

Point of Sale Subsystem



# JavaPOS Fiscal Printer for Greece

## ***Installation instructions***

To use the FiscalPrinter service, specific for IBM 4610 printers, the following elements must be present on the system:

- **jpos.xml**, modified according to the following description

## ***JavaPOS configuration***

### **Creating base jpos.xml file**

Create the base jpos.xml following the instructions from "UnifiedPOS User's Guide, Keyboards, and Code Pages" at chapter 3

### **Adding Greece Fiscal Printer JposEntry**

To create a jpos.xml file using your favorite text editor, follow these steps:

1. Open the base jpos.xml created in previous steps
2. Copy from the sample XML file the JposEntry with "FiscalPrinter Greece" logical name to the jpos.xml
3. Edit the directIOJposEntryLogicalName property and update the value with the specific logical name of the fiscal printer to use from the base JposEntry

For Example:

```
<prop name="directIOJposEntryLogicalName" type="String"
value="BaseFiscalPrinter"/>
```

## Available properties and methods

### Common properties

| Properties                          | Availability  | Value   |
|-------------------------------------|---------------|---|
| <b>getAutoDisable</b>               | Not supported | -   |
| <b>setAutoDisable</b>               | Not supported | -   |
| <b>getCapCompareFirmwareVersion</b> | Supported     | Pass-through IBM property (False)                       |
| <b>getCapPowerReporting</b>         | Supported     | Pass-through IBM property (JPOS_PR_STANDARD)            |
| <b>getCapStatisticsReporting</b>    | Supported     | Pass-through IBM property (True)                        |
| <b>getCapUpdateFirmware</b>         | Supported     | Pass-through IBM property (False)                       |
| <b>getCapUpdateStatistics</b>       | Supported     | Pass-through IBM property (False)                       |
| <b>getCheckHealthText</b>           | Supported     | Pass-through IBM property (String)                      |
| <b>getClaimed</b>                   | Supported     | Pass-through IBM property (True/False)                  |
| <b>getDataCount</b>                 | Not supported | -   |
| <b>getDatEventEnabled</b>           | Not supported | -   |
| <b>setDatEventEnabled</b>           | Not supported | -   |
| <b>getDeviceEnabled</b>             | Supported     | Pass-through IBM property (True/False)                  |
| <b>setDeviceEnabled</b>             | Supported     |   |
| <b>getDeviceControlDescription</b>  | Supported     | Pass-through IBM property (String)                      |
| <b>getDeviceControlVersion</b>      | Supported     | Pass-through IBM property (int)                         |
| <b>getDeviceServiceDescription</b>  | Supported     | Pass-through IBM property + " - Greece Plugin" (String) |
| <b>getDeviceServiceVersion</b>      | Supported     | Pass-through IBM property (int)                         |
| <b>getFreezeEvents</b>              | Supported     | Pass-through IBM property (True/False)                  |
| <b>setFreezeEvents</b>              | Supported     | Pass-through IBM property                               |
| <b>getOutputID</b>                  | Supported     | Pass-through IBM property (JPOS_E_ILLEGAL)              |
| <b>getPhysicalDeviceDescription</b> | Supported     | Pass-through IBM property (String)                      |
| <b>getPhysicalDeviceName</b>        | Supported     | Pass-through IBM property (String)                      |
| <b>getPowerNotify</b>               | Supported     | Pass-through IBM property (int)                         |
| <b>setPowerNotify</b>               | Not supported | Pass-through IBM property (JPOS_E_ILLEGAL)              |
| <b>getPowerState</b>                | Supported     | Pass-through IBM property (int)                         |
| <b>getState</b>                     | Supported     | Pass-through IBM property (int)                         |

## Specific properties

| Properties                         | Availability  | Value                                      |
|------------------------------------|---------------|--|
| <b>getActualCurrency</b>           | Not supported | Pass-through IBM property (JPOS_E_ILLEGAL) |
| <b>getAdditionalHeader</b>         | Not supported | Pass-through IBM property (JPOS_E_ILLEGAL) |
| <b>setAdditionalHeader</b>         | Not supported | Pass-through IBM property (JPOS_E_ILLEGAL) |
| <b>getAdditionalTrailer</b>        | Not supported | Pass-through IBM property (JPOS_E_ILLEGAL) |
| <b>setAdditionalTrailer</b>        | Not supported | Pass-through IBM property (JPOS_E_ILLEGAL) |
| <b>getAmountDecimalPlaces</b>      | Supported     | 2 (int)                                    |
| <b>getAsyncMode</b>                | Supported     | False                                      |
| <b>setAsyncMode</b>                | Not supported | Pass-through IBM property (JPOS_E_ILLEGAL) |
| <b>getCapAdditionalHeader</b>      | Supported     | False                                      |
| <b>getCapAdditionalLines</b>       | Supported     | False                                      |
| <b>getCapAdditionalTrailer</b>     | Supported     | False                                      |
| <b>getCapAmountAdjustment</b>      | Supported     | True                                       |
| <b>getCapAmountNotPaid</b>         | Supported     | False                                      |
| <b>getCapChangeDue</b>             | Supported     | False                                      |
| <b>getCapCheckTotal</b>            | Supported     | True                                       |
| <b>getCapCoverSensor</b>           | Supported     | True                                       |
| <b>getCapDoubleWidth</b>           | Supported     | True                                       |
| <b>getCapDuplicateReceipt</b>      | Supported     | False                                      |
| <b>getCapEmptyReceiptsVoidable</b> | Supported     | True                                       |
| <b>getCapFiscalReceiptStation</b>  | Supported     | True                                       |
| <b>getCapFiscalReceiptType</b>     | Supported     | True                                       |
| <b>getCapFixedOutput</b>           | Supported     | False                                      |
| <b>getCapHasVatTable</b>           | Supported     | True                                       |
| <b>getCapIndependentHeader</b>     | Supported     | False                                      |
| <b>getCapItemList</b>              | Supported     | False                                      |
| <b>getCapJrnEmptySensor</b>        | Supported     | True                                       |
| <b>getCapJrnNearEndSensor</b>      | Supported     | False                                      |
| <b>getCapJrnPresent</b>            | Supported     | True                                       |
| <b>getCapMultiContractor</b>       | Supported     | False                                      |

|   |           |       |
|---|-----------|-------|
| <b>getCapNonFiscalMode</b>              | Supported | True  |
| <b>getCapOnlyVoidLastItem</b>           | Supported | False |
| <b>getCapOrderAdjustmentFirst</b>       | Supported | False |
| <b>getCapPackageAdjustment</b>          | Supported | False |
| <b>getCapPercentAdjustment</b>          | Supported | False |
| <b>getCapPositiveAdjustment</b>         | Supported | True  |
| <b>getCapPositiveSubtotalAdjustment</b> | Supported | True  |
| <b>getCapPostPreLine</b>                | Supported | False |
| <b>getCapPowerLossReport</b>            | Supported | False |
| <b>getCapPredefinedPaymentLines</b>     | Supported | False |
| <b>getCapReceiptNotPaid</b>             | Supported | False |
| <b>getCapRecEmptySensor</b>             | Supported | True  |
| <b>getCapRecNearEndSensor</b>           | Supported | False |
| <b>getCapRecPresent</b>                 | Supported | True  |
| <b>getCapRemainingFiscalMemory</b>      | Supported | False |
| <b>getCapReservedWord</b>               | Supported | False |
| <b>getCapSetCurrency</b>                | Supported | False |
| <b>getCapSetHeader</b>                  | Supported | True  |
| <b>getCapSetPOSID</b>                   | Supported | True  |
| <b>getCapSetStoreFiscalID</b>           | Supported | False |
| <b>getCapSetTrailer</b>                 | Supported | False |
| <b>getCapSetVatTable</b>                | Supported | True  |
| <b>getCapSlpEmptySensor</b>             | Supported | True  |
| <b>getCapSlpFiscalDocument</b>          | Supported | False |
| <b>getCapSlpFullSlip</b>                | Supported | True  |
| <b>getCapSlpNearEndSensor</b>           | Supported | False |
| <b>getCapSlpPresent</b>                 | Supported | True  |
| <b>getCapSlpValidation</b>              | Supported | False |
| <b>getCapSubAmountAdjustment</b>        | Supported | True  |
| <b>getCapSubPercentAdjustment</b>       | Supported | False |
| <b>getCapSubtotal</b>                   | Supported | True  |

|                                |               |  |
|--------------------------------|---------------|--|
| <b>getCapTotalizerType</b>     | Supported     | True   |
| <b>getCapTrainingMode</b>      | Supported     | False  |
| <b>getCapValidateJournal</b>   | Supported     | False  |
| <b>getCapXReport</b>           | Supported     | True   |
| <b>getChangeDue</b>            | Not supported | Pass-through IBM property (JPOS_E_ILLEGAL)               |
| <b>setChangeDue</b>            | Not supported | Pass-through IBM property (JPOS_E_ILLEGAL)               |
| <b>getCheckTotal</b>           | Supported     | True   |
| <b>setCheckTotal</b>           | Not supported | Pass-through IBM property (JPOS_E_ILLEGAL)               |
| <b>getContractorId</b>         | Not supported | Pass-through IBM property (JPOS_E_ILLEGAL)               |
| <b>setContractorId</b>         | Not supported | Pass-through IBM property (JPOS_E_ILLEGAL)               |
| <b>getCountryCode</b>          | Supported     | FPTR_CC_GREECE   |
| <b>getCoverOpen</b>            | Supported     | True / False   |
| <b>getDateType</b>             | Supported     | FPTR_DT_RTC / FPTR_DT_START                              |
| <b>setDateType</b>             | Supported     |  |
| <b>getDayOpened</b>            | Supported     | True / False   |
| <b>getDescriptionLength</b>    | Supported     | 38 (int)   |
| <b>getDuplicateReceipt</b>     | Not supported | Pass-through IBM property (JPOS_E_ILLEGAL)               |
| <b>setDuplicateReceipt</b>     | Not supported | Pass-through IBM property (JPOS_E_ILLEGAL)               |
| <b>getErrorLevel</b>           | Supported     | FPTR_EL_NONE   |
| <b>getErrorOutID</b>           | Not supported | Pass-through IBM property (JPOS_E_ILLEGAL)               |
| <b>getErrorState</b>           | Not supported | Pass-through IBM property (JPOS_E_ILLEGAL)               |
| <b>getErrorStation</b>         | Not supported | Pass-through IBM property (JPOS_E_ILLEGAL)               |
| <b>getErrorString</b>          | Not supported | Pass-through IBM property (JPOS_E_ILLEGAL)               |
| <b>getFiscalReceiptStation</b> | Supported     | FPTR_RS_RECEIPT  |
| <b>setFiscalReceiptStation</b> | Not supported | Pass-through IBM property (JPOS_E_ILLEGAL)               |
| <b>getFiscalReceiptType</b>    | Supported     | FPTR_RT_SALES /<br>FPTR_RT_CASH_IN /<br>FPTR_RT_CASH_OUT |
| <b>setFiscalReceiptType</b>    | Supported     |  |
| <b>getFlagWhenIdle</b>         | Not supported | Pass-through IBM property (JPOS_E_ILLEGAL)               |
| <b>setFlagWhenIdle</b>         | Not supported | Pass-through IBM property (JPOS_E_ILLEGAL)               |
| <b>getJrnEmpty</b>             | Supported     | True/False   |
| <b>getJrnNearEnd</b>           | Supported     | False  |

|                                  |               |   |
|----------------------------------|---------------|---|
| <b>getMessageLength</b>          | Supported     | 0 (int)   |
| <b>getMessageType</b>            | Not supported | Pass-through IBM property (JPOS_E_ILLEGAL)  |
| <b>setMessageType</b>            | Not supported | Pass-through IBM property (JPOS_E_ILLEGAL)  |
| <b>getNumHeaderLines</b>         | Supported     | 6 (int)   |
| <b>getNumTrailerLines</b>        | Not supported | 0 (int)   |
| <b>getNumVatRates</b>            | Supported     | 5 (int)   |
| <b>getPostLine</b>               | Not supported | Pass-through IBM property (JPOS_E_ILLEGAL)  |
| <b>setPostLine</b>               | Not supported | Pass-through IBM property (JPOS_E_ILLEGAL)  |
| <b>getPredefinedPaymentLines</b> | Not supported | Pass-through IBM property (JPOS_E_ILLEGAL)  |
| <b>getPreLine</b>                | Not supported | Pass-through IBM property (JPOS_E_ILLEGAL)  |
| <b>setPreLine</b>                | Not supported | Pass-through IBM property (JPOS_E_ILLEGAL)  |
| <b>getPrinterState</b>           | Supported     | FPTR_PS_MONITOR /<br>FPTR_PS_FISCAL_RECEIPT /<br>FPTR_PSFISCAL_RECEIPT_TOTAL /<br>FPTR_PSFISCAL_RECEIPT_ENDING<br>/ FPTR_PS_NONFISCAL                           |
| <b>getQuantityDecimalPlaces</b>  | Supported     | 3 (int)   |
| <b>getQuantityLength</b>         | Supported     | 7 (int)   |
| <b>getRecEmpty</b>               | Supported     | True / False  |
| <b>getRecNearEnd</b>             | Supported     | False   |
| <b>getRemainingFiscalMemory</b>  | Not supported | Pass-through IBM property (JPOS_E_ILLEGAL)  |
| <b>getReservedWord</b>           | Not supported | Pass-through IBM property (JPOS_E_ILLEGAL). <b>Messages: ApOdEIjH , AllAgH , dIOPuvsh , KOYpONI , EkpTvsH , AyjHsH are not allowed to be use as description</b> |
| <b>getSlpEmpty</b>               | Supported     | True / False  |
| <b>getSlpNearEnd</b>             | Supported     | False   |
| <b>getSlipSelection</b>          | Supported     | FPTR_SS_FULL_LENGTH   |
| <b>setSlipSelection</b>          | Not supported | Pass-through IBM property (JPOS_E_ILLEGAL)  |
| <b>getTotalizerType</b>          | Supported     | FPTR_TT_DAY /<br>FPTR_TT_RECEIPT /<br>FPTR_TT_GRAND   |
| <b>setTotalizerType</b>          | Supported     | (FPTR_TT_DOCUMENT not supported)  |
| <b>getTrainingModeActive</b>     | Supported     | False   |

## Common methods

| Methods                       | Availability  | Notes   |
|-------------------------------|---------------|---|
| <b>checkHealth</b>            | Supported     | Pass-through IBM method                                   |
| <b>claim</b>                  | Supported     | Pass-through IBM method                                   |
| <b>clearInput</b>             | Not supported | -   |
| <b>clearOutput</b>            | Not supported | Pass-through IBM method (JPOS_E_ILLEGAL)                  |
| <b>close</b>                  | Supported     | Pass-through IBM method                                   |
| <b>compareFirmwareVersion</b> | Supported     | Pass-through IBM method (JPOS_E_ILLEGAL)                  |
| <b>directIO</b>               | Supported     | Pass-through IBM method (FISCAL_WRITE through the driver) |
| <b>open</b>                   | Supported     | Pass-through IBM method                                   |
| <b>release</b>                | Supported     | Pass-through IBM method                                   |
| <b>resetStatistics</b>        | Not supported | Pass-through IBM method (JPOS_E_ILLEGAL)                  |
| <b>retrieveStatistics</b>     | Not supported | Pass-through IBM method (JPOS_E_ILLEGAL)                  |
| <b>updateFirmware</b>         | Not supported | Pass-through IBM method (JPOS_E_ILLEGAL)                  |
| <b>updateStatistics</b>       | Not supported | Pass-through IBM method (JPOS_E_ILLEGAL)                  |



## Specific methods

| Methods                           | Availability  | Notes  |
|-----------------------------------|---------------|--|
| <b>setCurrency</b>                | Not supported | JPOS_E_ILLEGAL   |
| <b>setDate</b>                    | Not supported | JPOS_E_ILLEGAL   |
| <b>setHeaderLine</b>              | Supported     | <b>IMPORTANT: To send header lines to FM, use <code>setHeaderLine(0,"",true)</code>. To set Items Table use <code>setHeaderLine(99,"",true)</code></b> |
| <b>setPOSID</b>                   | Supported     | This method can be called while DayOpened is false. The text will be lost across power losses.   |
| <b>setStoreFiscalID</b>           | Not supported | JPOS_E_ILLEGAL   |
| <b>setTrailerLine</b>             | Not supported | JPOS_E_ILLEGAL   |
| <b>setVatTable</b>                | Supported     | ALL the 5 VAT value must be set (method <code>setVatValue()</code> ) before using this method  |
| <b>setVatValue</b>                | Supported     | VAT rate field can range from "0000" to "9999"   |
| <b>beginFiscalReceipt</b>         | Supported     | The header lines are ALWAYS printed at this time. This method DOESN'T start the Fiscal Day or the sale transaction.                                    |
| <b>endFiscalReceipt</b>           | Supported     | The header of the next receipt will NOT be printed. No cut   |
| <b>printDuplicateReceipt</b>      | Not supported | JPOS_E_ILLEGAL   |
| <b>printRecCash</b>               | Supported     | The Printer state must be Monitor. It's a NON fiscal receipt.  |
| <b>printRecItem</b>               | Supported     | unitName parameter not considered  |
| <b>printRecItemAdjustment</b>     | Supported     | ALWAYS 2 decimal places are used   |
| <b>printRecItemAdjustmentVoid</b> | Supported     | ALWAYS 2 decimal places are used   |
| <b>printRecItemFuel</b>           | Not supported | JPOS_E_ILLEGAL   |
| <b>printRecItemFuelVoid</b>       | Not supported | JPOS_E_ILLEGAL   |
| <b>printRecItemRefund</b>         | Supported     | UnitName parameter not considered  |
| <b>printRecItemRefundVoid</b>     | Supported     | UnitName parameter not considered  |
| <b>printRecItemVoid</b>           | Supported     | UnitName parameter not considered  |
| <b>printRecMessage</b>            | Not supported | JPOS_E_ILLEGAL   |
| <b>printRecNotPaid</b>            | Not supported | JPOS_E_ILLEGAL   |
| <b>printRecPackageAdjustment</b>  | Not supported | JPOS_E_ILLEGAL   |
| <b>printRecPackageAdjustVoid</b>  | Not supported | JPOS_E_ILLEGAL   |
| <b>printRecRefund</b>             | Supported     |  |
| <b>printRecRefundVoid</b>         | Supported     |  |

|                                   |               |   |
|-----------------------------------|---------------|---|
| <b>printRecSubtotal</b>           | Supported     |   |
| <b>printRecSubtotalAdjustment</b> | Supported     | ALWAYS 2 decimal places are used.<br><b>ALWAYS printRecSubtotal() must be sent before</b>                         |
| <b>printRecSubtotalAdjustVoid</b> | Supported     | ALWAYS 2 decimal places are used.<br><b>ALWAYS printRecSubtotal() must be sent before</b>                         |
| <b>printRecTaxID</b>              | Not supported | JPOS_E_ILLEGAL  |
| <b>printRecTotal</b>              | Supported     |   |
| <b>printRecVoid</b>               | Supported     | The description parameter is not considered. The PrinterState property will be changed to FPTR_PS_MONITOR. No cut |
| <b>printRecVoidItem</b>           | Supported     | Quantity, adjustmentType and adjustment parameters are not considered   |
| <b>beginFiscalDocument</b>        | Not supported | JPOS_E_ILLEGAL  |
| <b>endFiscalDocument</b>          | Not supported | JPOS_E_ILLEGAL  |
| <b>printFiscalDocumentLine</b>    | Not supported | JPOS_E_ILLEGAL  |
| <b>beginItemList</b>              | Not supported | JPOS_E_ILLEGAL  |
| <b>endItemList</b>                | Not supported | JPOS_E_ILLEGAL  |
| <b>verifyItem</b>                 | Not supported | JPOS_E_ILLEGAL  |
| <b>printPeriodicTotalsReport</b>  | Supported     |   |
| <b>printPowerLossReport</b>       | Not supported | JPOS_E_ILLEGAL  |
| <b>printReport</b>                | Supported     | To print all the Fiscal Memory, set reportType to 0.  |
| <b>printXReport</b>               | Supported     |   |
| <b>printZReport</b>               | Supported     |   |
| <b>beginInsertion</b>             | Supported     | Timeout parameter not considered  |
| <b>beginRemoval</b>               | Supported     | Timeout parameter not considered  |
| <b>endInsertion</b>               | Not supported | JPOS_E_ILLEGAL  |
| <b>endRemoval</b>                 | Not supported | JPOS_E_ILLEGAL  |
| <b>beginFixedOutput</b>           | Not supported | JPOS_E_ILLEGAL  |
| <b>beginNonFiscal</b>             | Supported     | If cover is open or rec is empty, no error is returned  |
| <b>beginTrainig</b>               | Not supported | JPOS_E_ILLEGAL  |
| <b>endFixedOutput</b>             | Not supported | JPOS_E_ILLEGAL  |
| <b>endNonFiscal</b>               | Supported     | No cut  |
| <b>endTraining</b>                | Not supported | JPOS_E_ILLEGAL  |
| <b>printFixedOutput</b>           | Not supported | JPOS_E_ILLEGAL  |

|                     |               |  |
|---------------------|---------------|--|
| <b>printNormal</b>  | Supported     |  |
| <b>getData</b>      | Supported     | If first parameter (dataItem) is set to 800, cut the receipt |
| <b>getDate</b>      | Supported     |  |
| <b>getTotalizer</b> | Supported     |  |
| <b>getVatEntry</b>  | Supported     |  |
| <b>clearError</b>   | Not supported | JPOS_E_ILLEGAL   |
| <b>resetPrinter</b> | Supported     | No cut   |