



STAR OPOS Control

**Application  
Development Guide  
For POSPrinter**

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## **SECTION 1 INTRODUCTION**

- 1) This application development guide applies to Star Micronics printers.
- 2) Some printers may have the property and the OPOS escape sequence which can be set only at the top of the lines and might be limited at the rotation printing. Refer to the Hardware Manual, Online Manual of each device and Command Specifications Manual for more detail.
- 3) For details on each API, refer to the Application Programmer 's Guide distributed by the OPOS Technology Council.

## SECTION 2 PROPERTY LIST

Property	Supporting Status		Remarks
BinaryConversion	✓		
CapCompareFirmwareVersion	✓	FALSE	
CapPowerReporting	✓	OPOS_PR_STANDARD	
CapStatisticsReporting	✓	FALSE	
CapUpdateFirmware	✓	FALSE	
CapUpdateStatistics	✓	FALSE	
CheckHealthText	✓		
Claimed	✓		
DeviceEnabled	✓		
FreezeEvents	✓		
OpenResult	✓		
OutputID	✓		
PowerNotify	✓		
PowerState	✓		
ResultCode	✓		
ResultCodeExtended	✓		
State	✓		
ControlObjectDescription	✓		
ControlObjectVersion	✓		
ServiceObjectDescription	✓	"SMJ OPOS POSPrinter ServiceObject"	
ServiceObjectVersion	✓	1013009	
DeviceDescription	✓		
DeviceName	✓		
CapCharacterSet	✓		
CapConcurrentJrnRec	✓	FALSE	
CapConcurrentJrnSlp	✓	FALSE	
CapConcurrentRecSlp	✓	FALSE	
CapConcurrentPageMode	✓	FALSE	
CapCoverSensor	✓	TRUE	
CapMapCharacterSet	✓	TRUE	
CapTransaction	✓	TRUE	

CapJrnPresent	✓	FALSE	
CapJrn2Color	✓	FALSE	
CapJrnBold	✓	FALSE	
CapJrnDhigh	✓	FALSE	
CapJrnDwide	✓	FALSE	
CapJrnDwideDhigh	✓	FALSE	
CapJrnEmptySensor	✓	FALSE	
CapJrnItalic	✓	FALSE	
CapJrnNearEndSensor	✓	FALSE	
CapJrnUnderline	✓	FALSE	
CapJrnCartridgeSensor	✓	FALSE	
CapJrnColor	✓	FALSE	
CapRecPresent	✓	TRUE	
CapRec2Color	✓	FALSE	
CapRecBarCode	✓	TRUE	
CapRecBitmap	✓	TRUE	
CapRecBold	✓	TRUE	
CapRecDhigh	✓	TRUE	
CapRecDwide	✓	TRUE	
CapRecDwideDhigh	✓	TRUE	
CapRecEmptySensor	✓	TRUE	
CapRecItalic	✓	FALSE	
CapRecLeft90	✓	FALSE	
CapRecNearEndSensor	✓	TRUE	MCP30 : FALSE
CapRecPapercut	✓	TRUE	
CapRecRight90	✓	FALSE	
CapRecRotate180	✓	TRUE	
CapRecStamp	✓	FALSE	
CapRecUnderline	✓	TRUE	
CapRecCartridgeSensor	✓	0	
CapRecColor	✓	PTR_COLOR_PRIMARY	
CapRecMarkFeed	✓	0	
CapRecPageMode	✓	TRUE	
CapRecRuledLine	✓	0	
CapSlpPresent	✓	FALSE	
CapSlpFullslip	✓	FALSE	
CapSlp2Color	✓	FALSE	

CapSlpBarCode	✓	FALSE	
CapSlpBitmap	✓	FALSE	
CapSlpBold	✓	FALSE	
CapSlpDhigh	✓	FALSE	
CapSlpDwide	✓	FALSE	
CapSlpDwideDhigh	✓	FALSE	
CapSlpEmptySensor	✓	FALSE	
CapSlpItalic	✓	FALSE	
CapSlpLeft90	✓	FALSE	
CapSlpNearEndSensor	✓	FALSE	
CapSlpRight90	✓	FALSE	
CapSlpRotate180	✓	FALSE	
CapSlpUnderline	✓	FALSE	
CapSlpBothSidesPrint	✓	FALSE	
CapSlpCartridgeSensor	✓	0	
CapSlpColor	✓	0	
AsyncMode	✓		
CartridgeNotify		PTR_CN_DISABLED	
CharacterSet	✓	998	
CharacterSetList	✓	"437,737,772,774,851,852,855,857,858,860,861,862,863,864,865,866,869,874,928,932,998,999,1001,1250,1251,1252,2001,3001,3002,3011,3012,3021,3041,3840,3841,3843,3844,3845,3846,3847,3848"	
CoverOpen	✓		
ErrorLevel	✓		
ErrorStation	✓		
ErrorString	✓		
FontTypefaceList	-		
FlagWhenIdle	✓		
MapCharacterSet	✓		
MapMode	✓		
PageModeArea	✓		
PageModeDescriptor	✓	PTR_PM_BITMAP    PTR_PM_BARCODE    PTR_PM_BM_ROTATE    PTR_PM_BC_ROTATE	
PageModeHorizontalPosition	✓		
PageModePrintArea	✓		

PageModePrintDirection	✓		
PageModeStation	✓		
PageModeVerticalPosition	✓		
RotateSpecial	✓		
JrnLineChars	-		
JrnLineCharsList	-		
JrnLineHeight	-		
JrnLineSpacing	-		
JrnLineWidth	-		
JrnLetterQuality	-		
JrnEmpty	-		
JrnNearEnd	-		
JrnCartridgeState	-		
JrnCurrentCartridge	-		
RecLineChars	✓		
RecLineCharsList	✓		
RecLineHeight	✓		
RecLineSpacing	✓		
RecLineWidth	✓		
RecLetterQuality	-	FALSE	
RecEmpty	✓		
RecNearEnd	✓		
RecSidewaysMaxLines	-	0	
RecSidewaysMaxChars	-	0	
RecLinesToPaperCut	✓		
RecBarCodeRotationList	✓	0,180	
RecCartridgeState	-	PTR_CART_UNKNOWN	
RecCurrentCartridge	-		
RecBitmapRotationList	✓	0,180	
SlpLineChars	-		
SlpLineCharsList	-		
SlpLineHeight	-		
SlpLineSpacing	-		
SlpLineWidth	-		
SlpLetterQuality	-		
SlpEmpty	-		
SlpNearEnd	-		
SlpSidewaysMaxLines	-		
SlpSidewaysMaxChars	-		

SlpMaxLines	-		
SlpLinesNearEndToEnd	-		
SlpBarCodeRotationList	-		
SlpPrintSide	-		
SlpCartridgeState	-		
SlpCurrentCartridge	-		
SlpBitmapRotationList	-		



## SECTION 3 METHOD LIST

Method	Supporting Status	Remarks
Open	✓	
Close	✓	
ClaimDevice	✓	
ReleaseDevice	✓	
CheckHealth	✓	OPOS_CH_INTERACTIVE
ClearOutput	✓	
CompareFirmwareVersion	-	
DirectIO	-	
ResetStatistics	-	
RetrieveStatisticss	-	
UpdateFirmware	-	
UpdateStatistics	-	
PrintNormal	✓	
PrintTwoNormal	-	
PrintImmediate	✓	
BeginInsertion	-	
EndInsertion	-	
BeginRemoval	-	
EndRemoval	-	
CutPaper	✓	
RotatePrint	✓	The followings are not supported. PTR_RP_RIGHT90 PTR_RP_LEFT90
PrintBarCode	✓	
PrintBitmap	✓	
TransactionPrint	✓	
ValidateData	✓	
SetBitmap	✓	
SetLogo	✓	
ChangePrintSide	-	
MarkFeed	-	
ClearPrintArea	-	
PageModePrint	✓	
PrintMemoryBitmap	✓	
DrawRuledLine	-	

## SECTION 4 EVENT LIST

Event	Supporting Status	Remarks
DirectIOEvent	-	
ErrorEvent	✓	
OutputCompleteEvent	✓	
StatusUpdateEvent	✓	

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