

October 2016 SPS TECHNICAL SUPPORT NEWS





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ReM	ReM is abbreviation for Remote MasterMind system that allows remotely performing the following
	actions on scanner from a server: configuration upload/download, firmware update, collection of
	statistics and device monitoring.
TCP/IP	The Internet Protocol Suite (commonly TCP/IP) is the set of communications protocols used for the
	Internet and other similar networks. It is named from two of the most important protocols in it: the
	Transmission Control Protocol (TCP) and the Internet Protocol (IP)
DLL	Dynamic link library (DLL) is Microsoft's implementation of the shared library concept in the Microsoft
	Windows and OS/2 operating systems.
OCX	ActiveX Control (OCX) provides way to develop and use custom user interface elements. It is part of
	Object Linking and Embedding (OLE) technology that allows embedding and linking to documents
	and other objects developed by Microsoft.
MBean	MBean is managed bean, Java object that represents resources to be managed. An MBean has a
	management interface consisting of: named and typed attributes that can be read and written, named
	and typed operations that can be invoked, typed notifications that can be emitted by the MBean
POS	Point of sale (POS) can mean a retail shop, a checkout counter in a shop, or the location where a
	transaction occurs. By synecdoche point of sale often refers to a POS terminal or more generally to
	the hardware and software used for checkouts – the equivalent of an electronic cash register
OEM	An original equipment manufacturer (OEM) is typically a company that uses a component made by a
	second company in its own product, or sells the product of the second company under its own brand
METROPOS™	A standard developed to allow application software to communicate with common Point Of Sale
	devices regardless of device manufacturer. However this document will refer to METROPOS™
	driver for Retail POS that consists of architecture for Win32-based POS device access.
	METROPOS [™] driver is currently deployed on Microsoft Windows NT, Windows 2000, Windows XP,
	and Windows Vista. It also consists of a set of POS device interfaces sufficient to support a wide
	range of POS solutions. It provides a consistent interface to POS peripherals for use by application
	creator.
NRF (ARTS)	NRF stands for the National Retail Federation's Association for Retail Technology Standards (NRF-
	ARTS). This organization maintains and published the UPOS Specification. The major companies
	that are behind UPOS include: IBM Corporation, Microsoft, SUN Microsystems, Epson, National
	Retail Federation, Research Computer Services, Association for Retail Technology Standards, and
	more.

Solaris 2D 7980g - How to decrease the scanning field? [000051870]

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The Cashier complains that sometimes the scanner reads again the bar codes that are already were scanned, how could the scan field be reduced!

In order to reduce the scan field for the Solaris 2D 7980g, there are 4 new menu commands introduced: DECPP1, DECPP2, PDCPP1 and PDCPP2.

DECPP1 and DECPP2 allow defining the minimum resolution of 1D barcodes (DECPP1) and 2D barcodes (DECPP2) in standard trigger mode.

PDCPP1 and PDCPP2 allow defining the minimum resolution of 1D barcodes (PDCPP1) and 2D barcodes (PPCPP2) in presentation mode.

The setting unit is 1/10 of pixel.

For Solaris 2D 7980g, the value of the setting can be computed using the following equation. The following is showing more precise values):

Resolution (1/10 of pixel) = (Bar code Resolution (mm) * 17144) / (146 + Distance (mm)).

For a UPC bar code (13 mils) at 10cm, obtain (0.33 * 17144) / (146 + 100) = 23, which can be set using PDCPP123 for presentation mode EAS Deactivation Range.

Scan the bar code below to set the 1D bar code depth of field within the EAS Deactivation range.



This feature was developed for working with EAS device. While the EAS deactivate range is shorter than Imager DoF. Best practice is, customer can have a quick try by scan the configure code PDCPP123 in UG 7-1 section. This would limit the 13mil 1D DoF to 10cm. **Note**: Be caution that the supported code resolution will be reduced accordingly. The minimum element width changes to 6.8 mil when in EAS Deactivation Range mode.

Does Honeywell provide a SDK to develop MFI applications for Apple products? [000052564]

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Apple identified that for serial communication there are several variables and vague protocols that may cause the communication is difficult to set-up, or could become problematic at some stage. For ease of use and reliability from a customer perspective they force manufacturers to work through protocols that can ensure a straight forward and reliable Bluetooth serial connection, by introducing another hardware layer (the MFi Chip) to the Bluetooth serial communication chain, where MFI is an **extension** of the Bluetooth SPP (Serial Port Profile) protocol.



So why does MFI need an SDK?

A software app for an iOS device cannot directly communicate Bluetooth SPP to the scanner and has to use the specific buffers allocated by the Apple Framework. The SDK contains all universal commands for the Honeywell scanner platform, and can convey these commands as required by the Apple Framework, through the MFI chip, over the Bluetooth SPP link to the scanner. Although in theory developers should be able to work out how to send serial command across, with the help of an SDK, they can relatively easy start to develop MFI applications for the Honeywell scanners.

NOTE: Currently the Voyager 1602g is the only MFI certified device.

Voyager 1602g_Improvement for 2nd. Programmable Scan button. [000052320]

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Programmable Button

The second, smaller button on the scanner can be programmed so that pressing the button displays a virtual keyboard on the host, displays the battery charge status, puts the scanner into flashlight mode, or pairs and unpairs the Bluetooth connection between the scanner and the host. You may program one of these selections to occur after a short button press, and another selection to occur after a long button press. The scanner emits a short beep to let you know when the button has been held down long enough.

With firmware level **CW000052BBA**.moc there is a new feature for the 'Programmable Button' available. Command **BTNSEC6**. deletes last barcode record using Batch Mode with short press secondary button. Command **BTNSCL6**. deletes last barcode record using Batch Mode with long press secondary button.

It works on SPP and BTHID profiles, but not with the AP-100BT. This firmware is currently available as a custom firmware. The feature will be implemented in the next upcoming Standard Firmware release. As currently a standard firmware release is shortly before release, it will be the next after the upcoming!





Handling spaces in BCBP output. [000052544]

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EasyBCBP is designed against the IATA specifications explained in the BCBP (Bar Coded Boarding Pass) Standard (Resolution 792). That means the mandatory fields have a fixed length and any unused positions need to be filled with spaces, and the EasyBCBP plugin does NOT have the ability to suppress these spaces.

Hence if the carrier code is shorter than the max 3 length, or the flight number is shorter than the max 5 positions, those fields will have spaces at the end. The same also applies to the name fields.

When using a formatting plug-in like EasyBCBP, additional data formats cannot be invoked, and will be eliminated by the plug-in.



Customers that have requirements beyond what has been defined in resolution 792, (the BCBP standard), will need to achieve those by exclusively using the standard data formatting functionality, or alternatively write a plug-in that addresses their specific needs.

4850dr – Where to download the DR Alignment software utility? [000028656]

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Since September the software utility <u>DrAling V.1.0.0.4</u> is available through the Knowledge Base Article 000028656. Previously the DrAlignment tool did only support the 4800dr and the US letter format. With version 1.0.0.4 the tool is also supporting the 4850dr and the DIN A4 format.

Note: Before printing the alignment page make sure that the printer top and left print-offset is set to 0. Full details how to use the DRAlignment tool can be downloaded from <u>here</u>.

The document reader 4850dr is originally shipped with a document used to calibrate the scanner in order to get best results. If this calibration templet is lost, cannot be found, the DrAlignment tool is an easy way to create a new calibration sheet without any extra expenses!



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Provisioner for Android capabilities

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Since Android CommonES V3.16.3222 the provisioner of Android can perform

- · specific tasks when scanning a provisioner barcode ('Tasks'),
- run tasks after a factory reset ('FactoryResetTasks') and
- run tasks after a reboot ('RebootTasks')

A task can be an action like the following:

- Download a file from a webserver (using http or https) or from an FTP server.
- Download and Install a software update (OTA)
- · Download and process an XML or EXM file, which can contains settings or licenses
- · Download and install an application APK file
- · Download a file and save it in a specific location on the device
- · Copy a file from one location to another and process it.
- · Run send an Intent, start an Activity or Process

The "Provisioner for Android Users Guide" with detailed information and samples can be downloaded here.

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Samples included in this document are:

- · Download and install an APK and start its front-door activity
- · Download and install an APK persistently and start its front-door activity
- · Download and install Airwatch
- Download and install SOTI Mobicontrol Agent, and make it factory reset persistent
- Upgrade a CT50 from Android 4.4 to Android 6.0



License file name to upgrade from WE8H to W10 Enterprise IoT

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When creating a license file for Windows 10 the license file name should reflect the SystemSKU name. The SystemSKU is an identifier that we provide to Microsoft to identify WWAN vs NoWWAN.

Honeywell chose CT50LFN_W10M as the identifier for the WWAN model (regardless of the radio version.) So, both US and WW radio will have the same identifier CT50LFN_W10M. This may create some confusion as the WWAN part number for non-US devices starts with CT50L**U**N.

In conclusion, regardless of the actual part number the format of the file names that needs to be used to upgrade to Windows 10 are:

- D75e (all) = lic_75eL0N_1.xml
- CT50 WLAN Only = lic_CT50L0N_1.xml
- CT50 WWAN = lic_CT50LFN_1.xml



CN51 Android 6 licensing (1 of 2)

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If you receive a factory loaded Android 6 CN51 you don't need to care about licensing, as this is done in manufacturing.

Else on converting or upgrading a CN51 you need a license, before applying you will see such watermark.

Converting a WEH6.5 CN51 you need the Conversion license.

Upgrading a Android 4.2 CN51 you will need the Android6 OMAP license.

Upgrading a former converted WEH6.5 device to Android 4.2 you will need the Android6 OMAP license, as the unit is already on Android4.2

See below table for SKU and other information.

Don't mix up with the CT50/D75e Android6 licenses. They are not valid for CN51. Same, this licenses not valid for CT50/D75e.

CN51 Android 6 licensing (2 of 2)

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See below table for SKU and other information.

Don't mix up with the CT50/D75e Android6 licenses. They are not valid for CN51. Same, this licenses not valid for CT50/D75e.

	Melbourne - CN51	Melbourne Conversion – CN51		
Intermec SAP Part #	454-077-001	454-078-001		
Product Name	License, Android6 OMAP	Conversion License, CN51 Android 6		
Product Description	Single user license for Android 6 operating system on OMAP processor platforms	Single user license for CN51 Android 6 Conversion. Entitles user to convert one CN51 from Windows Embedded Handheld operating system to Android 6 operating system.		
Feature name	LicenseAndroid6 <mark>0</mark> .d	ConvLicAndroid6.d		
Maintenance licenses or is this a onetime sale?	One time	One time		
Version (only if it is a onetime sale)	1	1		
Comments	Android 4.2 to 6.0	Similar to 238-000-002		

WEH6.5 -> 454-078-001 -> Android 6

Android4.2 -> 454-077-001 -> Android 6

WEH6.5 -> 238-000-002 -> Android 4.2 -> 454-077-001 -> Android 6

CN51 Android 6 how to license (1 of 2)

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To license a CN51 Android 6 you will have two choices.

- 1. Automatically license the unit
- 2. Manual perform the licensing

Automatically is a short performance

- 1. Copy the license file (e.g. CN51xxxxxxx.xml) internal storage Honeywell license.
- 2. The file will be processed automatically.
- 3. The watermark is gone

Note: When the license file is copied, processed by the device and accepted, the file will be deleted immediately.



CN51 Android 6 how to license (2 of 2)

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Manual performance

- 1. Locked Screen
 - a. Tap the nice unreadable field behind the watermark $\ensuremath{\textcircled{\sc only}}$
 - b. Touch again (Tells you to do twice on bottom of screen)
- 2. Unlocked Screen
 - a. On the device, in the home screen, swipe from top down b. Click on "No Upgrade License...."
- 3. Both continued
 - a. Click "Install License"
 - b. Get the license file where you copied already
 - c. Click the file to install
 - d. Confirm on next screen

Note: If the license file is valid for the device, it will show "License success", and the watermark has disappeared.





CN51 Android 6 upgrading/converting (1 of 2)

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To upgrade a CN51 from Android 4.2 to Android 6 you will have two choices.

- 1. Using the sdcard method
 - a. This upgrade installs the OS and the CommonES!
- 2. Running an OTA upgrade
 - a. In case of the OTA method you will need 3 files
 - I. JB_upgrade_to_M_update.zip
 - II. full_CN51-ota-74.xx.xx.xxx.zip
 - III. Honeywell_CommonES_Android_Common_4.xx.xx.xxx.zip

Note: To convert a CN51WEH to Android 6 you will have choice 1 only.

SD Card Upgrade

- 1. The SD card needs formatting as FAT32, and the partition of SD card needs to be set as the primary partition, a logical partition will not work.
- 2. Unzip the sd-CN51-<build>.zip and copy the contents to root directory of SD card on a PC.
- 3. Insert card into the device and power it on, the update should start and take about 20 minutes
 - a. Formatting Flash
 - b. Honeywell screen
 - c. See a progress bar
 - d. Android robot
 - e. Honeywell screen

Company - So black		TAIL States on the (c)	
Organize Share with Burn	New folder	川• 🗍	0
+ Favorites	Name	Date modified	Type
E Desktop	Lupgrade_from_411	6/21/2016 7:11 PM	File fo
📜 Downloads	android.nb0	6/20/2016 11:26 PM	NB0 F
🐉 Recent Places	autoflash.cmd	6/20/2016 11:26 PM	Wind
	e) cache.img	6/20/2016 11:26 PM	Disc I
😂 Libraries	IBOOT.nb0	6/20/2016 11:26 PM	NB0
Documents	IPSM.img	6/20/2016 11:26 PM	Disc
S Pictures	e) license.img	6/20/2016 11:26 PM	Disc
a Subversion	e oem.img	6/20/2016 11:26 PM	Disc
SVideos	e oem_blank.img	6/20/2016 11:26 PM	Disc
	README	6/20/2016 11:26 PM	File
Not Computer	e recovery.img	6/20/2016 11:26 PM	Disc
losDisk (C:)	secure.img	6/20/2016 11:26 PM	Disc
5D Disk (E:)	Update.zip	6/20/2016 11:26 PM	Com
guest (\\172.31.48.44) (V:) Engineer (\\ch3uw1050) (X:) HSM (\\de08st2702.honeywell.com) brianzhang (\\ch3uu0002) (Z:)	e) userdata.img	6/20/2016 11:26 PM	Disc
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CN51 Android 6 upgrading/converting (2 of 2)

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OTA Upgrade (non-SD card)

1. Create a ota_install folder in the internal storage folder.



- 2.Copy/Download the android M full-OTA package(user build) to the ota_install/ in internal SD card, and rename it's name to update.zip.2
- 3. Copy/Download the android M common ES package(release build) to the ota_install/ in internal SD card, and rename it's name to Honeywell_CommonES.zip.2
- 4. Copy/Download the JB_upgrade_to_M_package.zip to the ota_install/ in internal SD card
- 5.Go to 'Setting' > 'About phone' > 'System updates' > click on "JB_upgrade_to_M_update.zip", click 'ok' on the popped window, the system will reboot and start the upgrading.
- 6. Wait for the end of Full-OTA upgrade, then device will boot into OS.
- 7. After the OS boots into desktop, a message will be shown that Common ES package detected, the device will reboot again to install the ES packages.
- 8. After finished the ES packages installation, the device will boot into Android OS and ready to use.
- 9. During the whole update progress, more than 5 reboot cycles are needed
- 10. The whole progress will take about 30minutes and Common ES tool are also installed through this progress.
- 11. After update complete, check 'Setting' > 'About phone' > 'Build number', to make sure the version you flashed was updated.

In both cases you may check the CommonES build number by using the 'Power Tools' > 'Diagnostic Info'. Tab the upper right 3 dots and choose "About". You will see the version number of CommonES.

NOTE:

If you upgraded or converted a CN51 to Android6, due to a radio firmware upgrade to accommodate the new API in Android6 (new calls and functions), a downgrade/revert is NOT possible!



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CN51 Android 6 quick tips to start (1 of 2)

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Missing the onscreen keyboard:



If you have upgraded or converted your CN51 you will need to go through the steps to get the unit running. You will need to select your language, may skip the SIM-setup, but most people will try to connect wireless. You will get the SSID from your network and need to insert the password. You see the keyboard symbol on the right lower corner, but no keyboard pops up. No choice to insert the key.

Tab the keyboard symbol. You will the "Change keyboard". The option "Show input method" is disabled. Move the slider to on and the keyboard will appear



CN51 Android 6 quick tips to start (2 of 2)

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Connecting the CN51 to a PC missing the folders from the unit

The default behavior on Android6 is "USB for charging". That is for security reason, so nobody could check files on your device without your permission.

To change to file transfer

- 1. On the device, in the home screen, swipe from top down
- 2. Tap on 'USB for charging'
- 3. Tap on 'Transfer files'
- 4. The change is effective immediately.





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Printers Overview

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on the self-test label will be missing along with the printers MAC address.

New reprint function in Z-Sim firmware version P10.11.011942 (1 of 2)



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Reprint functionality is used to print the last successfully printed label. For a successful reprint, at least one label has to be printed after enabling reprint.

A. Enabling and disabling Reprint

Reprint functionality (feature) can be enabled and disabled from LCD Screen or from configuration page of printers Web-UI or using ZPL commands.

I. Changing Reprint setting from LCD Screen

- 1. Go to 'Menu' > 'Settings' > 'Languages' (you might need to scroll down to see it).
- 2. Under Language Settings go to 'Zsim' > 'General Settings'.
- 3. Under 'General Settings', you can set Reprint to "On" or "Off' (scroll down to see it).



Intermec	PM43:PM43-33021345001 Logout: itadmin Eng		
Home Configure	Manage System Information	Services Contact	
► Communications	Allow Reverse Print Simulator Resolution	On V Default	
 Printing System Settings 	General Settings		
► Alerts	Command Character	94	
Network Services	Delimiter Character	44	
▼ Languages	Printer Name Software Version	PM43	
2011	Reprint	Off •	
	Ignore Commands		
	Ignore ^FR	Off •	

II. Changing Reprint setting from WEB page

- 1. Enter the IP-address of the printer in a web-browser
- 2. Go to Configure page
- 3. Select Languages > Zsim.
- 4. You will find "Reprint" option under General Settings.
- 5. Using this Reprint functionality can be turned On and Off. (it is turned off by default

New reprint function in Z-Sim firmware version P10.11.011942 (2 of 2)

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III. ZPL Commands:

- 1. Open printer's Web Page by entering the printer's IP address in a browser.
- 2. Now go to 'Services' > 'Send Printer Commands'.
- Now paste the following command in the text box and click on 'Send' button to enable ^XA ^JJ,,,,e, ^XZ And similarly to disable it send the following command: ^XA ^JJ,,,,d, ^XZ
- 4. Alternatively, you can send the command using Teraterm or any network communication tool.

NOTE: The Reprint setting will be retained even after the printer is rebooted.

B. Reprinting a label:

Once the Reprint option is enabled, the last printed label can be reprinted using one of the following methods:

I. Using Feed Button:

After printing a label, press the feed button on the printer to Reprint the label.

II. Using ZPL commands:

You can also reprint the label by sending "~PR" command to the printer.

NOTE: After reprinting the label, if Reprint is turned off (disabled) or if the printer is restarted, Reprinting of a label will not work until a label is printed.

M-Class MKII: How to download the MCL System Menu on the printer? (1 of 2)

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Requirements:

- Latest version of DMX Net Manager, click here to download it. Select brand Datamax-O'Neil and product DMX Net Manager to download it
- The MCL Graphic system file for the M-Class MKII can be download here

Procedure

- 1. Open DMX Net Manager and add the printer that required the system menu
- 2. Enter the following:
 - 'Device ID': 255
 - 'Name': Give Device a name
 - 'IP Address': Enter Device IP Address
 - 'Printer Type': Select from drop down menu
- 3. Confirm with 'OK'

Status printer [New Pri	inter]	E
001 Refresh Profile	Device ID 001 IP Address Name	
Main Hardware System Prort Panel Print Control Media Settings Communication GPIO/Aux Supples Mgmt Supples Control Printer Control Printer Control Printer Status	Man Device ID 001 State Disable Name IP Address Proter Type A4212 Group Line 1 Protty Low Normal High Default Soript CNone>	
	OK Cano	9

- 4. Now browse to the printer that was just created. Selected printer should be dark blue.
- 5. Now select the icon like shown in the picture above to connect to printer. At least two green boxes should indicate that there is a connection.

M-Class MKII: How to download the MCL System Menu on the printer? (2 of 2)



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As a next step select 'Control' > 'Load 6.



- In 'Action', select 'Load MCL Project' 7.
- In 'Project Name', select 'System Menu Name' 8.
- 'MCL Project Path': This needs to be the folder that includes the MCL System File folder 9. and not the MCL System File folder itself.
- 10. Now select 'Load', the system file will now be loaded.
- 11. Check that the file has been loaded into the printer by selecting on the printer 'Menu' > 'MCL' > 'Start MCL'
- 12. MCL will now be started on the M-Class MKII. If it starts without error message 'System Menu not found' the MCL System file is now successfully loaded.

Load File / Control
Action Action Action MCL-Project
Options
Project Name [M-MarkII MCLSystemMenu_0 - MCL Projects Path [C:\Documents and Settings\abacon\My Docum]
Load Cancel

Thermal print head overview (1 of 3)

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This is a brief overview how TPH work and look like in details.

Also you can have a closer look how a TPH looks like if it is damaged.

In the **thick film printhead**, the leads are designed like fingers that overlap from opposite directions as illustrated below. One set of "fingers" is connected to common ground, whereas each "finger" in the other set can be individually supplied with a current. Where the fingers overlap, there is a string of resistor compound that will be heated when the current passes through it.

Since the current will pass to the grounded fingers on both sides, two parallel concentrated and well-defined dots ("butterfly") will be produced.

The resistor compound and the tips of the fingers are protected by a glass coating, which gives a mustard-yellow surface. Usually, double glasscoating is used to avoid pinholes.

The resistor compound with glass-coating will protrude approximately 0.05-0.1 mm from the ceramic tile. 50% of the energy is emitted to the thermal paper or transfer ribbon and 50 % is absorbed by the printhead.





Thermal print head overview (2 of 3)





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In **thin film** printhead, the conductor fingers do not overlap, but meet tip to tip in the resistor compound. Under the resistor com-pound, there is a spacer strip, usually made of glass, which also serves as a reflector. As is also the case with thick film printhead, a double glass-coating protects the conductors and the resistor compound from wear, sand, grit etc.

Since the thin film printheads contain a small amount of material to be heated and cooled, they can be controlled quickly. The reflecting strip and the general design directs more energy to the paper or ribbon (»60%) than back into the printhead assembly.





Thermal print head overview (3 of 3)

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Some pictures how a damaged printhead can look like and how to identify.

Mechanical damaged TPH





Dot degradation from overheating

Setting 'Custom Page Settings' In Windows driver



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The stock sizes specified in the "driver preferences" dialog are "Global" to all drivers. If you wish two drivers to have different stock configuration you will need to create a custom size for each of them, and make sure that size is set to "default" for each driver separately.

*If the drivers revert to use the "USER" stock size, you can disable it. By entering the driver preferences, under the "Page Setup" tab, clinking on the "Advanced Options..." button and under the "Driver Options" tab:

TOSHIBA B-EX4T1 (305 dpi) Printing Preferences A Page Setup Graphics Stock Options About	
Stock Name: USER (104,0 mm x 74,2 mm) ~ New Edit Delete	
Preview Orientation Effects ALE Indiscape Mirror Image O Portrait 180° Negative Preset Landscape 180° Manage Preset Advanced Options	Advanced Options ? × Printing Position User Commands Driver Options Passthrough Device Line Substitution Printing Position Printing Position Printing Position Enable Substitution Minimum Length: 6.4 mm Software Compatibility These settings only need to be adjusted in rare circumstances with certain applications. Do not change the defaults unless instructed by a support technician. Default Conjes: 1
© 1997-2016 Seagull Scientific, Inc., Authors of the BarTender® label software. OK Cancel Apply Help	Disable Copies Limit Disable User-Defined Page Size Disable Page Size Sbading OK Cancel Apply Help

Why does the printer web page getting slow when running a Fingerprint Program?

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ROOT CAUSE:

Whenever a FP, (Fingerprint), application is running in the Printer, the FP process will take over about 100% of the CPU. So to load web page will take considerable time. Actually in the application continuous loop is running for FP.

SOLUTION:

To load other modules the printer need to have a sleep time for the CPU. In the attached sample there is added a sleep time of 20 milliseconds, which will be used normally for all FP applications. After adding this command the issue is fixed and the printer web page is loading quickly.

In the example below the inserted command will be shown

Sesions - Response - R	n File Edit Search View Tools Help	New version avails
Chiakshmi/HSM/PRINTERS/HJURA TICKETS/HJU-4244/downloads/program.tx + 9/7/DIS 50931 LM IJ1/39 byte <adds.tx +="" 2283="" 22838="" 2284="" 32="" 39="" 50931="" 7="" 9="" <adds.tx="" ansi="" by<="" byte="" dis="" ij1="" lm="" pc="" pm="" th=""><th>Sessions ▼ 💌 ≠ = 🛃 ≈ 👷 🗞 🗞 ▼ 🗇 📝 🕴 🛉 👫</th><th></th></adds.tx>	Sessions ▼ 💌 ≠ = 🛃 ≈ 👷 🗞 🗞 ▼ 🗇 📝 🕴 🛉 👫	
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Additional settings when using 'Parser Look Ahead'

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If 'Parser Look Ahead' is enabled, and a <SOH>C (Immediate command to Stop/Cancel) and <SOH>B (Immediate command to Toggle Pause) is sent to the printer ONLY the current print job will be canceled.

In order to cancel the complete print jobs currently in the printer's

memory an additional setting must be set.

This setting is called 'Cancel Batch'

To access this setting go to:

'Menu' > 'System Settings' > 'Cancel Batch' > Set to 'Enable'.

NOTE: This applies to A-Class MKII – H-Class – M-Class MKII.



After a firmware upgrade it is possible that the 3 barcodes that should show up on the self-test label will be missing along with the printers MAC address.



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To restore all of these items a copy of the configuration software 'Cassini' and a serial down load cable (P/N 5892RJD9) is required.

1.Connect Cassini to the printer using the serial down load cable.

2.Run Cassini software.

3.Select the tools item in the tool bar.

4.On the next page that will open, migrate to the lower part of the screen.

5. Enter the Printers Serial Number and Part Number.

6.Now under ' Miscellaneous ' check the 'Append Mac' check box and the 'Human Readable box.

7.Select Restore.

8.Rerun self-test label and the missing data will appear

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Signing and Side-Loading Windows 10 UWP Applications

The most compatible Virtual Wedge Setup



2

Intermec License Manager v1.1.0.254 - Help shows no content



Signing and Side-Loading Windows 10 UWP Applications

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The detailed process steps can be downloaded from here.

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The most compatible Virtual Wedge Setup





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There are sometimes cases with the keyboard wedge and specific applications or code. The Keyboard Wedge simulates user input by using a transmission suitable for the OS and the application. The Intermec Virtual Wedge knows different methods to simulate user input of read barcode data: by the clipboard (Block mode), Character mode and "Adapt to application".

Clipboard mode (CLIP) is the fastest way to transfer data and so this is the default. The Wedge simulates a clipboard paste by setting the clipboard to the barcode data and then sending a CTRL+V to the foreground application.

Applications that are looking for key events only will not get the data, as they only may see the CTRL+V. Especially, if the application does not use standard window base classes like the "Edit" window class template.

The second method is called "Character mode" and the Wedge sends WM_CHAR and empty (no key scan code) WM_KEYUP messages to the foreground window. Applications that look for WM_KEYDOWN or scan codes in WM_KEYUP will fail to recognize such data. This is true for HTML/Javascript web browser applications, as the javascript key events normally depend on correct WM_KEYUP messages (with a key scan code).

The third method "Adapt to application" uses a table of settings that is used after identifying the foreground window. Applications are identified by the Window Text or Window Class name. This method defines a different 'method' for each identified target. This may result in the Wedge using the Clipboard, PostMessage, SendMessage or KeyEvent or mixes of these for an application.

You can get an idea of what is used by placing an ASCII file named vwConfig.ini in \Windows on the device and then reboot. You will get two files, vwDefaultLog.txt and vwCustomLog.txt. These files show the setting used for default (not-specified targets) and known targets.

The most compatible Wedge Method is "Adapt to application" with a custom vwconfig.ini using the EVENT method for the target window. If you need to replace an existing setting, use the same section name. For example to replace the Internet Explorer setting, use IEMOBILE.

[VWConfig]
;dump config to vwCustom.log.txt and vwDefault.log.txt
DumpConfig="1"
[IEMOBILE]
WindowName="IEMobile"
GlobalXmitMethod="EVENT"
GlobalXmitType="Table"
;apply the above for all apps with no special section
[DEFAULT_APPLICATION]
GlobalXmitMethod="EVENT"
GlobalXmitType="Table"

Intermec License Manager v1.1.0.254 - Help shows no content (1 of 2)

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There is a bug in the html files that may prevent the browser to show the content:



Although article 000049267 states that you can view the help in Firefox 45.0.2, that is a workaround but does not fix the root cause. Further on, the help file will be loaded by the default browser (normally IE) if the Help menu item is clicked in ILM (Intermec License Manager).

The root cause is that the used javascript framework is designed for web pages with a "comments" frame, but there is no "comments" frame in the html pages. The security error (see below) prevents a secure browser to not show the content.

Intermec License Manager v1.1.0.254 - Help shows no content (2 of 2)

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The error can be easily seen, if you use the Developer options inside Chrome:

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2			

The changed file set are uploaded to SF library and the article has been updated to enable the user to download a fixed ILM help.

The lines in MadCapAll.js referring to the missing 'comments' frame where commented out like this:

//k.BodyCommentsFrame =
k.BodyFrame.frames.topiccomments;

and then the page loads and shows fine:



FAQs



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Scanners FAQs



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Mobility FAQs



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Printers FAQs



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Software FAQs



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Scanning Firmware List

Mobility Firmware List

Printer Firmware Lists

- Intermec
- Datamax-O'Neil

Supply Chain Firmware List





Thank you!

You can reach us for feedback or suggestions at

HSMSupportSolutions@honeywell.com

