Oracle[®] Hospitality Cruise Shipboard Property Management System Zebra ZXP SERIES 7 Installation Guide Release 7.30.868

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Preface

Audience

This document is intended for application specialist and users of Oracle® Hospitality Cruise Shipboard Property Management System.

C ustomer S upport

To contact Oracle Customer Support, access My Oracle Support at the following URL: https://support.oracle.com/

When contacting Customer Support, please provide the following:

- Product version and program/module name
- Functional and technical description of the problem (include business impact)
- Detailed step-by-step instructions to re-create
- Exact error message received
- Screen shots of each step you take

Revision History

Date	Description of Change
September 18, 2015	Initial publication.

1. Introduction

Utilizing the latest in Zebra card printing technology, the ZXP Series 7 provides highvolume, high-quality printing. The printer delivers fast yet reliable performance while offering users exceptional value by lowering the printer's cost of ownership. ZXP Series 7 prints sharp vivid cards with precise color control.



Figure 1-1 - Zebra ZXP Series 7 Card Printer

1.1. Prerequisites

Installing a device with a correct firmware, driver and SDK version is essential. Download these setup files from the FTP release folder: /Fidelio/Fidelio Cruise SPMS/Release730/Hardware Drivers/Zebra/ZXP Series 7 and /Fidelio/Fidelio Cruise SPMS/Release730/Hardware Drivers/OMNIKEY 5321.

- Setup file: Zebra ZXP Series 7.zip
- SDK setup file for Operating System running on:
 - o zmotif-sdk-32bit-v3-0-4.zip for Windows 32-bit System
 - o zmotif-sdk-64bit-v3-0-4.zip for Windows 64-bit System
- Remove all previously installed driver, if any.
- Omnikey_5x2x_unattended_w7_x64_r1_2_26_140_0.zip

1.2. Supported Systems

- Windows 32-bit System
- Windows 64-bit System

1.3. Certifications

- Certified driver version: DZ7CG.03.00.00.00.
- Certified firmware version: fz7mg-03-00-00.
- Certified SDK version: v3.0.04.

1.4. Compatibility

Oracle® Hospitality Cruise Shipboard Property Management System (SPMS) version 7.30.868 or later. For customer operating on version below 7.30.868, database upgrade to the recommended or latest version is required.

2. Network Printer Settings

For card to be encoded via a network printer, a static network IP *must* be assigned before installation begins.

- 1. Connect the network cable to the Ethernet port on the rear of the printer for network connection or directly to the computer's Ethernet port.
- 2. Turn on the printer.
- 3. When the printer is in **READY** mode, press **MENU** on the Operator Control Panel (OCP).
- 4. Press DOWN, then choose NETWORK SETTINGS option, and then press SELECT.
- 5. Press **DOWN**, choose **SET IP ADDRESS**, and then press **SELECT**.
- 6. Press **CHANGE** to set in the *IP address* in each number block, using **NEXT** to move to the next block.

Press EXIT to return to the previous menu when the IP assignment completes.

7. Press DOWN and choose SET SUBNET MASK, then press the SELECT.

To enter the **SUBNET MASK**, use **CHANGE**, and enter the number in block using **NEXT** to move to the next block.

Press **EXIT** to return to the previous menu.

Note: The Ethernet printer does need to be in the same subnet as the host. It can be in a different subnet as long as it is reachable from the host.

- 8. Press DOWN, choose SET DEFAULT GATEWAY, and then press SELECT.
- 9. Use **CHANGE** to enter the number in each block and **NEXT** to move to the next set of number.

Press **EXIT** to return to the previous menu.

10. To save the settings, press UP, select SAVE SETTINGS, and then press SELECT.

3. Driver Installation

Installing the correct driver is essential for the printer to work as it should be. The Zebra ZXP SERIES 7 supports both Ethernet and USB Driver.

Warning: Ensure you have removed any previously installed Zebra ZXP Series 7 Card printer driver and REBOOT.

3.1. USB Printer Driver Installation

- 1. Right-click and choose Run as Administrator on the DZ7CG.03.00.00.exe.
- 2. On the Welcome to the InstallShield Wizard screen, click Next to continue.



Figure 3-1 – USB Driver Installation Welcome Screen

3. Select Install USB printer drivers. This is the default, and then click Next.



Figure 3-2 - USB Driver Installation

4. Ensure the printer is *turned off*, and then click the **OK**.



Figure 3-3 - USB Driver Installation Prompt

5. On the License Agreement window, select **Accept the terms of the license agreement**, and then click **Next**.



Figure 3-4 - USB Driver Installation License Agreement

6. Enter the name and company information, and then click Next.

	Zebra ZXP Series 7 Card Printer - InstallShield Wizard	
Customer Information Please enter your information.		
	Please enter your name and the name of the company for which you work.	
	User Name:	
	Kelvin	
	Company Name: Fidelio Cruise	
InstallShield	Cancel	

Figure 3-5 - USB Driver Installation Customer Information

7. On the Choose Destination Location window, click **Next** to accept the default setup location.

Zebra ZXP Series 7 Card Printer - InstallShield Wizard					
Choose Destination Location Select folder where setup will install files.					
	Install Zebra ZXP Series 7 Card Printer to: C:\Program Files (x86)\Zebra ZXP Series 7	Change			
InstallShield	< Back	Cancel			

Figure 3-6 - USB Driver Installation Destination folder

8. Click **Install** to continue.



Figure 3-7 - USB Driver Ready to Install

9. Click **Finish** to complete the installation.

Zebra ZXP Series 7 Card Printer - InstallShield Wizard				
	InstallShield Wizard Complete The InstallShield Wizard has successfully installed Zebra ZKP Series 7 Card Printer. Click Finish to exit the wizard.			
	Show the Readme file.			
InstallShield	< Back Finish Cancel			

Figure 3-8 - USB Driver Installation Complete

10. In the **Control Panel**, **Devices and Printers** screen, the **Zebra ZXP Series 7 USB** printer is now installed and ready to print.

-			Dev	ices and Pri	inters			- 5	x
€ ⊚ ◄	1 🖶 « Al	I C 🕨 Devic	• •	C Searc	h Devices and	Printers			<i>م</i>
<u>F</u> ile <u>E</u> dit <u>V</u>	iew <u>T</u> ools	<u>H</u> elp							
Add a device	Add a pi	rinter							0
Zebra ZXP Series 7 Network Card Print	Send To OneNote 2013	QA-NPI3DB 9C5 (HP LaserJet M1536dnf	NPIF8EA80 (HP LaserJet M1536dnf	Microsoft XPS Document Writer	Journal Note Writer	HP LaserJet Enterprise 500 Color M551 PCL	FUJI XEROX DocuPrint CM205 b	Fa	×
Adobe PDF	Zebra ZXP Series 7 USB Card Printer								=
-	19 items								

Figure 3-9 - Printer installed in Devices and Printers screen

3.2. Ethernet Printer Driver Installation

- 1. Right-click and choose Run as Administrator on the DZ7CG.03.00.00.exe.
- 2. On the Welcome to InstallShield Wizard screen, click Next to continue.



Figure 3-10 – USB Driver Installation Welcome Screen

3. Select Install Ethernet printer drivers, and then click Next to continue.



Figure 3-11 - Ethernet Printer Driver Installation

4. Ensure the printer is *turned on*, and then click **OK**.



Figure 3-12 - Ethernet Driver Installation Prompt

5. On the License Agreement window, select **Accept the terms of the license agreement**, and then click **Next**.



Figure 3-13 - USB Driver Installation License Agreement

6. Enter the **name and company information**, and then click **Next**.

Z	ebra ZXP Series 7 Card Printer - InstallShield Wizard
Customer Information Please enter your information.	
8 B	Please enter your name and the name of the company for which you work.
	User Name:
	kelvin
	Company Name:
E	Fidelio Cruise
InstallShield	Cancel

Figure 3-14 - USB Driver Installation Customer Information

On Search Ethernet Printers window, click **Refresh** to search for available Ethernet printers on the network. A list of network printers will be displayed.

Select the desire printer, then click **Next**.

Zebra ZXP Series 7 Card Printer - InstallShield Wizard				×			
Search Ethernet Printers Setup will search for the Ethernet printers in the network and display the available printers. You can select one of the available printers so that setup will install drivers for it.							
	Select Printer IP Version						
	Enter Printer IP Address	192.168.30.99					
	IP Address	MAC Address	Serial No				
	192.168.30.99	00:07:43:48:80-ac	12J131602318				
			Helican	_			
InstallShield	< <u>B</u> ac	k <u>N</u> ext>	C	ancel			

Figure 3-15 - Ethernet Printer Detection

8. Enter the **Location** of the printer and any **Comments** regarding the printer, then click **Next**.

Zebra ZXP Series 7 Card Printer - InstallShield Wizard				
Zebra ZXP Series 7 Card Pr	inter - InstallShield Wizard			
	Enter the location of the printer and comments regarding the printer.			
	Location			
	Comment			
InstallShield	< <u>B</u> ack <u>N</u> ext > Cancel			

Figure 3-16 – Set Ethernet Printer Location

9. On Choose Destination Location window, click **Next** to accept the default setup location.

Zebra ZX	P Series 7 Card Printer - InstallShield Wizard	×				
Choose Destination Location Select folder where setup will install files.						
	Install Zebra ZXP Series 7 Card Printer to: C:\Program Files (x86)/Zebra ZXP Series 7	Qhange				
Install Shield	< Back	Cancel				

Figure 3-17 - USB Driver Installation Destination folder

10. Click **Install** to continue.



Figure 3-18 - USB Driver Ready to Install

11. Click **Finish** to complete the installation.

2	Zebra ZXP Series 7 Card Printer - InstallShield Wizard
	InstallShield Wizard Complete The InstallShield Wizard has successfully installed Zebra ZXP Series 7 Card Printer, Click Finish to exit the wizard.
	Show the Readme file.
InstallShield	< Back Finish Cancel

Figure 3-19 - USB Driver Installation Complete

12. In the **Control Panel**, **Devices and Printers**, the **Zebra ZXP Series 7 Network Card Printer** is now installed and ready to print.

-			Dev	ices and Pri	nters			-		x
• ا	1 🗟 « Al	II C • Devices	v	🖒 Search	Devices and I	Printers				P
File Edit V Add a device	i <mark>ew <u>T</u>ools</mark> Add a p	<u>H</u> elp rinter See v	vhat's printing	Manage	default printe	rs »		10 N 10 10	•	 •
Zebra ZXP Series 7 Network Card Print	Send To OneNote 2013	QA-NPI3DB 9C5 (HP LaserJet M1536dnf	NPIF8EA80 (HP LaserJet M1536dnf	Microsoft XPS Document Writer	Journal Note Writer	HP LaserJet Enterprise 500 Color M551 PCL	FUJI XEROX DocuPrint CM205 b		Fax	¥.
Adobe PDF	Zebra ZXP Series 7 USB Card Printer									=
	Zebra ZXP	Series 7 Netw	ork Card Prir	nter Model: Category: Status:	Zebra ZXP S Printer 0 document	eries 7 Networ (s) in queue	k Card Printer			

Figure 3-20 - Network Printer installed in Devices and Printers screen.

4. Firmware

The firmware version determines the operability of the device. See *Introduction* page for certified firmware version.

4.1. Updating the Firmware

1. In Printer and Devices, right-click on the printer icon and select Printer Preferences.



Figure 4-1 - Firmware Update

2. At the bottom of the Card Setup tab, click on **ZXP Toolbox**.

	Encoding	Black Panel (K) Optimization About
Card opt Card so	ions urce	Feeder cartridge V
Card de	stination	Output hopper
Image s	ize	Default Size (1006 * 640 pixels) V
Printing o	options	
Orientat	ion	Landscape v Front Back
Print on	both sides	Yes V D GAND
Rotate	180°	None v
Copies		1 🜩
Print fro	nt image o	n back side No 🗸 Test Print
Ribbon in Ribbon	fo and opt type	tions Ribbon combination
Mor	ochrome	K Front / K Back
Fr	ront K action	K Front / K Back Back K extraction
Mor Fr extra Laminato	ront K action	Back K extraction
Mor Fr extra Laminato	rochrome	KFront /KBack Back K Extraction potons None Lamination mode Any
Mor Fr extra Laminato Laminato	ront K action r info and or nate	Redic K extraction options None Lamination mode Any
Mor extra Laminato Laminato Top lami Bottom I	ont K action r info and or nate aminate	KFront /KBack Back K extraction cptors None None None
Mor extra Laminato Laminato Top lami Bottom l	r info and or on tk or nate aminate inate only	K Front / K Back Back K extraction coptors None Lamination mode Any None None None

Figure 4-2 - ZXP SERIES 7Toolbox

3. Under Firmware and Lookup Tables, browse for the BIN file in your local PC folder.

		C ivenesh ; Hi
nformation 🛠	Firmware and Lookup Tables	Printer Status
Printer	Select Firmware to Download	BEADY
Sensors	Firmware source path Browse	Tunio I
Media		
infiguration 🔹	Check Firmware Updates (Internet connection required)	
	Keep downloaded file locally	
Save/Restore	Downloaded life pain. C. Programbatatz XP Series XP Imware	
Firmware and Lookup Tables	Check Undates Download File	
Printer Settings	U 76 DOWINGO THE	
-	Lookup Tables	
aning 🎗	Currently applied LUT: ZXP7DefLut1.01.11.14	
Clean Printer	Select LUT to download to printer	
nt Test Card 🔹	Default LUT ZXP7DefLut1.01.11.14	
Print Preferences	O Qustom I UT	
Monochrome Optimization	Download selected LUT	
Print Sample Card		
chnology 🗙	Save installed LUT to Host	
Magnetic Encoding		
Ivanced Security 🛠		
Configure Security		
Security Roles		
nt Viewer 🔶		
Print PRN File		

Figure 4-3 - Firmware Lookup Table

- 4. Select the file and click **Open**.
- 5. Read the warning about erasing the firmware, and then click **OK**.

Warning: The device will no longer function if the wrong firmware is applied.

- 6. Read the firmware file confirmation message, and then click **OK**.
- 7. During the firmware upgrade, the progress screen is shown on the device control panel.

Warning: Do not power off the device when firmware upgrade is in progress.



Figure 4-4 - Firmware Flash on Device

8. On completion, an Upgrade Complete is shown on Operator Control Panel.

9. Reboot the printer by powering it off/on.

4.2. Verifying the Firmware Version

1. In Printer and Devices, right-click on the printer icon and select **Printer Preferences**.



Figure 4-5 - Firmware Update

2. At the bottom of the Card Setup tab, click on ZXP Toolbox.

Card and	cheoding	book and the openitation About
Card opt	urce	Feeder cartridge 🗸 🗸
Card des	stination	Output hopper 🗸 🗸
Image si	ze	Default Size (1006 * 640 pixels) V
Printing o	ptions	
Orientat	ion	Landscape v Front Back
Print on	both sides	Yes v D GAND
Rotate 1	180°	None v
Copies		1 💼
Ribbon in Ribbon	fo and opti type	Ribbon combination
Ribbon in Ribbon Mor	fo and opti type iochrome	Ribbon combination K Front / K Back
Ribbon in Ribbon Mor Fr	ont K sction	Ribbon combination K Front / K Back Back K extraction
Ribbon in Ribbon Mor Fr extra	nfo and opti type nochrome ont K action	Ions Ribbon combination K Front /K Back Back K extraction pptons
Ribbon in Ribbon Mor Fr extra Laminato	fo and opti type nochrome ont K action r info and c	Inne Ribbon combination K Front / K Back Back K extraction potors None Lamination mode Any
Ribbon in Ribbon Mor Fr extra Laminato Laminato	no and opti type nochrome ont K action r info and c or nate	International Internation Internatio Internatio Internation Internation Internation Intern
Ribbon in Ribbon Mor Fr extra Laminato Laminato Top Iami Bottom I	ifo and opti type nochrome ont K action r info and c or nate aminate	International Internation Internatio Internation Internation Internation Internation Inter
Ribbon in Ribbon Mor Err extra Laminato Laminato Top Iami Bottom I	r info and opti type rochrome ront K action r info and c or nate aminate inate only	Anne Rbbon combination K Front /K Back Back K extraction None None

Figure 4-6 - ZXP SERIES 7 Toolbox

Information 🛠	Printer				Printer Status
Printer	Firmware				
Sensors	Firmware version	FZ7ME.02.09.06	Laminator version	Not Installed	READY
Hedia Media	MAB version	FZ7RE.02.02.00	Laminator MAB version	Not Installed	
Configuration	Stacker version				
Ma Joh Log	Other				
Save/Restore	Printer serial no	12J131802318	Interface	Ethernet	
Firmware and Lookup Tables	Laminator serial no				
Classing +	Options				
Cleaning 2	Magnetic encoding	ISO	Contact smartcard	No	
Clean Printer	Contactless smartcard	None	Laminator type	None	
Print Test Card	Barcode reader	No	Stacker installed	No	
Print Preferences Monochrome Optimization Print Sample Card	Network Configuration IPv4 address Subnet mask	192.168.30.99 255.255.255.0	Gateway MAC address	192.168.30.1 00-07-4d-48-80-ac	
Technology 🛠	IPv6 address	None			
Magnetic Encoding					
Advanced Security 🔹	OCP		Odometer	1000	
U Configure Security	Language	English	Card printed	1939	
log Security Roles	LCD contrast	35	Printhead lines printe	d 948658	
Print Viewer					
(Ē) Print PRN File					

3. Under **Information section**, verify the firmware version displayed.

Figure 4-7 - Firmware Version Installed

4.3. Printer Configuration

1. In Printer and Devices, right-click on the printer icon and select **Printer Preferences**.



Figure 4-8 - Firmware Update

2. Go to the Encoding tab.

Card options	
Card source	Feeder cartridge 🗸 🗸
Card destination	Output hopper 🗸 🗸
Image size	Default Size (1006 * 640 pixels) V
Printing options	
Orientation	Landscape v Front Back
Print on both sides	Yes v D GAAD
Rotate 180°	None V
Carles	
copies	1 👿
Print front image o	n back side No V Test Print
Print front image o Ribbon info and op Ribbon type Monochrome Front K	n back side No v Test Print tons Rbbon combination K Front / K Back v
Print front image o Ribbon info and op Ribbon type Monochrome Front K extraction	1 v Test Print n back side No v Test Print tons Ribbon combination KFront / K Back v extraction
Print front image o Ribbon info and op Ribbon type Monochrome Front K extraction Laminator info and	1 v 1
Print front image o Ribbon info and op Ribbon type Monochrome Erront K extraction Laminator info and Laminator	Iv No V Test Print Robon combination KPront / K Back v Back K setraction options None Lamination mode Any
Print front image o Ribbon info and op Ribbon type Monochrome Front K extraction Laminator info and Laminator Top laminate	None Any V
Print front image o Ribbon info and op Ribbon type Monochrome Front K extraction Laminator info and Laminator Top laminate Bottom laminate	I v Test Print I n back side No v Test Print Ions Ribbon combination KFront / K Back v Back K extraction poptons None Any v None
Print front image o Ribbon Info and op Ribbon type Monochrome Extraction Laminator info and Laminator Top laminate Bottom laminate	1 vo 1 vo n back side No Robon combination KFront / K Back extraction options None None
Print front image o Ribbon info and op Ribbon info and op Ribbon type Monochrome Front K extraction Laminator Top laminate Bottom laminate Laminate only	1 vo 1 vo 1 vo 1 vo 1 vo No Rbbon combination KFront / K Back Sack K Sack K Sack K None None

Figure 4-9 - ZXP Series 7 Printer properties

3. On the **Technology** section, select **Magnetic Encoding**.

<u>, z</u>	XP Series 7 Toolbox - Zebra ZXP Series 7 Network Card Printer	- =
		C Refresh ? He
Information ⇒ Printer • Sensors · Media Configuration	Magnetic Encoding Settings □ Disable magnetic encoding ▼ Magnetic encoder verification ON Magnetic encoding type ISO Coercivity High ▼ Track1 Track2 Track3	Printer Status READY
Firmware and Lookup Tables Printer Settings Cleaning	Type ISO Start sentinel % Bit density (bpi) 210 Start sentinel offset (x0.001") 0	
Clean Printer Print Test Card Print Preferences	Character size 7 v End sentinel ?	
Monochrome Optimization Trint Sample Card	Encode/Read Data	
Technology *	Track 2]
Advanced Security Configure Security G Security Roles	Track 3 Read Encode	
Print Viewer 🔶	Restore Defaults Save	

Figure 4-10 - Magnetic Encoding setting

- 4. Under **Settings**, make the following adjustments:
 - Magnetic Encoding type = *Custom*.
 - Track 1 Type = *ISO*.
 - Under Encode/Read data, check **Hex**.

		C Refresh ?
formation 🕱	Magnetic Encoding	Printer Status
Printer	Settings	
Sensors	Disable magnetic encoding	READY
1 Media	Magnetic encoder verification ON	
·	Magnetic encoding type. Custom	
onfiguration 🛠		
Job Log	Coercivity High	
Save/Restore	Track1 Track2 Track3	
Firmware and Lookup Tables	Tura Inc. Statestical	
Printer Settings	Type ISO V Start sentinel	
aning 🎗	Bit density (bpi) 210 V Start sentinel offset (x0.001") 0	
Clean Printer	Character size 7 V End sentinel ?	
at Test Card		
]
Managhrana Optimization	Foode/Read Data	
Print Sample Card		
This Sample Card		
chnology 🗙	Track 1]
Magnetic Encoding	Track 2	1
vanced Security 🔹	Track 3	1
Configure Security		
Security Roles	Read Encode	
ah Viewen		_
	Restore Defaults Save	
) Print PRN File		

Figure 4-11 - Encoding Type Setting

5. Under **Track 2** tab, change the **Type** to *ISO*.

-	Magnetic Encoding	Printer Status
formation 🛠	Settings	Finiter Status
Printer		READY
Sensors		
Media	Magnetic encoder verification ON ID CARD	
nfiguration 🛠	Magnetic encoding type Custom	
Job Log	Coercivity High	
Save/Restore	Track1 Track2 Track3	
Firmware and Lookup Tables		
Printer Settings	Type ISO V Start sentinel :	
aning 🎓	Bit density (bpi) 75 V Start sentinel offset (x0.001") 0	
Clean Printer	Character size 5 V End sentinel ?	
t Test Card 🗙	LRC parity Odd V	
Print Preferences		
Monochrome Optimization	Encode/Read Data	
Print Sample Card	✓ Hex	
hnology 🎗	V Track 1	
Magnetic Encoding	✓ Track 2	
anced Security	☑ Track 3	
Configure Security		
Security Roles	Read	ode
t Viewer 🏾 🛠	Restore Defaults	Save

Figure 4-12 - Track 2 Type setting

- 6. Under **Track 3** tab, change these fields to:
 - Type = *Custom*.
 - Bit Density = 210
 - Character size = 4

y-		C Refresh ? He
formation 🛠	Magnetic Encoding	Printer Status
Printer	Settings	DEADY
Sensors	Disable magnetic encoding	KEAD I
Media	Magnetic encoder verification ON	
onfiguration 😒	Magnetic encoding type Custom	
Johlon	Coercivity High	
Save/Restore		
Firmware and Lookup Tables	Track Track2 Track3	
Printer Settings	Type Custom V Start sentinel	
	Bit density (bpi) 210 Start sentinel offset (x0 001") 6	
eaning 🗙		
Clean Printer	Character size 4 V End sentinel	
nt Test Card 🔶	LRC parity	
Print Preferences		
Monochrome Optimization	Encode/Read Data	
Print Sample Card	✓ Hex	
chnology 🛠	▼ Track 1	
Magnetic Encoding	Track 2	
vanced Security 🛠	Track 3	
Configure Security		
Security Roles	Read Encode	
nt Viewer 🛠	Restore Defaulte Save	
Print PRN File		
,		

Figure 4-13 - Track 3 Type setting

- 7. Click Save.
- 8. On Magnetic encoding values saved successfully prompt, click OK.
- 9. Using the figure below as your reference, make sure the settings are correct, and then click **OK**.

🖶 Zebra ZXP Series 7 Network Card Printer Printing Prefere
Card Setup Encoding Black Panel (K) Optimization About
Card Setup Encoding Magnetic encoding Disable magnetic encoding Encode only Magnetic encoder verification ON Coercivity High Magnetic encoding type CUSTOM Use Hex format to encode tracks
ZXP Toolbox Restore Defaults
OK Cancel Apply Help

Figure 4-14 - Final Magnetic Encoding

5. Management Setup

The following steps describe how to connect the installed Zebra ZXP SERIES 7 printer to the Management module.

5.1. Hardware configuration

1. Copy the **ZMotifPrinter.dll** file to Fidelio Cruise application folder.

Note: The required DLL file ZMotifPrinter.dll is downloadable from Fidelio Cruise FTP: /Fidelio/Fidelio Cruise SPMS/Release730/Hardware Drivers/Zebra/ZXP Series 7.

- 2. Launch Management module, and select Options from the menu bar.
- 3. In the **Options** window, click the **Hardware** tab.
- 4. In the **Report Printers** section, select Cards, and then navigate to **Card Printer combo box** and choose "**Zebra ZXP7**" from the drop-down.

Options						
General Colors	Hardware Video Parameters Document Scanner Support					
Report Printers	Card Reader/Encoder #1 Barcode Reader (RS232 Connection)					
Bands ^	Card Reader Type: Standard Port Number:					
Cash Book Vouchers Certificates Labels Labels Messages Receipts Reports Cashy Errore	Port: v Speed (Bits Per Second): v RFID Type: Data Bits: v Encode Door Lock (Track #3) Key : No v Door Key Options : Encode At Lock v Do not encode Magnetic Stripe Passport Readers If track for and to be the track v					
Visa Forms	Credit Card Reader: (None) Special Special					
Card Printer Eltron Smart Lico Pebble 4 with RFID Pargo HDP5000 Pargo HDP5000 RFID Edvia 2XP7 Zebra 2XP7 RFID Axess AX500 ✓ Adobe PDF Properties	RFID Encoding Port: Image: CEIA Reader Port: Signature Device Use Right Mouse Button Emulation Signotec Omega Image: Signotec Omega Track 1 Start Sentinel : 1/2 Track 2 Start Sentinel : 1/2 Additional Cmd for Pebble Evols when encode track 3: 1/2 1/2 1/2					
	OK Cancel Apply					

Figure 5-1 - Management module Hardware Options

- 5. Click on the Discover Zebra Printer to locate the Zebra ZXP Series 7 printer.
- 6. The application will search the network and display the network printer IP in the **Zebra Device Name** dropdown menu. Choose the printer from the list.
- 7. Select the card coercivity from the Coercivity dropdown list.
- 8. Select Yes for Encode Door Lock (Track #3) Key.

Tips: If the card stripe (back of the card) is blown color then the coercivity is *Low*, and if the card stripe is black color then the coercivity is *High*.

9. Next to Properties, click the drop-down and select the installed printer from the list.

			Option	ns				
General	Colors	Hardware	Video Parame	eters I	Document Scanner	Sup	oport	
Report Printers 0 Bands Cash Book Vouchers Certificates Invoices Key Runner Receipts Label Labels Messages Bereints	^	Card Reader/t Card Reader T Port: RFID Type: Encode Door Lo Door Key Optio	incoder #1 ype: (None ck (Track #3) K ns: Encode ode Magnetic St	e) Zey: Ye At Lock ripe	• • • •	Barcode Port Number Speed (Bits Data Bits: Stop Bits: Passport Re	Reader (RS232) r: Per Second):	
Reports Safety Forms Safetycard		Enable Sou Credit Card Re Special RFID Enco CEIA Read Use Right f	nd for Desko Pe ader: (None ding Port: er Port: Mouse Button Er	nta e) mulation	•	(None) RFID Type: Auto Detect Enable N Signature D (None)	t NyCard ACR38 R evice	eader
Zebra Device Name: 22J131802318, 192. Coercivity: Low Zebra ZXP Series 7 Ne	Discover Zebra Printer 168.30.99:9100 twork Ca Properties	Track 1 Start S Track 2 Start S Additional Cmd	entinel : 🥱 E entinel : ; T for Pebble Evol	ind Sentin irack 3 Sta	el : ? art Sentinel : + ncode track 3:			
						ОК	Cancel	Apply

Click **Apply** to save the settings, and then **OK** to exit.

Figure 5-2 - Management module Coercivity selection

5.2. Crystal Report Setup

- 1. Open the PAX Card report template with Crystal Report.
- 2. Go to the **Details** section.



Figure 5-3 - Crystal Report Setup

3. Add 3 of these formulas in following sequence, then change the font size to 1. sselstring2='[\$sselstring2]'[~]sselstring3='[\$sselstring3]'[~]s selstring4='[\$sselstring4]'



Figure 5-4 - Report Formula

4. Select File, Printer Setup.

On the Print Setup screen, check No Printer, and then click OK to close.

	1 · · · · · · · · · · · · · · · · · · ·	····7 · 日 8	
-			Print Setup
	@Shipsname @Name @Nationality] @pass no @Cruisedate M usterstation @Musterstation taditson Seven Seas Cruises] #1 95-	♥ No Printer Printer Name: Status: Type: Where: Comment:	Zebra ZXP Series 7 Network Card Printer v Properties Ready Zebra ZXP Series 7 Network Card Printer ZXP7001:
6, 6, A		Paper Si <u>z</u> e: <u>S</u> ource:	Letter Orientation Feeder cartridge • Portrat • Landscape Beset to Default OK

Figure 5-5 – Report Printer setup

- 5. Save the report template, and then upload into the **Administration** module.
- 6. Under **Report Setup**, add these 3 formulas to Formula section.

```
sselstring2='[$sselstring2]'[~]sselstring3='[$sselstring3]'[~]
sselstring4='[$sselstring4]'
```

le .	User Customiza	bie Report Setup
Current Reports List	Default Standard	Direct Printing Properties
GiftCard Receipts	Upload N	iew Report (Load Variables From the Report Export to Crystal Upload Report
Itinerary	Reports can be Imported, and Ex	xported from the database. Reports exported by the system, are embed with the Selection Parameters into the
Label	Customs properties of the report	t. When Importing them, dick the option above to automatically insert those stored variables into the database.
Log		
Medical Letters	Report IDr	Report Details
₹_Message	Report Ele Namer	Paxcalui
Craw ID	Report Tiles	Paranana Card No Photo
Crew ID with Picture	Report litte:	Passenger Card - No Photo
Safety ID	Report Access:	31
Group ID Card	Report Sort:	3134
Passenger Card - No Photo	Report Group:	_Onboard Cards
Staff ID	Report Comments:	supposed to be with a guest's photo
Staff ID with Pic		
Visitor Card		Print Default
Manager Card	Printer Type:	Cards
	Number of Copies:	1
Passenger Amenity Gift Card	Orientation:	Landscape
Visitor ID Card with Photo		
Resenger Invoice Turbo Balance		
Passenger Invoices	Database SQL	SELECT "RES CCS", "RES CAB", "RES", "RES BOARDCC", "PAX", "PAX FSTN", "PAX", "PAX NAME",
Payroll		"CAB". "CAB_STATION", "RES". "RES_CAB", "RES". "RES_MANIFESTNOAUTO", "RES". "RES_AGENTID",
Resonine Alert		RES. RES_AGENTRERED , PAX. PAX_CONT_STREET , TTP_DER . TTP_COMMENT ,
Safety Forms Crew		
Safety Forms Crew with Pic	Crystal Selection Formula:	{RES.RES_ACC}=[\$sAccountID]
Special Reports		
TrackIt		
Visa Forms Crew	Formulas:	sselstring2='[\$sselstring2]'[~]sselstring3='[\$sselstring3]'[~]sselstring4='[\$sselstring4]'
Visa Forms Crew with Pic		
Visa Forms Pax with Pic		
VtoOTD Forms		
VtoOTD Forms with Pic	·	
	+	

Figure 5-6 - Customized Report Formula

7. Save the report template.

6. **RFID Handling**

The Zebra ZXP SERIES 7 comes with a built in inlay antenna that supports UHF RFID frequency bands (860-960 MHz). An SDK Installation and Omnikey Driver is required prior to using the RFID feature.

6.1. SDK Installation

- 1. Run ZXP SERIES 7SDK ZMotifSDKs_64_v3_0_4.msi as Administrator.
- 2. On the Welcome screen, click **Next.**

岁 ZMotifSDKs_64	- 🗆 🗙
Welcome to the ZMotifSDKs_64 Setup Wizard	Zebra
The installer will guide you through the steps required to install ZMotifSDKs_64 i	on your computer.
WARNING: This computer program is protected by copyright law and internation Unauthorized duplication or distribution of this program, or any portion of it, may or criminal penalties, and will be prosecuted to the maximum extent possible unc	nal treaties. result in severe civil ler the law.
Cancel < Back	Next >

Figure 6-1 - SDK Setup

- 3. On the License Agreement screen, select 'I Agree', and then click Next.
- 4. On the Select Installation Folder screen, select to install the SDK for **'Everyone'**, and then click **Next** to accept the default installation folder.



Figure 6-2 - SDK Default Installation folder.

- 5. On the Confirm Installation screen, click **Next** to proceed.
- 6. On the Installation Complete screen, click **Close** to exit.

붱	ZMotifSDKs_64	- 🗆 🗙
Installation Complete		Zebra
ZMotifSDKs_64 has been successful Click "Close" to exit.	ly installed.	
Please use Windows Update to chec	k for any critical updates to the .NET Fram	ework.
	Cancel < Back	Close

Figure 6-3 - SDK Installation Complete

7. Upon successful installation, the program is shown in **Control Panel**, **Programs and Features** screen.

Zebra ZXP Series 7 Card Printer	Zebra	26/6/2015	2.00.27	
MotifSDKs_64	Zebra Technologies	26/6/2015	12.7 MB 3.0.4	
ZXP Series 7 Toolbox	Zebra	26/6/2015	2.00.27	

Figure 6-4 - SDK Program in Control Panel

6.2. Omnikey Driver Installation

- 1. Disconnect ZXP SERIES 7 USB printer cable from the computer.
- 2. Unzip the Omnikey_5x2x_unattended_w7_x64_r1_2_26_140_0.zip to a Temp folder.

Name	Date modified	Туре	Size
HID_OMNIKEY5x2x_x64_W7_R1_2_26_140.exe	13/8/2014 2:44 PM	Application	2,962 KB
🔀 HID_OMNIKEY5x2x_x64_W7_R1_2_26_140.msi	13/8/2014 2:44 PM	Windows Installer	4,475 KB
MNIKEY_5x2x_Driver_EULA.rtf	5/8/2014 2:13 PM	Rich Text Format	56 KB

Figure 6-5 - OMNIKEY setup file

Note: For PC operating on Windows 8 OS, change the compatibility mode to Windows 7 before installing.

3. Right-click and select **Run as Administrator** on

HID_Omnikey_5x2>	_unattended_w7_x64_r1_2_26_140_	0.exe to install.
HID OMNIKEY 5x21, 5x	25, 6321,4121 PC/SC Driver - InstallShield Wizard	
	Preparing to Install	
	HID OMNIKEY 5x21, 5x25, 6321,4121 PC/SC Driver Setup is preparing the InstallShield Wizard, which will guide you through the program setup process. Please wait.	
	Decompressing: HID_OMNIKEY5x2x_x64_W7_R1_2_26_140.msi	
	Cancel	

Figure 6-6 - Omnikey Installation

- 4. On the License Agreement screen, select **I accept the terms in the license agreement**, and then click **Next**.
- 5. Click **Install** to begin the installation.
- 6. Setup Status screen is shown, displaying the progress of the driver installation.
- 7. Once the installation is complete, click **Finish** to exit the wizard.
- 8. Reconnect the ZXP SERIES 7 USB printer cable to the computer.
- 9. Configure the Hardware in **Management module**, **Options**, **Hardware**. Refer to *Hardware configuration* for instructions.

6.3. Management Setup

1. For *RFID* printing, repeat the process in *Chapter 5.1 - Hardware configuration*.

Note: In point 5.1.4, choose **"Zebra ZXP7 RFID"** printer from the drop-down instead of Zebra ZXP7.

- 2. Ensure the following fields are correctly set:
 - Encode Door Lock (Track #3) = Yes
 - Omnikey CardMan 5x21-CL 0 is link.

				options			
General	Colors	Hardwar	e Vide	o Parameters	Document Scanner	Support	
Report Printers		Card R	eader/Encoder	r #1		Barcode Reader (RS:	232 Connection) —
)		A Card Re	ader Type:	(None)	•	Port Number:	7
ands		Port:			*	Speed (Bits Per Second):	-
ash Book Vouchers		RFID T	pe:	·		Data Bits:	
voices					×.		
ey Runner Receipts abel		Encode	Door Lock (Tra	ack #3) Key : [Yes 👻		
abels		Door Ke	y Options :	Encode At Loci		Stop Bits:	<u> </u>
essages eceipts		Do r	not encode Ma	gnetic Stripe		Passport Readers	
eports		🔽 Ena	ole Sound for I	Desko Penta		(None)	-
afetycard		Y Credit C	ard Reader:	(None)	•	RFID Type:	
		- Special		State of a	_	Auto Detect	*
		E RFI	D Encoding Po	rt:	-	Enable MyCard ACR3	18 Reader
Card Printer			A Reader Port		-	Signature Device	
ebra ZXP / RFID			Right Mouse F	Button Emulatio		(None)	-
MNIKEY CardMan 5x21-Cl	.0						
bra Device Name: Disco	ver Zebra Print	er Track 1	Start Sentinel	: 1% End Ser	itinel : ?		
23131802318, 192.168.3	0.99:9100	 Track 2 	Start Sentinel	: ; Track 3	Start Sentinel : +		
ercivity: High	-	Addition	al Cmd for Pet	ble Evolis when	n encode track 3:		
ebra ZXP Series 7 Network	Ca 🔻 Proper	ties					
							1

Figure 6-7 - RFID Setup