

How to install the Star JavaPOS Driver for Linux

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Environments

Depending on your environment, follow the procedures below.

OS	Ubunts16.04 LTS (Desktop image) 64bit
JDK version	1.8.0.171
StarJavaPOSDriver	starjavapos_1.13.10_linux_64bit_20160621.zip
Printer	TSP700II
Interface	USB Printer Class
Sample program	StarReceiptTest.java

Precedure

Install the Star JavaPOS Driver with the following procedure.

1. Install Ubuntu 16.04LTS (Desktop image)
2. Download JDK (Java Development Kit)
3. Copy JDK
4. Set environment variables
5. Download the StarJavaPOS Driver package
6. Install StarIO
7. JavaPOS Driver settings
8. Execute a sample program

1. Install Ubuntu 16.04LTS (Desktop image)

1.1 Download "Ubuntu 16.04LTS, Desktop image" from the following URL.

URL: <http://releases.ubuntu.com/16.04/>

1.2 Install it with default settings.

2. Download JDK (Java Development Kit).

2.1 Download Linux JDK from the following URL.

URL: <http://www.oracle.com/technetwork/java/javase/downloads/jdk8-downloads-2133151.html>

32bit	jdk-8u181-linux-i586.tar.gz
64bit	jdk-8u181-linux-x64.tar.gz

3. Copy JDK

3.1 Execute a terminal.

3.2 Input the commands below.

```
sudo mkdir /usr/java
cd /usr/java
sudo cp /home/USERNAME/Downloads/jdk-8u171-linux-x64.tar.gz .
sudo tar xzvf jdk-8u171-linux-x64.tar.gz
```

* You can verify USERNAME using (whoami) command.

3.3 Close a terminal

4. Set environment variables

4.1 Execute a terminal.

4.2 Input the command below.

```
sudo gedit .bashrc
```

4.3 Input the commands below at the end of the .bashrc file.

```
export JAVA_HOME=/usr/java/jdk1.8.0_171  
export PATH=$PATH:$JAVA_HOME/bin
```

4.4 Close a terminal.

4.5 Reboot the PC.

5. Download the StarJavaPOS Driver package.

5.1 Download the appropriate StarJavaPOSDriver package depending on your environment and printer model.

6. Install StarIO

- 6.1 Decompress the StarJavaPOS Driver package.
- 6.2 Execute a terminal.
- 6.3 Move to the compressed StarJavaPOSDriver folder on a terminal using cd commands.
- 6.4 Move to the folder below using cd commands.

32bit	StarIOPort_Install_x32 or IOPortConnection_Install_x32
64bit	StarIOPort_Install_x64 or IOPortConnection_Install_x64

- 6.5 Input the commands below.

```
chmod +x install.sh  
sudo ./install.sh
```

- 6.6 Close a terminal.

7. JavaPOS Driver settings

- 7.1 Refer to the Star JavaPOS Driver Software Manual, "4. JavaPOS Driver Settings", edit "jpos.xml" for your printer and interface.
- 7.2 Save the jpos.xml file after editing.

8. Execute a sample program.

8.1 Refer to the Star JavaPOS Driver Software Manual, "5. Sample Program", edit the files below.

POSPrinter	StarReceiptTest.java
CashDrawer	StarCashDrawerTest.java
MICR	StarSlipTest.java

ex) : In case of TSP700II, USB PrinterClass or "StarReceiptTest.java",

Change the 96th line in "StarReceiptTest.java" file as shown below.

```
printer.open("POSPrinter_linux_usb_printer_class");
```

8.2 Save the file after editing.

8.3 Execute a terminal.

8.4 Move to the folder where "jpos.xml" file is stored on a terminal using cd commands.

8.5 Input the commands below.

32bit	
①	<code>javac -classpath jpos113-controls.jar:jcl.jar StarReceiptTest.java</code>
②	<code>java -classpath ../starjavapos.jar:stario.jar:commandemulator.jar:jpos113-controls.jar:jcl.jar:xercesimpl.jar:xml-apis.jar StarReceiptTest</code> or <code>sudo /usr/java/jdk1.8.0_171/bin/java -classpath ../starjavapos.jar:stario.jar:commandemulator.jar:jpos113-controls.jar:jcl.jar:xercesimpl.jar:xml-apis.jar StarReceiptTest</code>
64bit	
①	<code>javac -classpath jpos113-controls.jar:jcl.jar StarReceiptTest.java</code>
②	<code>java -classpath ../starjavapos.jar:stario.jar:jpos113-controls.jar:jcl.jar:xercesimpl.jar:xml-apis.jar StarReceiptTest</code> or <code>sudo /usr/java/jdk1.8.0_171/bin/java -classpath ../starjavapos.jar:stario.jar:commandemulator.jar:jpos113-controls.jar:jcl.jar:xercesimpl.jar:xml-apis.jar StarReceiptTest</code>

The procedure is complete.



URL: <http://www.star-m.jp>