

PayPoint[®] Plus for Windows[®] Quick Start Guide

Version 1.0.0

Copyright © 2019 Elo Touch Solutions, Inc. All Rights Reserved.

No part of this publication may be reproduced, transmitted, transcribed, stored in a retrieval system, or translated into any language or computer language, in any form or by any means, including, but not limited to, electronic, magnetic, optical, chemical, manual, or otherwise without prior written permission of Elo Touch Solutions, Inc.

Disclaimer

The information in this document is subject to change without notice. Elo Touch Solutions, Inc. and its Affiliates (collectively "Elo") makes no representations or warranties with respect to the contents herein, and specifically disclaims any implied warranties of merchantability or fitness for a particular purpose. Elo reserves the right to revise this publication and to make changes from time to time in the content hereof without obligation of Elo to notify any person of such revisions or changes.

Trademark Acknowledgments

Elo, Elo (logo), Elo Touch, Elo Touch Solutions and PayPoint, are trademarks of Elo and its Affiliates.

Revisions

Date	Description
6/18/2019	Initial release
8/8/2019	Added information to "Barcode Scanner Setup" section covering exporting/importing configuration files and printing configuration barcodes.

Table of Contents

Overview - PayPoint Plus for Windows	1
Barcode Scanner Setup	2
Receipt Printer and Cash Drawer Setup (Windows)	8
Receipt Printer and Cash Drawer Setup (OPOS)	13
Magnetic Stripe Reader Setup	22
Install/Configure Honeywell EasyDL™ Plugin	23
Documentation	26
Setup Checklist - PayPoint Plus for Windows	27



Overview - PayPoint Plus for Windows

The PayPoint Plus for Windows is an All-In-One point-of-sale (POS) solution that is both stylish and functional. The system comes with a rotating 15.6-inch touchscreen display, fully-integrated peripherals – 2D barcode scanner, 3-inch receipt printer, encryptable MSR, and full-sized 16-inch cash drawer – and plenty of ports for additional third-party peripherals. Under the hood is a powerful Intel

8th generation i5 processor, 8GB of RAM (expandable to 32GB), 128GB Solid State Drive (SSD), and running on Windows 10. You can even order a PayPoint Plus with no OS, enabling you to install your own SUSE Linux or Ubuntu operating systems.

Key Specifications

Operating System	Windows 10 iOT LTSB or No OS
Processor	Intel Coffee Lake Core i5-8500T (9M Cache, up to 3.50 GHz)
Memory (RAM)	8GB 2666MHz DDR4 SO-DIMM on 1 of 2 slots (Expandable to 32GB)
Storage	128GB M.2 SSD, 72 TBW
Wireless	802.11 b/g/n/ac; Bluetooth: 5.0
I/O Ports	4 x Type A USB 2.0, 2 x RJ45 serial ports, 1 x micro HDMI port, 1 x 12V powered USB
	port, 1 x RJ12 cash drawer port, 1 x LAN

Integrated Peripherals



Star Micronics TSP100III

- Website: <u>https://www.starmicronics.com/pages/tsp100</u>
- 3-inch printer, supports standard 80mm width paper, and prints speeds of 230mm/sec.
- Auto-cutter
- Supports multiple languages, barcodes and logo printing
- Support ESC/POS (Epson Emulation) mode
- Star software (futurePRNT) pre-installed for easy configuration



Elo Cash Drawer

- Full size 16-inch industry-standard cash drawer with 3-position lock
- Opened by receipt printer
- Second cash drawer can be added using I/O port



Honeywell N3680 1D/2D Barcode Scanner

- Website: <u>https://www.honeywellaidc.com/products/oem-scan-engines/2d-imagers/n3680-series</u>
- Supports VCP (Virtual COM Port), Keyboard, and HID modes
- Optional plug-ins available (EasyDL[™]) to scan and parse data from drivers licenses in the United States and Canada.
- Honeywell software (EZConfig) pre-installed for easy configuration



MagTek Dynamag Magnetic Stripe Reader (MSR)

- https://www.magtek.com/product/dynamag
- 3-track encryptable Magnetic Stripe Reader (MSR).
- Secured by the MagneSafe Security Architecture.
- MagTek software (USBMSR Demo) pre-installed for easy configuration





Barcode Scanner Setup

Use the Honeywell EZConfig tool to setup and configure the built-in 1D/2D Barcode Scanner.

103

 \bigcirc

Honeywell

EZConfig-Scanning v4_IE

Uninstall EZConfig-Scanning v4

Nev

New

[]]

1

0

Install and Launch the EZConfig Tool

- Download/install Honeywell EZConfig tools
 Download from <u>here</u>
- 2. Launch EZConfig tool
- 3. When launching the EZConfig tool, if prompted, make sure to allow your web browser to running scripts.



4. Click Connected Device



5. Click Configure Device

	GETTING STARTED I NEW FEATURES I CHECK FOR FZ	Config UPDATES LEAG LHELP LTECHNICAL KNOWLEDGE BASE
CONNECTED DEVICE		
Home Connected Device		
🗯 Refresh		
Honeywell KI260 Series Area Image Englise		
Model: N3600		
Serial No: 18239B5007		
Connection: USD SERIAL		
Show License/Plug-in Info		
Firmware is up to date		
ote: Click on the device to connect / disconnect		
CONFIGURE D	UPDATE FIRMWARE	SCAN DATA WINDOW

HULL

gs | Interfaces

cations | RS-232 Settings | Ke

USB SurePo

OLOGIE

B HID Reyboard for PC B HID Keyboard for MA I USB POS Handheld (I USB POS Tabletop (S 0

đ

AN DATA

Default: 130

SAVE TO DEVICE

Switch Interface Mode to Keyboard

- By default, the barcode reader interface is set to USB VCP (Virtual COM Port). In the EZConfig tool, this is listed as "USB Serial Port Emulation."
- To switch to keyboard mode, go to the "SETTINGS > Interfaces > Communications" area. Select the "USB HID Keyboard for PC" option from the "Terminal ID" list.
- 8. Click Save to Device when done

Add Carriage Return

 In the "DATA FORMATTING > Prefix/Suffix" area, click the Editor button under the "Suffix" column of the table



10. In the "Control Chars" tab, click the CR option





- 11. Click Finish
- 12. Click Save to Device when done

t∔ AIS	ymbologies	~		Editor 🖌		Editor 🔺
Suffix Value	[CR]				Insert Code ID =	[0x80]
-		_	_		Finish	
					SAVE TO D	EVICE

anning Options | D

CodeGate Out-of-Stand Off

es Decode Stan

Out-Of-Stand

igs | S

Turn off the Illumination Light

- To turn off Illumination Lights, go to the "SETTINGS > Input/Output Settings > Scanning Options" area
- 14. Toggle the "Illumination Lights" switch to the **Off** position
- 15. Click Save to Device when done

Keep the LED Light Off After Scan

- To keep the LED Lights off after scanning, go to the SETTINGS > Input/Output Settings > Device Settings area
- 17. Toggle the "Presentation LED Behavior After Decode" switch to the **Off** position
- 18. Click Save to Device when done

				SAVE I	ODEVICE
		Honeywell N3600 Serie	s Area Image Engli	ae -	
	2.SYMBOLOGIES	3.DATA FORMATTING	4.IMAGING	5.SCAN DATA WINDOW	6.COMPARE
t/Output Settings	Interfaces	Licenses / Plug-ins (Apps)	Reserved Co	mmands	
r Settings Scar	nning Options Device	e Settings			
LED Settings				2	_
	Good Re	ad LED Off 🔤 On	Default: 1		
Scanning Mode M	odifiers				
	Scannin	g Mode Presentation Mode	~	Default: 3	
Presen	tation LED Behavior After I	Decode Off Con	Default: 1	E CAVE T	ODEWICE

Default: 0

Adjust Beeper Settings

- To adjust various beeper-related settings, go to the "SETTINGS > Input/Output Settings > Beeper Settings" area
- 20. Make all the necessary changes, such as:
 - Number of Beeps per Good Read (1-9)
 - Volume (High, Low, Medium, Off)
- 21. Click Save to Device when done





Perform Test Scans

- 22. To perform a test scan, go to the "SCAN DATA WINDOW > Command Center" area
- 23. Scan your barcode. If successful, barcode number should appear onscreen.



Export/Import Configuration Settings

- 24. To view all current configuration settings, go to the "COMPARE > Default Vs Current" area
- 25. When ready, click the Save Configuration button

26. Adjust the confirmation file (EXM) name if necessary and click Save

Scanner Device Serial No: 1623965007 Firmware No: C200014291AA	1.SETTINGS Default Vs Current	2.SYMBOLOGIES	3.DATA FORMATTING	4.IMAGING	5.SCAN DATA WIND	
N3600			DEFAULT	w Matched Settings	CURRENT	Settings CLONE:
Configuration History A Note: Citic on the under annow "The Note: Citic of the under annow "The Note: Citic of the under annow "The Settings Control Setting" Bit Codes Type (To vor Control Control Settings) Control Control Settings Control Control Contro	Sel TINCS General Control of the Second Sec	tings > scanning Optio List# munications > Interfac 2 NG NG refu% Suffix mand Value	is 2-Scanner / Ilumination On USB sent port end	dion	or USB HD Keyboard 9900	kr PC
Save HTML Docu	ment				_	×
Save in:	Documents			- G 🦻	► 🔝 😢	
Quick access Desktop Libraries This PC Wetwork	ame Snaglt Catalo	^ g		Date mod 5/3/2019	dified 12:48 PM	Type File folder
<						>
Fil	e name:	ConfigSettings	s.exm		• -	Save
	ive as type:	ILL LINE FILE (".I	ntm;".ntmi)		•	Cancel



27. To import an existing configuration file (in order to configure another Honeywell N3680 1D/2D Barcode Scanner), click Open Configuration



Date modified

5/3/2019 12:48 PM

8/8/2019 10:53 AM

5/3/2019 12:50 PM

7/16/2019 9:20 PM

7/16/2019 5:25 PM

7/16/2019 10:02 PM

7/16/2019 10:02 PM

7/16/2019 9:55 PM

All Files (*.*)

Open Cancel

28. Browse to the configuration file and click Open

29. Once imported, make sure to click Save to Device when done

Create Programming Barcodes

- 30. On the side panel, go to the "Bar Code Generation" area and specify the following settings:
 - Settings: Clone Settings
 - Media Format: Display
 - Bar Code Type: 1D (or 2D) .
- 31. Click Generate Bar Code



Name

<

File name: ConfigSettings.exm

Snaglt Catalog

Nefault.rdp

ConfigSettings.exm

RILMgmtInstaller.exe_20190716-2031_PrismLogs.log

Win32PrismDocumentDesignerInstaller.exe 20190716...

Win32PrismDRS.exe_20190716-2031_PrismLogs.log

Win32PrismDRS.exe_Scripts_190716_215453332.log

RILOraInstaller.exe_20190716-1659_PrismLogs.log

Documents

Downloads

Music

Nictures

Videos

💺 OS (C:)

🕳 ELO (D:)

ELO (D:)

SAVE CONFIG





- 32. Optionally increase the printed barcode size
- 33. When ready, click Print

Command Center Create Programming Bar Code		Quick Help
Create 1D Bar Code Create 2D Bar Code	1D Bar Code View Details: Ø Bar Code Command Horizontal Size ■	
1D Bar Code 2D Bar Code Title :		Print
		^

34. Select the appropriate printer and click $\ensuremath{\textbf{Print}}$

A Home > Connected Dev	ina 🔺 5 Snan Data Mir	dow				
DEVICE DETAILS	EZConfig Bar Coc	– 🗆	× eywell N3600 Serie	s Area Image Engine		
Scanner Device	Title: Product: Honeywell N Engine Date Built: Thu Aug (Comments:	13600 Series Area Im	age FORMATTING	4.IMAGING	SCAN DATA WINDOW	6.C ×
NISSO	DEFAL	General Options Select Printer				
Configuration History		参 Fax 参 Microsoft の Microsoft	Print to PDF XPS Document Writer	ଛ Snaglt 8 ଛ Star TSP100	Cutter (TSP143)	
Bar Code Generation	SCNL	 Status: Location: Comment: 	Ready	Print to f	> Preferences Find Printer	
Bar Code Type 10		Page Range All Selection Pages:	Current Page	Number of co	pies: 1 🔹	
OPEN CONFIG		Enter either a sin page range. For	gle page number or a single example, 5-12		11 22 33	
-				Print Ci	Apply	



Receipt Printer and Cash Drawer Setup (Windows)

wish to configure.

Star Line Mode (ESC/POS Mode

The built-in receipt printer and cash drawer supports both Windows and OPOS application. Use the Star Micronics Configuration Utility (futurePRNT) to setup the receipt printer and cash drawer for a Windows application.

Launch the Configuration Utility

 From the Windows Start Menu, launch the Star Micronics Configuration Utility TSP100 application

- Select the appropriate target emulation mode Star Line Mode vs. ESC/POS Mode
- 3. Click OK



OK

Establish Text and Print Settings

- 4. Establish all required settings relating to text and print settings.
 - Zero Style select the "slashed" option to display zeros with a slash
 - International Character Set select the character set used by your country
 - Character Encoding for Asian languages that use double-byte characters, select the appropriate language
 - Print Width select the "51mm" option if using 58-mm paper

Note: for full list of printer settings, see the end of this section.

5. When done, click Apply Changes





- 6. In the "Print Tests" area, click each of these buttons to perform a print test:
 - Default Character Set prints out the international character set specified in the "General Settings" area
 - Barcode Print prints a sample of each supported barcode
- 7. Click **Open Cash Drawer 1** to pop the cash drawer
- Click Check the connection to check whether you can communicate with the printer. If successfully, the LED (blue) light above the printer will blink.

**	Star Micronics TSP100	onfiguration (Star Line Mode)	
File	(F) View(V) ECO(E)	Management(M) Help(H)	
í	Information	^	
ß	General Settings	Printer Tests	star
620	Star Micronics Cloud	Test Prints	
2	ECO Settings	Default Character Set Print the current default single byte ch	aracter set
•?	Print Tests	Barcode Print Print all supported barcodes	
0	OPOS	Print Head Test Test the print head	
۲	JavaPOS	Star Micronics Cloud Print the services information	
	Serial Ports		
11 12 11 12	Image List	CashDrawer/Peripheral Device	
0	Logos & Cropping	Open CashDrawer 1 Sound Buzzer 1	
din a	Text Processing	Open CashDrawer 2 Sound Buzzer 2	
	Barcodes		
%	Journal	TSP100III Connection check	
V	Vertical Mount	Check the connection It will check the communication with t	he printer.
F	Printer Font		
		×	
		Apply Changes	Close

Connect Cash Drawer to Receipt Printer

- 9. In Windows, go to the "Devices and Printers" area.
- 10. Right-click on the Star TSP100 printer and choose the "Printer properties" option

								-	^
 Control Panel 	> Hardwar	e and So	und > Devices and	Printers	~ U	Search Devices a	nd Print	ters	P
dd a printer S	ee what's pr	rinting	Print server prope	erties Remov	e devic	e		•	0
									-
		See w	that's printing						
	~	 Set as 	default printer						
Microsoft Print to	Micro	Printir	ig preferences	SP100	n				- 1
PDr	- Docu	Printe	r properties	(13+14)	"				
		Create	e shortcut						
		Remo	ve device		1				
TSP100 Cutter (TSP143)	Troub	leshoot	s: 0 do	cumen	t(s) in queue			
		Prope	rties						
	dd a printer S dd a printer S Microsoft Print to PDF TSP100 Cutter (1)	Control Panel Hardward dd a printer See what's pr See what's pr Microsoft Print to Micro PDF TSP100 Cutter (TSP143)	Control Panel > Hardware and So dd a primter See what's primting See what's primting Microsoft Primt to Microsoft Primt to Docu Primte TSP100 Cutter (TSP143	Control Panel Activates printing Control Panel Control Panel Control Panel Control Panel			Control Panel > Hardware and Sound > Devices and Printes V (D) Search Devices a dd a printer See what's printing Print server properties Remove device See what's printing Victor Printing Victor Printing printer Printer properties Create shortcut Victor Printer properties Victor Printer properties Victor V	Control Panel > Fardware and Sound > Devices and Printers C C Search Devices and Printer C Search Devices and Printer Printer properties Cease shortcut Cease short	Control Panel > hardware and Sound > Devices and Printers v (D) Search Devices and Printers dd a printer See what's printing Print server properties Remove device Printer properties Create shortcut V Create shortcut Create shortcut V Create shortcut V Create shortcut Create shortcut Create shortcut Create shortcut Create shortcut Create shortcut Create shorteu Create shortcut Create shortcut Create shortcut



11. On the "General" tab, click Change Properties

Color Management	Security	Device Settings	TSP100 Config
General	Sharing	Ports	Advanced
Star T	SP100 Cutter (TSP143)	
ocation:			
Comment:			
Model: Star TS	P100 Cutter ((SP143)	
Features			
Color: Yes		Paper available:	
Double-sided: No		72mm x Receipt	^
Staple: No			
Speed: Unknown			
Maximum resoluti	on: 203 dpi		~
🗣 Change Properti	es Prefe	erences Pr	int Test Page
	(OK Cancel	Apply
Star TSP100 Cutter	(TSP143) Prop	erties	
Consent	Charles	Det	Adversed
wolloidi	Julianity	1 0112	ruvanceu

- 12. On the "Device Settings" tab, establish the following settings:
 - Peripheral Unit Type = Cash Drawer
 - Peripheral Unit 1: Document Bottom
 - Peripheral Unit 2: Document Bottom
- 13. Click Apply

General	Sharing	Ports	Advanced
nor management	Security	Device Settings	1 SP 100 Conlig
Star TSP100 Cut Form To Tray FRICTION: FRICTION: FRICTION: Form To Tray Page Cut Documen Peripheral Peripheral Cash Draw Buzzer 1 Buzzer	ter (TSP143) De Assignment 72mm x Receip ptions e: <u>Receipt</u> Type: <u>No Cut</u> t Cut Type: <u>Part</u> Unit Type: <u>Ca</u> Unit 1: <u>Dec Bu</u> Unit 2: <u>Doc Ca</u> wer 1 - Pulse Wi On Time: <u>20 m</u> Repeat: <u>1</u>	evice Settings pt ial Cut sh Drawer sh Drawer sh Drawer dth: 200 milliseconds illiseconds	ŝ
Buzzer 2 - Buzzer 2 -	On Time: 20 m Off Time: 20 m	illiseconds illiseconds	
DULLET 2	Hepear 1		



- 14. Click No when prompted to backup device settings
- 15. On the "General" tab, click Print Test Page
- 16. Verify that the cash drawer opens after the test page is printed

		Yes No	
Star TSP100 Cutter	(TSP143) (Cop	y 1) Properties	-
Color Management General	Security Sharing	Device Settings Ports	TSP100 Config Advanced
Star TS	SP100 Cutter (TSP143)	
Location:			
Comment:			
Comment:			2
Comment:	P100 Cutter (1	(SP143)	
Comment: Model: Star TS Features	P100 Cutter (1	'SP143)	
Comment: Model: Star TS Features Color: Yes	P100 Cutter (1	TSP143) Paper available:	
Comment: Model: Star TS Features Color: Yes Double-sided: No	P100 Cutter (1	rSP143) Paper available: 72mm x Receipt	~
Comment: Model: Star TS Features Color: Yes Double-sided: No Staple: No	iP100 Cutter (1	rSP143) Paper available: 72mm x Receipt	^
Comment: Model: Star TS Features Color: Yes Double-sided: No Staple: No Speed: Unknown	P100 Cutter (1	^{TSP143)} Paper available: 72mm x Receipt	^
Comment: Model: Star TS Features Color: Yes Double-sided: No Staple: No Speed: Unknown Maximum resolution	SP100 Cutter (1 Sp100 Cutter (1 Sp1: 203 dpi	rSP143) Paper available: 72mm x Receipt	< >

Complete Text and Print Settings

- 17. Establish all required settings relating to text and print settings.
 - Zero Style select the "slashed" option to display zeros with a slash
 - International Character Set select the character set used by your country
 - Code Page for additional special characters, select your language
 - Character Encoding for Asian languages that use double-byte characters, select the appropriate language
 - Font Type ESC/POS Mode only select the "Large" option for rounder, bulkierlooking font
 - Character Space (Right) ESC/POS Mode only – if using Large font, select to add extra spacing (in dot units) to the right of each character to improve appearance.





- Line Spacing select the "3mm" option to achieve shorter (more compact) receipts. Note: this may be harder to read.
- Print Density if necessary, adjust the level of contrast to achieve better print quality for the printer paper used
- Print Speed if necessary, select a lower print speed to achieve better print quality for the printer paper used
- Print Width select the "51mm" option if using 58-mm paper
- Automatic Retry select the "Disabled" option if you DO NOT want the printer to resend data (up to 5 times) when a printing error occurs
- Character/Line (font A) ESC/POS Mode only select the "48 char." option to use the standard for Star Line mode.
- Resolution Pitch ESC/POS Mode only select the "Star standard" option to use the Star Line mode's standard resolution (i.e. characters are smaller than on ESC/POS printers)
- 18. When done, click **Apply Changes**





Receipt Printer and Cash Drawer Setup (OPOS)

The built-in receipt printer and cash drawer supports both Windows and OPOS application. Before using with an OPOS application, use the Star Micronics Configuration Utility (futurePRNT) to register the receipt printer and cash drawer.

Launch the Configuration Utility

 From the Window Start Menu, launch the Star Micronics Configuration Utility TSP100 application



- Select the appropriate target emulation mode Star Line Mode vs. ESC/POS Mode
- 3. Click OK



Establish Text and Print Settings

- 4. Establish all required settings relating to text and print settings.
 - Zero Style select the "slashed" option to display zeros with a slash
 - International Character Set select the character set used by your country
 - Character Encoding for Asian languages that use double-byte characters, select the appropriate language
 - Print Width select the "51mm" option if using 58-mm paper

Note: for full list of printer settings, see the end of this section.

5. When done, click Apply Changes





Perform Test Prints and Pop the Drawer

- 6. In the "Print Tests" area, click each of these buttons to perform a print test:
 - Default Character Set prints out the international character set specified in the "General Settings" area
 - Barcode Print prints a sample of each supported barcode
- 7. Click **Open Cash Drawer 1** to pop the cash drawer
- 8. Click **Check the connection** to check whether you can communicate with the printer. If successfully, the LED (blue) light above the printer will blink.

File	(F) View(V) ECO(E) Ma	nagement(M) Help(H)	
i	Information		
ß	General Settings	Printer Les	sts stor*
62	Star Micronics Cloud	Test Prints	Contract to the second
2	ECO Settings	Default Character Set	Print the current default single byte character set
•?	Print Tests	Barcode Print	Print all supported barcodes
0	OPOS	Print Head Test	Test the print head
3	JavaPOS	Star Micronics Cloud	Print the services information
	Serial Ports		
	Image List	CashDrawer/Peri	pheral Device
0	Logos & Cropping	Open CashDrawer 1	Sound Buzzer 1
di.	Text Processing	Open CashDrawer 2	Sound Buzzer 2
	Barcodes		
1/2	Journal	TSP100III Connec	ction check
7	Vertical Mount	Check the connection	It will check the communication with the printer.
F	Printer Font		
		1	

Register and Configure the Printer (OPOS)

 In the "OPOS" area, go to the "OPOS POS Printer Device Names" section and click Add New

2
K
A mail
Change and
1
Add New
Delete
Check Health
Tample Application
Add New
Configure
Check Health Sample Application
s Close
>
OK
Cancel

- 10. The Star Printer name is auto-populated in the name field
- Select the appropriate print width (that matches the print width established in the "General Settings" area
- 12. Click **OK**
- 13. Click **Apply Changes** at the bottom of the screen



14.	Select the newly-added printer and click
	Configure

Configure					
	Control Object Registration				
	OPOS CCO 🗸				
	Star TSP100 Cutter (TSP143)_1 Add New				
	Delete				
	Configure				
	Check Health				
	Sample Application				
15. Click Add New	🜠 OPOS POSPrinter Configuration 🛛 🗙				
	Device Name: Star TSP100 Cutter (TSP143)_1				
	Logical Device Names				
	Add New				
	Delete				
	Do Checked Block Printing				
	Accept Cancel				
16. The Star Printer name is auto-populated in name field	Add New X				
	Please enter the new logical device name. OK				
17. Click OK	Cancel				
	Star TSP100 Cutter (TSP143)_1_1				
18. Check the "Do Checked Block Printing" set	ting 🙀 OPOS POSPrinter Configuration 🛛 🗙 🗙				
19. Click Accept	Device Name: Star TSP100 Cutter (TSP143)_1				
	Logical Device Names				
	Star TSP100 Cutter (TSP143)_1_1 Add New				
	Delete				
	Do Checked Block Printing				
	Accept Cancel				

OPOS POSPrinter Device Names

- 17. Click
- 18. Cheo
- 19. Click

20. Click Apply Changes at the bottom of the screen



Close

Apply Changes

- 21. Select the printer and click Check Health. If successful, a sample receipt will be printed to show the printer is printing properly.
- 22. Click OK to close the confirmation dialog

ntrol Object Registration	
DPOS CCO	~
ar TSP100 Cutter (TSP143)_1	Add New
	Delete
	Configure
	Check Health
Check Health	× Sample Applicatio
Check Health Completed Successfully	
ОК	

Register and Configure the Cash Drawer (OPOS)

23. In the "OPOS" area, go to the "OPOS Kar Micronics TSP100 Configuration (Star Line Mode) CashDrawer" section and click Add New File(F) View(V) ECO(E) Management(M) Help(H) (1) Information **OPOS Settings** star 🚯 General Settings Star Micronics Cloud **OPOS POSPrinter Device Names** ECO Settings Control Object Registration Print Tests OPOS CCO OPOS Star TSP100 Cutter (TSP143)_1 Add New JavaPOS Delete Configure Check Health Serial Ports ample Applica Image List OPOS CashDrawer Logos & Cropping Text Processing Control Object Registration Others IIII Barcodes Add New 🔀 Journal Vertical Mount F Printer Font Close 24. Click Yes OPOS.CashDrawer Control Object This system already has an OPOS.CashDrawer Control Object installed. Would you like to Install the Common Control Object? Yes No 25. Click Yes OPOS.CashDrawer Control Object The OPOS.CashDrawer Control Object that is currently registered is deleted. Are you really sure?



No

Yes

 \times

- 26. The Star Printer name is auto-populated in the name field.
- 27. Click **OK**
- 28. Click Apply Changes at the bottom of the screen
- 29. Select the newly-added cash drawer and click Configure

Add OPOS CashDrawer device × Please enter the new OPOS CashDrawer device name OK Cancel Star TSP100 Cutter (TSP143)_1 Apply Changes Close **OPOS CashDrawer** Control Object Registration OPOS CCO \sim Star TSP100 Cutter (TSP143) 1 Add New Delete Configure Check Health Sample Application 候 OPOS CashDrawer Configuration \times Device Name: Star TSP100 Cutter (TSP143)_1 Logical Device Names Add New Delete Settings Status Active Drawer Number CashDrawer 1 \sim Activation Pulse Width 200ms \sim Post Activation Pause 200ms \sim Cancel Accept 31. The Star Printer name is auto-populated in the Add New Logical Device Name \times Please enter the new Logical Device Name OK

32. Click OK

name field



Cancel

Star TSP100 Cutter (TSP143)_1_1

30. Click Add New

33. Keep the default settings and click Accept

M OPOS CashDrawer Configuration	on X		
Device Name: Star TSP100 Cutter (TS	SP143)_1		
Logical Device Names			
Star TSP100 Cutter (TSP143)_1_1	Add New Delete		
Settings			
Status			
Active			
Drawer Number	CashDrawer 1 \sim		
Activation Pulse Width	200ms ~		
Post Activation Pause	200ms ~		
	Accept Cancel		
	Apply Changes Close		
OPOS CashDrawer	I GIID		
Control Object Registration			
Star TSP100 Cutter (TSP1/2) 1	Add New		
	Delete		
	Configure		
Check Health X	Check Health		
Success	Sample Application		
Saccess			
ОК			

- 34. Click **Apply Changes** at the bottom of the screen
- 35. Select the printer and click **Check Health**. If successful, the cash drawer will open to show the drawer is working properly.
- 36. Click **OK** to close the confirmation dialog

Connect Cash Drawer to Receipt Printer

- 37. In Windows, go to the "Devices and Printers" area.
- 38. Right-click on the Star TSP100 printer and choose the "Printer properties" option

Devices and Pri	nters							-		×
← → ~ ↑	瘤 > Control Panel	> Hardwar	e and Sou	nd > Device	s and Printers	~	U Search	h Devices and	d Printers	,P
Add a device	Add a printer S	ee what's pr	rinting	Print server	properties	Remove de	vice		-	2
\sim	-				-	-				
						9				
			Set as	default printing	r					
Fax	Microsoft Print to	Micro	Printing	preferences		5P100				
	PDF	Docu	Printer	properties	N	(TSP143)				
Unspecified (5)		Create	shortcut	13.					
			Remov	e device						
	ar TSP100 Cutter (SP1431	Trouble	shoot		s 0 docum	nent(s) in que	2110		
St										



39. On the "General" tab, click Change Properties

Color Management General	Security	Device Settings	TSP100 Config
Star T	SP100 Cutter (TSP143)	
.ocation:			
Comment:			
Model: Star T: Features	SP100 Cutter (1	(SP143)	
Model: Star T: Features Color: Yes Double-sided: No	SP100 Cutter (1	Paper available:	
Model: Star T: Features Color: Yes Double-sided: No Staple: No	SP100 Cutter (1	Paper available: 72mm x Receipt	^
Model: Star T: Features Color: Yes Double-sided: No Staple: No Speed: Unknown	SP100 Cutter (1	Paper available: 72mm x Receipt	^
Vodel: Star T Features Color: Yes Double-sided: No Staple: No Speed: Unknown Maximum resoluti	SP100 Cutter (1 ion: 203 dpi	Paper available: 72mm x Receipt	< >

- 40. On the "Device Settings" tab, establish the following settings:
 - Peripheral Unit Type = Cash Drawer
 - Peripheral Unit 1: Document Bottom
 - Peripheral Unit 2: Document Bottom
- 41. Click Apply

× Star TSP100 Cutter (TSP143) Properties Sharing Ports Advanced General Device Settings Color Management Security TSP100 Config Star TSP100 Cutter (TSP143) Device Settings E-B Form To Tray Assignment FRICTION: 72mm x Receipt installable Options Paper Type: Receipt Page Cut Type: No Cut Document Cut Type: Partial Cut Peripheral Unit Type: Cash Drawer 🗸 Peripheral Unit 1: Doc Buzzer Peripheral Unit 2: Doc Cash Dr Cash Drawer 1 - Pulse Width: 200 milliseconds Buzzer 1 - On Time: 20 milliseconds Buzzer 1 - Off Time: 20 milliseconds Buzzer 1 - Repeat: 1 Buzzer 2 - On Time: 20 milliseconds Buzzer 2 - Off Time: 20 milliseconds Buzzer 2 - Repeat: 1 OK Cancel Apply

- 42. Click No when prompted to backup device settings
- 43. On the "General" tab, click Print Test Page
- 44. Verify that the cash drawer opens after the test page is printed

opy 1) Properties
Device Settings TSP100 Config Ports Advanced
r (TSP143)
(TSP143)
(TSP143) Paper available:
(TSP143) Paper available: 72mm x Receipt
(TSP143) Paper available: 72mm x Receipt

Complete Text and Print Settings

- 45. Establish all required settings relating to text and print settings.
 - Zero Style select the "slashed" option to display zeros with a slash
 - International Character Set select the character set used by your country
 - Code Page for additional special characters, select your language
 - Character Encoding for Asian languages that use double-byte characters, select the appropriate language
 - Font Type ESC/POS Mode only select the "Large" option for rounder, bulkierlooking font

Character Space (Right) – ESC/POS Mode only – if using Large font, select to add extra spacing (in dot units) to the right of each character to improve appearance.





- Line Spacing select the "3mm" option to achieve shorter (more compact) receipts. Note: this may be harder to read.
- Print Density if necessary, adjust the level of contrast to achieve better print quality for the printer paper used
- Print Speed if necessary, select a lower print speed to achieve better print quality for the printer paper used
- **Print Width** select the "51mm" option if using 58-mm paper
- Automatic Retry select the "Disabled" option if you DO NOT want the printer to resend data (up to 5 times) when a printing error occurs
- Character/Line (font A) ESC/POS Mode only select the "48 char." option to use the standard for Star Line mode.
- Resolution Pitch ESC/POS Mode only select the "Star standard" option to use the Star Line mode's standard resolution (i.e. characters are smaller than on ESC/POS printers)
- 46. When done, click **Apply Changes**



Magnetic Stripe Reader Setup

If necessary, use the MagTek Demo tool to test the built-in magnetic stripe reader (MSR).

Perform a Test Scan

1. From the Window Start Menu, launch the MagTek **USBMSR Demo** application

- 2. Scan any card with a magnetic strip
- 3. Verify that data is display in the window





5.

Install/Configure Honeywell EasyDL[™] Plugin

Optional plug-in to scan and parse data from drivers licenses in the United States and Canada.

Install and License the EasyDL Plug-in Software

- 1. Purchase a Honeywell EasyDL license
 - Print out the license activation barcode for later use
- 2. Download/install Honeywell EZConfig tools
 - Download from <u>here</u>
- 3. Launch the EZConfig tool

Click Connected Device

4. When launching the EZConfig tool, if prompted, make sure to allow your web browser to run scripts.







6. Click Configure Device





- 7. In the "Update from File" area, click Browse
- 8. Locate/choose the EasyDL software and click **Open**
- 9. When ready, click Update Device

- 10. To activate the EasyDL license, click Scan Data Window
- Honeywell | Scanning & Mobility EZConfig CONNECTED DEVICE Honeywe Series Ar Engine Up CONFIGURE DEVICE UPDATE FIRMWARE SCAN DATA WINDOW TUN . 0 3.DAT

60

CZ

Honeywell Eas

LOST.DI

Update De

All Files (*.*) Open Cancel

Quick Help

. 0

Honeywell | Scanning & Mobility

Create Programming Bar Code

ler

Send Command

CONNECTED DEVICE

- 11. Scan the provided license code
- 12. Conduct a test scan using a driver's license.
 - Verify that the first name, middle name, and last name is displayed clearly

Configure the EasyDL Software

- 13. Download and install the EasyDL 2.0 Configuration Utility
 - Download utility from <u>here</u>
- 14. Launch the EasyDL 2.0 Configuration Utility (as an administrator)





- 15. Select a document field e.g. "Names of person"
- 16. From the list of data fields (for the selected document field), select the required data fields
- 17. Select another document field e.g. "Dates"
- 18. From the list of data fields (for the selected document field), select the required data fields
- Select the required separator fields and reposition them (move up / move down) in between the selected data fields
- 20. When done, click the Generate Barcode button
- 21. Click Print



- 23. Scan the EasyDL configuration barcode
- 24. Conduct a test scan using a driver's license.
 - Verify that the information displayed is correct based on the configuration settings established

·····j······, ()·····,				Honeywell
Select the required document field:	Dates		~	noneynen
Data Fields:		Data Output Format:		
Date Of Birth Expiration Date		First Name Space		Move Up
Issue Date Under 18 Until		Last/Family Name Carriage Return		Move Down
Under 19 Until Under 21 Until Card Revision Date	>>	Date Of Birth		Clear All
CHAMPUS Effective Date CHAMPUS Expiration Date	<<			
Separator Fields:		Data Formats / Separator Dela	iys:	
Horizontal Tab Line Feed Vertical Tab		Nov 11 2012 Nov. 11 2012 Nov. 11 2012	^	Generate Barcode
Carriage Return		Nov. 11, 2012		Load from File
Space		11-Nov-2012 11-Nov-12		Save to File
		November 11, 2012 11-November-2012		
		11-November-12	*	
Configure Delays:		Delay (mak	Help on De	elays with Data formatter
Select One	\sim	Max.	of 5000 millisecond	ts (in 5ms increments)
Global Settings				
Enable dump Non-Standard data	Enable error be	ep for Non AAMVA barcodes 🗌 Enab	le appending NON	E when data not found

onriguration Utility (EasyDE 2.0 V 1.0.0)					
elect the required document field:	Dates	~	Hone	ywen	
ata Fields 🐒 Configuration Utility (Easy	DL 2.0 V1.0.8)	- 0	×		
Date Of Birt				Jp	
ssue Date			^	wn	-
Inder 18 Ur C	onfiguration Utility (EasyDL 2.0 V1.0.8) Barcode Sheet		- 11		
Inder 21 Ur				ui -	
ard Revision					
HAMPUS					
	9-# C				
	<u> 567776</u>				
eparator F					
forizontal T	10 I DE CARE			arcod	е
ine Feed (artical Tab					-
arriage Re				File	
Space				File	
Confirme	Non: 000240022/E00520E0250DE0BG00G02G04G08G0	61			
Show AI S	IOI: 9902A0022[F00320F0230DF0BG00G02G04G08G0	i0].			
Configure Header: Configuration Utility (asyDL 2.0 V1.0.8) Barcode Sheet	Save		matte	r.
Separator:		Province		ata)	
Lontiguration 35024	1122(F00520F02500F00500602609600605)	· ·eview		ins)	
Global Se Barcode scaling factor: 1	•	Print		und	
Enable prefy DataElement IDs	Feeble dele velidellee				
Enable preix DataElement IDs	Enable data validation				

Honeywell N3600 Series Area Image Engine							
1.SETTINGS	2.SYMBOLOGIES	3.DATA FORMATTING	4.IMAGING	5.SCAN DATA WINDOW	6.COMPARE		
Command Center	Create Programmin	ng Bar Code			Quick Help		
Command Type Menu Command	e: d	•					
NE TYPE MUNICIPAL	vital Technologic Ap	and the figure of the					





Documentation

Below is a list of all relevant documentation for the PayPoint Plus for Windows as well as the integrated peripherals.

Documentation	
<u>Technical Specification</u> – PayPoint Plus for Windows	Ele Ele Parter ela Reference
<u>User's Guide</u> – PayPoint Plus for Windows	elo
<u>Developer's Guide</u> - – PayPoint Plus for Windows	Ēlo
<u>User's Guide</u> – Honeywell N3680	Honeywell N36XX Decoded Engine User's Guide
User's Guide – STAR TSP100	Star Allered Annual





Barcode Scanner Setup

Launch EZConfig Tool

 Download/Install <u>EZConfig</u> tool
 Launch Honeywell EZConfig tool. If prompted, allow browser to running scripts.

- Click Connected Device
- Click Configure Device

2 Switch Interface Mode to Keyboard

- Go to "SETTINGS > Interfaces > Communications" area.
- Select "USB HID Keyboard for PC" option from "Terminal ID" list.
 Click Save to Device when done

3 Add Carriage Return

 In "DATA FORMATTING > Prefix/Suffix" area, click Editor button under "Suffix" column of table
 In "Control Chars" tab, click CR option
 Click Finish

□ Click Save to Device when done

4 Turn off Illumination Light

- □ To turn off Illumination Lights, go to "SETTINGS > Input/Output Settings > Scanning Options" area
- □ Toggle "Illumination Lights" switch to Off position
- \Box Click Save to Device when done

5 Keep LED Light Off After Scan

- □ To keep LED Lights off after scanning, go to "SETTINGS > Input/Output Settings > Device Settings" area
- □ Toggle "Presentation LED Behavior After Decode" switch to Off position
- \Box Click Save to Device when done

6 Adjust Beeper Settings

- □ To adjust various beeper-related settings, go to "SETTINGS > Input/Output Settings > Beeper Settings" area
- Make all necessary changes, such as:
 # of Beeps per Good Read (1-9)
- Volume (High, Low, Medium, Off)
- Click Save to Device when done

Perform Test Scans

- To perform a test scan, go to "SCAN DATA WINDOW > Command Center" area
 Scan barcode
 - If successful, barcode number should appear onscreen

Receipt Printer/Cash Drawer Setup (Windows)

ULaunch Configuration Utility

- □ Launch Star Micronics Configuration Utility TSP100 application
- □ Select target emulation mode Star Line Mode vs. ESC/POS Mode □ Click **OK**

2 Establish Text and Print Settings

Establish all required text/print settings
 When done, click Apply Changes

3 Perform Test Prints and Pop Drawer

- □ In "Print Tests" area, click each button to perform a print test.
- □ Click **Open Cash Drawer 1** to pop cash drawer
- □ Click **Check the connection** to check communication with printer. If successfully, LED (blue) light above printer will blink.

3A Register/Configure Printer (OPOS)

3B Register/Configure Cash Drawer (OPOS)

Connect Cash Drawer to Receipt Printer

- □ In Windows, go to "Devices and Printers" area.
- □ Right-click on Star TSP100 printer and choose "Printer properties" option
- □ On "General" tab, click Change Properties
- \Box On "Device Settings" tab, establish following
 - settings:
 - Peripheral Unit Type = Cash Drawer
 - Peripheral Unit 1 = Document Bottom
- Peripheral Unit 2 = Document Bottom
- Click Apply
- □ Click **No** when prompted to backup device settings
- On "General" tab, click Print Test Page
 - If successful, cash drawer opens after test page is printed

Magnetic Stripe Reader Setup

Perform a Test Scan

- □ From Window Start Menu, launch MagTek USBMSR Demo application
- Scan any card with magnetic stripe
 If successful, data is displayed in window

Receipt Printer/Cash Drawer Setup (OPOS)

- 3A Register and Configure the Printer (OPOS)
 - In "OPOS" area, go to "OPOS POS Printer Device Names" section and click Add New
 - Star Printer name is auto-populated in name field
 - □ Select print width (that matches print width established in "General Settings" area)
 - Click OK
 - □ Click Apply Changes at bottom of screen
 - □ Select newly-added printer and click

Configure

- Click Add New
 - Star Printer name is auto-populated in name field
- 🗆 Click **OK**
- Check "Do Checked Block Printing"
- setting
- Click Accept
- □ Click **Apply Changes** at bottom of screen
- Select printer and click Check Health
 If successful, a sample receipt will be
 - printed
- \Box Click \mathbf{OK} to close confirmation dialog

B Register and Configure the Cash Drawer (OPOS)

- □ In "OPOS" area, go to "OPOS
- CashDrawer" section and click Add New
- Click Yes to install Common Control Object
- - Star Printer name is auto-populated in name field.
- 🗆 Click **OK**
- □ Click **Apply Changes** at bottom of screen
- □ Select newly-added cash drawer and
- click Configure
- Click Add New
 - Star Printer name is auto-populated in name field
- Click OK
- \Box Keep default settings and click Accept
- Click Apply Changes at bottom of screen
- Select printer and click Check Health
- If successful, cash drawer will open
 Click **OK** to close confirmation dialog





Headquarters: 670 N McCarthy Blvd, Milpitas, CA 95035

Phone: 408.597.8000

Website: https://www.elotouch.com