

How to install OPOS or JavaPOS on TSP100 Series on Windows OS

Application Note Number: 289

Introduction

This application note shows how to install OPOS or JavaPOS driver on the Star TSP100 printer on Windows OS. **Note:** For this application note, the TSP100ECO (TSP143II) will be used.

Supported Printers: TSP100series (TSP143IIW, TSP143II, TSP113U, TSP143U, TSP143Lan, TSP113Lan)Supported Interfaces: Wireless, Ethernet, USB, PoweredUSBSupported Environments: Windows 10 (32bit/64bit), Windows 8 (32bit/64bit), Windows 8 (32bit/64bit), Windows 7 (32bit/64bit)Star Tools Needed:futurePRNT driver for TSP100Supported Video:Click Here for Video

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I. Installing OPOS driver for TSP100

a. **OPOS Printer**

1. Ensure the TSP100 futurePRNT driver is installed on the PC. For installation, instructions, choose the printer connection type to find documentation on Star's FAQ Site:

TSP100 USB Printers

TSP100 Ethernet Printer

2. Open the Configuration Utility.

On Windows 8 and 10: Click on Start button -> All Apps -> Star Micronics -> Star TSP100







On Windows 7: Clicking on Start button -> All Programs -> Star Micronics -> Star TSP100 -> Configuration Utility.

StarMicronics	
📗 Star TSP100	
📢 Configuration Utility	
💅 Ethernet Setup Tool	
🛃 Uninstall	-
4 Back	
Search programs and files	
(3)	

3. Select Star Line Mode (default) and click OK.

📢 Select An Emulation	Х
Please choose the emulation that you wish to configure.	
Star Line Mode (default)	
ок]

4. On the left side menu, select **OPOS**.







5. Under OPOS POSPrinter Device Names, select the following for Control Object Registration:

- A. Not Selected when no control object is registered
- B. OPOS CCO (Recommend)- when OPOS Common control object is registered
- C. **Star CCO** when Star Common Control object is registered



6. Click on Add New.







7. A new window will appear. You can leave the default name or change the printer name then click OK.

Note: Default name is Star TSP100 Cutter (TSP143)_1

🜠 Add OPOS Device	×
Please enter the new device name.	ОК
Print Width 72mm 51mm	Cancel
180dpi compatible mode	
Star TSP100 Cutter (TSP143)_1	

8. Click on Apply Changes.







9. Select the printer name (E.G. Star TSP100 Cutter (TSP143)_1)and click Check Health.



10. A message will appear on your computer that **Check Health** was successfully.

Check Health		×
Check Health Completed	Successfully	
	ОК	

11. The printer will print out the following:

Bold (<esc> bC)</esc>	
Underline (<esc>I#uC)</esc>	
StarMicronics	
Reverse video (<esc> rvC) StarMicronics</esc>	
Single high & wide (<esc> 1C)</esc>	

- 12. Congratulations! You have successful installed OPOS Printer driver with TSP100 on Windows OS.
- 13. Continue to configuration OPOS CashDrawer with the TSP100 on Windows OS.





b. OPOS CashDrawer

- 1. Under OPOS CashDrawer, select the following for Control Object Registration:
 - A. Not Selected when no control object is registered
 - B. OPOS CCO (Recommend)- when OPOS Common control object is registered
 - C. **Star CCO** when Star Common Control object is registered

ECO Settings	OPOS POSPrinter Device Names		
Print Tests	Control Object Registration	A 44 1	
	OPOS CCO	~	
g OPOS	Star TSP100 Cutter (TSP143)_1	Add New	
JavaPOS		Delete	
,		Configure	
Serial Ports		Check Health	
Image List		Sample Application	
Logos & Cropping	OPOS CashDrawer		
Text Processing	Control Object Registration		
	Not Selected		
Barcodes		~	
Barcodes	Not Selected	Add New	
Barcodes Journal	Not Selected OPOS CCO Star CO	Add New Delete	

2. Click Add New.

}	ECO Settings	OPOS POSPrinter Device Names		
•?	Print Tests	Control Object Registration		
	OPOS	OPOS CCO	~	
9	0103	Star TSP100 Cutter (TSP143)_1	Add New	
3	JavaPOS		Delete	
9			Configure	
	Serial Ports		Check Health	
80 19	Image List		Sample Application	
0	Logos & Cropping	OPOS CashDrawer		
	Text Processing	Control Object Registration		
	Barcodes	OPOS CCO	~	
1	Journal		Add New Delete Configure	





3. A new window will appear. You can leave the default name or change the cash drawer name then click **OK.**

Note: Default name is Star TSP100 Cutter (TSP143)_1

Add OPOS CashDrawer device	×
Please enter the new OPOS CashDrawer device na	me OK
	Cancel
Star TSP100 Cutter (TSP143)_1	

4. Click on Apply Changes.







5. Select the cash drawer name (E.G. Star TSP100 Cutter (TSP143)_1)and click Check Health.



6. A message will appear that it was successful and the cash drawer opened.

Check H	Health	Х
Succe	ss	
	ОК	

7. Congratulations! You have successful installed OPOS CashDrawer with TSP100 on Windows OS.





II. Installing JavaPOS driver for TSP100

a. JavaPOS Printer

1. Ensure the TSP100 futurePRNT driver is installed on the PC. For installation, instructions, choose the printer connection type to find documentation on Star's FAQ Site:

TSP100 USB Printers

TSP100 Ethernet Printer

Open the Configuration Utility.
 On Windows 8 and 10: Click on Start button -> All Apps -> Star Micronics -> Star TSP100



On Windows 7: Clicking on Start button -> All Programs -> Star Micronics -> Star TSP100 -> Configuration Utility.

StarMicronics	
鷆 Star TSP100	
🙀 Configuration Utility	
🚧 Ethernet Setup Tool	
🛃 Uninstall	+
◀ Back	
Search programs and files	٩





3. Select Star Line Mode (default) and click OK.



4. On the left side menu, select JavaPOS.







5. Click on Create JavaPOS XML Registry File.



6. Store the Jpos file in any certain location you like and then click on Save.







7. Click on Add New.

🜠 Star Micronics TSP100 Configura	ation (Star Line Mode)	— 🗆 X	
File(F) View(V) ECO(E) Manage	ement(M) Help(H)		
Information	and the second se		
General Settings	JavaPOS Settings	star	
Star Cloud Services			
ECO Settings	Create JavaPOS XML Registry File		
Ecco Settings	Load JavaPOS XML Registry File		
Print Tests	PARK STATE AND	1	
OPOS	POSPrinter		
		Add New	
lavaPOS		Ditt	
Serial Ports		Delete	
		Configure	
Image List		Check Health	
Logos & Cropping			
Taxt Processing	CashDrawer		
Text Processing		Add Now	
Barcodes	-	Add New	
W. Journal		Delete	
(Ye) codinia		Configure	
Vertical Mount	-	Check Health	
F Printer Font		CHOCK HOBILIT	
	Apply Changes	Close	

8. A new window will appear. You can leave the default name or change the printer name then click **OK**.

Note: Default name is Star TSP100 Cutter (TSP143)_1







9. Click on Apply Changes.

File(F) View(V) ECO(E)	Management(M) Help(H)	
Information		
🔣 General Settings	JavaPOS Settings	Scole
🚓 Star Cloud Services	Co To I	
	Create JavaPOS XML Regist	ry File
ECO Settings	Load JavaPOS XML Registr	y File
Print Tests	12-6 C - 6	7
OPOS	POSPrinter	
IavaPOS	Star TSP100 Cutter (TSP143)_1	Add New
		Delete
Serial Ports		Configure
🔢 Image List		Check Health
Logos & Cropping		
Toxt Processing	CashDrawer	
M Text Processing		Add New
Barcodes		Dalata
🐙 Journal		Delete
Vertical Mount		Configure
		Check Health
F Printer Font	×	

10. Select the printer's name and click on Check Health.

JavaPOS Settings	star		
Create JavaPOS XML Registry File			
Load JavaPOS XML Registry File			
Star TSP100 Cutter (TSP143)_1	Add New		
	Delete		
	Configure		
	Check Health		





11. A message will appear on your computer that **Check Health** was successfully.

som.starmicronics.starjavapos.CheckHealthExecuter		X	_
Success!			^
checkHealthText = Doing checkHealth checking receipt station success!			Ŧ
4		Þ	зđ

12. The printer will print out the following:

TSP100 - Check	Health	
bold <u>underline</u> reverse 2× wide 2x high		
2x wide	2x high	
normal		right aligment

- 13. Congratulations! You have successful installed OPOS Printer driver with TSP100 on Windows OS.
- 14. Continue to <u>configuration JavaPOS CashDrawer with the TSP100</u> on Windows OS.





b. JavaPOS CashDrawer

1. Click on Add New.

	¶ير¢ S	tar Micronics TSP100 C	nfiguration (Star Line Mode)
	File((F) View(V) ECO(E)	Management(M) Help(H)
	(i)	Information General Settings	JavaPOS Settings
	62	Star Cloud Services	
		ECO Settings	Create JavaPOS XML Registry File
	_		Load JavaPOS XML Registry File
	•?	Print Tests	
	0	OPOS	
	3	JavaPOS	Star TSP100 Cutter (TSP143)_1 Add New
İ		Costal Data	Delete
		Senai Fons	Configure
	쁥쁲	Image List	Check Health
	0	Logos & Cropping	
	1	Text Processing	CashDrawer
			Add New
		Barcodes	Delete
	%	Journal	
	7	Vertical Mount	
		Drinter Faut	Check Health
	F	FILTER FOR	v
			Apply Changes Close

2. A new window will appear. You can leave the default name or change the CashDrawer name then click **OK.**

Note: Default name is Star TSP100 Cutter (TSP143)_CashDrawer_1

Add JavaPOS Device	X
Please enter the new device name.	OK Cancel
Star TSP100 Cutter (TSP143)_CashDrawer_1	





3. Click on Apply Changes.



4. Select the cash drawer name (E.G. Star TSP100 Cutter (TSP143)_CashDrawer_1)and click Check Health.

	OPOS	POSPrinter	
	JavaPOS	Star TSP100 Cutter (TSP143)_1	Add New
	uavai 05		Delete
	Serial Ports		Configure
11 1 12	Image List		Check Health
0	Logos & Cropping		Check Hould
<i></i>	Text Processing		
	Barcodes	Star TSP100 Cutter (TSP143)_CashDrawer_1	Add New
			Delete
1	Journal		Configure
7	Vertical Mount		Chaol: Health
F	Printer Font		
		Apply Changes	Close





5. A message will appear that it was successful and the cash drawer opened.



6. Congratulations! You have successful installed JavaPOS CashDrawer with TSP100 on Windows OS.





Sig

Star Micronics is a global leader in the manufacturing of small printers. We apply over 50 years of knowhow and innovation to provide elite printing solutions that are rich in stellar reliability and industry-respected features. Offering a diverse line of Thermal, Hybrid, Mobile, Kiosk and Impact Dot Matrix printers, we are obsessed with exceeding the demands of our valued customers every day.

We have a long history of implementations into Retail, Point of Sale, Hospitality, Restaurants and Kitchens, Kiosks and Digital Signage, Gaming and Lottery, ATMs, Ticketing, Labeling, Salons and Spas, Banking and Credit Unions, Medical, Law Enforcement, Payment Processing, and more!

High Quality POS Receipts, Interactive Coupons with Triggers, Logo Printing for Branding, Advanced Drivers for Windows, Mac and Linux, Complete SDK Packages, Android, iOS, Blackberry Printing Support, OPOS, JavaPOS, POS for .NET, Eco-Friendly Paper and Power Savings with Reporting Utility, ENERGY STAR, MSR Reading, *future*PRNT, StarPRNT... How can Star help you fulfill the needs of your application?

Don't just settle on hardware that won't work as hard as you do. Demand everything from your printer. Demand a Star!

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