

ST-A10 Windows Driver Kit Release notes

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Supplies

The ST-A10 Windows Driver Kit supplies the following items:

- ◆ ST-A10 POS Driver Kit

VIA Chipset, Graphic, Network , Audio and RAID Drivers

The followings are the Network, and Audio drivers that support the VIA.

- ◆ VIA Hyperion 511A
- ◆ VIA/S3G UniChrome Family Win2K/XP Display Driver V22.00.01w
- ◆ VIA Rhine II Fast Ethernet Adapter
NDIS Driver for Windows 98SE/ME/2000/XP/Vista V3.68 Apr, 2007
- ◆ VIA Vinyl Audio Codecs Driver v6.80c
- ◆ VIA V-RAID Driver V5.30C

Elo Tablet Driver

The followings are the tablet drivers.

- ◆ Elo XP Universal Driver V4.40 (Windows 2000/XP version)

Dallas iButton Driver

These are the iButton drivers.

- ◆ Dallas Semiconductor 1-Wire Drivers V4.00 (Windows 2000/XP version)
- ◆ Dallas Semiconductor 1-Wire Viewer V3.22 (Windows 2000/XP version)

Note: Download the following site.

http://www.maxim-ic.com/products/ibutton/software/tmex/legacy_drivers.cfm

ST-A10 POS Drivers Kit

The followings are the POS drivers for ST-A10.

- ◆ OPOS Control Kit for ST-A10 (for Windows 2000/XP/WEPOS/POSReady 2009)
TEC OPOS Control for ST-A10 V001.007

Device	Version	OPOS Device Name	Document
ST-A10 iButton Electronic KeyLock	1.11.0.1	STA10EKEY	ST-A10 KeylockAPG.pdf
PS/2 PKBST Keylock	1.0.0.2	PKBST	TecOpos.pdf -> Section 6.1
USB PKBST Keylock	1.9.0.0	PKBSTUB	USB PKBST KeylockAPG.pdf USB PKBST KeylockAPG Appen.pdf
ST-A10 LineDisplay	1.2.0.14	LIUST51	TecOpos.pdf -> Section 5.1
LIUWD-111 LineDisplay	1.2.0.15	WD111	LineDisplay LIUWD111APG.pdf
DRWST-5x Cash Drawer	1.2.0.6	DRWST	TecOpos.pdf -> Section 4.1
DRWST-5x Cash Drawer (Extension)	1.2.0.4	DRWEX	TecOpos.pdf -> Section 4.2
ST-A10 MSR (Magnetic Stripe Reader)	1.8.0.2	MCRMS	ST-A10 MSRAPG.pdf
PS/2 PKBST MSR	1.0.0.3	MCRST	TecOpos.pdf -> Section 7.1
USB PKBST MSR	1.8.0.4	MCRSTUB	USB PKBST MSRAPG.pdf USB PKBST MSRAPG Appen.pdf
TRST-A1x USB POS Printer	1.8.0.35	TRSTA1U	TRSTA1xAPG6th.pdf
TRST-A1x Serial POS Printer	1.8.0.35	TRSTA1S	TRSTA1xAPG6th.pdf
TRST-A1x Parallel POS Printer	1.8.0.35	TRSTA1P	TRSTA1xAPG6th.pdf
TRST-A1x LAN POS Printer	1.8.0.35	TRSTA1L	TRSTA1xAPG6th.pdf
TRST-A1x USB Cash Drawer	1.8.0.1	DRWA1U	TRSTA1xAPG6th.pdf
TRST-A1x Serial Cash Drawer	1.8.0.2	DRWA1S	TRSTA1xAPG6th.pdf

Apr 7 2010

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TRST-A1x Parallel Cash Drawer	1.8.0.1	DRWA1P	TRSTA1xAPG6th.pdf
TRST-A1x LAN Cash Drawer	1.8.0.1	DRWA1L	TRSTA1xAPG6th.pdf
HS-530-RS Serial Barcode Scanner	1.2.0.12	RSSCANNER	TecOpos.pdf -> Section 9.1
HS-530-RS Serial Barcode Scanner (Extension)	1.2.0.8	RSSCANNER. EX	TecOpos.pdf -> Section 9.2

- ◆ TEC USB Drivers for Windows2000, Windows XP, WEPOS and POSReady 2009.
- ◆ Set Keyboard Application V2.0.0.0

Change history

V001.000 New Release.

V001.001 Update OPOS Control KIT for ST-A10 .

1. Added OPOS Control for PKBST-50 and MCRST-50.(for WindowsXP)

NOTE: Please install the POS drivers with the POS KeyBoard connected.

2. To support Chinese and Korean Languages, the following changes were made.

2-1. TRSTA1P.dll, TRSTA1S.dll., TRSTA1U.dll:
Code Page 949 and Code Page 54936 were added.

2-2. Tecpos.cpl:
China was added to the country code of the OPOS registry.
DBCMode (Double Byte Character Set) was added to the OPOS registry.

2-3. TecUSBDEx.INF
support TRSTA1x-xx-CN (China model) USB POS Printer.

V001.002 Update OPOS Control KIT for ST-A10.

1. KEYLOCK.OCX, eKeyOPOS.dll:
Support Common Control Object.

2. MCR RMS.dll:
Correction of the illegal error event that the MSR judges as an error the Track1 data beginning from "E" .

3. Posesc32.dll:
Correction of the fault that the MSR on PKBST-50 cannot read magnetic stripe card more than 100 times.

4. TRSTA1P.dll,TRSTA1S.dll,TRSTA1U.dll:
4-1. Correction of the fault that the PrintBarcode method does not work correctly.
4-2. Correction of the code128 data format that sends as an argument to the OPOS standard.

5. tecusb.dll:
support USB devices running on Windows Vista.

6. OPOSCHK.exe:
Support 3rd USB Scanner.

7. TecUSBEx.INF
Support TRST-A1x-CN and DENSO Bluetooth Wireless Scanner.

V001.003 Update OPOS Control KIT for ST-A10.

1. TRST-A1x POS Printer OPOS Control(TRST-A1x-P/S/U)

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TRSTA1P.dll,TRSTA1S.dll,TRSTA1U.dll (V1.8.0.31 -> V1.8.0.32)

1.1. Support of FontSize2.

1.2. Correction of the code128 print logic in the case of inputting odd columns.

1.3. Correction of the Control Panel about the registry setting of the both sides printing.

1.4. Correction of the phenomenon that printing is not possible when carrying out Claim-Release repeatedly.

1.5. Correction of the phenomenon that garbage is printed by rotary printing.

2. TRST-A1x Cash Drawer OPOS Control (TRST-A1x-P/S/U)

DRWA1P.dll,DRWA1S.dll,DRWA1U.dll (V1.8.0.0 New release)

Support of New CashDrawer OPOS(connected to TRST-A1x).

3. PS/2 Keyboard Filter driver (PKBST-50 uses)

kbfilter.sys for WindowsXP/WEPOS (V001.000 -> V001.001)

Correction of the phenomenon that a blue screen occurs at the time of OS start by PS /2 keyboard non-connection.

Note: This modules is used by OPOS Control for PKBST-50 and MCRST-50

V001.004

Update OPOS Control KIT for ST-A10.

ST-A10 OPOS Installer (V001.003 -> V001.004)

1. TRST-A1x POS Printer OPOS Control (TRST-A1x-P/S/U)

TRSTA1P.dll,TRSTA1S.dll,TRSTA1U.dll (V1.8.0.32 -> V1.8.0.33)

TECShareParallel.dll, TECShareSerial.dll, TECShareUSB.dll

(V001.000 -> V001.001)

TECSParallelMgr.exe, TECSSerialMgr.exe, TECSUSBMgr.exe

(V001.000 -> V001.001)

1.1. Correction of the phenomenon that simultaneous use of POSPrinter and CashDrawer is impossible in the same process. (target : TRST-A1x-P/S/U)

1.2. Correction of memory leak by repetition of Open-Close method. (target : TRST-A1x-P/S/U)

1.3. Correction of the phenomenon that OPOS locks it infrequently during device use. (target : TRST-A1x-P/S/U)

1.4. Correction of the phenomenon that Claim method does infrequently time-out by USB POSPrinter

1.5. Correction of the phenomenon that Open method fails infrequently in an overload state. (target : TRST-A1x-P/S/U)

V001.005

1. Upgrade “ST-A10_Windows_Setup_Guide.doc”

- 1.1. Edit “2.3.Installation of VIA Chipset Program” to install the chipset driver for POSReady 2009.
- 1.2. Edit “2.6.Installation of VIA Audio Driver” to install the Audio driver for POSReady 2009.

2.Upgrade below document to add “support POSReady 2009”

-“ST-A10_Windows_Setup_Guide.pdf”
 -“ST-A10 KeylockAPG.pdf”
 -“ST-A10 MSRAPG.pdf”
~~“TRSTA1xAPG.pdf”~~

3.Add “OPOSCaution.pdf” for installation of OPOS with POSReady 2009.

V001.006

Update OPOS Control KIT for ST-A10.

ST-A10 OPOS Installer (V001.004 -> V001.006)

1. TRST-A1x OPOS Control

- 1.1.Support of TRST-A10 LAN POS Printer and CashDrawer connected to Printer.
 TRSTA1L.dll(V1.8.0.34 New release)
 DRWA1L.dll(V1.8.0.1 New release)
 TECShareLAN.dll(V001.002 New release)
 TECSLANMgr.exe(V001.002 New release)
 Tecpos.cpl(V002.021 -> V002.022)
 SetBitmapTool.exe(V001.000 -> V001.001)

- 1.2.Fault correction of the OPOS Control Application Programmer's Guide
 Correction of the BitMap number that I can register.(target : TRST-A1x-P/S/U)
 [Fault] 1 to 10 -> [Right] 1 to 11

1.3.Fault correction of OPOS.

TRSTA1P.dll,TRSTA1S.dll,TRSTA1U.dll (V1.8.0.33 -> V1.8.0.34)
 DRWA1P.dll, DRWA1S.dll, DRWA1U.dll (V1.8.0.0 -> V1.8.0.1)
 TECShareParallel.dll, TECShareSerial.dll, TECShareUSB.dll
 (V001.001 -> V001.002)
 TECSParallelMgr.exe, TECSSerialMgr.exe, TECSUSBMgr.exe
 (V001.001 -> V001.002)

- 1.3.1.Resource leaks occur when I setting DeviceEnabled property to “True” at the time of the state that DeviceEnabled property is “True”. [for Booths Supermarket]
 (target : TRST-A1x-P/S/U)
- 1.3.2.The prevention that printing data fall out. (target : TRST-A1x-S)
- 1.3.3.An error event does not occur in power supply OFF with an async mode.
 (target : TRST-A1x-S)
- 1.3.4.OPOS crashes infrequently when I execute Release method during printing with an async mode. (target : TRST-A1x-P/S/U)
- 1.3.5.When mass async printing data accumulation is in a state and execute ClearOutput method, OPOS locks it. (target : TRST-A1x-P/S/U)
- 1.3.6.Misprint occurs infrequently when I use printer OPOS and cash drawer OPOS with an async mode at the same time. (target : TRST-A1x-P/S/U)
- 1.3.7.OutputCompleteEvent occurs several times when I execute PrintBitmap method with an async mode. (target : TRST-A1x-P/S/U)
- 1.3.8.When an error occurs during printing by TransactionPrint, I cannot execute TransactionPrint unless ClearOutput does whether you do Close-Open.
 (target : TRST-A1x-P/S/U)
- 1.3.9.When an error occur at the time of a printing start by TransactionPrint, the last

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printing contents are printed at the time of the next TransactionPrint practice earlier. (target : TRST-A1x-P/S/U)

1.3.10. At the time of PrintNormal practice during RotatePrint registration, I can output the paper back side and a surface appointment command.

(target : TRST-A1x-P/S/U)

1.3.11. OPOS does deadlock infrequently when Release method execution and paper empty event occur at the same time. (target : TRST-A1x-P)

Update “ST-A10_Windows_Setup_Guide.doc”

Add Instructions about POSReady 2009.

V001.007

Upgrade of the OPOS Control installer (V001.006->V001.007)

Modify OPOS Control Installer for adding the following devices.

- Add PKBST USB Keylock OPOS(KEYLCKUB.dll)
- Add PKBST USB MSR OPOS(USBMSR.dll)
- Add WD-111 LineDisplay OPOS(Liuwd111.dll)
- Add USB POSKeybaord Modules
- Add WD-111 LineDisplay Library(WD111.dll)

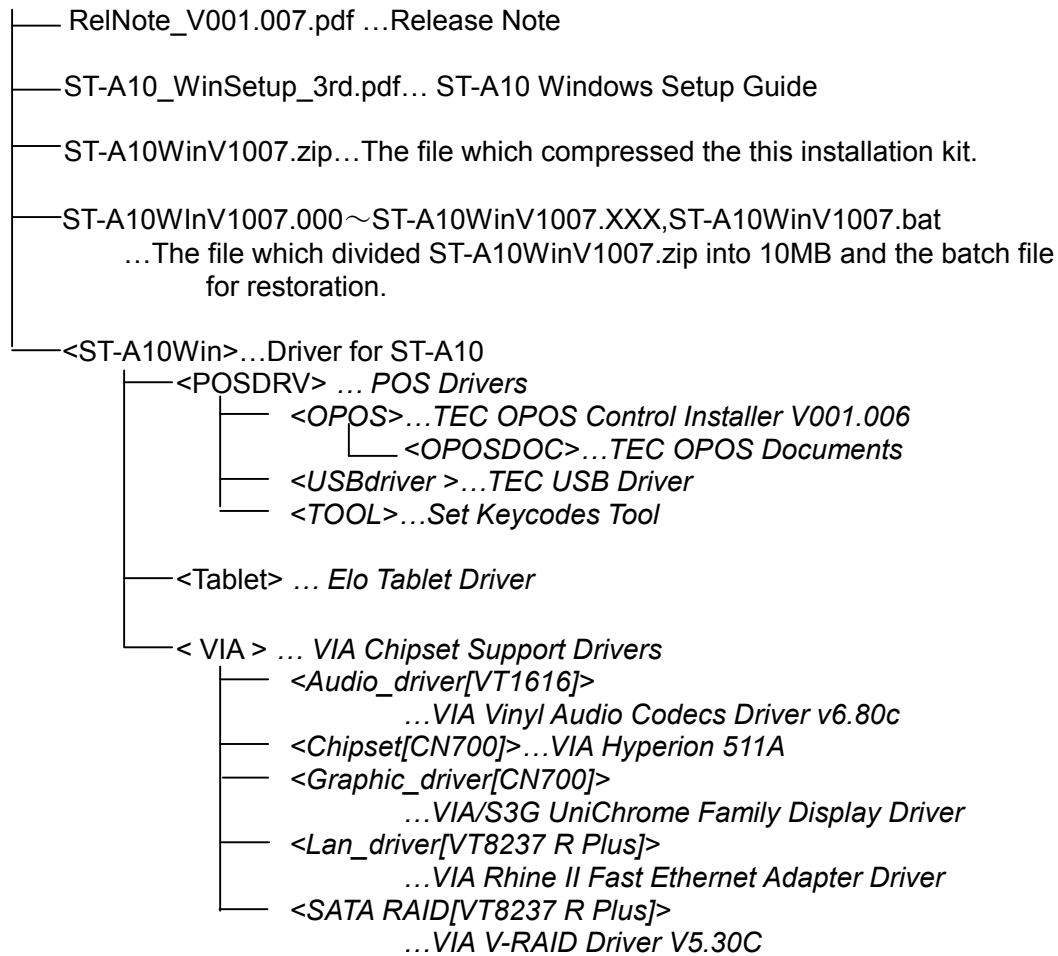
Add Tool

- Add SetPOSKB (V2.0.0.0)

Folder Configuration

The Folder Configuration is as follows:

<ROOT>



Modules List

OPOS installer

Filename	Version	Date	Time	
Oposdisp.ocx	1.0.0.3	2000/12/19	19:00:46	LineDisplay OPOS CO
Liust51.dll	1.2.0.14	2004/10/07	16:59:40	LIUST-51 LineDisplay OPOS SO
Liuwd111.dll	1.2.0.15	2009/12/8	9:36:11	LIUWD-111 LineDisplay OPOS SO
KEYLOCK.ocx	1.11.0.1	2008/06/16	10:11:20	Keylock OPOS CO
eKeyOPOS.dll	1.11.0.1	2008/06/17	10:11:54	iButton OPOS SO
Pkbst.dll	1.0.0.2	2000/12/19	18:59:38	PS/2 PKBST Keylock OPOS SO
KEYLCKUB.dll	1.9.0.0	2006/10/10	15:57:34	USB PKBST Keylock OPOS SO
MSR.ocx	1.8.0.0	2007/02/07	18:32:40	MCR OPOS CO
MCRRMS.dll	1.8.0.2	2008/08/21	14:17:24	ST-A10 MSR OPOS SO
St55msr.dll	1.0.0.2	2005/07/08	19:06:02	PS/2 PKBST MSR OPOS SO
USBMSR.dll	1.8.0.4	2008/10/14	10:27:10	USB PKBST MSR OPOS SO
Oposdrw.ocx	1.8.0.0	2009/04/02	13:56:02	CashDrawer OPOS CO
DRWSO.dll	1.2.0.6	2004/05/31	19:37:28	DRST-5x OPOS SO
Drwex.dll	1.2.0.4	2004/05/31	19:35:56	DRST-5x OPOS SO(Extension)
DRWA1U.dll	1.8.0.1	2009/10/20	22:46:53	TRSTA1U(USB) Cash Drawer OPOS SO
DRWA1S.dll	1.8.0.2	2010/1/21	20:52:19	TRSTA1S(RS232C) Cash Drawer OPOS SO
DRWA1P.dll	1.8.0.1	2009/10/20	22:48:03	TRSTA1P(Parallel) 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
Rsscanso.dll	1.2.0.12	2006/08/04	15:31:28	HS-5x0 Serial Scanner OPOS SO
RSscanEX.dll	1.2.0.8	2004/01/15	12:42:46	HS-5x0 Serial Scanner OPOS SO (Extension)
OPOSPrinter.ocx	1.8.0.0	2004/10/13	15:39:10	POSPrinter OPOS CO
TRSTA1U.dll	1.8.0.35	2010/1/19	22:47:22	TRSTA1U(USB) POS Printer OPOS SO
TRSTA1S.dll	1.8.0.35	2010/1/20	14:31:23	TRSTA1S(RS232C) POS Printer OPOS SO
TRSTA1P.dll	1.8.0.35	2010/1/20	12:39:22	TRSTA1P(Parallel) POS Printer OPOS SO
TRSTA1L.dll	1.8.0.35	2010/1/20	12:36:54	TRSTA1L(LAN) POS Printer OPOS SO
OPOCHK.exe	1.0.0.6	2009/10/20	20:10:44	Toshiba TEC OPOS Check Health Application
SetBitmapTool.exe	1.0.0.1	2009/10/16	19:46:45	Bitmap Registration to Flash ROM
oposevmg.dll	1.2.0.4	2003/06/10	10:23:58	OPOS Event Manager Library
logMgr.dll	1.0.1.4	2004/10/04	15:13:08	Toshiba TEC LOG 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
MSCOMCTL.ocx	6.1.95.45	2002/12/20	14:02:44	Windows Common Controls ActiveX Control DLL
comdlg32.ocx	6.0.84.18	2000/05/22	16:58:00	Microsoft CDialog ActiveX Control DLL
Tecpos.cpl	2.0.0.25	2010/2/23	18:41:54	Toshiba TEC Control Applet
TECUSB.dll	1.0.0.5	2008/07/24	21:17:14	Toshiba TEC USB Library
TECShareUSB.dll	1.0.0.2	2009/10/26	22:45:03	TRST-A1x USB port share library
TECShareSerial.dll	1.0.0.2	2009/10/26	20:39:54	TRST-A1x Serial port share library
TECShareParallel.dll	1.0.0.2	2009/10/26	22:29:42	TRST-A1x Parallel port share library
TECShareLAN.dll	1.0.0.2	2009/10/26	22:35:46	TRST-A1x LAN port share library
TECSUSBMgr.exe	1.0.0.2	2009/10/26	22:41:23	TRST-A1x USB port share driver
TECSSerialMgr.exe	1.0.0.2	2009/10/26	22:42:16	TRST-A1x Serial port share driver
TECSParallelMgr.exe	1.0.0.2	2009/10/27	20:42:35	TRST-A1x Parallel port share driver
TECSLANMgr.exe	1.0.0.2	2009/10/26	22:36:14	TRST-A1x LAN port share driver
kbfilter.sys	5.0.1636.1	2009/01/14	11:33:26	PS/2 Keyboard Filter Driver
KBFInst.exe	-	2007/07/12	22:39:34	PS/2 Keyboard Filter Driver's Installer
KBFInst.inf	-	2007/07/12	21:20:12	PS/2 Keyboard Filter Driver Setup INF file
KeyMonHk.dll	2.0.0.2	2003/09/01	17:17:10	Keyboard Hook Library
mkmgr.exe	1.0.0.0	2007/04/02	14:05:20	PS/2 Keyboard Msr & Keylock Control Program
Posesc32.dll	2.0.0.4	2010/1/29	13:19:31	PS/2 Keyboard Library
UsbKbMgr.exe	1.0.0.8	2009/5/18	8:20:41	USB Keyboard Msr & Keylock Control Program
POSESC32.dll	1.0.0.6	2009/10/6	13:52:09	USB Keyboard Library
DRW.INF	-	2007/07/05	17:20:00	CashDrawer Driver Setup INF file
DRVDRW.sys	001.126	2009/11/10	15:52:04	CashDrawer Driver
install.exe	-	2001/05/22	15:05:12	Driver's Installer

USB driver

Filename	Version	Date	Time	
Tecusbdriver.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 V001.007

ST-A10WinV1007.000

ST-A10WinV1007.001

ST-A10WinV1007.002

ST-A10WinV1007.003

ST-A10WinV1007.004

ST-A10WinV1007.005

ST-A10WinV1007.006

ST-A10WinV1007.007

ST-A10WinV1007.008

ST-A10WinV1007.009

ST-A10WinV1007.bat

Execution of “ST-A10WinV1007.bat” restores “ST-A10WinV1007.zip” to the same place as “ST-A10WinV1007.bat”.

~~**NOTE:** PKBST-50 supports only Windows XP, WEPOS and POSReady 2009.~~

NOTE: In case of installing PKBST-50 on POSReady2009, refer to the “OposCaution.pdf”.

NOTE: About uninstallation, installer doesn't delete drivers automatically. Please uninstall drivers manually.

1. Open “Device Manager”.
2. Right Click on the particular device that you want to uninstall then select “uninstall”.