivers

Intel provides the followings drivers in “Intel Chipset driver package”.

For Windows XP, WEPOS, POS Ready 2009, 7, POS Ready 7 (32-bit and 64-bit)

Driver	32-bit	64-bit
Intel® Chipset Device Software	V1.1.35.0	V1.1.43.0
Intel(R) Graphics Media Accelerator Driver	V2.11.15.0	V2.11.15.0
Intel(R) Network Connection	V4.0.100.1124	V4.0.100.1124

The following drivers are audio driver and touch panel driver

Driver	32-bit	64-bit
Realtek High Definition Audio	V2.11.15.0	V2.11.15.0
eGalax Touch Driver	V5.6.0.6806	

TFTST-B20 additional driver

The following driver is additional driver for TFTST-B20

[TFTST-B20]

Driver	32-bit	64-bit
Elo Touch Monitor Driver Package for Windows XP, 7	V5.4.1	

ST-C10 POS Drivers Kit

The followings are the POS drivers for ST-C10.

- ◆ OPOS Control Kit for ST-C10 (for Windows XP/WEPOS/POSReady 2009/7)
TEC OPOS Control for ST-C10 V001.001

<i>Device</i>	<i>Version</i>	<i>OPOS Device Name</i>	<i>Document</i>
PKBST USB Keylock	1.9.0.0	PKBSTUB	USB PKBST KeylockAPG.pdf
KITST-A10-BTNK Electronic Keylock	1.11.0.2	STA10EKEY	ST-A10 KeylockAPG.pdf
Electronic Keylock (I-Button) of Hybrid MCR	1.11.0.1	EKEYHB	ST-C10 KeylockAPG.pdf
LIUST-51 LineDisplay	1.2.0.14	LIUST51	TecOpos.pdf → Section 5.1
LIUST-Ax0 LineDisplay	1.2.0.0	LIUSTAx0	LineDisplay LIUST-Ax0APG.pdf
LIUWD-111 LineDisplay	1.2.0.15	WD111	LineDisplay LIUWD111APG.pdf
LIUST-C10BI LineDisplay	1.2.0.2	LIUSTC10BI	LineDisplay LIUST-C10APG.pdf
LIUST-C10BICN Line Display	1.2.0.0	LIUSTC10BICN	LineDisplay LIUST-C10APG.pdf
DRWST-5x Cash Drawer	1.2.0.7	DRWST	TecOpos.pdf → Section 4.1
TRST-A1x USB Cash Drawer	1.8.0.1	DRWA1U	TRSTA1xAPG7th.pdf
TRST-A1x Serial Cash Drawer	1.8.0.2	DRWA1S	TRSTA1xAPG7th.pdf
TRST-A1x LAN Cash Drawer	1.8.0.1	DRWA1L	TRSTA1xAPG7th.pdf
PKBST USB MSR	1.8.0.4	MCRSTUB	USB PKBST MSRAPG.pdf
MCRST-A10 MSR	1.8.0.2	MCRRMS	ST-A10 MSRAPG.pdf
MCRHB10 MSR	1.8.0.1	MCRHB10	ST-C10 MSRAPG.pdf
TRST-A1x USB POS Printer	1.8.0.36	TRSTA1U	TRSTA1xAPG7th.pdf
TRST-A1x Serial POS Printer	1.8.0.35	TRSTA1S	TRSTA1xAPG7th.pdf
TRST-A1x LAN POS Printer	1.8.0.36	TRSTA1L	TRSTA1xAPG7th.pdf
TRST-C10 Serial POS Printer	1.8.0.4	TRSTC10BI	ST-C10PrinterApp.pdf

- ◆ Driver Kit for ST-C10 (for Windows XP/WEPOS/POSReady 2009/7)
TEC Driver for ST-C10 V001.001

<i>Device</i>	<i>Document</i>
CashDrawer Driver	-
Sensor Driver	Sensor Library External Spec.pdf
USB POSKeyboard Modules	-
WD-111 LineDisplay Library	WD-111 LineDisplay Library External Spec.pdf
Watchdog Timer Driver	Windows WDT Spec.pdf
Audio Switch Driver	-
Thermal Throttle Driver	-
Printer Battery Driver	ST-C10 Windows Battery User Guide.pdf

- ◆ TEC USB Driver (for Windows XP/WEPOS/POSReady 2009/7/POSReady 7)
- ◆ Set Keyboard Application V2.0.0.0
- ◆ TEC Event Monitor application V1.0.0.1

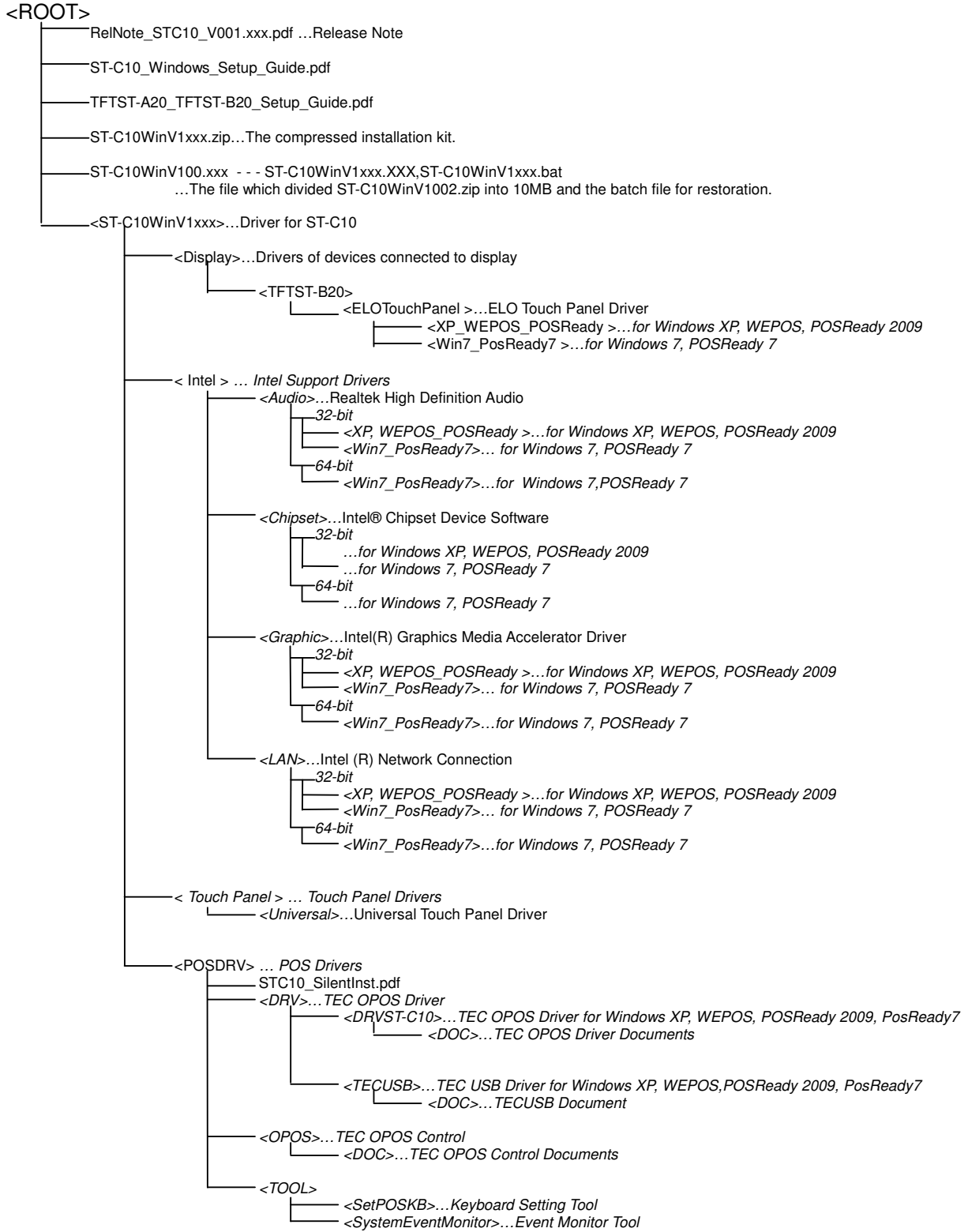
Change history**Change History**

Rev. No.	Date	Description
V001.000	-	First Release
V001.001	7 Jun, 2011	It's revised the TEC Driver Installer due to Drawer Driver Installation Issue. TEC Driver for ST-C10 V001.000 -> V001.001
V001.002	15 Aug, 2011	Upgrade OPOS Control installer. (V001.000 -> V001.001) <u>1. Update OPOS Driver to Support S3 State.</u> TRST-C10BI V1.8.000 -> V1.8.001 LIUST-C10BI V1.2.000 -> V1.2.001 EKEY-HB10 V1.11.000 -> V1.11.001 MCR-HB10 V1.8.000 -> V1.8.001 <u>2. Update OPOS Control Panel for LIUST-C10BI to support [China] country code.</u> Tecpos.cpl V002.029 -> V002.030 Update OPOS APG. LineDisplay LIUST-C10APG.pdf ST-C10 KeylockAPG.pdf ST-C10 MSRAPG.pdf ST-C10PrinterAppg.pdf
V001.003	-	Cancelled
V001.004	23 Feb, 2012	POSReady 7 (32-bit and 64-bit) Support. * TEC Driver and OPOS Driver is not support in POSReady 7 (64-bit)

<p>V001.005</p>	<p>16 May, 2012</p>	<p>Upgrade OPOS Control installer. (V001.001 -> V001.002)</p> <ol style="list-style-type: none"> 1. Update TRST-C10BI OPOS Driver (V1.8.001-> V1.8.004) <ul style="list-style-type: none"> - Battery Support - Added feed feature 2. Update LIUST-C10BI OPOS Driver (V1.2.001-> V1.2.002) <ul style="list-style-type: none"> - Battery Support 3. Update MCR-HB10 OPOS Driver (V1.8.001-> V1.8.002) <ul style="list-style-type: none"> - Solve Event handle issue. - Add encryption on card data when OPOS driver keep log in level 2. 4. New Release LIUST-C10BICN (Chinese Font GB18030) OPOS Driver (V1.2.000) 5. Update OPOS Control Panel (V002.030 -> V002.031) <ul style="list-style-type: none"> - Support COM Port for Extend COM (MAX COM number is 40(fixed)) - Support Font Size of TRST-C10BI - Support LIUST-C10BICN 6. Update Check Health Test Program (V001.009 -> V001.010) <ul style="list-style-type: none"> - Support LIUST-C10BICN <p>Upgrade TEC Driver installer. (V001.001 -> V001.002)</p> <ol style="list-style-type: none"> 1. Update Drawer Driver V003.002 -> V003.003 <ul style="list-style-type: none"> - Bug Fix 2. Update WatchDog Timer Driver V004.001 -> V004.002 <ul style="list-style-type: none"> - Bug Fix 3. Update Sensor Kernel Driver and Library for Battery Support 4. Newly include Printer Battery Driver (automatically install execute the installer) <p>Update OPOS APG. LineDisplay LIUST-C10APG.pdf ST-C10PrinterApp.pdf</p> <p>Include new manual about Battery Operation. ST-C10 Windows Battery User Guide.pdf</p>

Folder Configuration

The Folder Configuration is as follows:



TOSHIBA TEC CORPORATION

OPOS Control

Filename	Version	Date	Time	
Tecpos.cpl	2.0.0.32	2011/12/21	11:03:14	Toshiba TEC Control Applet
OPOSCHK.exe	1.0.0.10	2011/12/21	09:06:56	Toshiba TEC Check Health Applet
comdlg32.ocx	6.0.84.18	2000/05/22	16:58:00	Microsoft CDialog ActiveX Control DLL
LogMgr.dll	1.0.1.5	2010/11/01	20:31:23	Toshiba TEC LOG Manager Library
MSCOMCTL.ocx	6.1.95.45	2002/12/20	14:02:44	Windows Common Controls ActiveX Control DLL
msvcp60.dll	6.2.3104.0	2004/08/05	21:00:00	Microsoft Visual C++ 6.0 runtime
Oposevmg.dll	1.2.0.4	2003/06/10	10:23:58	OPOS Event Manager Library
OposHook.dll	1.0.0.1	2004/09/17	23:28:00	OPOS Library
raslibc.dll	1.2.0.4	2004/08/06	13:05:24	RAS Library
TECUSB.dll	1.0.0.6	2008/10/27	12:39:03	Toshiba TEC USB Library
HBPort.dll	1.0.0.4	2011/11/01	10:51:00	Hybrid MCR COM port Share dll
HBPortMgr.exe	1.0.0.3	2011/02/25	10:24:40	Hybrid MCR COM port Share exe
Oposdisp.ocx	1.0.0.3	2000/12/19	19:00:46	LineDisplay OPOS CO
LIuwd111.dll	1.2.0.15	2009/12/08	09:36:11	LIUWD-111 LineDisplay OPOS SO
LIUSTAx0.dll	1.2.0.0	2010/11/01	13:07:42	LIUST-Ax0 LineDisplay OPOS SO
LIUST-C10BI.dll	1.2.0.2	2012/01/09	16:47:54	LIUST-C10 Built in LineDisplay OPOS SO
LIUST-C10CN.dll	1.2.0.0	2012/01/09	16:57:55	LIUST-C10CN Built in LineDisplay OPOS SO
KEYLOCK.ocx	1.11.0.1	2008/06/16	10:11:20	Keylock OPOS CO
eKeyOPOS.dll	1.11.0.2	2009/10/06	19:46:58	iButton on TFT-STB20 OPOS SO
KEYLCKUB.dll	1.9.0.0	2006/10/10	15:57:34	PKBST USB Keylock OPOS SO
EKeyHB.dll	1.11.0.2	2011/06/01	10:34:27	iButton on Hybrid MCR OPOS SO
MSR.ocx	1.8.0.0	2007/02/07	18:32:40	MCR OPOS CO
MCRMS.dll	1.8.0.2	2008/08/21	14:17:24	ST-A10 MSR OPOS SO
USBMSR.dll	1.8.0.4	2008/10/14	10:27:10	PKBST USB MSR OPOS SO
MCRHB10.dll	1.8.0.2	2011/10/28	13:52:08	ST-C10 MSR OPOS SO
Oposdrw.ocx	1.8.0.0	2009/04/02	13:56:02	CashDrawer OPOS CO
DRWSO.dll	1.2.0.7	2007/11/30	16:49:38	DRST-5x OPOS SO
DRWA1U.dll	1.8.0.1	2009/10/20	22:46:53	TRSTA1U(USB) Cash Drawer OPOS SO
DRWA1S.dll	1.8.0.2	2010/01/21	20:52:19	TRSTA1S(RS232C) Cash Drawer OPOS SO
DRWA1L.dll	1.8.0.1	2009/10/24	15:21:15	TRSTA1L(LAN) Cash Drawer OPOS SO
Oposscan.ocx	1.8.0.0	2004/10/13	15:42:12	Scanner OPOS CO
OPOSPrinter.ocx	1.8.0.0	2004/10/13	15:39:10	POSPrinter OPOS CO
TRSTA1U.dll	1.8.0.36	2010/09/29	16:54:54	TRSTA1U(USB) POS Printer OPOS SO
TRSTA1S.dll	1.8.0.35	2010/01/20	14:31:23	TRSTA1S(RS232C) POS Printer OPOS SO
TRSTA1L.dll	1.8.0.36	2010/09/29	16:51:18	TRSTA1L(LAN) POS Printer OPOS SO
TRSTC10BI.dll	1.8.0.4	2011/11/30	15:52:28	TRSTC10 Built in POS Printer OPOS SO
TECShareUSB.dll	1.0.0.5	2010/09/17	13:35:24	TRST-A1x USB port share library
TECShareSerial.dll	1.0.0.2	2009/10/26	20:39:54	TRST-A1x Serial port share library
TECShareLAN.dll	1.0.0.2	2009/10/26	22:35:46	TRST-A1x LAN port share library
TECSUSBMgr.exe	1.0.0.5	2010/09/17	13:14:20	TRST-A1x USB port share driver
TECSSerialMgr.exe	1.0.0.2	2009/10/26	22:42:16	TRST-A1x Serial port share driver
TECSLANMgr.exe	1.0.0.3	2010/01/07	09:39:29	TRST-A1x LAN port share driver
SetBitmapTool.exe	1.0.0.3	2011/03/30	19:46:45	Bitmap Registration to Flash ROM

TOSHIBA TEC CORPORATION

TEC Driver (for Windows XP, WEPOS, POSReady 2009, Vista, 7)

Filename	Version	Date	Time	
DRW.INF	-	2011/05/19	13:28:29	CashDrawer Driver Setup INF file
DRVDRW.sys	4.0.1381.1	2011/10/21	16:00:00	CashDrawer Driver
sensor.inf	-	2011/03/02	08:55:59	Sensor Driver Setup INF file
DRVSENSOR.sys	2.0.0.1	2011/11/01	09:15:57	Sensor Driver
SENSOR.dll	1.0.0.1	2011/11/03	13:16:43	Sensor Driver Library
SENSOR.lib	-	2011/11/03	13:16:42	Sensor Driver lib file
SENSOR.h	-	2011/11/03	13:15:19	Sensor Driver header file
StrSensor.h	-	2011/11/03	13:15:53	Sensor Driver header file
install.exe	-	2001/05/22	15:05:12	Driver's Installer
DrvSignED.dll	1.0.0.0	2009/12/22	09:57:41	Driver Sign check Enabler
POSESC32.dll	1.0.0.6	2009/10/06	13:52:09	USB POSKeyboard Library
UsbKbMgr.exe	1.0.0.8	2009/05/18	08:20:41	USB Msr & Keylock Control Program
liuwd111.h	-	2009/07/22	16:02:22	WD-111 Library header file
WD111.lib	-	2009/07/27	17:34:16	WD-111 Library lib file
WD111.dll	-	2009/07/27	17:34:16	WD-111 Library
zzwdt.sys	4.0.0.2	2012/01/09	9:22:59	Watchdog Timer Driver
TECAudio.inf	-	2011/03/15	20:37:57	Audio Switch Driver Setup INF file
DrvTECAudio.sys	1.0.0.0	2011/03/15	20:34:18	Audio Switch Driver
AudioSwitchManager.exe	1.0.0.0	2011/03/15	20:37:17	Audio Switch Monitor Manager
TECThrottle.inf	-	2011/02/24	23:46:00	Thermal Throttle driver Setup INF file
DrvTECThrottle.sys	1.0.0.0	2011/03/15	19:23:36	Thermal Throttle driver
TECThermalThrottleManager.exe	1.0.0.0	2011/03/15	16:49:39	Thermal Throttle Monitor Manager
PrtBatt.inf	-	2011/10/21	11:08:23	Printer Battery Driver Setup INF file
PrtBatt.sys	1.0.0.0	2011/10/31	15:32:22	Printer Battery Driver (System)
TBattery.cpl	1.0.0.0	2011/10/27	12:54:18	Printer Battery Control Panel GUI
BatteryPage.dll	1.0.0.0	2011/10/27	12:54:23	Printer Battery Control Panel Execution

USB driver

Filename	Version	Date	Time	
Tecusb.sys	1.0.0.7	2004/11/25	20:45:00	Toshiba TEC general-purpose USB driver
TecUSBDEx.INF	-	2009/09/02	14:57:28	USB driver Setup INF file

Cautions

NOTE: For restoring the divided file, save the following file in the same place of HDD.

ex) When a version is V001.000

ST-C10V1000.000

ST-C10V1000.001

ST-C10V1000.002

ST-C10V1000.003

ST-C10V1000.004

ST-C10V1000.005

ST-C10V1000.006

ST-C10V1000.bat

Execution of “ST-C10V1000.bat” restores “ST-C10V1000.zip” to the same place as “ST-C10V1000.bat”.

NOTE: Silent Installation is supported for only Windows XP ,WEPOS and POSReady2009.