

ST-A20 JavaPOS Driver Kit Release Notes

Table of Contents

Overview	2
Supported	2
Supplies	3
Change History	5
Folder Configuration	6
Module List	7
Notice	11

Overview

This Kit is JavaPOS Driver Kit V001.005. We provide “Device Health Check Program” to test JavaPOS Device Services other than JavaPOS Device Services.

Refer to a “JavaPOS Kit Operation Manual.pdf” for the details such as the usage.

Supported

Operating Systems

- Windows 2000
- Windows XP
- WEPOS
- Windows Vista
- SUSE Linux Enterprise Desktop 10 SP1(SLED10 SP1)
- SUSE Linux Enterprise Desktop 11(*noneSP1) (SLED11)

JavaVM

- Java2 SDK, Standard Edition Version 1.4.2

Devices

[Keylock]

- KITST-A10-BTNK
- PKBST-52 Keylock

[CashDrawer]

- DRWST-5x Cash Drawer
- DRWST-5x Cash Drawer (Extension)
- Cash Drawer connected to TRST-Axx

[LineDisplay]

- LIUST-A10
- WD-111

[MSR]

- MCRST-A10
- PKBST-52 MSR

[Scanner]

- HS-530-RS Serial Barcode Scanner
- HS-530-RS Serial Barcode Scanner (Extension)

[POSPrinter]

- TRST-A10-P-QM-R, TRST-A10-S-QM-R, TRST-A10-U-QM-R, TRST-A10-L-QM-R
- TRST-A15-P-QM-R, TRST-A15-S-QM-R, TRST-A15-U-QM-R
- TRST-A10-P-CN-R, TRST-A10-S-CN-R, TRST-A10-U-CN-R
- TRST-A15-P-CN-R, TRST-A15-S-CN-R, TRST-A15-U-CN-R
- TRST-A00-UF-QM-R, TRST-A00-DF-QM-R, TRST-A00-UC-QM-R, TRST-A00-DC-QM-R

Supplies

The ST-A20 JavaPOS Driver Kit supplies the following items:

- JavaPOS Device Service
- CashDrawer driver
- Linux iButton driver
- Linux compat kbd
- Linux Keyboard patch
- Keyboard driver
- TECUSB driver
- Device Health Check Program
- Sample Program

JavaPOS Device Service

The followings are the CashDrawer, iButton, LineDisplay, MSR and Scanner Device Services that are supported by TEC.

- CashDrawer Device Service V001.011.000
- Keylock Device Service V001.011.002
- LineDisplay Device Service V001.011.003
- MSR Device Service V001.011.003
- Scanner Device Service V001.011.000
- POSPrinter Device Service V001.011.003

CashDrawer Driver

The following are the CashDrawer Drivers that are supported by TEC

- CashDrawer driver
- CashDrawer JNI

Keyboard Driver

The following are the Linux iButton Drivers that are supported by TEC

- USB Keyboard driver
- TECPKBFilter driver
- TECPKBFilter JNI

Linux compat kbd

The following is the Linux compat kbd Driver that are supported by TEC

- Keyboard compatibility driver

Linux Keyboard patch

The following is the Linux Keyboard patch that are supported by TEC

- Patch file of Keyboard drivers

Linux iButton Driver

The following are the Linux iButton Drivers that are supported by TEC

- iButton driver
- iButton JNI

TECUSB Driver

The following are the TECUSB Drivers that are supported by TEC

- Windows TECUSB driver
- Windows TECUSB JNI

TEC RXTX Parallel Library Source

The following is the RXTX Parallel port library customized by TEC.

- TEC RXTX Parallel library Source

Device Health Check Program

The following is the Device Health Check Program that is supported by TEC.

- Device Health Check Program

Sample Program

The following is the Sample Program that is supported by TEC. This is a project folder. Open with IDE.

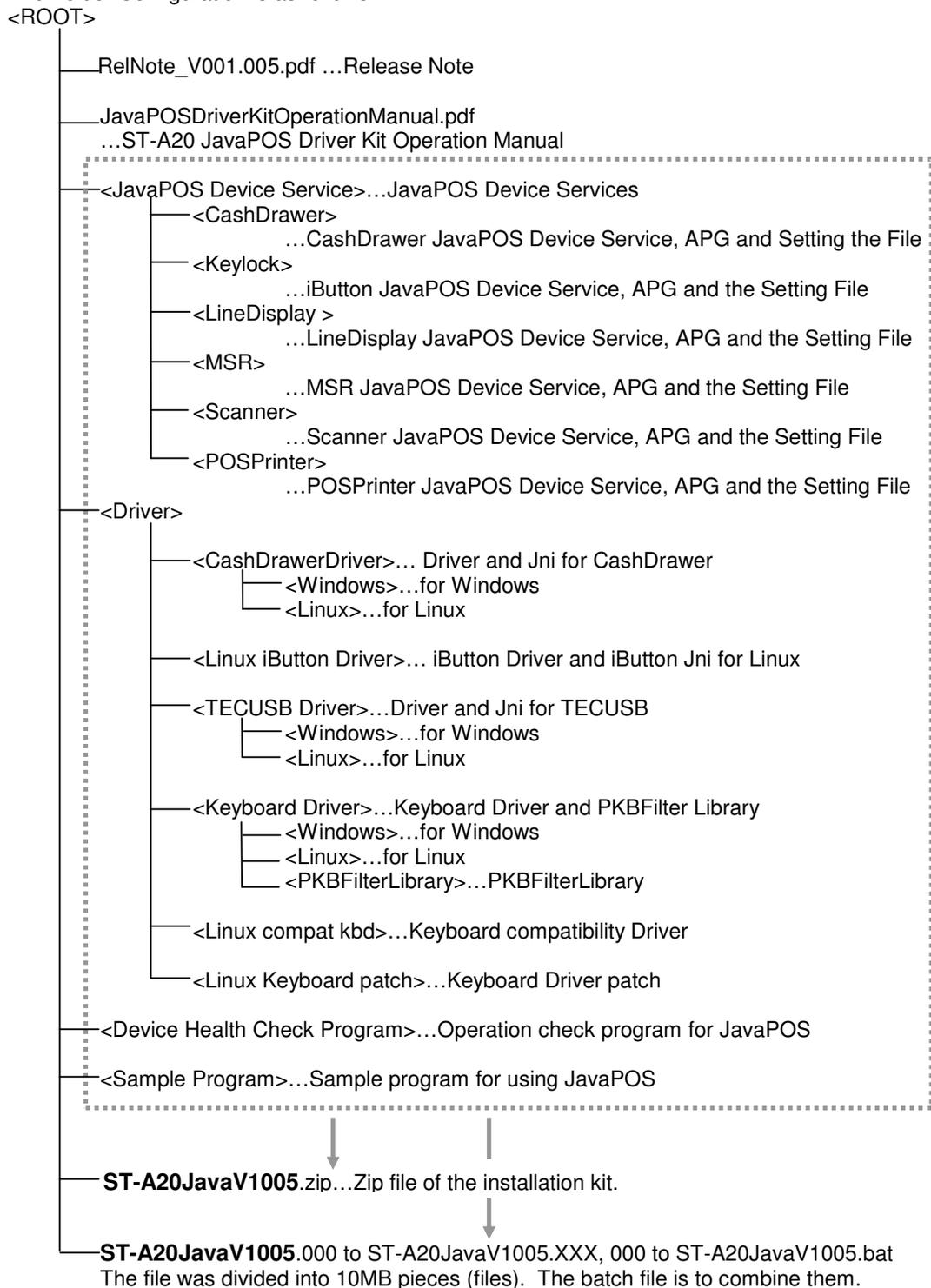
- Sample Program

Change History

V001.000	New Release.
V001.001	Add POSPrinter JavaPOS Device Service <ul style="list-style-type: none">• Add support device : TRSTA1xU,TRSTA1xS, *TRSTA1xDRW (* It is the CashDrawer produced by Epson of the TRST-A1x POS Printer connection.)
V001.002	Update POSPrinter JavaPOS Device Service (V001.011.000 -> V001.011.001) Update the following modules related to POSPrinter JavaPOS. Windows TECUSB JNI (V001.000 -> V001.001) Linux TECUSB driver (V001.000 -> V001.001) Linux TECUSB library (V001.000 -> V001.001) Linux TECUSB JNI (V001.000 -> V001.001) TEC RXTX Parallel Library (V001.000) <ul style="list-style-type: none">• Add support device : TRSTA1xP• Improvement of USB power management for Windows• Corrective action of the printing logic of "Code128 with parsing"• Performance improvement of Linux USB• Specifications change of "RecLetterQuality" property
V001.003	Update Keylock JavaPOS Device Service (V001.011.000-> V001.011.002) <ul style="list-style-type: none">• Add support device : PKBST-52 Keylock Update LineDisplay JavaPOS Device Service (V001.011.000 -> V001.011.003) <ul style="list-style-type: none">• Add support device : WD-111 Update MSR JavaPOS Device Service (V001.011.001 -> V001.011.003) <ul style="list-style-type: none">• Add support device : PKBST-52 MSR Update POSPrinter JavaPOS Device Service (V001.011.001 -> V001.011.003) <ul style="list-style-type: none">• Add support device : TRSTA1xL, TRSTA00S, TRSTA00U Update the following modules related to POSPrinter JavaPOS. Windows TECUSB JNI (V001.001 -> V001.002) Linux TECUSB JNI (V001.001 -> V001.003) Linux TECUSB Library (V001.001 -> V001.002) Linux TECUSB Driver (V001.001 -> V001.002) Add the following modules related to MSR and Keylock JavaPOS. Keyboard driver and PKBFilter Library
V001.004	• Add support OS : SUSE Linux Enterprise Desktop 11
V001.005	Update cash drawer system driver (V001.124 → V1.128)

Folder Configuration

The Folder Configuration is as follows:



Module List

JavaPOS Device Service

The followings are the CashDrawer, iButton, LineDisplay, MSR, POSPrinter and Scanner Device Services that are supported by TEC.

Filename	Version	Date	Time	
TEC JavaPOS - CashDrawer APG.pdf	2nd	2010/06/14	10:47:54	CashDrawer JavaPOS Application Programmer's Guide.
TECCashDrawer.xml	-	2008/07/23	08:37:08	CashDrawer JavaPOS setting file
TECCashDrawerService.jar	V001.011.000	2008/07/18	18:43:03	CashDrawer JavaPOS Device Service
TEC JavaPOS - Keylock APG.pdf	4th	2010/06/14	9:44:35	Keylock JavaPOS Application Programmer's Guide.
TECKeystick.xml	-	2010/03/03	0:30:47	Keylock JavaPOS setting file
TECKeystickService.jar	V001.011.002	2009/12/02	12:13:29	Keylock JavaPOS Device Service
TEC JavaPOS - LineDisplay APG.pdf	4th	2010/06/14	10:41:21	LineDisplay JavaPOS Application Programmer's Guide.
TECLineDisplay.xml	-	2010/03/16	11:23:26	LineDisplay JavaPOS setting file
TECLineDisplayService.jar	V001.011.003	2009/09/11	15:21:26	LineDisplay JavaPOS Device Service
TEC JavaPOS - MSR APG.pdf	4th	2010/06/14	9:37:52	MSR JavaPOS Application Programmer's Guide.
TECMSR.xml	-	2010/03/16	11:41:40	MSR JavaPOS setting file
TECMSRService.jar	V001.011.003	2009/10/20	18:32:30	MSR JavaPOS Device Service
TEC JavaPOS - POSPrinter APG.pdf	5th	2010/06/14	10:52:35	POSPrinter JavaPOS Application Programmer's Guide.
TECPOSPrinter.xml	-	2010/03/02	16:39:33	POSPrinter JavaPOS setting file
TECPOSPrinterService.jar	V001.011.003	2009/12/17	20:53:09	POSPrinter JavaPOS Device Service
TEC JavaPOS - Scanner APG.pdf	1st	2008/08/01	13:27:02	Scanner JavaPOS Application Programmer's Guide.
TECScanner.xml	-	2008/06/26	21:43:30	Scanner JavaPOS setting file
TECScannerService.jar	V001.011.000	2008/07/29	12:35:33	Scanner JavaPOS Device Service

CashDrawer Driver

The following are the CashDrawer Drivers that are supported by TEC (for Windows 2000, XP, WEPOS, Vista, 7)

Filename	Version	Date	Time	
DRVDRW.sys	4.0.1381.1	2014/09/12	15:08:17	CashDrawer Driver
DRW.INF	-	2008/02/14	10:44:22	CashDrawer Driver INF file
drw.reg	-	2008/05/19	12:09:44	CashDrawer Driver REG file
install.exe	-	2001/05/22	15:05:12	Windows Driver installer
SETUP.BAT	-	2009/02/26	11:17:14	CashDrawer Setup file
TECCashDrawerJni.dll	-	2008/03/22	11:51:12	CashDrawer JNI

The following are the CashDrawer Drivers that are supported by TEC (for Linux)

Filename	Version	Date	Time	
drw.ko	V004.000	2008/03/03	12:12:04	CashDrawer Driver(for SLED10 SP1)
drw.ko	V005.000	2009/10/30	17:12:50	CashDrawer Driver(for SLED11)
libTECCashDrawerJni.so.0.0	-	2008/02/29	21:35:52	CashDrawer JNI

TOSHIBA TEC CORPORATION

Linux iButton Driver

The following are the Linux iButton Drivers that are supported by TEC (for Linux)

Filename	Version	Date	Time	
usbibutton.ko	V001.001	2008/07/07	19:25:10	iButton Electronic KeyLock Driver (for SLED10 SP1)
usbibutton.ko	V001.002	2010/01/05	13:34:44	IButton Electronic KeyLock Driver (for SLED11)
load_usbibutton	-	2007/04/23	19:34:40	Load module file (for SLED10 SP1)
load_usbibutton	-	2009/12/24	11:49:50	Load module file (for SLED11)
libTECiButtonJni.so	V001.001	2008/02/29	7:44:44	IButton JNI
tec_w1-2.6.27.patch	-	2009/12/24	16:52:08	

Keyboard Driver

The following are the PKB Filter Drivers that are supported by TEC (for Windows 2000, XP, WEPOS, Vista, 7)

Filename	Version	Date	Time	
LogMgr.dll	1.0.1.4	2004/10/04	15:13:08	Log Manager Library
raslibc.dll	1.2.0.4	2004/08/06	13:05:24	
TECPKBFilterJNI.dll	1.0.0.1	2009/08/25	17:29:56	PKBFilter JNI
USB_W2K_SETUP.BAT		2010/03/24	0:12:03	USB Keyboard Driver Setup program for Windows 2000
USB_XP_WEPOS_Vista_7_SETUP.BAT	-	2010/03/23	15:06:55	USB Keyboard Driver Setup program for Windows XP, WEPOS, Vista, 7
POSESC32.dll	1.0.0.6	2009/10/06	13:52:09	USB Keyboard Library
W2K_KeyboardUSB.reg	-	2010/03/24	0:10:17	USB Keyboard Driver REG file for Windows 2000
KeyboardUSB.reg	-	2009/11/04	15:04:04	USB Keyboard Driver REG file for Windows XP, WEPOS, Vista, 7
UsbKbMgr.exe	1.0.0.8	2009/05/18	08:20:42	USB Msr & Keylock Control program

TOSHIBA TEC CORPORATION

The following are the Keyboard Drivers that are supported by TEC (for Linux)

Filename	Version	Date	Time	
libTECPKBFilterJNI.so.0.0	-	2010/03/10	14:19:04	POS Keyboard Filter JNI
usbposkbd.ko	V002.000	2010/03/18	09:32:36	USB POS Keyboard Driver (for SLED10 SP1)
usbposkbd.ko	V002.000	2009/11/12	08:13:50	USB POS Keyboard Driver (for SLED11)

The following are the PKB Filter Library that are supported by TEC

Filename	Version	Date	Time	
TECPKBFilter.jar	-	2009/08/28	18:49:09	PKB Filter Library

TECUSB Driver

The following are the TECUSB Drivers that are supported by TEC (for Windows 2000, XP, WEPOS, Vista, 7)

Filename	Version	Date	Time	
LogMgr.dll	1.0.1.4	2004/10/04	15:13:08	Log Manager Library
TECUSB.dll	1.0.0.5	2008/07/24	21:17:14	TECUSB Library
TECUSB_LIBRARY_SETU P.BAT	-	2010/03/16	15:28:26	TECUSB Setup file
Tecusbd.sys	1.0.0.7	2004/11/25	20:45:00	TECUSB Driver
TecUSBDEx.INF	-	2009/09/02	14:57:28	TECUSB install information
TECUSBJNI.dll	V001.002	2009/11/02	20:15:39	TECUSB JNI
TECUSBPM.exe	V001.001	2008/10/28	14:58:13	

The following are the TECUSB Drivers that are supported by TEC (for Linux)

Filename	Version	Date	Time	
libtecusb.so.0.0	V001.002	2010/03/05	09:46:32	TECUSB Library
libTECUSBJNI.so.0.0	V001.003	2009/12/09	09:23:00	TECUSB JNI
tecusbd.ko	V001.002	2010/03/18	20:20:06	TECUSB Driver (for SLED10 SP1)
tecusbd.ko	V001.002	2010/02/22	13:28:40	TECUSB Driver (for SLED11)

Linux Keyboard patch

The following is the Keyboard Driver's patch that is supported by TEC (for Linux)

Filename	Version	Date	Time	
tec_kbd-2.6.11.patch	-	2006/09/11	18:04:28	Keyboard Driver's patch (for SLED10 SP1)
tec_kbd-2.6.27.patch	-	2009/10/13	09:29:36	Keyboard Driver's patch (for SLED11)

TOSHIBA TEC CORPORATION

Linux Compat kbd

The following is the Keyboard compatibility Driver that is supported by TEC (for Linux)

Filename	Version	Date	Time	
compat_keyb.ko	-	2008/07/03	22:14:14	Keyboard compatibility Driver (for SLED10 SP1)
compat_keyb.ko	-	2010/02/22	13:27:18	Keyboard compatibility Driver (for SLED11)

Notice

NOTE 1: Regarding the zip file, please save the divided files into a same folder in the HDD.

ex) When a version is V001.000
ST-A20V1000.000
ST-A20V1000.001
ST-A20V1000.002
ST-A20V1000.003
ST-A20V1000.bat

Execution of “ST-A20V1000.bat” restores “ST-A20V1000.zip” to the same place as “ST-A20V1000.bat”.

NOTE2: In case of using TRST-A1x-U on Windows, TECUSBPM.exe is needed. This is new module from TRST-A1x JavaPOS Driver Kit V001.001.

NOTE3: RXTX Parallel library used by TRST-A1x-P is not standard RXTX Library. This is customized by TTEC. RXTX is LGPL, so source file customized by TTEC is bundled with this kit.

NOTE4: In case of using TRST-A1x-P on Windows, “rxtxParallel.dll” and “rxtxSerial.dll” is needed. In case of using TRST-A1x-P on Linux, “librxtxParallel.so” and “librxtxSerial.so” is needed.

NOTE5: Scanner JavaPOS Device Service does not support HS-530-RS under SLED11.

NOTE6: This driver kit does not support SLED11 SP1.