



Application Programming Guide OPOS Driver

Rev. 2.14

**STP-103 / STP-103II / STP-131
SRP-270 / SRP-275 / SRP-275II
SRP-280 / SRP-330 / SRP-340
SRP-350 / SRP-350N
SRP-350II / SRP-350IIK
SRP-350III / SRP-352III
SRP-350plus / SRP-350plusF
SRP-352plus / SRP-350plusII
SRP-352plusII / SRP-350plusIII
SRP-352plusII / SRP-370 / SRP-372
SRP-500 / SRP-F310 / SRP-F312
SPP-R200 / SPP-R200II
SPP-R300 / SPP-R400**

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1. Instruction

This is a manual about how to set and configure device and to develop applications to use BIXOLON POS printer with BIXOLON OPOS driver.

Before use BIXOLON POS printer, set and configure printer by using BIXOLON OPOS driver Setup Utility.

Throughout this manual, “OLE for Retail POS” is called “OPOS”.

Throughout this manual, “Unified for Retail POS” is called “UPOS”.

Further Source

OLE for Retail POS committee available from <http://monroecs.com/opos.htm>

Driver Update from <http://www.bixolon.com>

We at BIXOLON maintain ongoing efforts to enhance and upgrade the functions and quality of all our products. In following, product specifications and/or user manual content may be changed without prior notice.

2. Development environment

2-1 Communication Configuration

1) Communication Configuration for serial interface.

You will set communication configuration in BIXOLON OPOS Setup Utility.

Printer Model	Baudrate	Printer Type	etc
STP-103	9600/19200/38400/57600/115200	Mono Thermal	
STP-103II	9600/19200/38400/57600/115200	Mono Thermal	
STP-131	9600/19200/38400/57600/115200	Mono Thermal	
SRP-270	9600/19200	2 Color Dot	
SRP-275	9600/19200	2 Color Dot	
SRP-275II	9600/19200	2 Color Dot	
SRP-280	9600/19200	Mono Dot	
SRP-330	9600/19200/38400/57600/115200	Mono Thermal	
SRP-340	9600/19200/38400/57600/115200	2 Color Thermal	
SRP-350	9600/19200/38400/57600	Mono Thermal	
SRP-350N	9600/19200/38400/57600	Mono Thermal	
SRP-350II	9600/19200/38400/57600/115200	2 Color Thermal	
SRP-350III	9600/19200/38400/57600/115200	2 Color Thermal	
SRP-352III	9600/19200/38400/57600/115200	2 Color Thermal	203dpi
SRP-350IIK	9600/19200/38400/57600/115200	2 Color Thermal	
SRP-350plus	9600/19200/57600/115200	2 Color Thermal	
SRP-350plusF	9600/19200/57600/115200	2 Color Thermal	
SRP-352plus	9600/19200/57600/115200	2 Color Thermal	203dpi
SRP-350plusII	9600/19200/57600/115200	2 Color Thermal	
SRP-352plusII	9600/19200/57600/115200	2 Color Thermal	203dpi
SRP-350plusIII	9600/19200/57600/115200	Mono Thermal	
SRP-352plusIII	9600/19200/57600/115200	Mono Thermal	203dpi
SRP-370	9600/19200/57600/115200	2 Color Thermal	
SRP-372	9600/19200/57600/115200	2 Color Thermal	203dpi
SRP-500	9600/19200	2 Color Inkjet	
SRP-F310	9600/19200/57600/115200	2 Color Thermal	
SRP-F312	9600/19200/57600/115200	2 Color Thermal	203dpi
SPP-R200	9600/19200/38400/57600/115200	Mono Thermal	203dpi
SPP-R200II	9600/19200/38400/57600/115200	Mono Thermal	203dpi
SPP-R300	9600/19200/38400/57600/115200	Mono Thermal	203dpi
SPP-R400	9600/19200/38400/57600/115200	Mono Thermal	203dpi

* Check the default communication setting. For more details refer to the user manual included in the printer package.

3. Property / Method

3-1 Printer Type

Property value will be determined by the printer type, as shown in the below table.
(Some property values related to Receipt may be different depending on printer model.)

* 1 color dot printer list: SRP-280

* 2 color dot printer list: SRP-270, SRP-275, SRP-275II

* 1 color thermal printer list: STP-103, STP-103II, STP-131
SRP-330, SRP-350, SRP-350N
SRP-350plusIII, SRP-352plusIII
SPP-R200, SPP-R200II, SPP-R300, SPP-R400

* 2 color thermal printer list: SRP-340, SRP-350II, SRP-350III, SRP-352III
SRP-350IIK, SRP-350plus, SRP-350plusF
SRP-352plus, SRP-350plusII, SRP-352plusII
SRP-370, SRP-372, SRP-F310, SRP-F312

* Inkjet printer list: SRP-500

3-2 Property Range / Default Value**3-2-1 Capability property setting value**

Capability Name	1 Color Dot	2 Color Dot	1 Color Thermal	2 Color Thermal	Ink
CapCompareFirmwareVersion	FALSE	FALSE	FALSE	FALSE	FALSE
CapPowerReporting	TRUE	TRUE	TRUE	TRUE	TRUE
CapStatisticsReporting	FALSE	FALSE	FALSE	FALSE	FALSE
CapUpdateFirmware	FALSE	FALSE	FALSE	FALSE	FALSE
CapUpdateStatistics	FALSE	FALSE	FALSE	FALSE	FALSE
CapTransaction	TRUE	TRUE	TRUE	TRUE	TRUE
CapCoverSensor	FALSE	TRUE	TRUE	TRUE	TRUE
CapConcurrentRecSlp	FALSE	FALSE	FALSE	FALSE	FALSE
CapConcurrentJrnSlp	FALSE	FALSE	FALSE	FALSE	FALSE
CapConcurrentJrnRec	FALSE	FALSE	FALSE	FALSE	FALSE
CapCharacterSet	TRUE	TRUE	TRUE	TRUE	TRUE
CapRecUnderline	TRUE	TRUE	TRUE	TRUE	TRUE
CapRecPageMode	FALSE	FALSE	TRUE	TRUE	FALSE
CapCuncurrentPageMode	FALSE	FALSE	FALSE	FALSE	FALSE
CapRecStamp	FALSE	FALSE	FALSE	FALSE	FALSE
CapRecRotate180	TRUE	TRUE	TRUE	TRUE	TRUE
CapRecRight90	FALSE	FALSE	TRUE	TRUE	FALSE
CapRecPapercut	TRUE	TRUE	TRUE	TRUE	TRUE
CapRecNearEndSensor	TRUE	FALSE	TRUE	TRUE	FALSE
CapRecMarkFeed	FALSE	FALSE	FALSE	FALSE	FALSE
CapRecLeft90	FALSE	FALSE	TRUE	TRUE	FALSE
CapRecItalic	FALSE	FALSE	FALSE	FALSE	FALSE
CapRecEmptySensor	TRUE	TRUE	TRUE	TRUE	TRUE
CapRecDwideDhigh	TRUE	TRUE	TRUE	TRUE	TRUE
CapRecDwide	TRUE	TRUE	TRUE	TRUE	TRUE
CapRecDhigh	TRUE	TRUE	TRUE	TRUE	TRUE
CapRecColor	FALSE	TRUE	FALSE	TRUE	TRUE
CapRecCartridgeSensor	FALSE	FALSE	FALSE	FALSE	TRUE
CapRecBold	TRUE	TRUE	TRUE	TRUE	TRUE
CapRecBitmap	TRUE	TRUE	TRUE	TRUE	TRUE
CapRecBarCode	FALSE	FALSE	TRUE	TRUE	TRUE
CapRec2Color	FALSE	TRUE	FALSE	TRUE	TRUE
CapRecPresent	TRUE	TRUE	TRUE	TRUE	TRUE

* May be capability setting values are different depending on the printer model.

3-2-2 Property default value / Range

* List Property

Model	RecLineCharsList	RecBarCode RotationList	FontTypefaceList	RecBitmapList
STP-103	"24,42"	66??	66??	0,L90,R90,180
STP-103II	"24,42"	66??	66??	0,L90,R90,180
STP-131	"42,56"	66??	66??	0,L90,R90,180
SRP-270	"33,40"	66??	66??	0,L90,R90,180
SRP-275	"33,40"	66??	66??	0,L90,R90,180
SRP-275II	"33,40"	66??	66??	0,L90,R90,180
SRP-280	"35,42"	66??	66??	0,L90,R90,180
SRP-330	"42,56"	66??	66??	0,L90,R90,180
SRP-340	"42,56"	66??	66??	0,L90,R90,180
SRP-350	"42,56"	66??	66??	0,L90,R90,180
SRP-350N	"32,42"	66??	66??	0,L90,R90,180
SRP-350II	"42,56"	66??	66??	0,L90,R90,180
SRP-350III	"42,56"	66??	66??	0,L90,R90,180
SRP-352III	"48,64"	66??	66??	0,L90,R90,180
SRP-350IIK	"42,56"	66??	66??	0,L90,R90,180
SRP-350plus	"42,56"	66??	66??	0,L90,R90,180
SRP-350plusF	"42,56"	66??	66??	0,L90,R90,180
SRP-352plus	"48,64"	66??	66??	0,L90,R90,180
SRP-350plusII	"42,56"	66??	66??	0,L90,R90,180
SRP-352plusII	"48,64"	66??	66??	0,L90,R90,180
SRP-350plusIII	"42,56"	66??	66??	0,L90,R90,180
SRP-352plusIII	"48,64"	66??	66??	0,L90,R90,180
SRP-370	"42,56"	66??	66??	0,L90,R90,180
SRP-372	"47,63"	66??	66??	0,L90,R90,180
SRP-500	"36,42"	66??	66??	0,L90,R90,180
SRP-F310	"42,56"	66??	66??	0,L90,R90,180
SRP-F312	"48,64"	66??	66??	0,L90,R90,180
SPP-R200	"32,42"	66??	66??	0,L90,R90,180
SPP-R200II	"32,42"	66??	66??	0,L90,R90,180
SPP-R300	"48,64"	66??	66??	0,L90,R90,180
SPP-R400	"69,92"	66??	66??	0,L90,R90,180

* CharacterSetList Property

Model	Value
STP-103 / STP-130II	"437, 850, 1(Katakana),860,863,865,858, 255"
STP-131	"437, 850, 1(Katakana),860,863,865, 255"
SRP-270	"437, 850,860,863,865,858, 255"
SRP-275 / SRP-275II	"437,850,860,863,Katakana,865,866,1252,852,858,862,864,Thai42,1253,1254,1257,Farsi,1251,737,775, 255"
SRP-280	Only china
SRP-330 / SRP-350plus SRP-350plusF / SRP-352plus	"1,23(Thai14),27(Farsi),31(Thai16),32(hebrewOld),34(Thai11),35(Thai18),437,737,775,850,852,855,857,858,860,862,863,864,865,866,928,1251,1252,1253,1254,1255,1257"
SRP-340 / SRP-350II SRP-350III/ SRP-352III SRP-350IIK / SRP-350plusII SRP-352plusII / SRP-350plusIII SRP-352plusII / SRP-F310 SRP-F312 / SPP-R200 SPP-R200II / SPP-R300 SPP-R400	"437,1(Katakana),850,860,863,865,1252,866,852,858,862,864,23(Thai42),1253,1254,1257,27(Farsi),1251,737,775,31(Thai14),32(Hebrew_old),1255,34(Thai11),35(Thai18),36(Cyrillic),857,928,39(Thai16),1256"
SRP-350 / SRP-350N	"437, 850, 1(Katakana),860,863,865,858, 255"
SRP-370 / SRP-372	"437,850,1(Katakana),860,863,865,858.855,857,864,Thai42,1253,1251,737,Thai16,1255, 255"
SRP-500	"437,850,860,863,865,1252,866, 255"

*** Receipt Width and Height Property**

Model	RecLineHeight	RecLineWidth	RecLinePaperCut
STP-103	24	342	5
STP-103II	24	342	5
STP-131	24	512	5
SRP-270	9	512	9
SRP-275	9	512	9
SRP-275II	9	512	9
SRP-280	9	512	9
SRP-330	24	512	5
SRP-340	24	512	5
SRP-350	24	512	5
SRP-350N	24	342	5
SRP-350II	24	512	5
SRP-350IIK			
SRP-350III	24	512	5
SRP-352III	24	576	5
SRP-350plus	24	512	5
SRP-350plusF			
SRP-350plusII	24	512	5
SRP-352plusII	24	576	5
SRP-350plusIII	24	512	5
SRP-352plusIII	24	576	5
SRP-370	24	512	5
SRP-372	24	576	5
SRP-352plus			
SRP-500	12	512	10
SRP-F310	24	512	5
SRP-F312	24	576	5
SPP-R200	24	384	5
SPP-R200II	24	384	5
SPP-R300	24	576	5
SPP-R400	24	832	5

*** RecLineSpacing Property**

Property	Range		
	Default	Max	Min
RecLineSpacing	16	127	0

3-2-3 POSPrinter Method

Method	Value
beginInsertion	X
beginRemoval	X
changePrintSide	X
clearPrintArea	O
cutPaper	O
drawRuledLine	X
endInsertion	X
endRemoval	X
markFeed	X
pageModePrint	O (Dot, Ink type printer unsupported)
printBarCode	O
printBitmap	O
printImmediate	O
printMemoryBitmap	O
printNormal	O
printTwoNormal	X
rotatePrint	O
setBitmap	O
setLogo	O
transactionPrint	O
validateData	O

O: Supported X: Not supported

3-2-4 POSPrinter Escape Sequences

Escape Sequence	Value
[#]P	0~100
[#]fP	0~100
[#]sP	X
sL	X
[#]B	1~20
tL	O
bL	O
[#]IF	0~9999
[#]uF Base Pitch [inch]	O
[#]rF Maximum[inch]	X
#E	O
#R	X
#dL	X
#fT	O
[!]bC	O
[!][#]uC	O
[!]iC	X
[#]rC	O
[!]rvC	O
[#]sC	X
1C	O
2C	O
3C	O
4C	O
#hC	O
#vC	O
[#]fC	X
[!]tbC	X
[!]tpC	X
cA	O
rA	O
IA	O
[!][#]stC	X
N	O

O: Supported X: Not supported

3-2-5 Color bitmap printing support

BIXOLON OPOS Driver supports following image formats;

- GIF, JPG, BMP Image Format.

The image will be converted into monochrome or 2 colors depending on printer model.

3-2-6 Page Mode printing

BIXOLON Thermal printers support page mode printing.
(BIXOLON Dot Matrix Printer and Ink Jet printer don't support this feature.)

* Methods used with Page Mode Printing

Method	Value
printNormal	O
printBitmap	X
printBarcode	X
PrintMemoryBitmap	X

O: Supported X: Not supported

4. Extended Functions

This section is to explain DirectIO method. This method will operate properly only with BIXOLON POS printer.

4-1 DirectIO Method

Parameter	Explanation	Type
Command	Output format	Long
pData	Number of output data / Value defined by command	Long
pString	Output Data	String

BIXOLON OPOS DirectIO Command

Command	Description
PTR_DI_OUTPUT	Output defined pString data
PTR_DI_INTERNATIONAL_CHAR	International charset define
PTR_DI_350NV_PRINT	Print the Mono Color NV image
PTR_DI_370NV_PRINT	Print the 2 Color NV image
PTR_DI_275500NV_PRINT	Print the NV image for the dot printer
PTR_DI_MOBILE_MSR_READ	Read the MSR data
PTR_DI_MOBILE_MSR_READ_TRACK1	Get the Track 1 information from MSR data
PTR_DI_MOBILE_MSR_READ_TRACK2	Get the Track 2 information from MSR data
PTR_DI_MOBILE_MSR_READ_TRACK3	Get the Track 3 information from MSR data
PTR_DI_MOBILE_MSR_READ_CLEAR	Clear the MSR Data

PTR_DI_OUTPUT

Argument	Command	PTR_DI_OUTPUT
	pData	Null
	pString	Output data
Description	Sends data without any process after checking printer status. “pString” is not affected by “BinaryConversion”	
Return	Result Code	ResultCodeExtended
	OPOS_SUCCESS	0
	OPOS_E_CLOSED	0
	OPOS_E_CLAIMED	0
	OPOS_E_NOTCLAIMED	0
	OPOS_E_DISABLED	0
	OPOS_E_BUSY	0
	OPOS_E_ILLEGAL	0
	OPOS_E_OFFLINE	0
	OPOS_E_FAILURE	0

PTR_DI_INTERNATIONAL_CHAR

Argument	Command	PTR_DI_INTERNATIONAL_CHAR
	pData	One of the commands: PRN_DI_CHAR_USA PRN_DI_CHAR_FRANCE PRN_DI_CHAR_GERMANY PRN_DI_CHAR_UK PRN_DI_CHAR_DENMARK1 PRN_DI_CHAR_SWEDEN PRN_DI_CHAR_ITALY PRN_DI_CHAR_SPAIN1 PRN_DI_CHAR_NORWAY PRN_DI_CHAR_DENMARK2
	pString	Printing position
Description	Sets International character set. If CharacterSet property value is changed, International character set will be reset.	
Return	Result Code	ResultCodeExtended
	OPOS_SUCCESS	0
	OPOS_E_CLOSED	0
	OPOS_E_CLAIMED	0
	OPOS_E_NOTCLAIMED	0
	OPOS_E_DISABLED	0
	OPOS_E_BUSY	0
	OPOS_E_ILLEGAL	0
	OPOS_E_OFFLINE	0
	OPOS_E_FAILURE	0

Printing the NV image

Argument	Command	PTR_DI_350NV_PRINT PTR_DI_370NV_PRINT PTR_DI_275500NV_PRINT
	pData	Null
	pString	Sequence data
Description	Print the NV image corresponding to the sequence.	
Return	Result Code	ResultCodeExtended
	OPOS_SUCCESS	0
	OPOS_E_CLOSED	0
	OPOS_E_CLAIMED	0
	OPOS_E_NOTCLAIMED	0
	OPOS_E_DISABLED	0
	OPOS_E_BUSY	0
	OPOS_E_ILLEGAL	0
	OPOS_E_OFFLINE	0
	OPOS_E_FAILURE	0

PTR_DI_MOBILE_MSR_READ

Argument	Command	PTR_DI_MOBILE_MSR_READ
	pData	Null
	pString	Null
Description	Read the MSR data.	
Return	Result Code	ResultCodeExtended
	OPOS_SUCCESS	0
	OPOS_E_ILLEGAL	0

PTR_DI_MOBILE_MSR_READ_TRACK

Argument	Command	PTR_DI_MOBILE_MSR_READ_TRACK1 PTR_DI_MOBILE_MSR_READ_TRACK2 PTR_DI_MOBILE_MSR_READ_TRACK3
	pData	Null
	pString	Appropriate Track information
Description	Get the Track information from MSR data.	
Return	Result Code	ResultCodeExtended
	OPOS_SUCCESS	0
	OPOS_E_ILLEGAL	0

PTR_DI_MOBILE_MSR_READ_CLEAR

Argument	Command	PTR_DI_MOBILE_MSR_READ_CLEAR
	PData	Null
	PString	Null
Description	Clear the MSR data.	
Return	Result Code	ResultCodeExtended
	OPOS_SUCCESS	0
	OPOS_E_ILLEGAL	0

4-2 DirectIOEvent Event

Not used.

5. Error Information

This section is to explain returned error information when use POSPrinter methods. For more details, please refer to the UPOS specifications.

5-1 ResultCode List

ClaimDevice

Method	Result Code	ResultCodeExtended
ClaimDevice	OPOS_E_ILLEGAL	OPOS_EPTR_UNRECOVERABLE
		OPOS_EPTR_MECHANICAL
		OPOS_EPTR_CUTTER
		OPOS_EPTR_OVERHEAT
		OPOS_EPTR_REC_EMPTY
		OPOS_EPTR_JRN_EMPTY

CheckHealth

Method	Result Code	ResultCodeExtended
CheckHealth	OPOS_SUCCESS	0
	OPOS_E_CLOSED	0
	OPOS_E_CLAIMED	0
	OPOS_E_DISABLED	0
	OPOS_E_ILLEGAL	0
	OPOS_E_OFFLINE	0
	OPOS_E_OFFLINE	0
	OPOS_E_FAILURE	OPOS_EPTR_UNRECOVERABLE
		OPOS_EPTR_CUTTER
		OPOS_EPTR_MECHANICAL
		OPOS_EPTR_OVERHEAT

ClearOutput

Argument	Argument	Argument
ClearOutput	OPOS_SUCCESS	0
	OPOS_E_CLOSED	0
	OPOS_E_CLAIMED	0
	OPOS_E_NOTCLAIMED	0

DirectIO

Method	Result Code	ResultCodeExtended
DirectIO	OPOS_SUCCESS	0
	OPOS_E_CLOSED	0
	OPOS_E_CLAIMED	0
	OPOS_E_NOTCLAIMED	0
	OPOS_E_DISABLED	0
	OPOS_E_ILLEGAL	0
	OPOS_E_OFFLINE	0
		OPOS_EPTR_COVER_OPEN
	OPOS_E_FAILURE	OPOS_EPTR_UNRECOVERABLE
		OPOS_EPTR_CUTTER
		OPOS_EPTR_MECHANICAL
		OPOS_EPTR_OVERHEAT
	OPOS_E_EXTENDED	OPOS_EPTR_COVER_OPEN
		OPOS_EPTR_JRN_EMPTY
		OPOS_EPTR_REC_EMPTY

PrintNormal

Method	Result Code	ResultCodeExtended
PrintNormal	OPOS_SUCCESS	0
	OPOS_E_CLOSED	0
	OPOS_E_CLAIMED	0
	OPOS_E_NOTCLAIMED	0
	OPOS_E_DISABLED	0
	OPOS_E_ILLEGAL	0
	OPOS_E_OFFLINE	0
	OPOS_E_FAILURE	OPOS_EPTR_UNRECOVERABLE
		OPOS_EPTR_CUTTER
		OPOS_EPTR_MECHANICAL
		OPOS_EPTR_OVERHEAT
	OPOS_E_EXTENDED	OPOS_EPTR_COVER_OPEN
		OPOS_EPTR_JRN_EMPTY
		OPOS_EPTR_REC_EMPTY

PrintImmediate

Method	Result Code	ResultCodeExtended
PrintImmediate	OPOS_SUCCESS	0
	OPOS_E_CLOSED	0
	OPOS_E_CLAIMED	0
	OPOS_E_NOTCLAIMED	0
	OPOS_E_DISABLED	0
	OPOS_E_ILLEGAL	0
	OPOS_E_OFFLINE	0
	OPOS_E_FAILURE	OPOS_EPTR_UNRECOVERABLE
		OPOS_EPTR_CUTTER
		OPOS_EPTR_MECHANICAL
		OPOS_EPTR_OVERHEAT
	OPOS_E_EXTENDED	OPOS_EPTR_COVER_OPEN
		OPOS_EPTR_JRN_EMPTY
		OPOS_EPTR_REC_EMPTY

CutPaper

Method	Result Code	ResultCodeExtended
CutPaper	OPOS_SUCCESS	0
	OPOS_E_CLOSED	0
	OPOS_E_CLAIMED	0
	OPOS_E_NOTCLAIMED	0
	OPOS_E_DISABLED	0
	OPOS_E_ILLEGAL	0
	OPOS_E_OFFLINE	0
	OPOS_E_FAILURE	OPOS_EPTR_UNRECOVERABLE
		OPOS_EPTR_CUTTER
		OPOS_EPTR_MECHANICAL
		OPOS_EPTR_OVERHEAT
	OPOS_E_EXTENDED	OPOS_EPTR_COVER_OPEN
		OPOS_EPTR_JRN_EMPTY
		OPOS_EPTR_REC_EMPTY

RotatePrint

Method	Result Code	ResultCodeExtended
RotatePrint	OPOS_SUCCESS	0
	OPOS_E_CLOSED	0
	OPOS_E_CLAIMED	0
	OPOS_E_NOTCLAIMED	0
	OPOS_E_DISABLED	0
	OPOS_E_ILLEGAL	0
	OPOS_E_OFFLINE	0
	OPOS_E_FAILURE	OPOS_EPTR_UNRECOVERABLE
		OPOS_EPTR_CUTTER
		OPOS_EPTR_MECHANICAL
		OPOS_EPTR_OVERHEAT
	OPOS_E_EXTENDED	OPOS_EPTR_COVER_OPEN
		OPOS_EPTR_JRN_EMPTY
		OPOS_EPTR_REC_EMPTY

PrintBitmap

Method Name	Result Code	ResultCodeExtended
PrintBitmap	OPOS_SUCCESS	0
	OPOS_E_CLOSED	0
	OPOS_E_CLAIMED	0
	OPOS_E_NOTCLAIMED	0
	OPOS_E_DISABLED	0
	OPOS_E_ILLEGAL	0
	OPOS_E_OFFLINE	0
	OPOS_E_FAILURE	OPOS_EPTR_UNRECOVERABLE
		OPOS_EPTR_CUTTER
		OPOS_EPTR_MECHANICAL
		OPOS_EPTR_OVERHEAT
	OPOS_E_NOEXIST	0
	OPOS_E_EXTENDED	OPOS_EPTR_COVER_OPEN
		OPOS_EPTR_JRN_EMPTY
		OPOS_EPTR_REC_EMPTY
		OPOS_EPTR_SLP_EMPTY
		OPOS_EPTR_TOOBIG
		OPOS_EPTR_BADFORMAT

SetBitmap

Method	Result Code	ResultCodeExtended
SetBitmap	OPOS_SUCCESS	0
	OPOS_E_CLOSED	0
	OPOS_E_CLAIMED	0
	OPOS_E_NOTCLAIMED	0
	OPOS_E_DISABLED	0
	OPOS_E_ILLEGAL	0
	OPOS_E_OFFLINE	0
	OPOS_E_FAILURE	OPOS_EPTR_UNRECOVERABLE
		OPOS_EPTR_CUTTER
		OPOS_EPTR_MECHANICAL
		OPOS_EPTR_OVERHEAT
	OPOS_E_NOEXIST	0
	OPOS_E_EXTENDED	OPOS_EPTR_COVER_OPEN
		OPOS_EPTR_JRN_EMPTY
		OPOS_EPTR_REC_EMPTY
		OPOS_EPTR_SLP_EMPTY
		OPOS_EPTR_TOO BIG
		OPOS_EPTR_BADFORMAT

SetLogo

Method	Result Code	ResultCodeExtended
SetLogo	OPOS_SUCCESS	0
	OPOS_E_CLOSED	0
	OPOS_E_CLAIMED	0
	OPOS_E_NOTCLAIMED	0
	OPOS_E_DISABLED	0
	OPOS_E_ILLEGAL	0

TransactionPrint

Method	Result Code	ResultCodeExtended
TransactionPrint	OPOS_SUCCESS	0
	OPOS_E_CLOSED	0
	OPOS_E_CLAIMED	0
	OPOS_E_NOTCLAIMED	0
	OPOS_E_DISABLED	0
	OPOS_E_ILLEGAL	0
	OPOS_E_OFFLINE	0
	OPOS_E_FAILURE	OPOS_EPTR_UNRECOVERABLE
		OPOS_EPTR_CUTTER
		OPOS_EPTR_MECHANICAL
		OPOS_EPTR_OVERHEAT
	OPOS_E_NOEXIST	0
	OPOS_E_EXTENDED	OPOS_EPTR_COVER_OPEN
		OPOS_EPTR_JRN_EMPTY
		OPOS_EPTR_REC_EMPTY
		OPOS_EPTR_SLP_EMPTY