SCANNER JPOS DRIVER FOR LINUX

User Guide
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**Revision History**

Changes to the original guide are listed below:

<table>
<thead>
<tr>
<th>Change</th>
<th>Date</th>
<th>Description</th>
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<tbody>
<tr>
<td>MN-003395-02 Rev A</td>
<td>7/2019</td>
<td>- Updated Supported Feature Set</td>
</tr>
</tbody>
</table>
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About This Guide

Introduction

This guide provides information about the Zebra Scanner JPOS Driver.

✓ NOTE Screens and windows pictured in this guide are samples and can differ from actual screens.

Chapter Descriptions

Topics covered in this guide are as follows:

• Introduction to the Scanner JPOS Driver provides an overview of the Zebra Scanner JPOS Driver.
• Installation and Configuration describes specific installation instructions and settings to configure the Zebra Scanner JPOS Driver on a host computer.
• JPOS Properties, Methods, Events provides information about JPOS properties, methods, and events.
• Sample Application provides information about the sample application in the Zebra Scanner JPOS Driver suite.

Notational Conventions

The following conventions are used in this document:

• Bold text is used to highlight the following:
  • Dialog box, window and screen names
  • Drop-down list and list box names
  • Check box and radio button names
  • Icons on a screen
  • Key names on a keypad
  • Button names on a screen.
• Bullets (•) indicate:
  • Action items
  • Lists of alternatives
  • Lists of required steps that are not necessarily sequential.
• Sequential lists (e.g., those that describe step-by-step procedures) appear as numbered lists.

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If you have a problem with your equipment, contact Zebra Global Customer Support for your region. Contact information is available at: zebra.com/support.

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  • Software type and version number.

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Introduction

The POS application is either a Java application or an applet that uses one or more JavaPOS devices. An application accesses the JavaPOS device through the JavaPOS Device Interface, which is specified by Java interfaces.

Each JavaPOS device is a combination of these components:

- **JavaPOS Device Control** is a Java class that provides the interface between the application and the device category. It contains no graphical component and is therefore invisible at runtime and conforms to the JavaBeans API. The Device Control was designed so that all implementations of a device category's control are compatible. The Device Control can be developed independently of a Device Service for the same device category. They may even be developed by different companies.

- **JavaPOS Device Service** is a Java class that is called by the Device Control through the JavaPOS Device Service Interface. The Device Service is used by the Device Control to implement JavaPOS-prescribed functionality for a physical device. It can also call special event methods provided by the Device Control to deliver events to the application.
Installation and Configuration

Introduction

The Zebra CoreScanner daemon is a prerequisite component for the JPOS driver.

For CoreScanner installation instructions refer to the Installation & Configuration chapter in the Zebra Scanner SDK For Linux Developer’s Guide (p/n MN-003028-xx).

Install JPOS Driver with RPM Packages

The rpm command with "-i" option is used to install RPM packages. The zebra-scanner-corescanner package must be installed first, followed by the JPOS driver package.

```
# rpm -i <path>/zebra-scanner-corescanner-<version><build platform>.rpm
# rpm -i <path>/zebra-scanner-javapos-<version><build platform>.rpm
```

Install JPOS Driver with Debian Packages

The Debian command with "-i" option is used to install DEB packages. The zebra-scanner-corescanner package must be installed first followed by the JPOS driver package.

```
# dpkg -i <path>/zebra-scanner-corescanner-<version><build platform>.deb
# dpkg -i <path>/zebra-scanner-javapos-<version><build platform>.deb
```
Installed Components

After installing CoreScanner and JavaPOS, the files listed in Table 1 are installed to the system.

Table 1  Installed Files

<table>
<thead>
<tr>
<th>Installation Destination Directory</th>
<th>File</th>
<th>Module</th>
</tr>
</thead>
<tbody>
<tr>
<td>/lib/zebra-scanner/javapos/jni/</td>
<td>libcs-jniscanner.so[version]</td>
<td>JPOS-JNI library files</td>
</tr>
<tr>
<td></td>
<td>libcs-jniscanner.so</td>
<td></td>
</tr>
<tr>
<td></td>
<td>libcs-jniscale.so.[version]</td>
<td></td>
</tr>
<tr>
<td></td>
<td>libcs-jniscale.so</td>
<td></td>
</tr>
<tr>
<td>/lib/zebra-scanner/javapos/jpos/</td>
<td>xml-apis.jar</td>
<td>JPOS-Library files</td>
</tr>
<tr>
<td></td>
<td>xercesImpl.jar</td>
<td></td>
</tr>
<tr>
<td></td>
<td>JposServiceScanner.jar</td>
<td></td>
</tr>
<tr>
<td></td>
<td>JposServiceScale.jar</td>
<td></td>
</tr>
<tr>
<td></td>
<td>JposServiceOnScanner.jar</td>
<td></td>
</tr>
<tr>
<td></td>
<td>JposServiceOnScale.jar</td>
<td></td>
</tr>
<tr>
<td></td>
<td>JposServiceJniScanner.jar</td>
<td></td>
</tr>
<tr>
<td></td>
<td>JposServiceJniScale.jar</td>
<td></td>
</tr>
<tr>
<td></td>
<td>jpos113.jar</td>
<td></td>
</tr>
<tr>
<td>/var/log/zebra-scanner/jpos</td>
<td></td>
<td>JPOS log directory</td>
</tr>
<tr>
<td>/usr/share/zebra-scanner/javapos/xml/</td>
<td>jpos.xml</td>
<td>JPOS configuration files</td>
</tr>
<tr>
<td>/usr/share/zebra-scanner/javapos/config/</td>
<td>rsm-id.xml  rsm-id.dtd</td>
<td>JPOS configuration files</td>
</tr>
<tr>
<td></td>
<td>msijpos.properties</td>
<td></td>
</tr>
<tr>
<td>/usr/share/zebra-scanner/samples/jpos-sample-app</td>
<td>JposTest.jar  jpos-sample-app.sh</td>
<td>JPOS Sample application start scripts</td>
</tr>
<tr>
<td>/usr/share/zebra-scanner/samples/jpos-directio-app</td>
<td>JposTestDio.jar  jpos-directio-app.sh</td>
<td>JPOS direct ioapplication start scripts</td>
</tr>
</tbody>
</table>
Configuration

After a successful installation of the Zebra CoreScanner with the JPOS driver, an XML file named jpos.xml is created in the folder /usr/share/zebra-scanner/javapos/xml/. The Zebra Scanner JPOS Driver reads jpos.xml to retrieve required configurations such as scanner filtering rules to form the logical scanner defined by the user. Each tag defines a logical scanner. The following sample JPOSEntries represents USB IBM Table-Ttop, USB IBM Hand-held and USB SNAPI, All Scanners and Scale logical devices.

USB IBM Table-Top Scanners

```xml
<JposEntry logicalName="ZebraUSBTableTop">
  <creation factoryClass="com.zebra.jpos.service.scanner.SymScannerSvc112Factory"
  serviceClass="com.zebra.jpos.service.scanner.SymScannerSvc112"/>
  <vendor name="Zebra Technologies" url="http://www.zebra.com"/>
  <jpos category="Scanner" version="1.12"/>
  <product description="Zebra USB Scanner" name="Zebra Scanner"
  url="http://www.zebra.com"/>
  <!--Other non JavaPOS required properties-->
  <!--Comm port device name, must be 'USB' for USB scanner-->
  <prop name="port" value="USBIBMTT"/>
  <!--Scanner type, default=0, valid values are: 18944=TableTop(0x4A00)-->
  <prop name="ScannerType" value="18944"/>
</JposEntry>
```

USB IBM Hand-Held Scanners

```xml
<JposEntry logicalName="ZebraUSBHandHeld">
  <creation factoryClass="com.zebra.jpos.service.scanner.SymScannerSvc112Factory"
  serviceClass="com.zebra.jpos.service.scanner.SymScannerSvc112"/>
  <vendor name="Zebra Technologies" url="http://www.zebra.com"/>
  <jpos category="Scanner" version="1.12"/>
  <product description="Zebra USB Scanner" name="Zebra Scanner"
  url="http://www.zebra.com"/>
  <!--Other non JavaPOS required properties-->
  <!--Comm port device name, must be 'USB' for USB scanner-->
  <prop name="port" value="USBIBMHID"/>
  <!--Scanner type, default=0, valid values are: 19200=HandHeld(0x4B00)-->
  <prop name="ScannerType" value="19200"/>
</JposEntry>
```
USB SNAPI Scanners

```xml
<JposEntry logicalName="ZebraScannerSNAPI">
  <creation factoryClass="com.zebra.jpos.service.scanner.SymScannerSvc112Factory"
    serviceClass="com.zebra.jpos.service.scanner.SymScannerSvc112"/>
  <vendor name="Zebra Technologies" url="http://www.zebra.com"/>
  <jpos category="Scanner" version="1.12"/>
  <product description="Zebra SNAPI Scanner" name="Zebra Scanner"
    url="http://www.zebra.com"/>
  <!--Other non JavaPOS required properties-->
  <!--Comm port device name, must be 'USB' for USB scanner-->
  <prop name="port" value="SNAPI"/>
  <!--Scanner type, default=0, valid values are: 2 - SNAPI-->
  <prop name="ScannerType" value="2"/>
  <prop name="Code 39" value="False"/>
</JposEntry>
```

All Scanners

```xml
<JposEntry logicalName="ZebraAllScanners">
  <creation factoryClass="com.zebra.jpos.service.scanner.SymScannerSvc112Factory"
    serviceClass="com.zebra.jpos.service.scanner.SymScannerSvc112"/>
  <vendor name="Zebra Technologies" url="http://www.zebra.com"/>
  <jpos category="Scanner" version="1.13"/>
  <product description="Zebra Serial/USB Scanner" name="Zebra Scanner"
    url="http://www.zebra.com"/>
  <!--Scanner type, default=0, valid values are: 1- ALL Scanners-->
  <prop name="ScannerType" value="1"/>
</JposEntry>
```

Scale Device

```xml
<JposEntry logicalName="ZebraScale">
  <creation factoryClass="com.zebra.jpos.serviceonscale.SvcServiceInstanceFactoryImpl"
    serviceClass="com.zebra.jpos.service.scale.ScaleService113Impl"/>
  <vendor name="Zebra Technologies" url="http://www.zebra.com"/>
  <jpos category="Scale" version="1.13"/>
  <product description="Zebra Technologies" name="Zebra Scale"
    url="http://www.zebra.com"/>
</JposEntry>
```
Scanner Configuration Barcodes

Set Defaults

Scan the **Set All Defaults** barcode below to return all parameters to the scanner's default values. Refer to the scanners Product Reference Guide for default values.

![Set All Defaults Barcode]

USB Communication Protocol

Scan the appropriate barcode below to configure the scanner for the desired USB communication protocol.

**IBM Table-top USB**

![IBM Table-top USB Barcode]

**IBM Hand-held USB**

![IBM Hand-held USB Barcode]

**Symbol Native API (SNAPI) with Imaging Interface**

![Symbol Native API Barcode]
JPOS Properties, Methods, Events

Introduction

The following steps depict the behavioral model of the JPOS driver and scanner.

1. The scanner reads encoded data from a label.
2. When the Control receives input, it queues a DataEvent.
3. If the AutoDisable property is TRUE, the Control is disabled when a DataEvent is queued.
4. The Control can deliver a queued DataEvent to the application when the DataEventEnabled property is TRUE. Just before delivering this event, the Control copies the data into properties and disables further data events by setting the DataEventEnabled property to FALSE. This causes the Control to queue subsequent input data while the application processes the current input and associated properties. When the application finishes the current input and is ready for more data, it re-enables events by setting DataEventEnabled to TRUE.
5. The Control queues an ErrorEvent (or events) if it encounters an error while gathering or processing input, and delivers this to the application when the DataEventEnabled property is TRUE.
6. The DataCount property contains the number of DataEvents queued by the Control.
7. Call the ClearInput method to delete all input that the Control queued.

Scanned data is placed into the property ScanData. If the application sets the property DecodeData to TRUE, the data is decoded into ScanDataLabel and ScanDataType.

The following steps depict the behavioral model of the JPOS driver and scale:

1. The POS application calls the ReadWeight method in JPOS control.
2. When JPOS control receives the method call, it passes the request to the JPOS scale service and JPOS scale service passes that request to CoreScanner service.
3. The CoreScanner Service requests the weight data from the scale and reports it back up through the JPOS scale service to the JPOS control.

JPOS control returns the ReadWeight method with the weight data retrieved to the POS application.

Deviations from JPOS Specifications

When there is no scanner connected to a cordless base, the Zebra Scanner JPOS Driver considers the cordless base as a scanner. Therefore, a claim succeeds with a cordless base.
# Supported Feature Set

This section describes the supported feature set per the JPOS specification.

## Scanner Properties

### Table 2  Scanner Common Properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Version</th>
<th>Type</th>
<th>Access</th>
<th>May Use After</th>
<th>Zebra Driver Support</th>
</tr>
</thead>
<tbody>
<tr>
<td>AutoDisable</td>
<td>1.2</td>
<td>Boolean</td>
<td>R/W</td>
<td>Open</td>
<td>Supported</td>
</tr>
<tr>
<td>CapCompareFirmwareVersion</td>
<td>1.9</td>
<td>Boolean</td>
<td>R</td>
<td>Open</td>
<td>Supported</td>
</tr>
<tr>
<td>CapPowerReporting</td>
<td>1.3</td>
<td>Int32</td>
<td>R</td>
<td>Open</td>
<td>Supported</td>
</tr>
<tr>
<td>CapStatisticsReporting</td>
<td>1.8</td>
<td>Boolean</td>
<td>R</td>
<td>Open</td>
<td>Supported</td>
</tr>
<tr>
<td>CapUpdateFirmware</td>
<td>1.9</td>
<td>Boolean</td>
<td>R</td>
<td>Open</td>
<td>Supported</td>
</tr>
<tr>
<td>CapUpdateStatistics</td>
<td>1.8</td>
<td>Boolean</td>
<td>R</td>
<td>Open</td>
<td>Supported</td>
</tr>
<tr>
<td>CheckHealthText</td>
<td>1.0</td>
<td>String</td>
<td>R</td>
<td>Open</td>
<td>Not Supported</td>
</tr>
<tr>
<td>Claimed</td>
<td>1.0</td>
<td>Boolean</td>
<td>R/W</td>
<td>Open</td>
<td>Supported</td>
</tr>
<tr>
<td>DataCount</td>
<td>1.2</td>
<td>Int32</td>
<td>R</td>
<td>Open</td>
<td>Supported</td>
</tr>
<tr>
<td>DataEventEnabled</td>
<td>1.0</td>
<td>Boolean</td>
<td>R/W</td>
<td>Open</td>
<td>Supported</td>
</tr>
<tr>
<td>DeviceEnabled</td>
<td>1.0</td>
<td>Boolean</td>
<td>R/W</td>
<td>Open &amp; Claim</td>
<td>Supported</td>
</tr>
<tr>
<td>FreezeEvents</td>
<td>1.0</td>
<td>Boolean</td>
<td>R/W</td>
<td>Open</td>
<td>Supported</td>
</tr>
<tr>
<td>OpenResult</td>
<td>1.5</td>
<td>Long</td>
<td>R</td>
<td>N/A</td>
<td>Not Supported</td>
</tr>
<tr>
<td>PowerNotify</td>
<td>1.3</td>
<td>Long</td>
<td>R/W</td>
<td>Open</td>
<td>Not Supported</td>
</tr>
<tr>
<td>PowerState</td>
<td>1.3</td>
<td>Int32</td>
<td>R</td>
<td>Open</td>
<td>Not Supported</td>
</tr>
<tr>
<td>ResultCode</td>
<td>1.0</td>
<td>Long</td>
<td>R</td>
<td>N/A</td>
<td>Not Supported</td>
</tr>
<tr>
<td>ResultCodeExtended</td>
<td>1.0</td>
<td>Long</td>
<td>R</td>
<td>Open</td>
<td>Not Supported</td>
</tr>
<tr>
<td>State</td>
<td>1.0</td>
<td>Int32</td>
<td>R</td>
<td>N/A</td>
<td>Supported</td>
</tr>
<tr>
<td>DeviceControlObjectDescription</td>
<td>1.0</td>
<td>String</td>
<td>R</td>
<td>N/A</td>
<td>Supported</td>
</tr>
<tr>
<td>DeviceControlVersion</td>
<td>1.0</td>
<td>Int32</td>
<td>R</td>
<td>N/A</td>
<td>Supported</td>
</tr>
<tr>
<td>DeviceServiceDescription</td>
<td>1.0</td>
<td>String</td>
<td>R</td>
<td>Open</td>
<td>Supported</td>
</tr>
<tr>
<td>DeviceServiceVersion</td>
<td>1.0</td>
<td>Int32</td>
<td>R</td>
<td>Open</td>
<td>Supported</td>
</tr>
<tr>
<td>PhysicalDeviceDescription</td>
<td>1.0</td>
<td>String</td>
<td>R</td>
<td>Open</td>
<td>Supported</td>
</tr>
<tr>
<td>PhysicalDeviceName</td>
<td>1.0</td>
<td>String</td>
<td>R</td>
<td>Open</td>
<td>Supported</td>
</tr>
</tbody>
</table>
### JPOS Properties, Methods, Events

#### Table 3  Scanner Specific Properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Version</th>
<th>Type</th>
<th>Access</th>
<th>May User After</th>
<th>Zebra Driver Support</th>
</tr>
</thead>
<tbody>
<tr>
<td>DecodeData</td>
<td>1.2</td>
<td>Boolean</td>
<td>R/W</td>
<td>Open</td>
<td>Supported</td>
</tr>
<tr>
<td>ScanData</td>
<td>1.0</td>
<td>String</td>
<td>R</td>
<td>Open</td>
<td>Supported</td>
</tr>
<tr>
<td>ScanDataLabel</td>
<td>1.2</td>
<td>String</td>
<td>R</td>
<td>Open</td>
<td>Supported</td>
</tr>
<tr>
<td>ScanDataType</td>
<td>1.2</td>
<td>String</td>
<td>R</td>
<td>Open</td>
<td>Supported</td>
</tr>
</tbody>
</table>

#### Scanner Methods

#### Table 4  Scanner Common Methods

<table>
<thead>
<tr>
<th>Method</th>
<th>Version</th>
<th>May User After</th>
<th>Zebra Driver Support</th>
</tr>
</thead>
<tbody>
<tr>
<td>open</td>
<td>1.0</td>
<td>N/A</td>
<td>Supported</td>
</tr>
<tr>
<td>close</td>
<td>1.0</td>
<td>Open</td>
<td>Supported</td>
</tr>
<tr>
<td>claim</td>
<td>1.0</td>
<td>Open</td>
<td>Supported</td>
</tr>
<tr>
<td>release</td>
<td>1.0</td>
<td>Open and Claim</td>
<td>Supported</td>
</tr>
<tr>
<td>checkHealth</td>
<td>1.0</td>
<td>Open, Claim and Enable</td>
<td>Supported</td>
</tr>
<tr>
<td>clearInput</td>
<td>1.0</td>
<td>Open and Claim</td>
<td>Supported</td>
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<td>clearInputProperties</td>
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<td>directIO</td>
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<td>compareFirmwareVersion</td>
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<td>Open, Claim and Enable</td>
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</tr>
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<td>resetStatistic</td>
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<td>retrieveStatistics</td>
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<td>Open, Claim and Enable</td>
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<tr>
<td>updateFirmware</td>
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#### Scanner Events

#### Table 5  Scanner Events

<table>
<thead>
<tr>
<th>Event</th>
<th>Version</th>
<th>May User After</th>
<th>Zebra Driver Support</th>
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<tbody>
<tr>
<td>DataEvent</td>
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<td>DirectIOEvent</td>
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<td>ErrorEvent</td>
<td>1.0</td>
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### Scale Properties

#### Table 6  Scale Common Properties

<table>
<thead>
<tr>
<th>Property</th>
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<td>CapPowerReporting</td>
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<td>Int32</td>
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<td>CapStatisticsReporting</td>
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<td>Supported</td>
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<td>CapUpdateFirmware</td>
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#### Table 7  Scale Specific Properties

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<tr>
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<tr>
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Table 7  Scale Specific Properties (Continued)

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<td>Not Supported</td>
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<td>Not Supported</td>
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<td>TareWeight</td>
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<td>R/W</td>
<td>Open, Claim and Enable</td>
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Scale Methods

Table 8  Scale Common Methods

<table>
<thead>
<tr>
<th>Method</th>
<th>Version</th>
<th>May Use After</th>
<th>Zebra Scanner Support</th>
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</thead>
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<tr>
<td>open</td>
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<td>close</td>
<td>1.0</td>
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<td>Supported</td>
</tr>
<tr>
<td>claim</td>
<td>1.0</td>
<td>Open</td>
<td>Supported</td>
</tr>
<tr>
<td>release</td>
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<td>Open and Claim</td>
<td>Supported</td>
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<tr>
<td>checkHealth</td>
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<td>Open, Claim and Enable</td>
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</table>
### Table 8  Scale Common Methods (Continued)

<table>
<thead>
<tr>
<th>Method</th>
<th>Version</th>
<th>May User After</th>
<th>Zebra Scanner Support</th>
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</thead>
<tbody>
<tr>
<td>clearInput</td>
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<td>Supported</td>
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<tr>
<td>clearInputProperties</td>
<td>1.10</td>
<td>Open and Claim</td>
<td>Supported</td>
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<tr>
<td>directIO</td>
<td>1.0</td>
<td>Open</td>
<td>Supported</td>
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<tr>
<td>compareFirmwareVersion</td>
<td>1.9</td>
<td>Open, Claim and Enable</td>
<td>Not Supported</td>
</tr>
<tr>
<td>resetStatistic</td>
<td>1.8</td>
<td>Open, Claim and Enable</td>
<td>Supported</td>
</tr>
<tr>
<td>retrieveStatistics</td>
<td>1.8</td>
<td>Open, Claim and Enable</td>
<td>Supported</td>
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<tr>
<td>updateFirmware</td>
<td>1.9</td>
<td>Open, Claim and Enable</td>
<td>Not Supported</td>
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<tr>
<td>updateStatistics</td>
<td>1.8</td>
<td>Open, Claim and Enable</td>
<td>Supported</td>
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### Table 9  Scale Specific Methods

<table>
<thead>
<tr>
<th>Method</th>
<th>Version</th>
<th>May User After</th>
<th>Zebra Driver Support</th>
</tr>
</thead>
<tbody>
<tr>
<td>displayText</td>
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</tr>
<tr>
<td>doPriceCalculating</td>
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<td>Open, Claim and Enable</td>
<td>Not Supported</td>
</tr>
<tr>
<td>freezeValue</td>
<td>1.14</td>
<td>Open, Claim and Enable</td>
<td>Not Supported</td>
</tr>
<tr>
<td>readLiveWeightWithTare</td>
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<td>Open, Claim and Enable</td>
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</tr>
<tr>
<td>readWeight</td>
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<td>Supported</td>
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<tr>
<td>setPriceCalculationMode</td>
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<td>Open, Claim and Enable</td>
<td>Not Supported</td>
</tr>
<tr>
<td>setSpecialTare</td>
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<td>Open, Claim and Enable</td>
<td>Not Supported</td>
</tr>
<tr>
<td>setTarePriority</td>
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<td>Open, Claim and Enable</td>
<td>Not Supported</td>
</tr>
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<td>setUnitPriceWithWeightUnit</td>
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<td>Open, Claim and Enable</td>
<td>Not Supported</td>
</tr>
<tr>
<td>zeroScale</td>
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<td>Open, Claim and Enable</td>
<td>Supported</td>
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</tbody>
</table>

### Scale Events

### Table 10  Scale Events

<table>
<thead>
<tr>
<th>Event</th>
<th>Version</th>
<th>May User After</th>
<th>Zebra Driver Support</th>
</tr>
</thead>
<tbody>
<tr>
<td>DataEvent</td>
<td>1.0</td>
<td>Open, Claim and Enable</td>
<td>Supported</td>
</tr>
<tr>
<td>DirectIOEvent</td>
<td>1.0</td>
<td>Open and Claim</td>
<td>Not Supported</td>
</tr>
<tr>
<td>ErrorEvent</td>
<td>1.0</td>
<td>Open, Claim and Enable</td>
<td>Supported</td>
</tr>
<tr>
<td>StatusUpdateEvent</td>
<td>1.3</td>
<td>Open, Claim and Enable</td>
<td>Not Supported</td>
</tr>
</tbody>
</table>
Sample Application

Introduction

The Zebra Scanner JPOS Driver suite includes a sample application that demonstrates all the JPOS operations on connected Zebra scanner and scale devices.

JPOS Sample Application (JavaPOStester)

The JPOS Test Utility allows to simulate an application communicating with the Zebra Scanner JPOS Driver. This utility displays scanner and scale data received from the devices through the Zebra Scanner SDK.

JavaPOStester Scanner Functionality

Viewing Barcode Data

To view barcode data using the Scanner JavaPOStester:

1. Scan the IBM Hand-held USB barcode or Symbol Native API (SNAPI) with Imaging Interface barcode on page 15 to configure the scanner for the correct communication protocol.
2. Open a terminal, go to the /usr/share/zebra-scanner/samples/jpos-sample-app folder, and type 
   `# ./jpos-sample-app.sh` to launch the Scanner JavaPOStester.
3. Enter the logical name of the scanner and select Open.

Figure 1  JPOS Sample App Scanner Tab
4. From the JPOS Sample App Scanner tab select **Claim**.
5. Select the **Data event enabled** check box.
6. Select the **Auto Data Event enabled** check box.
7. Select the **Device enabled** check box.
8. Select the **Decode data** check box.
9. Scan the following sample barcode:

![UPC-A Barcode]

10. The processed driver barcode data displays in the **Scan Data**, **Scan Data Type**, and **Scan Data Label** boxes.

**Figure 2** Processed Driver Barcode Data

11. Select **Clear Fields** to clear the data from all three boxes.
12. To perform a second test, scan another barcode.
JavaPOStester Scale Functionality

Measuring the Weight of an Item

To measure the weight of an item using the Scanner JavaPOStester:

1. Scan the IBM Hand-held USB barcode, IBM Table-top USB barcode or Symbol Native API (SNAPI) with Imaging Interface barcode on page 15 to configure the scanner for the correct communication protocol.

2. Open a terminal, go to the /usr/share/zebra-scanner/samples/jpos-sample-app folder, and type 
   
   # ./jpos-sample-app.sh

   to launch the Scanner JavaPOStester.

3. Select the Scale tab.

4. Enter the logical name of the scale and select Open.

Figure 3  JPOS Sample App Scale Tab

5. From the JPOS Sample App Scale tab select Claim.

6. Select the Device enabled check box.

7. Place an item on the scale platter.

8. Select the Read Weight button. The item’s weight displays in the adjoining text box.

9. To measure the weight of another item, remove any items on the platter and place the new item on the scale; select the Read Weight button.

10. Select Release to release the claimed device.

11. Select Close to close the logical device.
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