

**Zebra<sup>®</sup>**

**Zebra ZPL & CPCL Printer Driver for OPOS  
Application Programmer's Guide**



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## About This Document

Who Should Use This Document

## Who Should Use This Document

The Application Programmer's Guide is targeted to an application developer who requires access to POS-specific peripheral devices.

## OPOS Web sites

Refer to the following Web sites for OPOS information:

- Reference implementation – Common Control Objects:  
<http://monroecs.com/opos.htm>
- NRF-ARTS Standards Body:  
<http://www.nrf-arts.org>

## Contacts

You can contact Zebra Technologies at the following:

### Web Site

<http://www.zebra.com>

Technical Support via the Internet is available 24 hours per day, 365 days per year. Go to <http://www.zebra.com/support>.

### The Americas

Regional Headquarters	Technical Support	Customer Service Dept.
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## Document Conventions

The following conventions are used throughout this document to convey certain information.

**Alternate Color** (online only) Cross-references contain hot links to other sections in this guide. If you are viewing this guide online in .pdf format, you can click the cross-reference ([blue text](#)) to jump directly to its location.

**Command Line Examples** Command line examples appear in `CourierNew` font. For example, type `ZTools` to get to the Post-Install scripts in the `bindirectory`.

**Files and Directories** File names and directories appear in `Courier New` font. For example, the `Zebra<version number>.tar` file and the `/root` directory.

### Icons Used



**Important** • Advises you of information that is essential to complete a task.



**Note** • Indicates neutral or positive information that emphasizes or supplements important points of the main text.



**Example** • Provides an example, often a scenario, to better clarify a section of text.

# OPOS Information



## OLE for Retail POS Controls

The goal of this document is to provide an overview and programming guide for the Zebra ZPL & CPCL OPOS driver implementation.

For full reference of OLE for Retail POS please download the full manual at

<http://www.nrf-arts.org/UnifiedPOS/UnifiedPOS%20Specification%20v1.11.zip>.

## How an Application Uses an OPOS Control

The first action the application must take on the Control is to call its **Open** method. The parameter of this method selects a device name to associate with the Control. The **Open** method performs the following steps:

- Establishes a link to the device name that in our case is the Windows printer driver name.
- Initializes the properties **OpenResult**, **Claimed**, **DeviceEnabled**, **DataEventEnabled**, **FreezeEvents**, **AutoDisable**, **DataCount**, and **BinaryConversion**, as well as descriptions and version numbers of the OPOS Control layers. Additional class-specific properties may also be initialized.

Several applications may have an OPOS Control open at the same time. Therefore, after the device is opened, the application will need to call the **ClaimDevice** method to gain exclusive access to the device. The device must be claimed before the Control allows access to its methods and properties. Claiming the device ensures that other applications do not interfere with the use of the device. The application may call the **ReleaseDevice** method when the device can be shared by other applications – for instance, at the end of a transaction.

## OPOS Information

### Device Power Reporting Model

Before using the device, the application must set the **DeviceEnabled** property to TRUE. This value brings the device to an operational state, while FALSE disables the device.

After the application has finished using the device, the **DeviceEnabled** property should be set to FALSE, then the **ReleaseDevice** method and finally the **Close** method should be called to release the device and associated resources. Before exiting, an application should close all open OPOS Controls.

In summary, the application follows this general sequence:

- **Open** method: Call to link the Control Object to the Service Object.
- **ClaimDevice** method: Call to gain exclusive access to the device. Required for exclusive-use devices; optional for some sharable devices.
- **DeviceEnabled** property: Set to TRUE to make the device operational.
- Use the device.
- **DeviceEnabled** property: Set to FALSE to disable the device.
- **ReleaseDevice** method: Call to release exclusive access to the device.
- **Close** method: Call to release the Service Object from the Control Object.



# **Zebra ZPL & CPCL Printer Driver for OPOS**



**Specifications Supported**

- UPOS specification supported: v1.11
- ActiveX supported
- .net framework supported: 1.1

**List of printers supported**

<b><u>Printer name</u></b>	<b><u>Maximum Print Width (in mm)</u></b>
MZ 220	48
MZ 320	73
QL220 Plus	48
QL320 Plus	73
QL420 Plus	103
RW220	56
RW420	104
105SL 203dpi	104
105SL 300dpi	104
110PAX4 203dpi	104
110PAX4 300dpi	104
110XIIIPlus 203dpi	104
110XIIIPlus 300dpi	104
110XIIIPlus 600dpi	81
140XIIIPlus	128
170PAX4 203dpi	168
170PAX4 300dpi	168
170XIIIPlus 300dpi	168
170XIIIPlus 203dpi	168
220XIIIPlus 203dpi	216
220XIIIPlus 300dpi	216
LP2824-Z	56
LP2824 Plus (ZPL)	56
LP2844-Z	101
S4M 203dpi	104
S4M 300dpi	104
TLP2824-Z 203dpi	56
TLP2824 Plus (ZPL)	56
TLP2844-Z 203dpi	104
TLP3844-Z 300dpi	104
ZM400 203dpi	104
ZM400 300dpi	104
ZM400 600dpi	81
ZM600 203dpi	168
ZM600 300dpi	168
GK420d	104
GK420t	104
GX420d	104
GX420t	104
KR403	82.5

**Barcode Support**

Barcode Symbology	Supported in ZPL	Supported in CPCL
Codabar	Yes	Yes
Code 128	Yes	Yes
Code 128 Parse	Yes	Yes
Code 39	Yes	Yes
Code 93	Yes	Yes
EAN 128	Yes	Yes
EAN 13S	Yes	Yes
EAN 8S	Yes	Yes
EANJan 13	Yes	Yes
EANJan 8	Yes	Yes
Itf	Yes	Yes
Maxicode	Yes	Yes
PDF417	Yes	Yes
RSS14	Yes	Yes
RSSExpanded	Yes	Yes
TF	Yes	No
UPC-A	Yes	Yes
UPC-AS	Yes	Yes
UPC-D	Yes	No
UPC-D2	Yes	Yes
UPC-D3	Yes	No
UPC-D4	Yes	No
UPC-D5	Yes	Yes
OCR-A	Yes	Yes
OCR-B	No	No
UPC-E	Yes	Yes
UPC-ES	Yes	Yes

**Note:**

The following Barcodes have no center and right alignments and the driver will return E\_ILLEGAL when used with PTR\_BC\_CENTER or PTR\_BC\_RIGHT.

CODE128Parsed  
EAN128  
MAXICODE  
PDF417  
RSS  
RSSEXPANDED  
UPCAS  
OCRA  
UPCES

**Supported Fonts**

Property	ZPL	CPCL
FontTypefaceList	D,F,A,	7,0,

**ZPL Fonts**

Font Typeface (value for the '#' of ESC fT)	Font Name	Font Size (h x w)	Line Height	Inter-Character Gap (dots)	Total Width (dots)
0	D	18 x 10	24	2	12
1	F	26 x 13	30	3	16
2	A	9 x 5	12	1	6

**Font D**

Font D will be the default font. If nothing is specified in the print command this font will be used. The spacing between lines shall be 24 dots. Counting the inter-character gap of 2 dots the characters are 12 dots wide. In calculating the number of characters that can be placed on an 832 dot line the result is 69 characters.

Example command:

```
PrintNormal "123456789ABCDEFGHIJKLMNOPQRSTUVWXYZ678901234567890123456789"
PrintNormal " 0987654321abcdefghijklmnopqrstuvwxyz6543210987654321098765432"
PrintNormal "12345678901234567890123456789012345678901234567890123456789"
PrintNormal " 09876543210987654321098765432109876543210987654321098765432"
```

Printed Image:

```
1234567890ABCDEFGHIJKLMN0PQRSTUVWXYZ789012345678901234567890123456789
0987654321abcdefghijklmnopqrstuvwxyz432109876543210987654321098765432
123456789012345678901234567890123456789012345678901234567890123456789
098765432109876543210987654321098765432109876543210987654321098765432
```

## Zebra ZPL & CPCL Printer Driver for OPOS

### ZPL Fonts

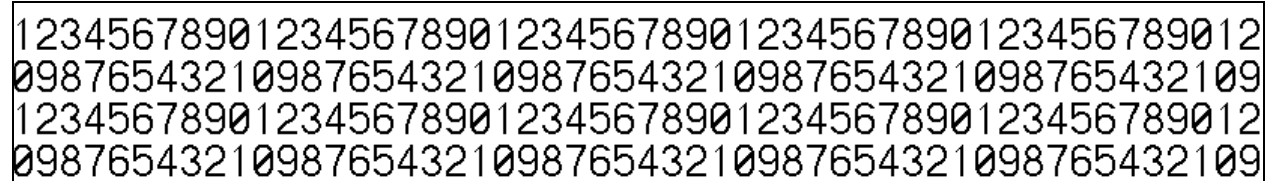
#### Font F

The spacing between lines shall be 28 dots. Counting the inter-character gap of 3 dots the characters are 16 dots wide. In calculating the number of characters that can be placed on an 832 dot line the result is 52 characters.

Example command:

```
PrintNormal "ESC|1fT1234567890123456789012345678901234567890123456789012"
PrintNormal "ESC|1fT0987654321098765432109876543210987654321098765432109"
PrintNormal "ESC|1fT1234567890123456789012345678901234567890123456789012"
PrintNormal "ESC|1fT0987654321098765432109876543210987654321098765432109"
```

Printed Image:



1234567890123456789012345678901234567890123456789012  
0987654321098765432109876543210987654321098765432109  
1234567890123456789012345678901234567890123456789012  
0987654321098765432109876543210987654321098765432109

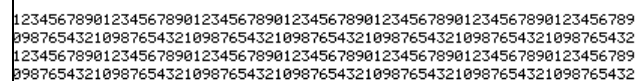
#### Font A

The spacing between lines shall be 12 dots. Counting the inter-character gap of 1 dots the characters are 6 dots wide. In calculating the number of characters that can be placed on an 832 dot line the result is 138 characters.

Example command:

```
PrintNormal "ESC|2fT1234567890123456789012345678901234567890123456789"
PrintNormal "ESC|2fT 09876543210987654321098765432109876543210987654321098765432"
PrintNormal "ESC|2fT1234567890123456789012345678901234567890123456789"
PrintNormal "ESC|2fT 09876543210987654321098765432109876543210987654321098765432"
```

Printed Image:



12345678901234567890123456789012345678901234567890123456789  
09876543210987654321098765432109876543210987654321098765432  
12345678901234567890123456789012345678901234567890123456789  
09876543210987654321098765432109876543210987654321098765432

## ZPL Fonts

Font Typeface (value for the '#' of ESC #fT)	Font Name	Font Size	Line Height (dots)	Character width (dots)
0	7	0 (24 x 12)	24	12
1	0	3 (18 x 16)	18	16

The Font for typespace 0 will be CPCL font 7. If nothing is specified in the print command this font will be used. The spacing between lines shall be 24 dots. Counting the inter-character gap of 2 dots the characters are 10 dots wide. In calculating the number of characters that can be placed on an 832 dot line the result is 69 characters.

```
PrintNormal "0987654321abcdefghijklmnopqrstuvwxyz6543210987654321098765432109876"
PrintNormal "123456789012345678901234567890123456789012345678901234567"
PrintNormal "098765432109876543210987654321098765432109876543210987654"
```

1234567890ABCDEFGHIJKLMN0PQRSTUVWXYZ789012345678901234567890123456789  
0987654321abcdefghijklmnopqrstuvwxyz432109876543210987654321098765432  
123456789012345678901234567890123456789012345678901234567890123456789  
098765432109876543210987654321098765432109876543210987654321098765432

The spacing between lines shall be 28 dots. Counting the inter-character gap of 2 dots the characters are 14 dots wide. In calculating the number of characters that can be placed on an 832 dot line the result is 52 characters.

```
PrintNormal "ESC|f1234567890123456789012345678901234567890123456789012"
PrintNormal "ESC|fT0987654321098765432109876543210987654321098765432109"
PrintNormal "ESC|fT1234567890123456789012345678901234567890123456789012"
PrintNormal "ESC|fT0987654321098765432109876543210987654321098765432109"
```

123456789012345678901234567890123456789012345678901234567890123456789  
098765432109876543210987654321098765432109876543210987654321098765432  
123456789012345678901234567890123456789012345678901234567890123456789  
098765432109876543210987654321098765432109876543210987654321098765432

## Additional Font handling

In order to provide customers with the ability to add fonts to the printer and then use those in the OPOS driver the Device Manager UI has the following functionality.

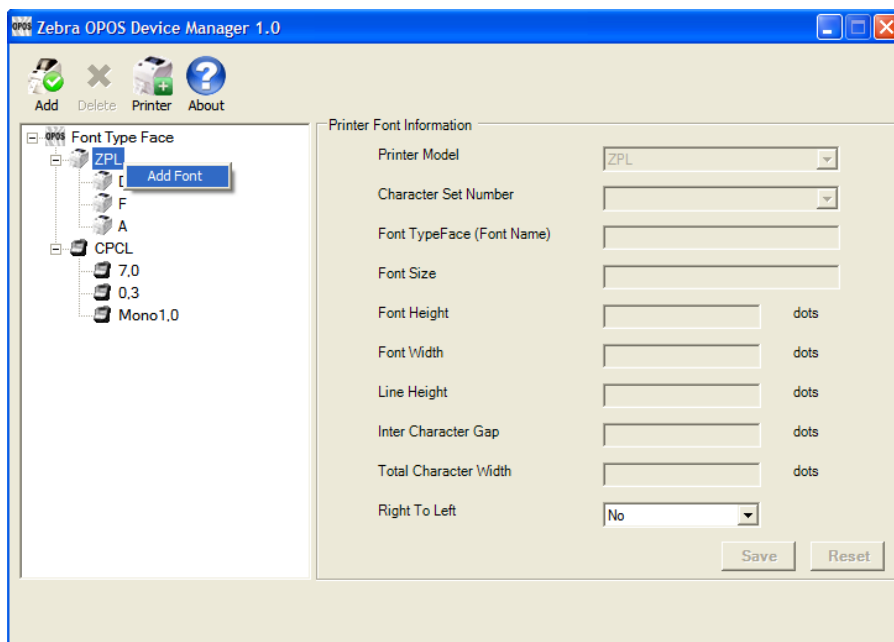
**NOTE:** Zebra offers two pre-converted fonts for use with ZPL- based printers. These are a monospaced font called “Mono1” and a scalable font called “Swiss721”. Please contact your Zebra Reseller to obtain these fonts.

**NOTE:** Zebra offers a pre-converted fonts for use with CPCL- based printers. This is a monospaced font called “Mono1”. Please contact your Zebra Reseller to obtain this font. As a convenience, “Mono1” is predefined as an Additional Font for the CPCL printer models.

### Adding a New Font in Device Manager

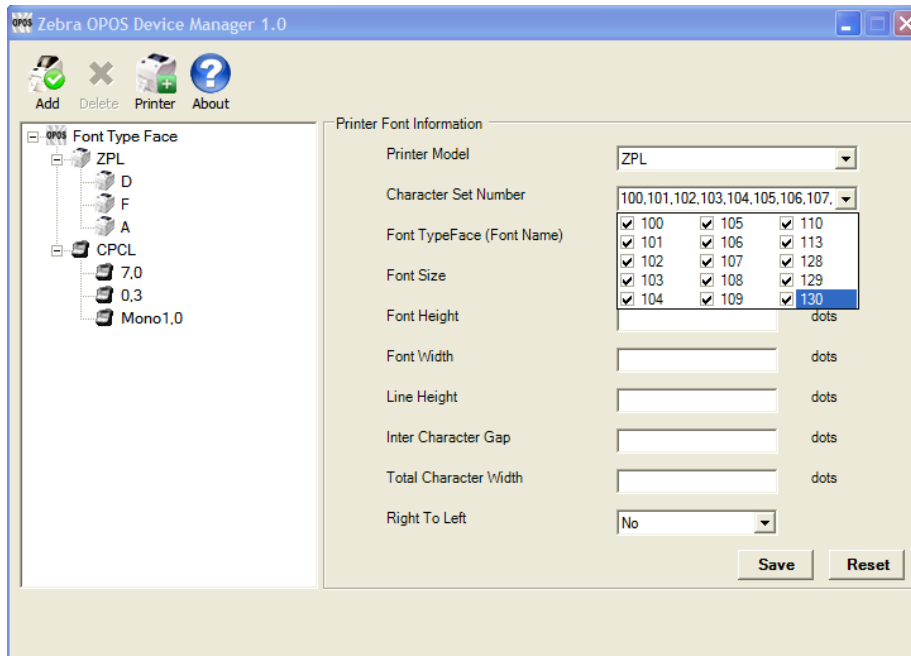
The following example demonstrates how to add the ”Swiss721” font to a ZPL printer.

1. Open the Device Manager Application and click the Font button
2. Right-click ZPL and click Add Font. Fonts D, F and A will be listed under ZPL.

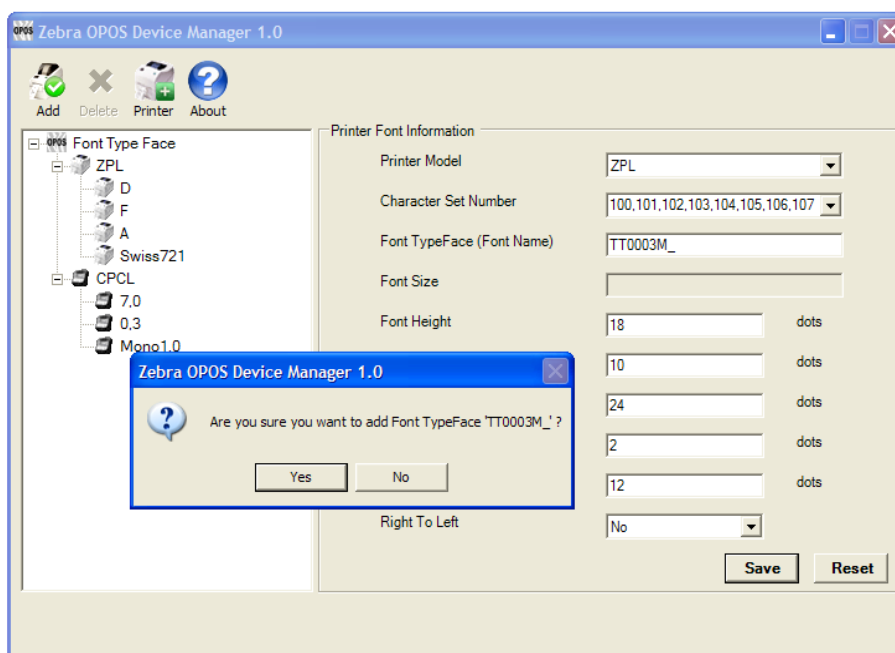




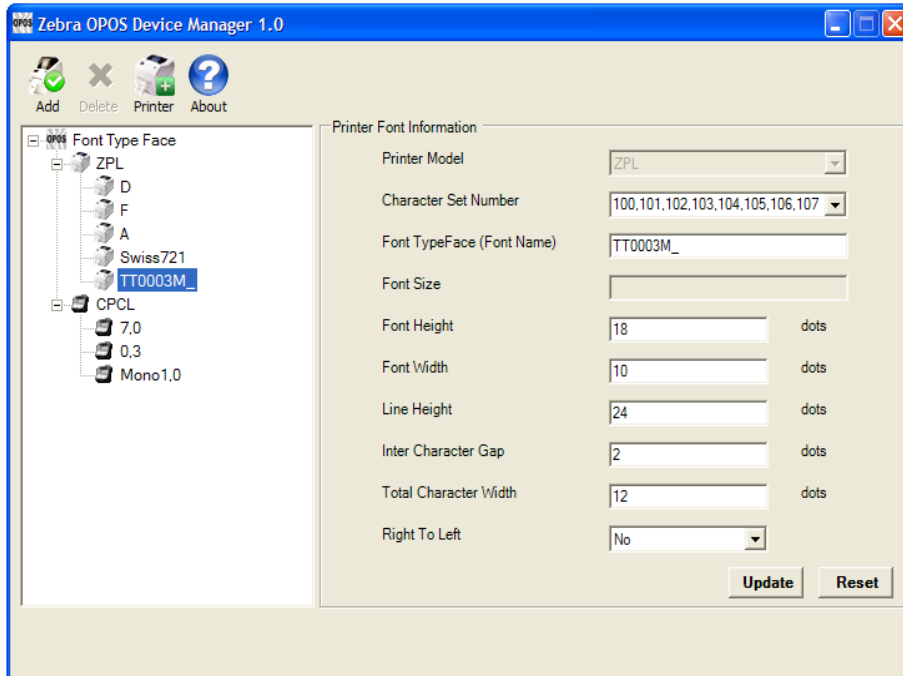
3. Select Character Set drop-down, verify selectable character sets (100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 113, 128, 129, 130) and select the character sets by clicking the corresponding boxes.



4. Enter Font Name, Enter Font Height and Width (in dots). If adding “Swiss721” use the name “TT0003M\_”. If adding the “Mono1” font, use the name “Mono1”.
5. Enter Line Height and Inter Character Gap (in dots), Enter Total Character Width and select if your Font supports “Right to Left”.
6. Click the Save button to save the Font (The user will be presented with a dialog box to confirm the adding of the font).



7. The new font should now be listed.

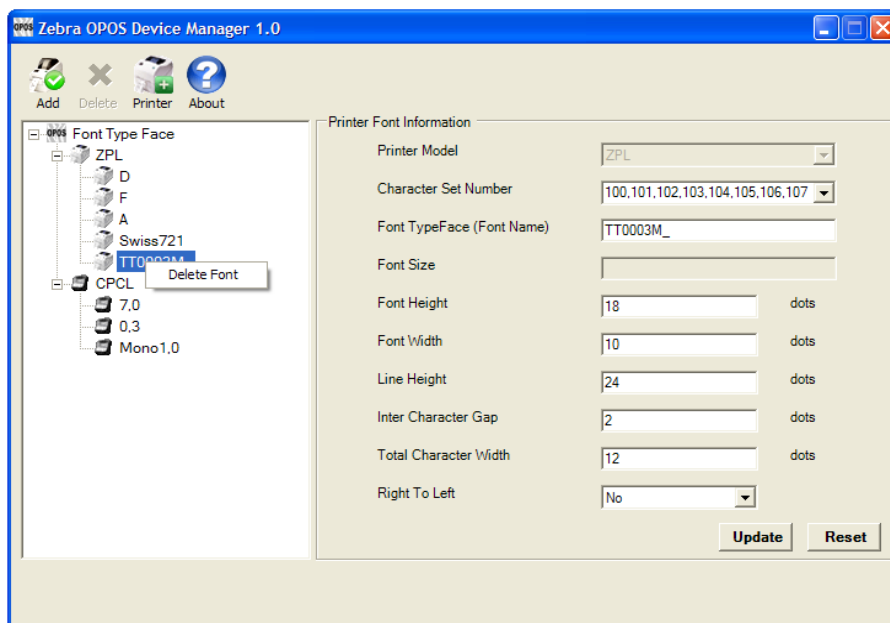


**NOTE:** When using One Shot ESC commands, the index entry for the font will be assigned by the Device Manager to the next available font slot.

**NOTE:** 0, 1, 2 are built-in ZPL fonts and any new font will be assigned a following number, e.g. 3 for “Mono1” if it was loaded before “TT0003M\_” and 4 for “TT0003M\_” if this font was loaded after “Mono1”.

8. In order to assign multiple fonts, repeat the above procedure for every font you want to add.

9. To delete a font from the list, simply right-click the Font you wish to delete and select “Delete Font” (The user will be presented with a dialog box to confirm the deletion of the font).

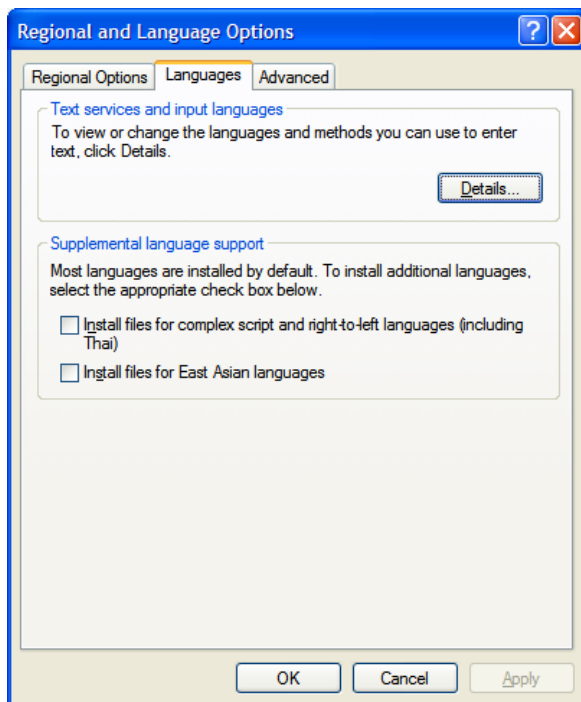


## Preparing Windows® and Printer for Unicode Printing

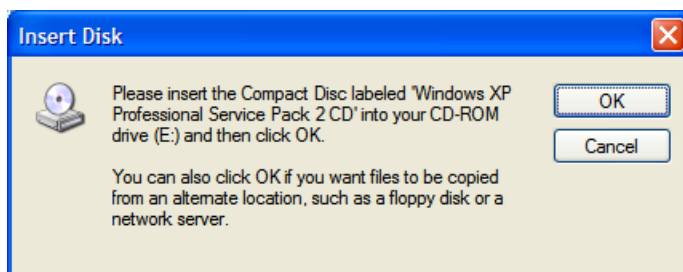
In order to print in other languages it is necessary to load a new font into the printer and control the font within the OPOS driver. The previous section covered the steps of adding a new font in Device Manager. Before attempting to print, be sure that the new font is already loaded in the printer in the E: directory.

**NOTE:** to add language support to the PC may require Administrative rights. If you do not have Administrative rights, you may need to seek assistance from your IT organization.

1. Navigate to the Control Panel and click on “Regional and Language Options”
2. Click the Languages tab and check both boxes under “Supplemental language support”



3. Windows may ask for the XP CD for the files. If you do not have the CD, it will be necessary to obtain it from your IT Administrator.



4. The installation will take a few minutes and a reboot will be required.
5. Once the system has rebooted, navigate to the Control Panel and open “Regional and Language Options”
6. Click the language tab and click the “Details...” button under “Text services and input languages”

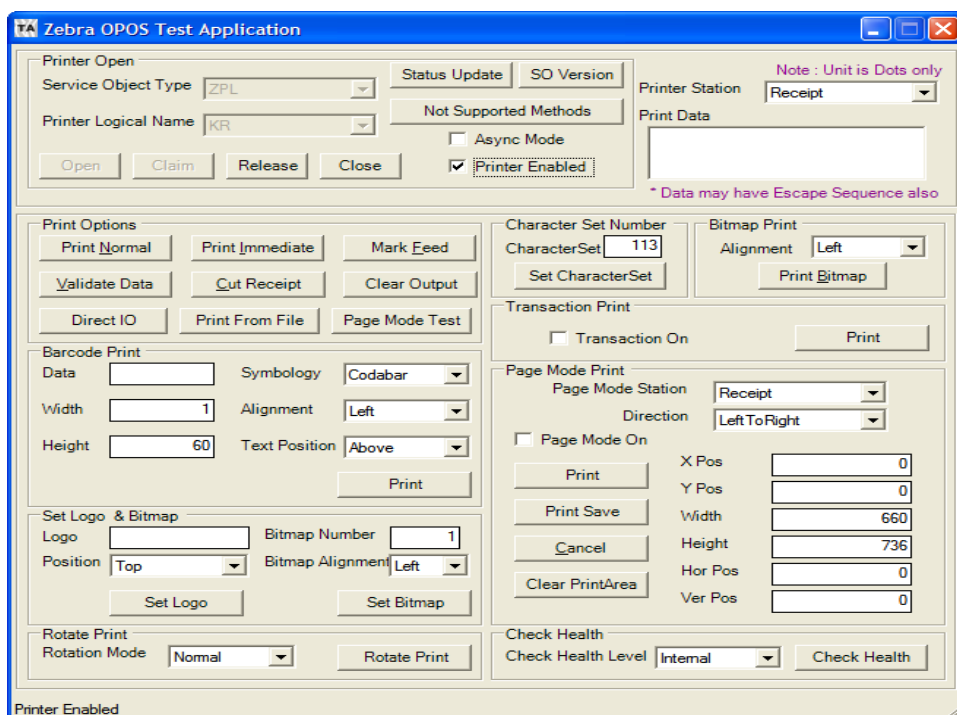
7. Under “Installed services” click the Add button, select Arabic from the drop-down list and click OK



## Printing Unicode with the Test Application

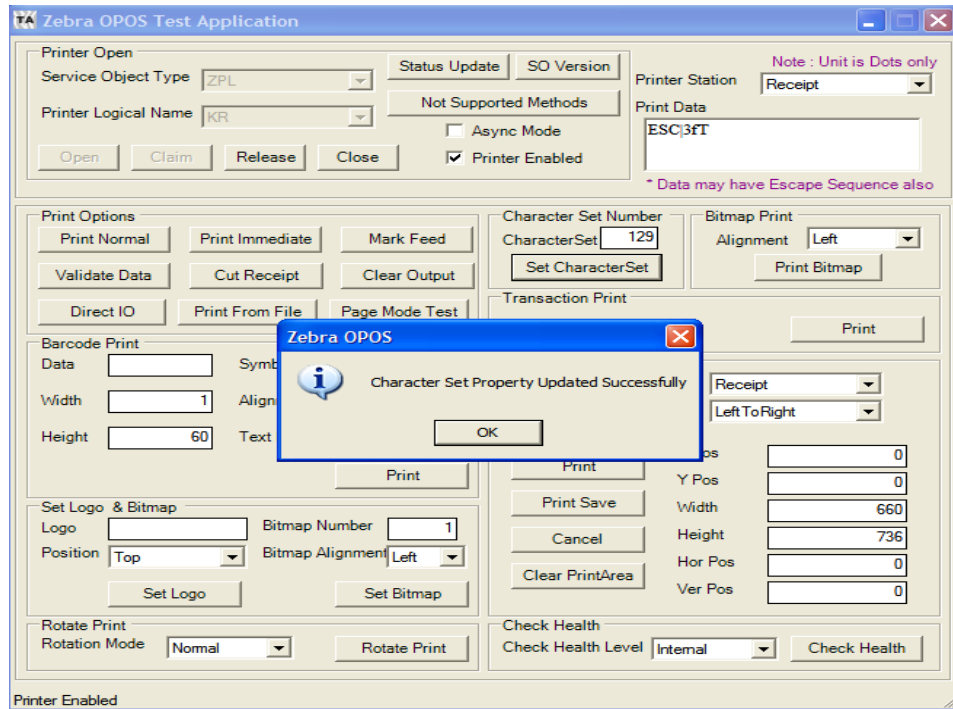
Before printing with the test application, please make sure that the font has been loaded in the printer and also added in Device manager.

1. Open the Zebra OPOS Test Application, select the Service Object Type (ZPL or CPCL) and then the Printer Logical Name.
2. Click Open, Claim and check the Printer Enabled box.



3. Select the new font by sending the correct OPOS one-shot command (example ESC|3fT). Type the one-shot command in the Print Data field and click the Print Normal button.

4. Change the Character Set value (Default is 113) by entering the correct Character Set value in the Character Set Number box and then click the Set CharacterSet button below. The user will get a message showing that the Character Set was updated.



## Programming tips for using additional ZPL fonts

In order to print in other languages it is necessary to load a new font Swiss721 into the printer and control it within the OPOS driver. In the previous section we defined a new font for use in the printer.

An OPOS application developer has to select the proper font encoding by selecting the new codepage as described in the font definition.

In order to enable locale setting we can check the currently selected language support in the OS and select the OPOS CharacterSet value according to the following selection:

Zebra ^CI values	OPOS CharacterSet value
0 = Single Byte Encoding - U.S.A. 1 Character Set	100
1 = Single Byte Encoding - U.S.A. 2 Character Set	101
2 = Single Byte Encoding - U.K. Character Set	102
3 = Single Byte Encoding - Holland Character Set	103
4 = Single Byte Encoding - Denmark/Norway Character Set	104
5 = Single Byte Encoding - Sweden/Finland Character Set	105
6 = Single Byte Encoding - Germany Character Set	106
7 = Single Byte Encoding - France 1 Character Set	107
8 = Single Byte Encoding - France 2 Character Set	108
9 = Single Byte Encoding - Italy Character Set	109
10 = Single Byte Encoding - Spain	110
13 = Zebra Code Page 850	113 (default)
28 = Unicode (UTF-8 encoding) - Unicode Character Set	128
29 = Unicode (UTF-16 Big-Endian encoding) - Unicode Character Set	129
30 = Unicode (UTF-16 Little-Endian encoding) - Unicode Character Set	130

**Note:** If printing with a new font and character set shall occur, the following steps need to be taken.

If we wish to use Arabic font (With font index **3**), we need to follow the steps mentioned below,

1. Send the ESC|3fT. In case of first time, this will append the CharacterSetNumber value (128,129,130) assigned for the Arabic Font with the default CharacterSetList property (100,101,102,103,104,105,106,107,108,109,110,113).

This will throw an exception as "**Selected Font doesn't support character set**". So we need to add appropriate character set number within 128,129,130.

2. Assign the CharacterSet Number within the CharacterSetNumber value (128,129,130) assigned for the Arabic Font.
3. Now, the Service Object will change the CharacterSet Number to the specified number and then use it for further printing.



## Use of OPOS Character properties

The **CharacterSetList** property will display all of the above ASCII numeric set numbers associated with the currently loaded fonts. The default is “100,101,102,103,104,105,106,107,108,109,110,113”.

If a new font is added the new character set values will be added to the **CharacterSetList** so an application can choose the new values for the respective fonts.

The **CharacterSet** property will initialize with 113 on “open”.

The **CapMapCharacterSet** property will be initialized with **FALSE** on “open”.

**Note:** The above setting has the effect that the **MapCharacterSet** property will also always show **FALSE** regardless of what the user sets it to. If **MapCharacterSet** is set to TRUE show an **E\_ILLEGAL** error.

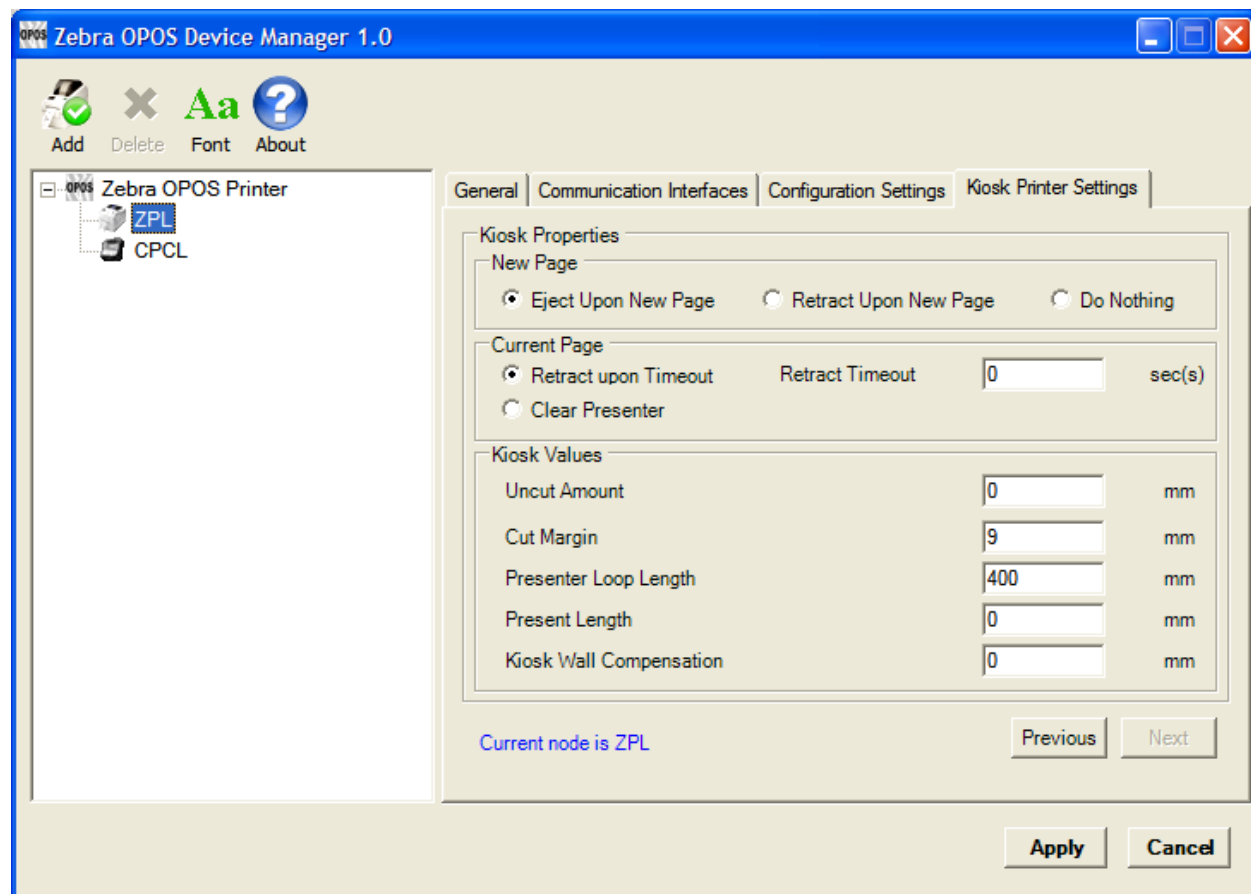
The **CapCharacterSet** property will initialize with **DISP\_CCS\_ASCII** on “open”. This property will change with a different selection of the CharacterSet property.

CapCharacterSet	CharacterSet
DISP_CCS_ASCII	100-110, 113
DISP_CCS_UNICODE	128,129,130

**Note:** Error handling - If a specific character set value is selected with the CharacterSet property and a font is selected that can’t support the character set an error **E\_ILLEGAL** will be thrown.

**Note: OPOS Properties** - The driver is not supporting Mapping of fonts. The application has to take care of the mapping of the proper fonts. **CapMapCharacterSet** is always FALSE which will also cause MapCharacterSet to be always FALSE. If **MapCharacterSet** is set to TRUE an error **E\_ILLEGAL** will be caused.

## KR403 Specific User Interface



### Kiosk Printer Settings

The Kiosk Printer Settings tab will appear only after selecting to add KR403 as a Printer Model under the General tab. The following information will assist configuring Kiosk properties.

#### Kiosk Properties

##### New Page:

There are three settings selectable when a new page is printed; Eject Upon New Page, Retract Upon New Page and Do Nothing. These settings instruct the printer to change the presenter function mode.

Eject Upon New Page - Ejects the current page while the new page is printed.

Retract Upon New Page - Retracts current page while the new page is printed.

Do Nothing - The current page still remains in the printer neither ejects nor retracts.

##### Current Page:

Retract upon Timeout – If a label is not taken you can define a timeout value when expired will retract the current page. Retract timeout can be defined from 0 – 300 seconds.

Clear Presenter - Will eject the current page before printing a new page.

**Kiosk Values:**

Uncut Amount – When a partial cut is made by the printer the media left uncut can be defined from 10 to 60mm.

Cut Margin - This setting determines the margin between the cutter and the printhead. It is defined from 2 to 9mm. The default is 9mm.

Presenter Loop Length – Determines the length of the presenter loop. It is defined from 3 to 1023mm. The default gives a loop of approximately 400mm.

With this feature, we build a loop with the imaged receipt and keep the printout in the printer to prevent the kiosk user from taking the receipt while it is still being imaged. When the full receipt is imaged, we cut the receipt and present a portion of the receipt to the user for them to take. This reduces jamming and print image distortion of the receipt.

Present Length – Determines the amount of media to eject the page through the presenter module. When the customer takes the receipt, the printer detects a movement and issues the rest of the receipt at 300 mm/s to help ensure receipt is removed undamaged. Value range from 0 to 255mm.

Kiosk Wall Compensation – Adds an additional amount to how far the paper is ejected during a present cycle. A standard amount of 50mm is always added to clear the Kiosk wall. This amount is added to the 50mm. The additional media to eject has a value from 0 to 255mm.

## Details for Variable continuous mode vs. Non-Continuous mode

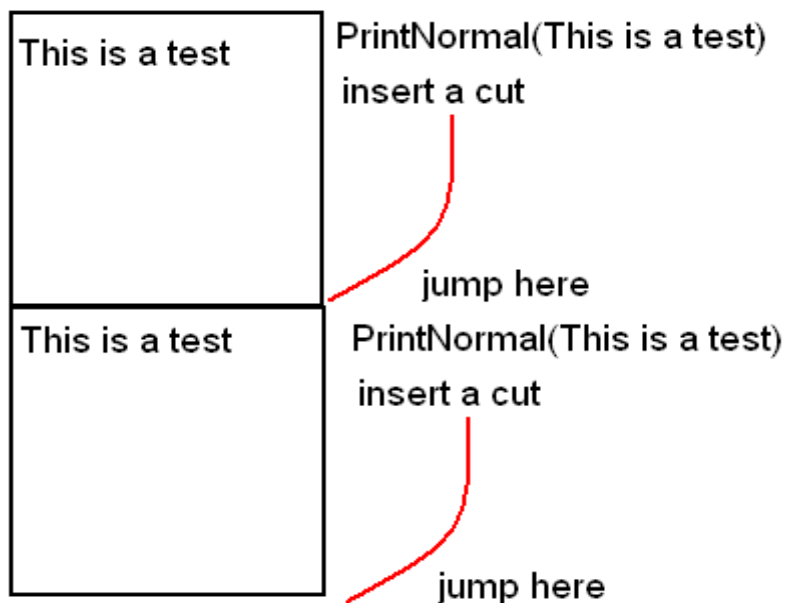
The KR403 printer has two continuous modes to offer. The variable continuous mode is in some way different from the continuous mode. It can print on pages without length limitation except for the minimum length setting of 70 mm (this is the presenter length).

Variable continuous mode will print on continuous paper expecting a minimum length of 70 mm but will then continue printing without page boundaries until a cut command is issued.

Continuous mode expects a defined page length and will print on continuous paper filling always the set page length and then skip to the next page.

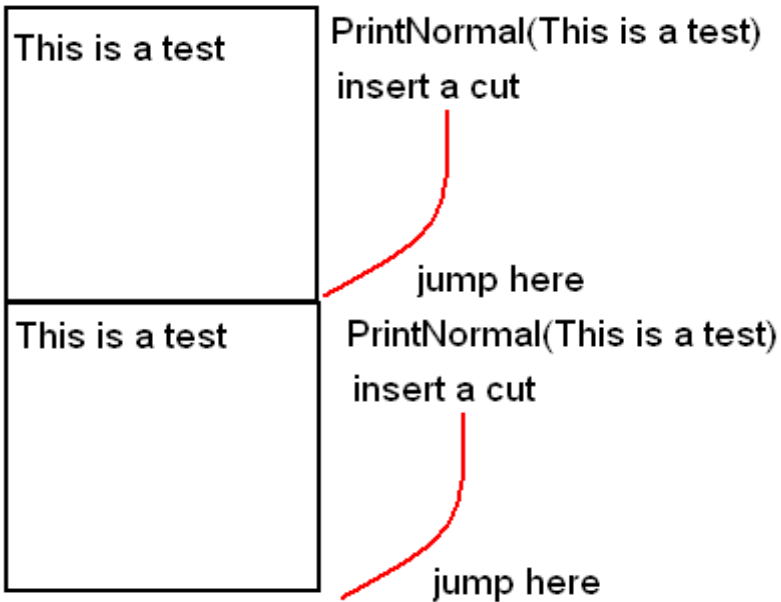
### Example Non-Continuous mode:

- You have a set label width
  - You have a set label height (minimum length is 70 mm)
  - You have a Label Home (left and top)
- You print context that is not filling the page and you receive a cut command  
The printer shall feed to the end of the page and cut there.



### Example Variable Continuous mode 1:

- You have a set label width
  - You have a minimum label height of 70 mm
  - You have a Label Home (left and top)
- You print context that is not filling the minimum page and you receive a cut command  
The printer shall feed to the end of the page and cut there.



In this example the minimum label length is not exceeded and is not different from Continuous mode.

### Example Variable Continuous mode 2:

- You have a set label width
  - You have a minimum label height of 70 mm
  - You have a Label Home (left and top)
- You print context that is exceeding the minimum page and you receive a cut command  
The printer shall not feed to the end of the page and cut right after the last print line.

This is a test	PrintNormal(This is a test)
This is a test	PrintNormal(This is a test)
This is a test	PrintNormal(This is a test)
This is a test	PrintNormal(This is a test)
This is a test	PrintNormal(This is a test)
This is a test	PrintNormal(This is a test)
This is a test	PrintNormal(This is a test)
This is a test	PrintNormal(This is a test)
	insert a cut <b>and cut here</b>

In this example only the minimum page length is honored and after the minimum length is exceeded the printer can cut at any location after the last print statement.

### Implementation

In order to accomplish this feature we need to accumulate first all PrintNormal statements until the minimum page length is exceeded and the cut command is received.

This means we have to establish a hybrid from a page mode and continuous mode with the requirement to cut at any location other the end of the page once the minimum page length is exceeded.

**Note:** This requirement is introduced due to a change in the original firmware behavior to the new minimum page length requirement.

**Note:** Variable mode is the default mode for the KR403.

When using variable mode you need to also set a minimum page length in order to accomplish the desired effect. In this mode the printer is feeding paper without length limitation (besides the minimum presenter length).

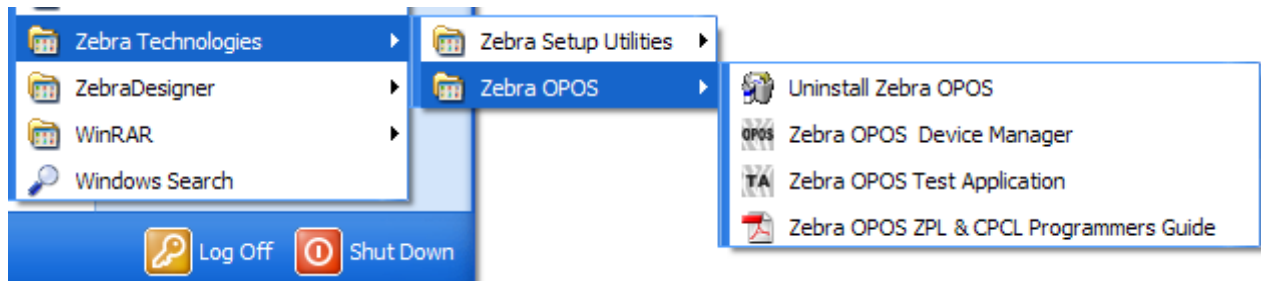
## Zebra ZPL & CPCL Printer Driver for OPOS

### Using the Device Manager

Use the Zebra OPOS Device Manager v1.0 to add a printer. First make a cable or wireless connection to a supported printer with one of the following:

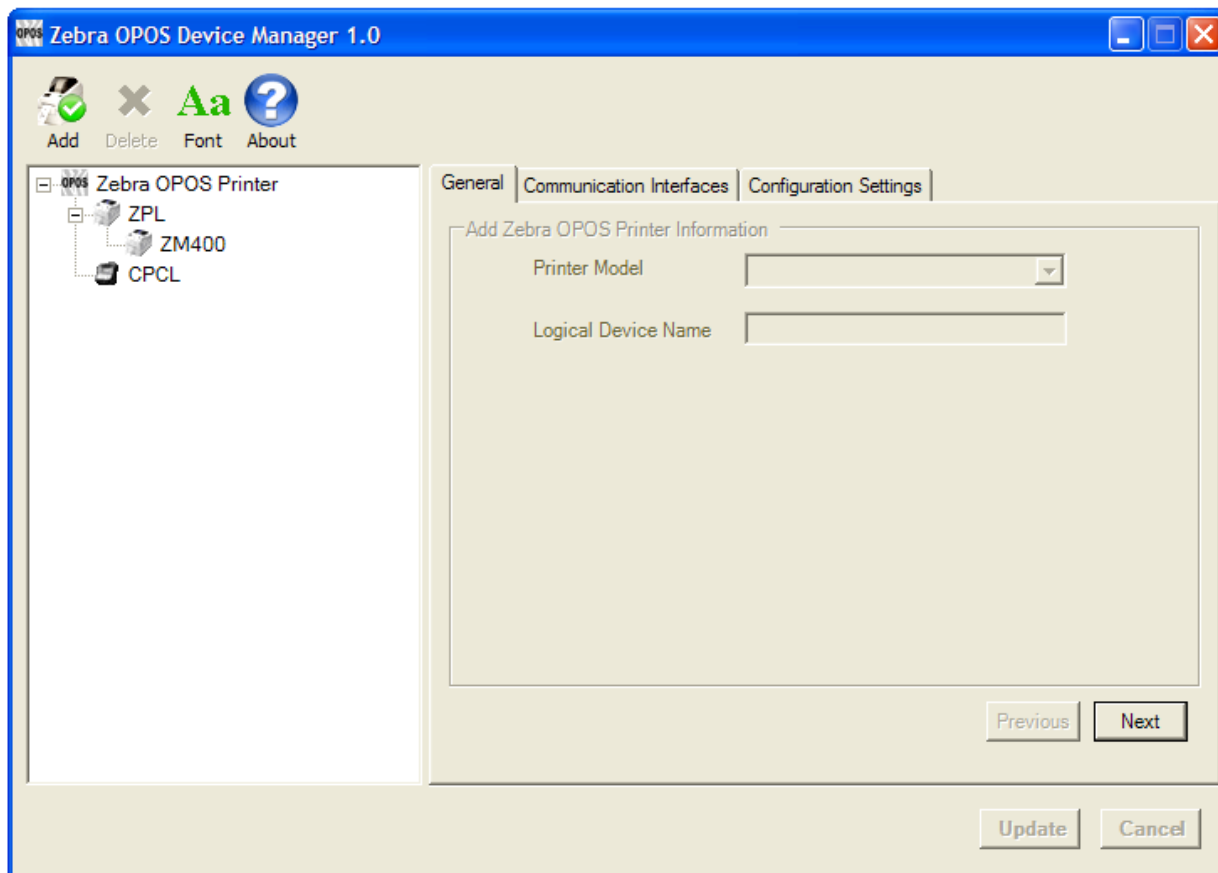
- Bluetooth
- IP/WiFi
- Parallel
- Serial
- USB

To run the Device Manager, from the "Start" button on the PC to All Programs/Zebra Technologies/Zebra OPOS/Zebra OPOS Device Manager.



**Zebra ZPL & CPCL Printer Driver for OPOS**  
Zebra OPOS Device Manager 1.0

When the program displays, click on the "Add" icon. The General tab is used to add a printer by selecting the printer model using the drop down menu. A logical device name for the printer must be defined, as this name will be used by the OPOS application.

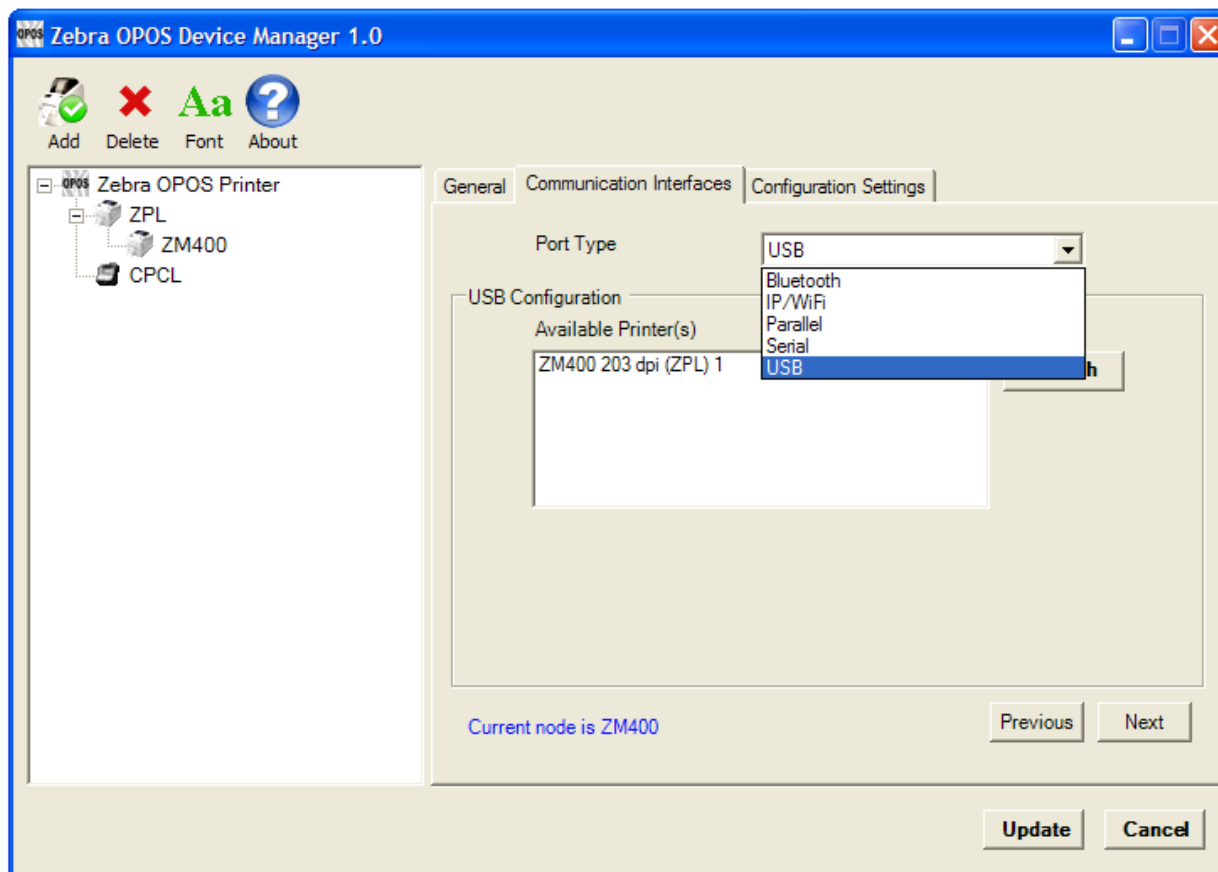


Once these steps are complete click on Next.



**Zebra ZPL & CPCL Printer Driver for OPOS**  
Zebra OPOS Device Manager 1.0

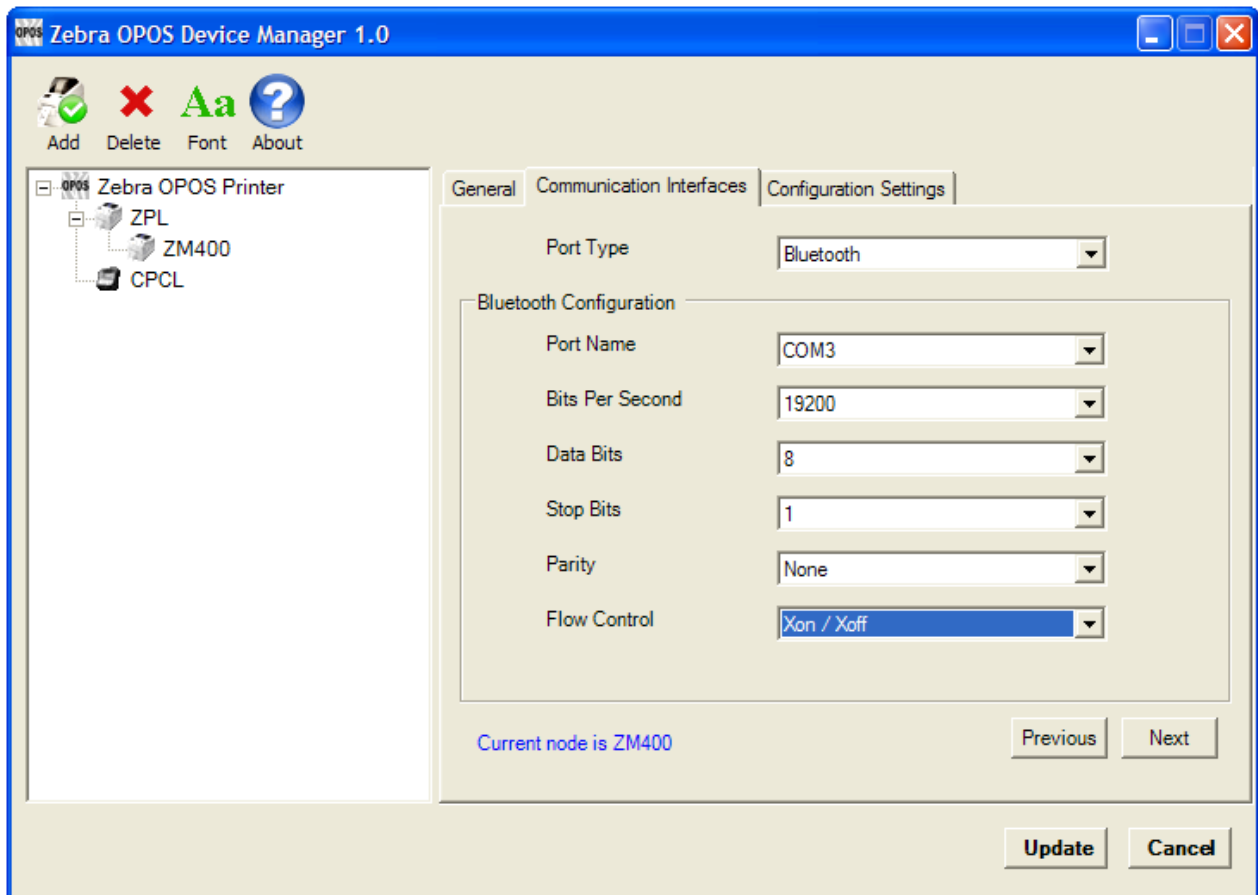
The Communication Interfaces dialog will display. On this screen, select the port type by using the drop down menu. Choose the interface that the printer is connected to. Click on Search and the printer model should populate the area under Available Printer(s).



### **Connecting Using Bluetooth**

With Bluetooth as a Port Type, you will need to make a serial cable connection and define the Bluetooth Configuration parameters to match the Bluetooth device.

Example:

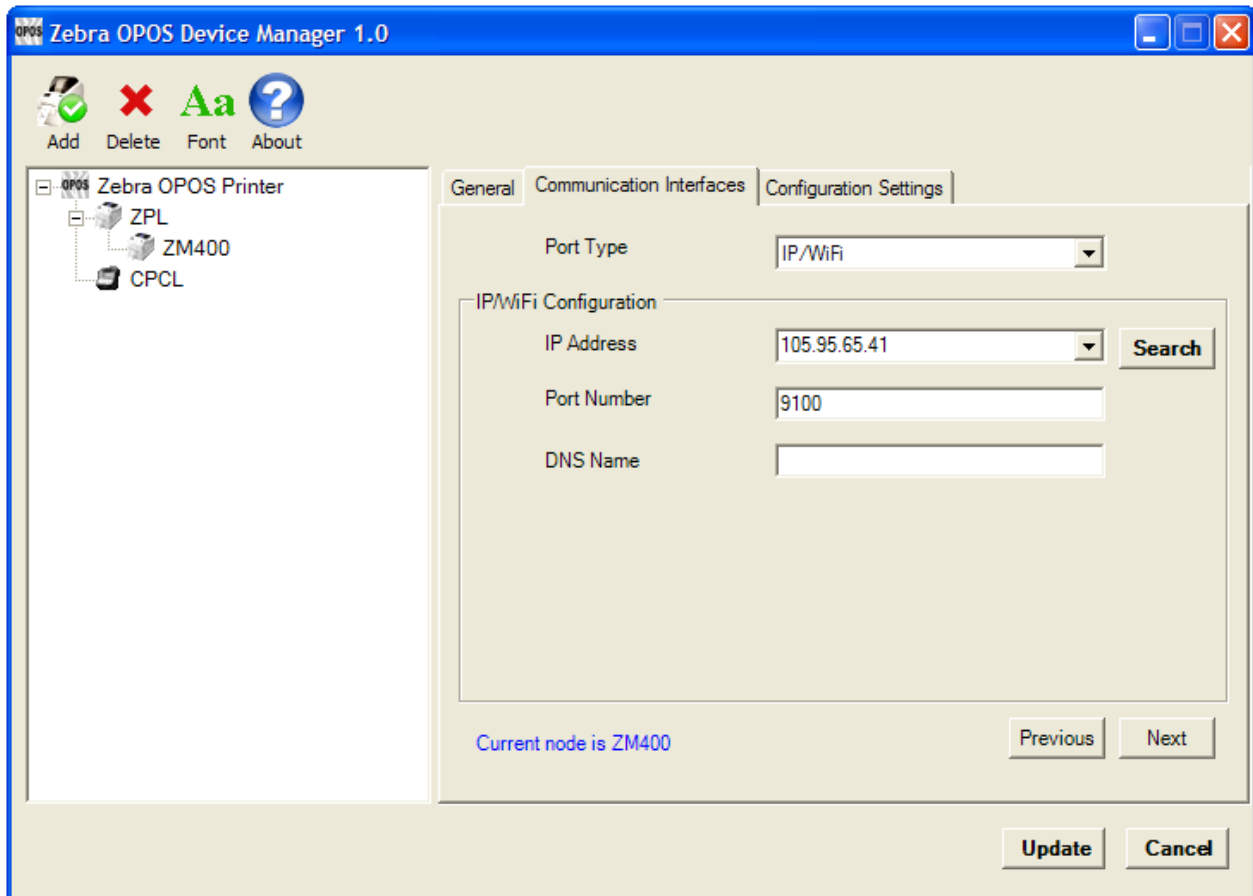


Once these steps are complete click on Next.

**Zebra ZPL & CPCL Printer Driver for OPOS**  
Zebra OPOS Device Manager 1.0

**Connecting Using an IP Address**

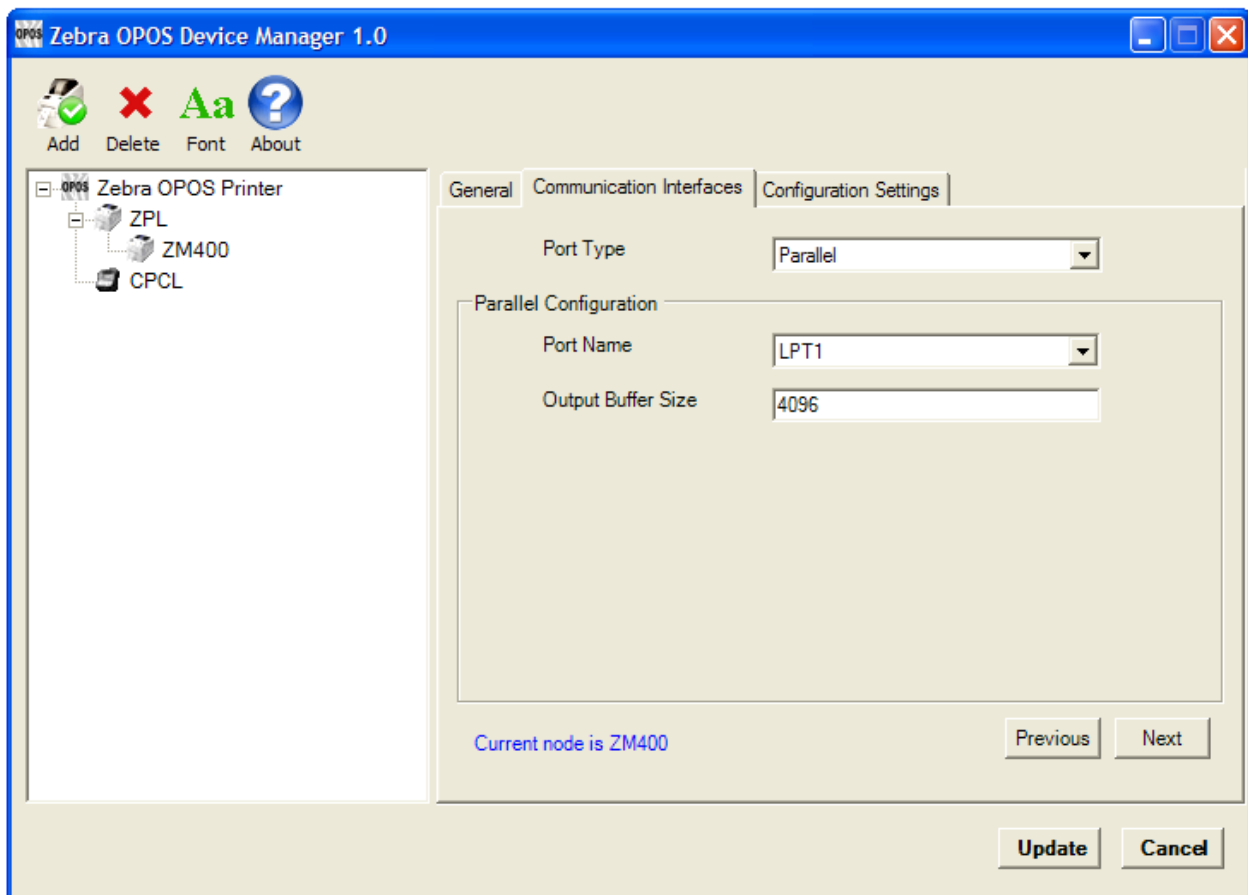
With IP/WiFi as a Port Type, manually enter the IP Address of the device or click on the Search button. A search for devices that have the same subnet as the PC running the Device Manager will start and then populate the drop down menu.



Once these steps are complete click on Next.

### **Connecting Using a Parallel cable**

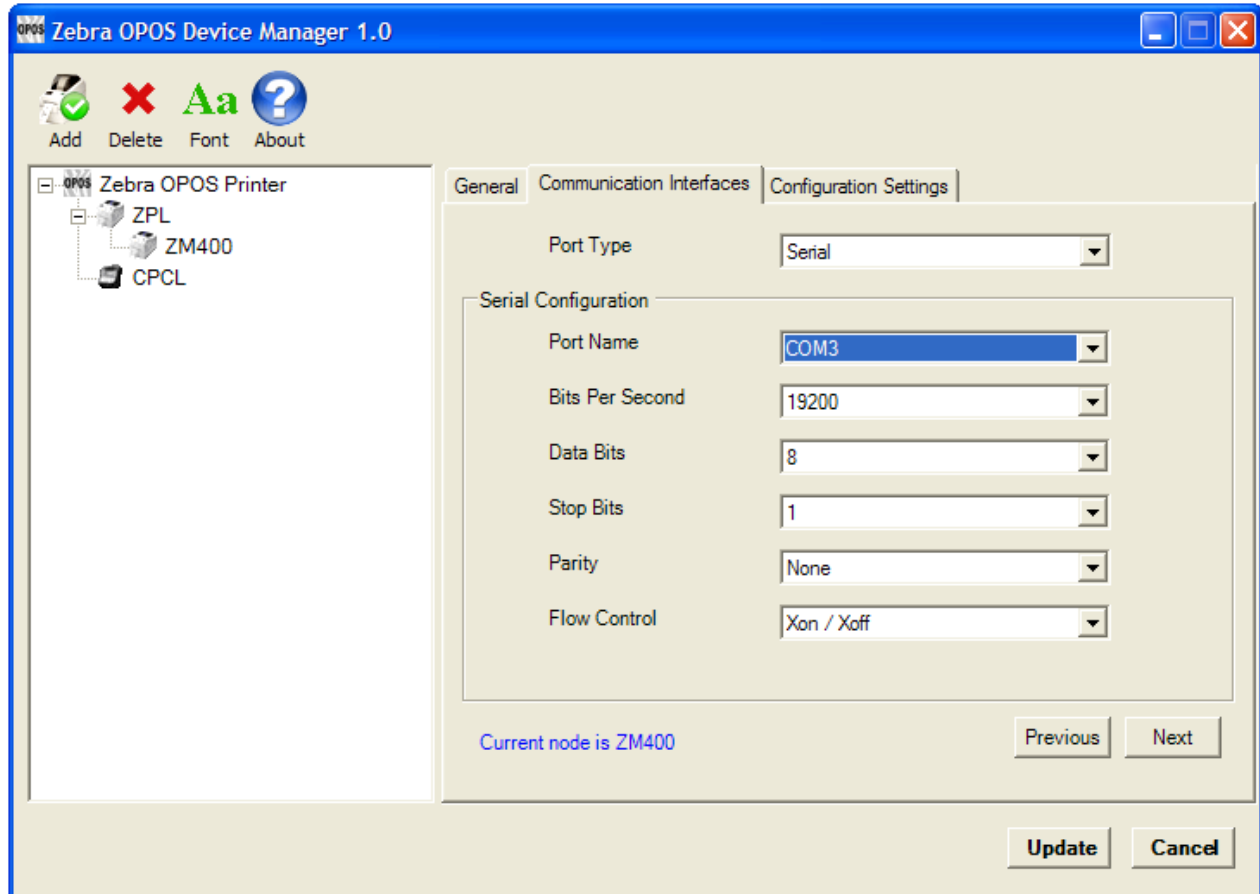
A parallel cable can be used to connect to the printer. Configure Port Type to Parallel.



Once these steps are complete click on Next.

### **Connecting Using a Serial cable**

A serial cable can be used to connect to the printer. Configure Port Type to Serial, then configure Port Name, Bits Per Second, Data Bits, Stop Bits, Parity and Flow Control to match the settings on the printer.

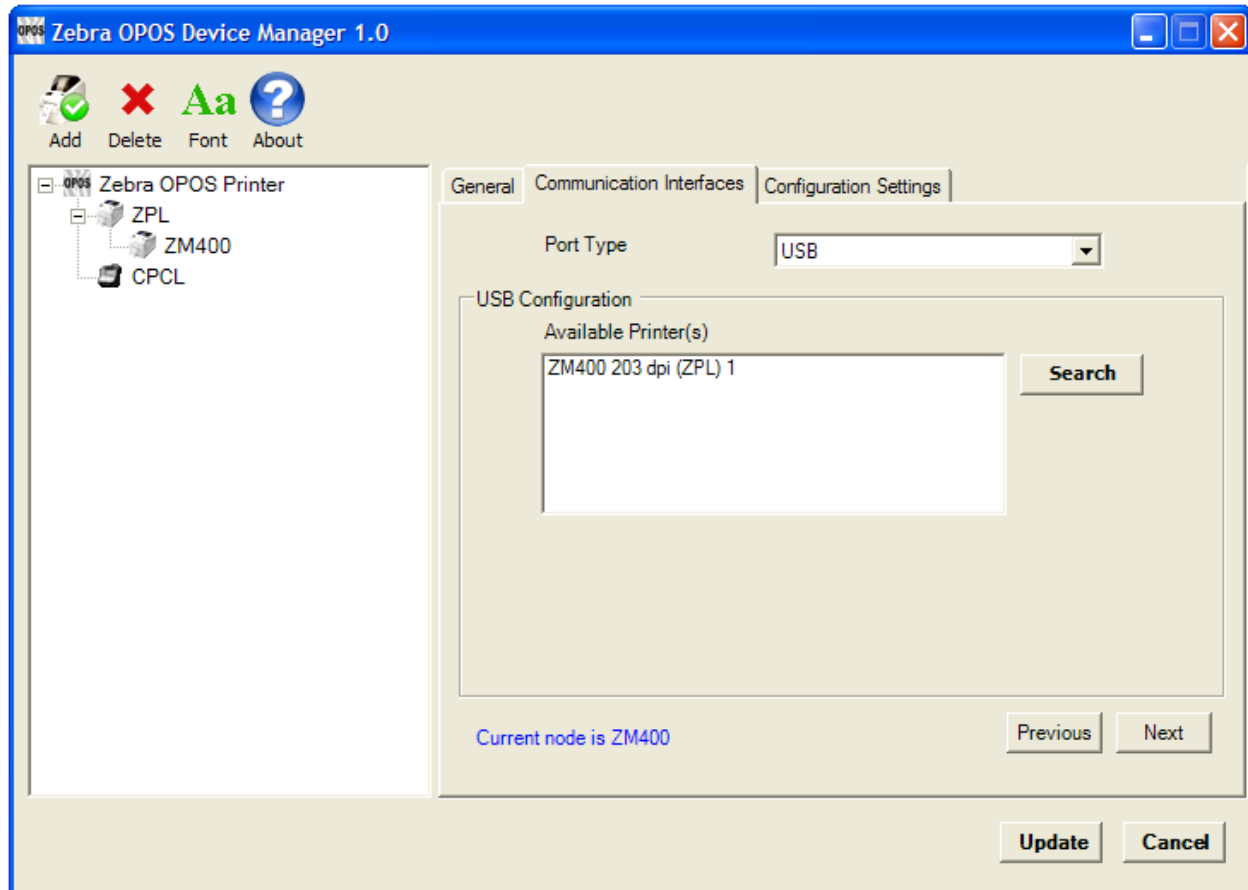


Once these steps are complete click on Next.

**Zebra ZPL & CPCL Printer Driver for OPOS**  
Zebra OPOS Device Manager 1.0

**Connecting Using a USB cable**

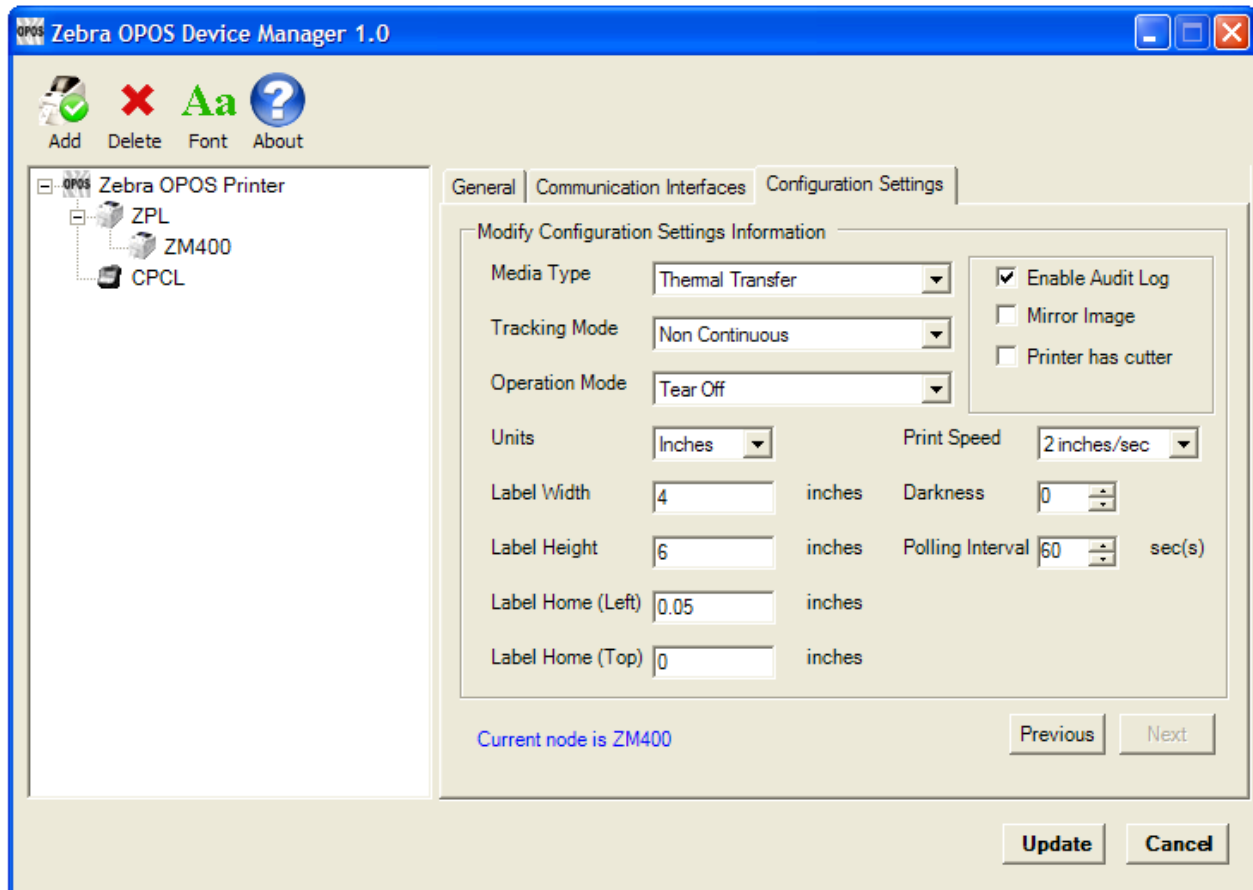
When using USB, make the cable connection first then click on Search button.  
This will populate the Available Printer(s) area with found printers.



Click on the printer then click Next.

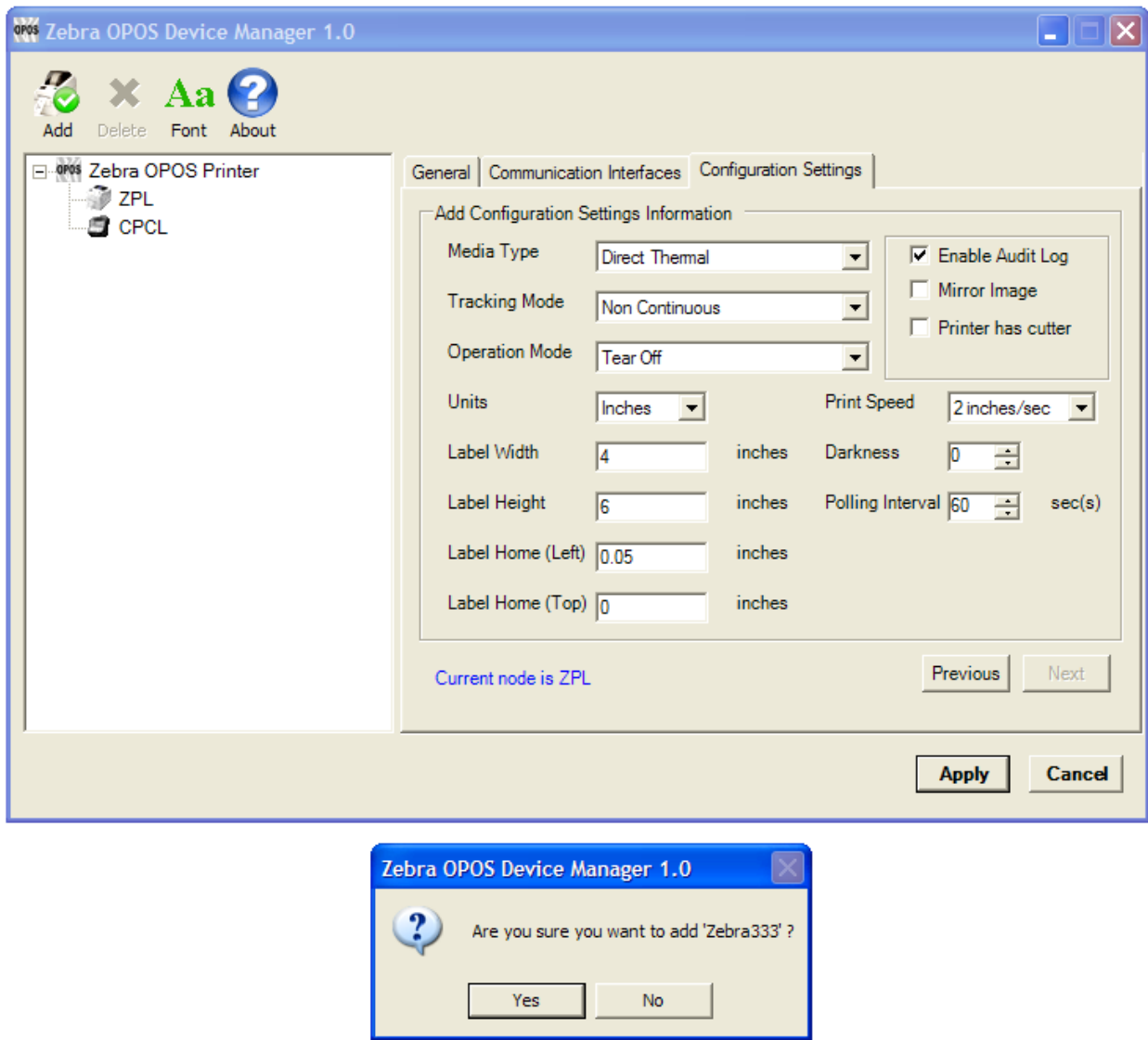
**Zebra ZPL & CPCL Printer Driver for OPOS**  
Zebra OPOS Device Manager 1.0

The Configurations Settings will display. On this screen, select the settings that will be used for the printer.



**Zebra ZPL & CPCL Printer Driver for OPOS**  
Zebra OPOS Device Manager 1.0

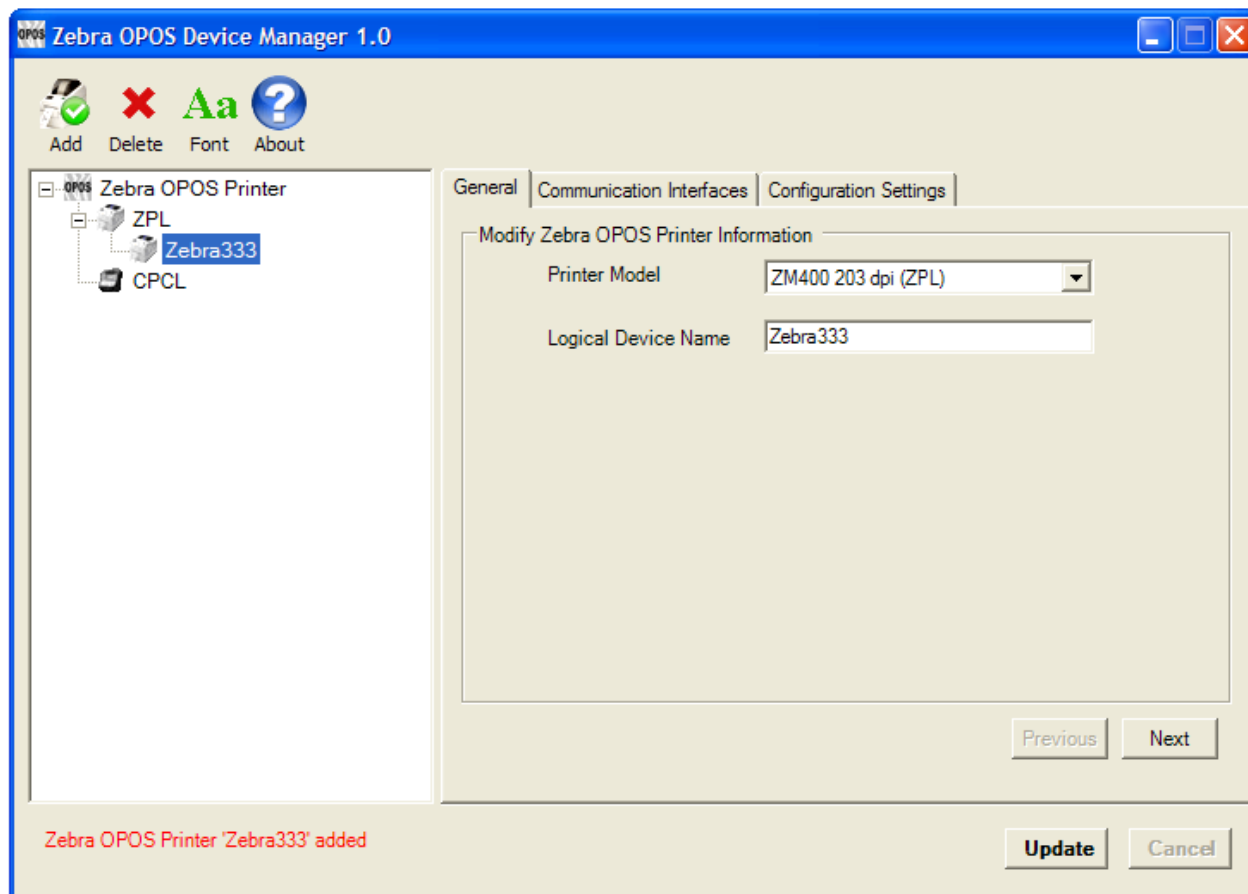
Once complete click on the Apply button. A message will appear asking if you are sure you want to add the printer, click Yes.





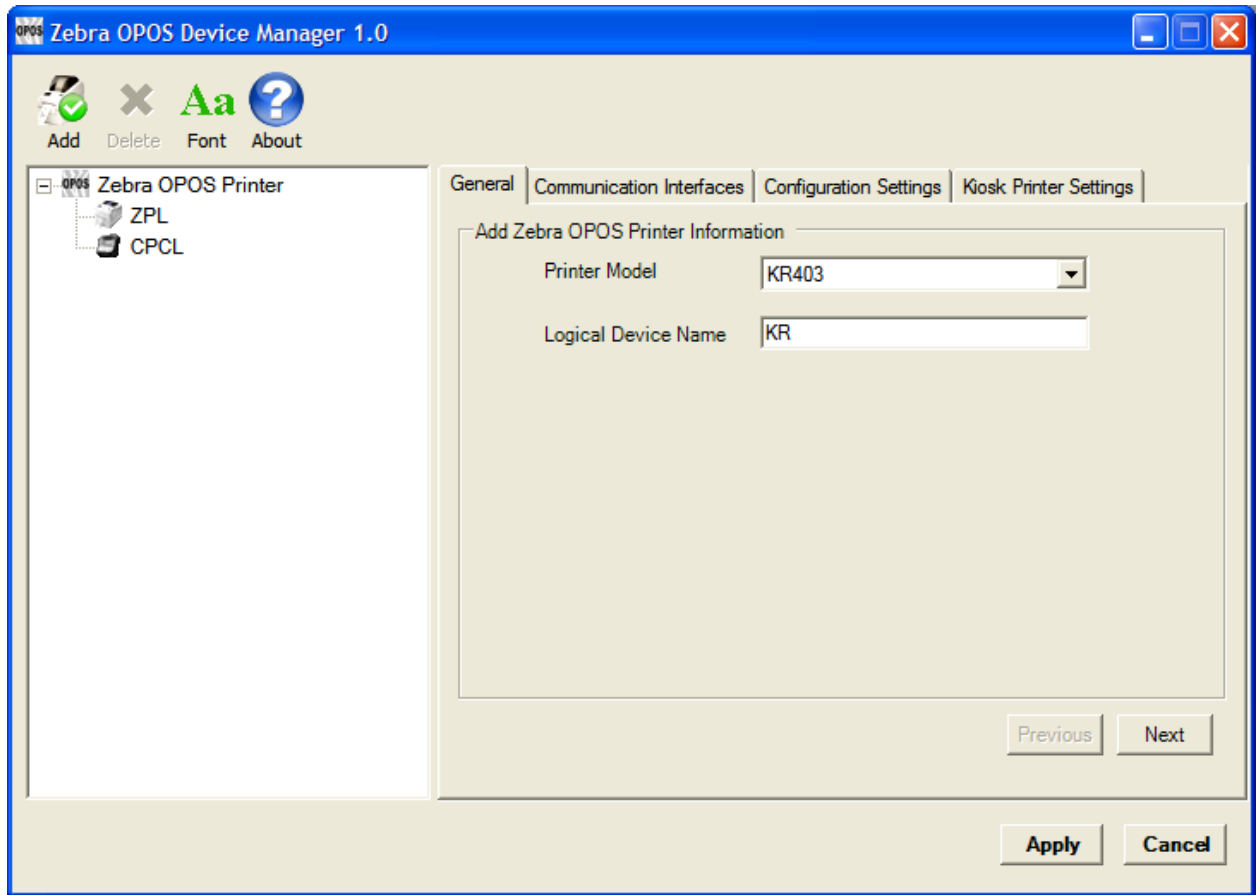
**Zebra ZPL & CPCL Printer Driver for OPOS**  
Zebra OPOS Device Manager 1.0

The printer will be added under the ZPL directory.

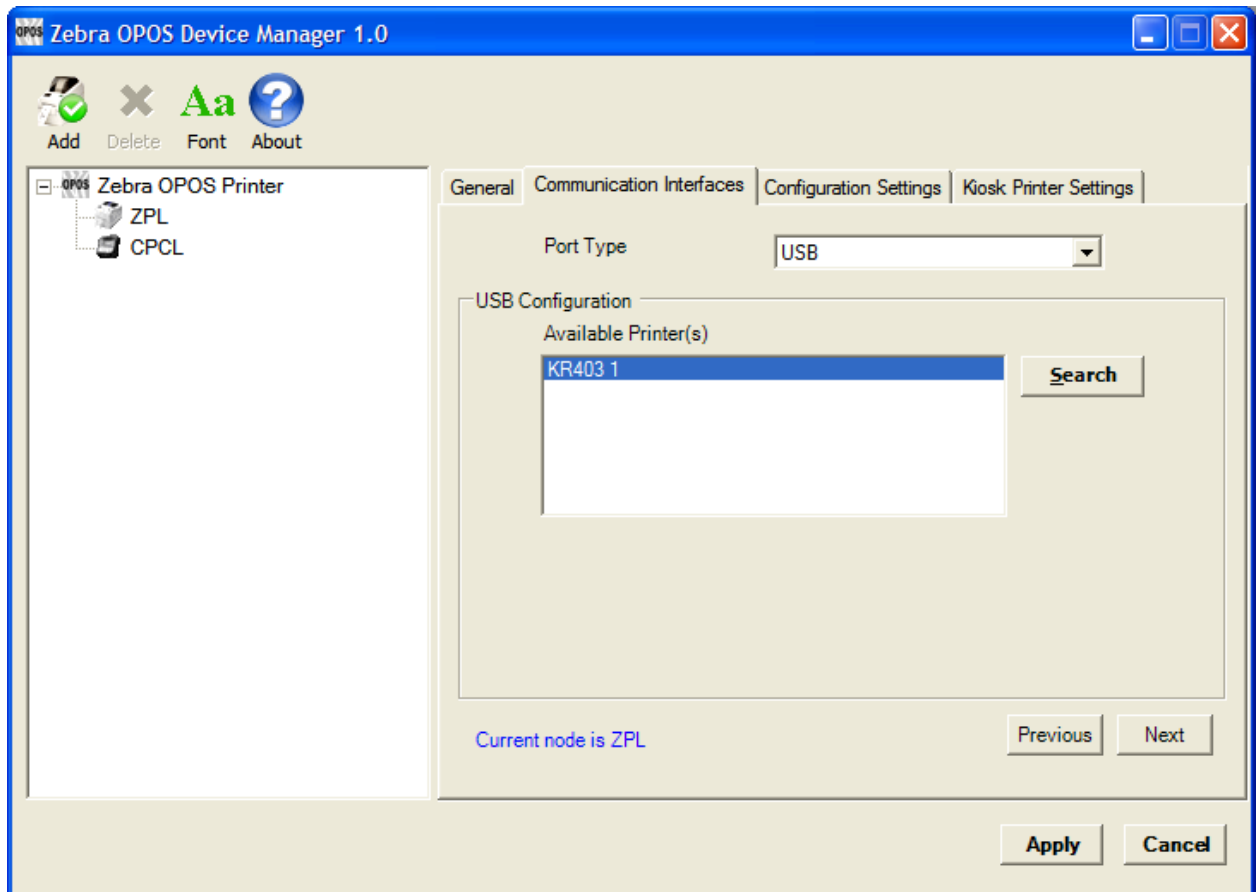


## Adding a KR403 printer using the Zebra OPOS Device Manager

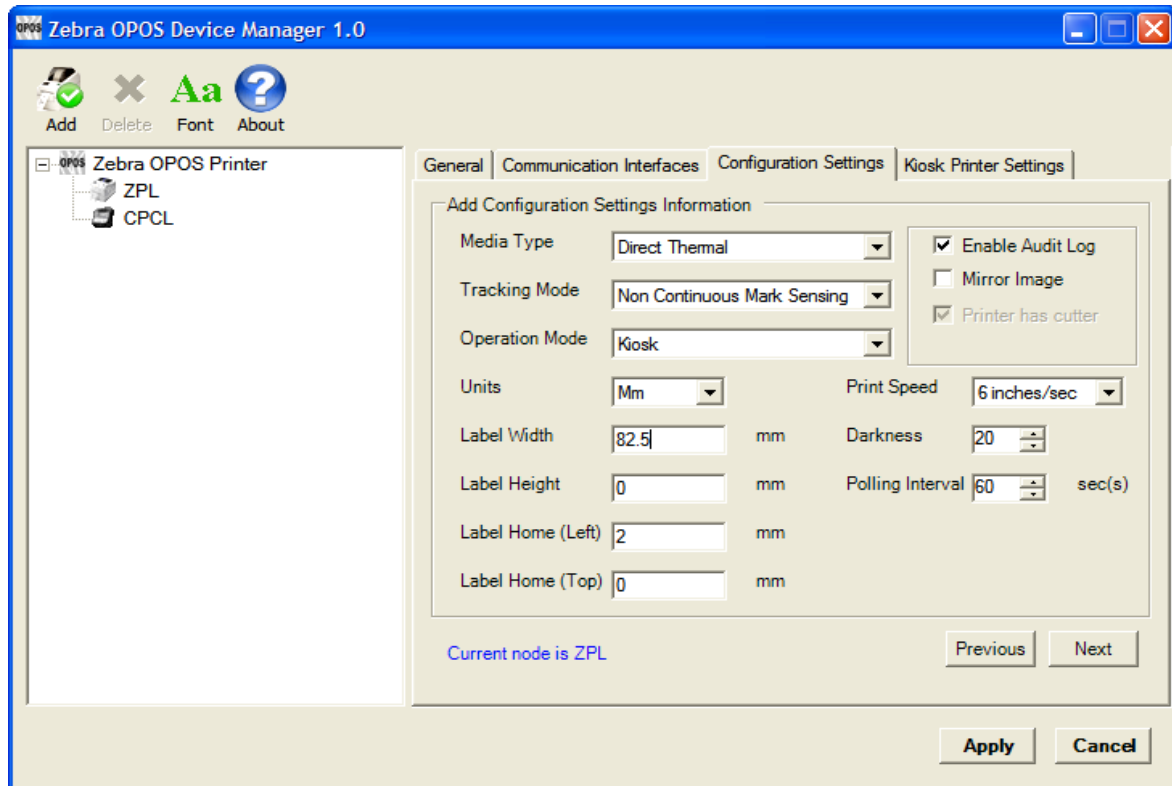
1. Open the Device Manager application, select ZPL under Zebra OPOS Printer and click the Add Button.
2. Select KR403 from the Printer Model drop-down list and type in the logical device name.



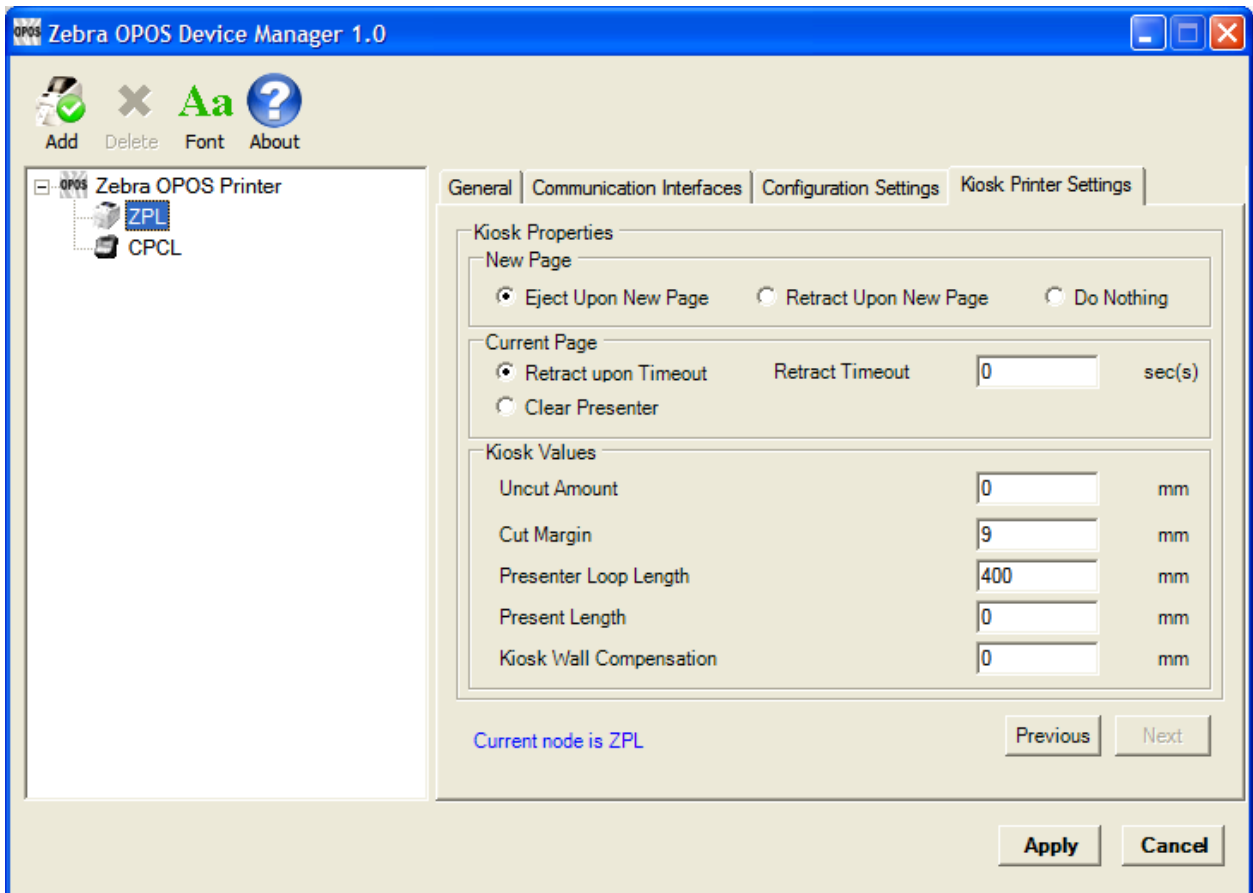
3. Click Next and in the Communication Interfaces tab, select the Port Type and then click the Next button.



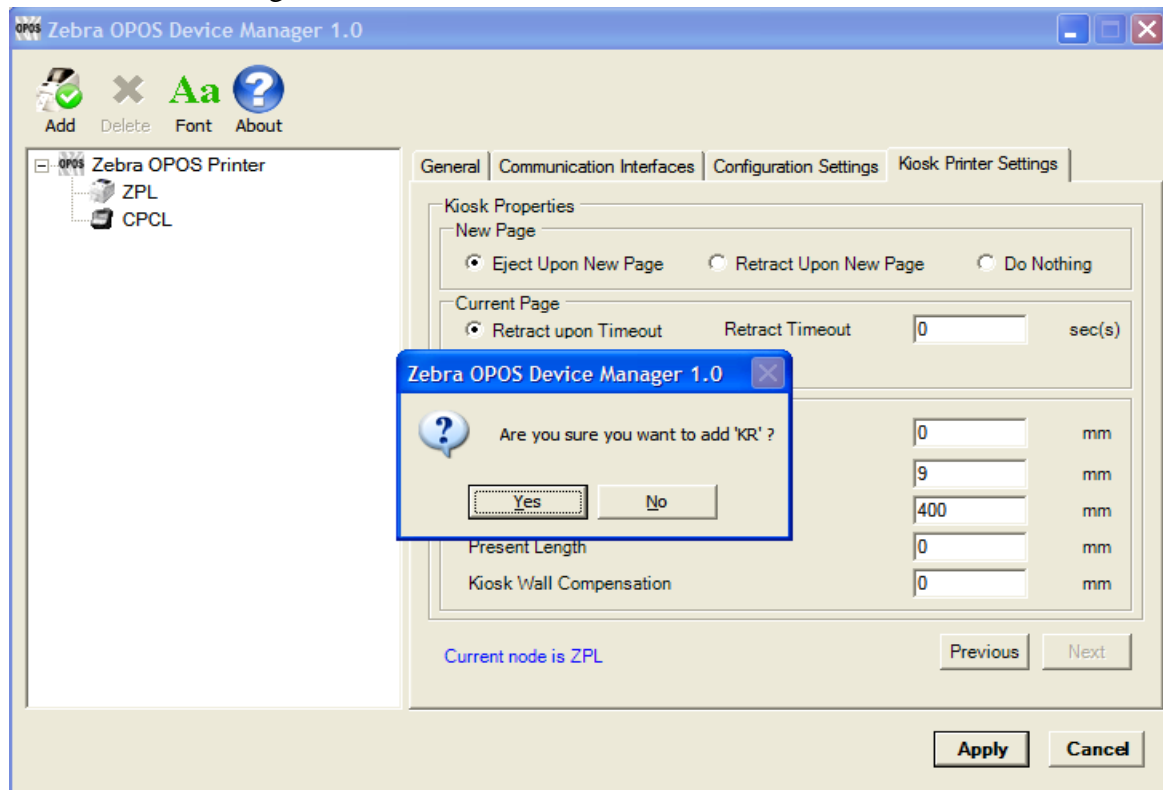
4. In the Configuration Settings tab, select the settings such as Media Type, Tracking Mode...etc. Check the Enable Audit Log box to enable event logging.



5. Click the Next button and configure the Kiosk Printer Settings. A detailed explanation of the Kiosk Printer Settings are described in the next section.



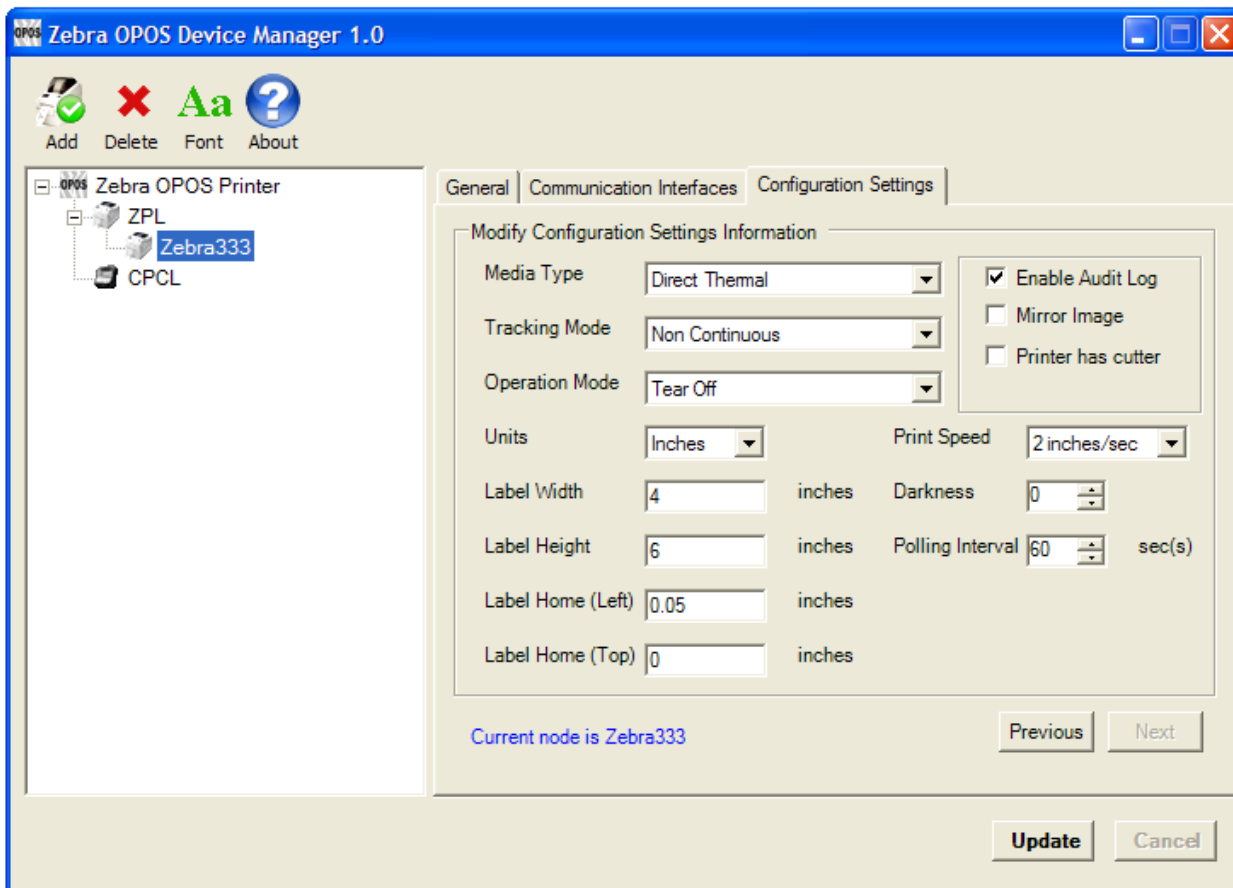
6. Click the Apply button and click Yes to add the printer. The KR403 should now be listed in the Device Manager.



## Using Output Logging

The Driver can log its printer command output for troubleshooting purposes. By default, this option is not turned on to keep the logs from consuming disk space. In the event that the Output Logs are needed, the feature can be activated from within the Device Manager.

To turn on Output Logging, run the Device Manager and select the printer to be monitored. Click on the Configuration Settings tab and check Enable Audit Log.



The logs can be found at C:\Program Files\Zebra Technologies\ZebraOPOS\LOGS.

There are two logs:

- ZebraPOS\_Audit.txt - contains a running log of the OPOS commands used and the resulting driver output.
- ZebraPOS\_Status\_Audit.txt - contains a running log of when status queries were sent.

To turn off the logging, uncheck the Enable Audit Log box in the Device Manager.

**Note:** If logging is turned off or on while a printer is in the "Claimed" state, the setting change will not take effect until the printer has been "Released".

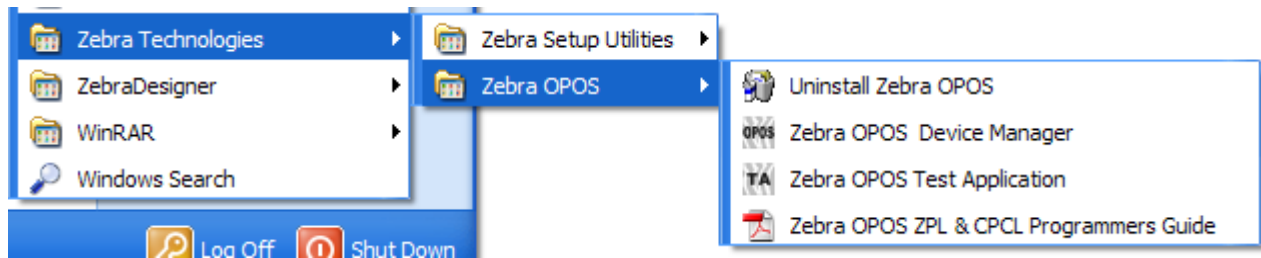
## **Zebra ZPL & CPCL Printer Driver for OPOS**

Zebra OPOS Test Application

### **Zebra OPOS Test Application**

Once the printer has been added using the Device Manager you can test the driver with the Zebra OPOS Test Application utility.

From the Start menu navigate to All Programs/Zebra Technologies/Zebra OPOS/Zebra OPOS Test Application.





**Zebra ZPL & CPCL Printer Driver for OPOS**  
Zebra OPOS Test Application

From the Printer Open section choose a Printer Language from the Service Object Type drop down. Choose CPCL or ZPL.

Select a printer in the Printer Logical Name drop down. The defined printers in the Device Manager should be available.

The screenshot shows the 'Zebra OPOS Test Application' window. It is divided into several sections for printer configuration:

- Printer Open:** Includes 'Service Object Type' (set to ZPL), 'Printer Logical Name' (set to Zebra333), and buttons for 'Open', 'Claim', 'Release', and 'Close'. There are also checkboxes for 'Async Mode' and 'Printer Enabled'.
- Print Options:** Contains buttons for 'Print Normal', 'Print Immediate', 'Mark Feed', 'Validate Data', 'Cut Receipt', 'Clear Output', 'Direct IO', 'Print From File', and 'Page Mode Test'.
- Barcode Print:** Features input fields for 'Data', 'Width' (set to 1), 'Height' (set to 60), and dropdowns for 'Symbology' (set to Codabar), 'Alignment' (set to Left), and 'Text Position' (set to Above). A 'Print' button is at the bottom.
- Set Logo & Bitmap:** Includes fields for 'Logo', 'Position' (set to Top), 'Bitmap Number' (set to 1), and 'Bitmap Alignment' (set to Left). Buttons for 'Set Logo' and 'Set Bitmap' are present.
- Rotate Print:** Has a 'Rotation Mode' dropdown (set to Normal) and a 'Rotate Print' button.
- Character Set Number:** Includes a 'CharacterSet' field (set to 113) and a 'Set CharacterSet' button.
- Bitmap Print:** Features an 'Alignment' dropdown (set to Left) and a 'Print Bitmap' button.
- Transaction Print:** Includes a checkbox for 'Transaction On' and a 'Print' button.
- Page Mode Print:** Includes a 'Page Mode Station' dropdown (set to Receipt), a 'Direction' dropdown (set to LeftToRight), a checkbox for 'Page Mode On', and buttons for 'Print', 'Print Save', 'Cancel', and 'Clear PrintArea'. It also has input fields for 'X Pos', 'Y Pos', 'Width', 'Height', 'Hor Pos', and 'Ver Pos'.
- Check Health:** Includes a 'Check Health Level' dropdown (set to Internal) and a 'Check Health' button.

Additional elements include a 'Status Update' button, an 'SO Version' button, a 'Printer Station' dropdown (set to Receipt), a 'Print Data' text area, and a note: 'Note : Unit is Dots only' and '\* Data may have Escape Sequence also'.

**Zebra ZPL & CPCL Printer Driver for OPOS**  
Zebra OPOS Test Application

To gain exclusive access to the device click the Open button, click the Claim button and then check the Printer Enabled in the Printer Open section. You can now begin using the Test Application.

On the next pages, two methods to run a test print are described.

The screenshot shows the 'Zebra OPOS Test Application' window. It is divided into several sections for printer management and testing.

- Printer Open Section:** Includes dropdowns for 'Service Object Type' (set to ZPL) and 'Printer Logical Name' (set to Zebra333). Buttons for 'Status Update', 'SO Version', and 'Not Supported Methods' are present. A 'Print Data' area is on the right with a note 'Note : Unit is Dots only'. At the bottom are buttons for 'Open', 'Claim', 'Release', and 'Close'. Checkboxes for 'Async Mode' and 'Printer Enabled' (checked) are also shown.
- Print Options Section:** Contains buttons for 'Print Normal', 'Print Immediate', 'Mark Feed', 'Validate Data', 'Cut Receipt', 'Clear Output', 'Direct IO', 'Print From File', and 'Page Mode Test'.
- Barcode Print Section:** Fields for 'Data', 'Width' (1), 'Height' (60), 'Symbology' (Codabar), 'Alignment' (Left), and 'Text Position' (Above). A 'Print' button is at the bottom.
- Set Logo & Bitmap Section:** Fields for 'Logo', 'Position' (Top), 'Bitmap Number' (1), and 'Bitmap Alignment' (Left). Buttons for 'Set Logo' and 'Set Bitmap' are included.
- Rotate Print Section:** A 'Rotation Mode' dropdown (Normal) and a 'Rotate Print' button.
- Character Set Number Section:** 'CharacterSet' dropdown (113) and a 'Set CharacterSet' button.
- Bitmap Print Section:** 'Alignment' dropdown (Left) and a 'Print Bitmap' button.
- Transaction Print Section:** A 'Transaction On' checkbox and a 'Print' button.
- Page Mode Print Section:** 'Page Mode Station' dropdown (Receipt), 'Direction' dropdown (LeftToRight), a 'Page Mode On' checkbox, and buttons for 'Print', 'Print Save', 'Cancel', and 'Clear PrintArea'.
- Check Health Section:** 'Check Health Level' dropdown (Internal) and a 'Check Health' button.

At the bottom left, a status bar indicates 'Printer Enabled'.

**Zebra ZPL & CPCL Printer Driver for OPOS**  
Zebra OPOS Test Application

Test Example one:

Type some data into the Print Data field. Click on the Print Normal button found in the Print Options area then click the Mark Feed button.

The printer will print the contents from the Print Data field.

The screenshot shows the 'Zebra OPOS Test Application' window. It features several sections for configuring the printer and testing its functionality. The 'Printer Open' section includes dropdowns for 'Service Object Type' (set to ZPL) and 'Printer Logical Name' (set to Zebra333), along with buttons for 'Status Update', 'SO Version', 'Not Supported Methods', 'Open', 'Claim', 'Release', and 'Close'. A checkbox for 'Printer Enabled' is checked. The 'Print Options' section contains buttons for 'Print Normal', 'Print Immediate', 'Mark Feed', 'Validate Data', 'Cut Receipt', 'Clear Output', 'Direct IO', 'Print From File', and 'Page Mode Test'. The 'Barcode Print' section has input fields for 'Data', 'Width' (set to 1), 'Height' (set to 60), and dropdowns for 'Symbology' (set to Codabar), 'Alignment' (set to Left), and 'Text Position' (set to Above). The 'Set Logo & Bitmap' section includes input fields for 'Logo', 'Position' (set to Top), 'Bitmap Number' (set to 1), and 'Bitmap Alignment' (set to Left). The 'Rotate Print' section has a 'Rotation Mode' dropdown (set to Normal) and a 'Rotate Print' button. The 'Character Set Number' section has a 'CharacterSet' dropdown (set to 113) and a 'Set CharacterSet' button. The 'Bitmap Print' section has an 'Alignment' dropdown (set to Left) and a 'Print Bitmap' button. The 'Transaction Print' section has a 'Transaction On' checkbox and a 'Print' button. The 'Page Mode Print' section has a 'Page Mode Station' dropdown (set to Receipt), a 'Direction' dropdown (set to LeftToRight), a 'Page Mode On' checkbox, and a 'Print' button. The 'Check Health' section has a 'Check Health Level' dropdown (set to Internal) and a 'Check Health' button. A status bar at the bottom indicates 'Printer Enabled'.

**Printer Open**

Service Object Type: ZPL  
Printer Logical Name: Zebra333  
Status Update SO Version  
Not Supported Methods  
Open Claim Release Close  
Async Mode  
Printer Enabled

**Print Options**

Print Normal Print Immediate Mark Feed  
Validate Data Cut Receipt Clear Output  
Direct IO Print From File Page Mode Test

**Barcode Print**

Data:   
Width: 1  
Height: 60  
Symbology: Codabar  
Alignment: Left  
Text Position: Above  
Print

**Set Logo & Bitmap**

Logo:   
Position: Top  
Bitmap Number: 1  
Bitmap Alignment: Left  
Set Logo Set Bitmap

**Rotate Print**

Rotation Mode: Normal  
Rotate Print

**Character Set Number**

CharacterSet: 113  
Set CharacterSet

**Bitmap Print**

Alignment: Left  
Print Bitmap

**Transaction Print**

Transaction On  
Print

**Page Mode Print**

Page Mode Station: Receipt  
Direction: LeftToRight  
Page Mode On  
Print  
X Pos: 0  
Y Pos: 0  
Width: 800  
Height: 1200  
Hor Pos: 0  
Ver Pos: 0

**Check Health**

Check Health Level: Internal  
Check Health

Printer Enabled

**Zebra ZPL & CPCL Printer Driver for OPOS**  
Zebra OPOS Test Application

Test Example two:

Type some data into the Data field in the Barcode Print area. Then select Code 39 from the drop down next to Symbology. Now click on Print from the Barcode area and Mark Feed in the Print Options area.

The printer will print the Code39 barcode and the data entered in the Data area.

The screenshot shows the 'Zebra OPOS Test Application' window. It is divided into several sections:

- Printer Open:** Includes 'Service Object Type' (ZPL), 'Printer Logical Name' (Zebra333), 'Status Update', 'SO Version', 'Not Supported Methods', 'Async Mode' (unchecked), and 'Printer Enabled' (checked). Buttons for 'Open', 'Claim', 'Release', and 'Close' are present.
- Printer Station:** A dropdown menu set to 'Receipt'.
- Print Data:** A large text input field.
- Print Options:** A grid of buttons including 'Print Normal', 'Print Immediate', 'Mark Feed', 'Validate Data', 'Cut Receipt', 'Clear Output', 'Direct IO', 'Print From File', and 'Page Mode Test'.
- Barcode Print:** Includes 'Data' (1234567890), 'Symbology' (Code39), 'Width' (1), 'Alignment' (Left), 'Height' (60), 'Text Position' (Above), and a 'Print' button.
- Character Set Number:** Includes 'CharacterSet' (113) and a 'Set CharacterSet' button.
- Bitmap Print:** Includes 'Alignment' (Left) and a 'Print Bitmap' button.
- Transaction Print:** Includes a 'Transaction On' checkbox and a 'Print' button.
- Page Mode Print:** Includes 'Page Mode Station' (Receipt), 'Direction' (LeftToRight), 'Page Mode On' checkbox, and a 'Print' button.
- Set Logo & Bitmap:** Includes 'Logo' (empty), 'Position' (Top), 'Bitmap Number' (1), 'Bitmap Alignment' (Left), and buttons for 'Set Logo' and 'Set Bitmap'.
- Rotate Print:** Includes 'Rotation Mode' (Normal) and a 'Rotate Print' button.
- Check Health:** Includes 'Check Health Level' (Internal) and a 'Check Health' button.

At the bottom left, it says 'Printer Enabled'.

## Summary of Common Properties, Methods, and Events

**Table 1 • Common Properties**

Name	Type / Access	Supported for Zebra ZPL Printer	Supported for Zebra CPCL Printer
AutoDisable	Boolean /R/W	NO	NO
CapCompareFirmwareVersion	Boolean /R	NO	NO
BinaryConversion	Long R/W	YES	YES
CapPowerReporting	Long /R	YES	YES
CapStatisticsReporting	Boolean /R	NO	NO
CapUpdateFirmware	Boolean /R	NO	NO
CapUpdateStatistics	Boolean /R	NO	NO
CheckHealthText	String /R	YES	YES
Claimed	Boolean /R	YES	YES
DataCount	Long /R	NO	NO
DataEventEnabled	Boolean /R/W	NO	NO
DeviceEnabled	Boolean /R/W	NO	NO
FreezeEvents	Boolean /R/W	YES	YES
OpenResult	Long /R	YES	YES
OutputID	Long /R	YES	YES
PowerNotify	Long /R/W	YES	YES
PowerState	Long /R	YES	YES
ResultCode	Long /R	YES	YES
ResultCodeExtended	Long /R	YES	YES
State	Long /R	YES	YES
ControlObjectDescription	String /R	YES	YES
ControlObjectVersion	Long /R	YES	YES
ServiceObjectDescription	String /R	YES	YES
ServiceObjectVersion	Long /R	YES	YES
DeviceDescription	String /R	YES	YES
DeviceName	String /R	YES	YES

**Table 2 • Common Methods**

<b>Name</b>	<b>Supported for Zebra ZPL Printers</b>	<b>Supported for Zebra CPCL Printer</b>
Open	YES	YES
Close	YES	YES
Claim	YES	YES
ReleaseDevice	YES	YES
CheckHealth	YES	YES
ClearInput	NO	NO
clearInputProperties	NO	NO
ClearOutput	YES	YES
DirectIO	YES	YES
compareFirmwareVersion	NO	NO
resetStatistics	NO	NO
retrieveStatistics	NO	NO
updateFirmware	NO	NO
updateStatistics	NO	NO

**Table 3 Common Events**

<b>Name</b>	<b>Supported for Zebra ZPL Printers</b>	<b>Supported for Zebra CPCL Printer</b>
DataEvent	NO	NO
DirectIOEvent	YES	YES
ErrorEvent	YES	YES
OutputCompleteEvent	YES	YES
StatusUpdateEvent	YES	YES

**Table 4 Specific Properties**

<b>Name</b>	<b>Type / Access</b>	<b>Supported for Zebra ZPL Printer</b>	<b>Supported for Zebra CPCL Printer</b>
CapConcurrentJrnRec	Boolean /R	NO	NO
CapConcurrentJrnSlp	Boolean /R	NO	NO
CapConcurrentRecSlp	Boolean /R	NO	NO
CapCoverSensor	Boolean /R	YES	YES
CapTransaction	Boolean /R	YES	YES
CapConcurrentPageMode	Boolean /R	NO	NO
CapMapCharacterSet	Boolean /R	NO	NO
CapJrnPresent	Boolean /R	YES	YES
CapJrn2Color	Boolean /R	NO	NO
CapJrnBold	Boolean /R	YES	YES
CapJrnCartridgeSensor	Long /R	YES	YES
CapJrnColor	Long /R	YES	YES
CapJrnDhigh	Boolean /R	YES	YES
CapJrnDwide	Boolean /R	YES	YES
CapJrnDwideDhigh	Boolean /R	YES	YES
CapJrnEmptySensor	Boolean /R	YES	YES
CapJrnItalic	Boolean /R	NO	NO
CapJrnNearEndSensor	Boolean /R	NO	NO
CapJrnUnderline	Boolean /R	YES	YES
CapRecPresent	Boolean /R	YES	YES
CapRec2Color	Boolean /R	NO	NO
CapRecBarCode	Boolean /R	YES	YES
CapRecBitmap	Boolean /R	YES	YES
CapRecBold	Boolean /R	YES	YES
CapRecCartridgeSensor	Long /R	YES	YES
CapRecColor	Long /R	YES	YES
CapRecDhigh	Boolean /R	YES	YES
CapRecDwide	Boolean /R	YES	YES
CapRecDwideDhigh	Boolean /R	YES	YES
CapRecEmptySensor	Boolean /R	YES	YES
CapRecItalic	Boolean /R	NO	NO
CapRecLeft90	Boolean /R	YES	YES
CapRecMarkFeed	Long /R	YES	YES

**Table 4 Specific Properties (Continued)**

<b>Name</b>	<b>Type / Access</b>	<b>Supported for Zebra ZPL Printer</b>	<b>Supported for Zebra CPCL Printer</b>
CapRecNearEndSensor	Boolean /R	NO	NO
CapRecPapercut	Boolean /R	YES	NO
CapRecRight90	Boolean /R	YES	YES
CapRecRotate180	Boolean /R	YES	YES
CapRecStamp	Boolean /R	NO	NO
CapRecUnderline	Boolean /R	YES	YES
CapRecPageMode	Boolean /R	YES	YES
CapSlpPageMode	Boolean /R	NO	NO
CapSlpPresent	Boolean /R	NO	NO
CapSlpFullslip	Boolean /R	NO	NO
CapSlp2Color	Boolean /R	NO	NO
CapSlpBarCode	Boolean /R	NO	NO
CapSlpBitmap	Boolean /R	NO	NO
CapSlpBold	Boolean /R	NO	NO
CapSlpBothSidesPrint	Boolean /R	NO	NO
CapSlpCartridgeSensor	Long /R	YES	YES
CapSlpColor	Long /R	YES	YES
CapSlpDhigh	Boolean/R	NO	NO
CapSlpDwide	Boolean /R	NO	NO
CapSlpDwideDhigh	Boolean /R	NO	NO
CapSlpEmptySensor	Boolean /R	NO	NO
CapSlpItalic	Boolean /R	NO	NO
CapSlpLeft90	Boolean /R	NO	NO
CapSlpNearEndSensor	Boolean /R	NO	NO
CapSlpRight90	Boolean /R	NO	NO
CapSlpRotate180	Boolean /R	NO	NO
CapSlpUnderline	Boolean /R	NO	NO
AsyncMode	Boolean /R/W	YES	YES
CartridgeNotify	Long /R/W	YES	YES
CharacterSet	Long /R/W	YES	YES
CharacterSetList	String /R	YES	YES
CoverOpen	Boolean /R	NO	NO
ErrorLevel	Long /R	YES	YES



**Table 4 • Specific Properties (Continued)**

<b>Property (Specific)</b>	<b>Type / Access</b>	<b>Supported for Zebra ZPL Printer</b>	<b>Supported for Zebra CPCL Printer</b>
ErrorStation	Long /R	YES	YES
ErrorString	String /R	YES	YES
FontTypefaceList	String /R	YES	YES
FlagWhenIdle	Boolean /R/W	NO	NO
MapCharacterSet	Boolean /R/W	NO	NO
MapMode	Long /R/W	YES	YES
PageModeArea	String /R/W	YES	YES
PageModeDescriptor	Int32 / R/W	YES	YES
PageModeHorizontalPosition	Int32 /R/W	YES	YES
PageModePrintArea	String /R/W	YES	YES
PageModePrintDirection	Int32 /R/W	YES	YES
PageModeStation	Int32 /R/W	YES	YES
PageModeVerticalPosition	Int32 /R/W	YES	YES
RotateSpecial	Long /R/W	YES	YES
JrnLineChars	Long /R/W	YES	YES
JrnLineCharsList	String /R	YES	YES
JrnLineHeight	Long /R/W	YES	YES
JrnLineSpacing	Long /R/W	YES	YES
JrnLineWidth	Long /R	YES	YES
JrnLetterQuality	Boolean /R/W	YES	YES
JrnEmpty	Boolean /R	YES	YES
JrnNearEnd	Boolean /R	YES	YES
JrnCartridgeState	Long /R	YES	YES
JrnCurrentCartridge	Long /R/W	YES	YES
RecLineChars	Long /R/W	YES	YES
RecLineCharsList	String /R	YES	YES

**Table 4 • Specific Properties (Continued)**

<b>Name</b>	<b>Type / Access</b>	<b>Supported for Zebra ZPL Printer</b>	<b>Supported for Zebra CPCL Printer</b>
RecLineHeight	Long /R/W	YES	YES
RecLineSpacing	Long /R/W	YES	YES
RecLineWidth	Long /R	YES	YES
RecLetterQuality	Boolean /R/W	YES	YES
RecEmpty	Boolean /R	NO	NO
RecNearEnd	Boolean /R	NO	NO
RecSidewaysMaxLines	Long /R	YES	YES
RecSidewaysMaxChars	Long /R	YES	YES
RecLinesToPaperCut	Long /R	YES	YES
RecBarCodeRotationList	String /R	YES	YES
RecBitmapRotationList	String /R	NO	NO
RecCartridgeState	Long /R	YES	YES
RecCurrentCartridge	Long /R/W	YES	YES
SlpLineChars	Long /R/W	NO	NO
SlpLineCharsList	String /R	NO	NO
SlpLineHeight	Long /R/W	NO	NO
SlpLineSpacing	Long /R/W	NO	NO
SlpLineWidth	Long /R	NO	NO
SlpLetterQuality	Boolean /R/W	NO	NO
SlpEmpty	Boolean /R	NO	NO
SlpNearEnd	Boolean /R	NO	NO

**Table 4 • Specific Properties (Continued)**

<b>Name</b>	<b>Type / Access</b>	<b>Supported for Zebra ZPL Printer</b>	<b>Supported for Zebra CPCL Printer</b>
SlpSidewaysMaxLines	Long /R	NO	NO
SlpSidewaysMaxChars	Long /R	NO	NO
SlpMaxLines	Long /R	NO	NO
SlpLinesNearEndToEnd	Long /R	NO	NO
SlpBarCodeRotationList	String /R	NO	NO
SlpBitmapRotationList	String /R	NO	NO
SlpPrintSide	Long /R	NO	NO
SlpCartridgeState	Long /R	NO	NO
SlpCurrentCartridge	Long /R/W	NO	NO

**Table 5 • Specific Methods**

<b>Name</b>	<b>Supported for Zebra ZPL Printer</b>	<b>Supported for Zebra CPCP Printer</b>
PrintNormal	YES	YES
PrintTwoNormal	NO	NO
PrintImmediate	YES	YES
printMemoryBitmap	YES	YES
BeginInsertion	NO	NO
EndInsertion	NO	NO
BeginRemoval	NO	NO
clearPrintArea	YES	YES
EndRemoval	NO	NO
CutPaper	YES	YES
RotatePrint	YES	YES
PrintBarCode	YES	YES
PrintBitmap	YES	YES
TransactionPrint	YES	YES
ValidateData	YES	YES
SetBitmap	YES	YES
SetLogo	YES	YES
ChangePrintSide	NO	NO
MarkFeed	YES	YES
pageModePrint	YES	YES

**Table 6 • Events**

<b>Name</b>	<b>May Use After</b>	<b>Supported for Zebra ZPL Printer</b>	<b>Supported for Zebra CPCL Printer</b>
DataEvent	Not Supported	NO	NO
DirectIOEvent	Open, Claim & Enable	YES	YES
ErrorEvent	Open, Claim & Enable	YES	YES
OutputCompleteEvent	Open, Claim & Enable	YES	YES
StatusUpdateEvent	Open, Claim & Enable	YES	YES



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