

Bachmann PrintBoy SDK
Enterprise Edition API Reference
for eMbedded Visual Basic Developers
version 6.0



Bachmann Software & Services

*Essential Printing and File Management Software
for Palm OS and Pocket PC Handhelds*

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About This Document

The PrintBoy SDK API Reference for eMbedded Visual Basic Developers is part of the PrintBoy Software Development Kit. The API Reference describes all supported PrintBoy SDK APIs, including function names, parameter lists, return codes, and developer notes.

The following PrintBoy SDK documents are provided as part of the SDK:

- PrintBoy SDK Guide To Programming
- PrintBoy SDK Getting Started Guide
- PrintBoy SDK Standard Edition API Reference for CodeWarrior Developers
- PrintBoy SDK Standard Edition API Reference for eMbedded Visual C++ Developers
- PrintBoy SDK Standard Edition API Reference for eMbedded Visual Basic Developers
- PrintBoy SDK Standard Edition API Reference for Mobile Web Developers
- PrintBoy SDK Enterprise Edition API Reference for CodeWarrior Developers
- PrintBoy SDK Enterprise Edition API Reference for eMbedded Visual C++ Developers
- PrintBoy SDK Enterprise Edition API Reference for eMbedded Visual Basic Developers
- PrintBoy SDK Enterprise Edition API Reference for Mobile Web Developers
- PrintBoy SDK Guide to Printer Drivers

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Please note that developer technical support for PrintBoy SDK is by e-mail only for registered customers. Additional peer support for PrintBoy SDK may be found on the Yahoo PrintBoy SDK Discussion group, found on the Web at <http://groups.yahoo.com/group/printboydev>

API Function Reference: ReportLayout

AddBitmap

AddBitmap (long hBitmap, INT nWidthInPixels, INT nHeightInPixels, INT nAlignment);

Adds a bitmap to the report layout. The bitmap must be in Palm Bitmap format. The output will be rendered beginning on the next horizontal printable line, and will continue until the bitmap is completed. Bitmaps may not be rendered next to other elements on the same line, nor are they currently supported within tables.

Parameters	bitmap	Pointer to valid Palm OS bitmap
	nWidthInPixels	Width in pixels of the bitmap
	nHeightInPixels	Height in pixels of the bitmap
	nAlignment	ALIGN_LEFT, ALIGN_CENTER, ALIGN_RIGHT
Return Value	Call GetLastError to determine any errors with this API	

Comments
See Also

AddTableCell

AddTableCell (BSTR bstrText, INT nWidthInPct, INT nAlign, BSTR bstrFontTypeface, INT nPointSize, INT nBold, INT nItalic, INT nDrawBorders)

Adds the content of a single table cell in a table row. Must be in a table row to use this function successfully.

NOTE: Width only needs to be specified on the first row of cells in a table. Feel free to repeat the width specifier, but it is ignored by the print engine. All cells after the first row can safely specify "0" as the width.

Parameters	bstrText	Text to add
	uAlign	alignment flag (ALIGN_LEFT, ALIGN_CENTER or ALIGN_RIGHT)
	bstrFontTypeface	typeface of font to use for text
	nPointSize	Point size of font
	nBold	True if bold should be applied to font
	nItalic	True if italic should be applied to font
	nDrawBorders	True if borders should be drawn around the cell
Return Value	0 if successful, non-zero if an error occurred	

Comments
See Also

AddTableCellBitmap

AddTableCellBitmap (long hBitmap, INT nWidthInPixels, INT nHeightInPixels, INT nWidthInPct, INT nAlign, INT nDrawBorders);

Adds a bitmap as the content of a single table cell in a table row. Must be in a table row to use this function successfully.

NOTE: WidthInPct only needs to be specified on the first row of cells in a table. Feel free to repeat the width specifier, but it is ignored by the print engine. All cells after the first row can safely specify "0" as the width.

Parameters	bitmap	Ptr to a Palm Bitmap
	xWidthInPixels	Width in pixels of the bitmap
	yHeightInPixels	Height in pixels of the bitmap
	xWidthInPct	Pct width of the table column
	uAlign	alignment flag (ALIGN_LEFT, ALIGN_CENTER or ALIGN_RIGHT)
	bDrawBorders	True if the cell borders should be drawn
Return Value	0 if successful, non-zero if an error occurred	
Comments		
See Also	TableBegin, TableEnd	

AddText

AddText (BSTR bstrText, INT nAlign, BSTR bstrFontTypeface, INT nPointSize, INT nBold, INT nItalic)

Adds a text element to the report layout. The text will be aligned according to the uAlign flag, and will automatically word wrap within the full width of the page.

Parameters	bstrText	Text to add
	uAlign	alignment flag (ALIGN_LEFT, ALIGN_CENTER or ALIGN_RIGHT)
	bstrFontTypeface	typeface of font to use for text
	uPointSize	Point size of font
	bBold	True if bold should be applied to font
	bItalic	True if italic should be applied to font
Return Value	Call GetLastError to determine any errors with this API	
Comments	For specifying text within a table cell, please use AddTableCell.	

Begin

Destroy ()

This function ends a ReportLayout session created with Create().

Parameters

Return Value Call GetLastError to determine any errors with this API

Comments

See Also Create

End

End ()

Ends the layout specification of a report

Parameters

Return Value Call GetLastError to determine any errors with this API

Comments

See Also Begin

EndTable

EndTable ()

Ends a table section of the report. A BeginTable call must be completed with an EndTable call. Nested tables are not currently supported

Return Value Call GetLastError to determine any errors with this API

Comments

See Also BeginTable

EndTableRow

EndTableRow ()

Ends the current table row

Return Value Call GetLastError to determine any errors with this API

Comments

See Also BeginTableRow

Execute

Execute ()

Executes the report specified in the the report object. The report must have been correctly laid out using the report apis, beginning with Begin and End.

Execute will perform a print job for the specified report layout using the PrintBoy printing engine.

Return Value Call GetLastError to determine any errors with this API

Comments

See Also

GetLastError

GetLastError

This function returns the last error encountered by any Print Manager api

Return Value Returns the error code

Comments

The following are possible error codes:

```
prtErrNone           (0)           // no error
prtErrParam          (1)           // invalid parameter
prtErrNotOpen        (2)           // library is not open
prtErrAlreadyOpen    (3)           // return from prtOpen()
prtErrStillOpen       (4)           // returned from prtClose()
prtErrMemory          (5)           // memory error
occurred
prtErrDevice         (6)           // device not ready error
prtErrPort           (7)           // port error occurred
prtErrAbort          (8)           // user aborted
prtErrNotImpl        (9)           // function not implemented
prtErrNotSupp        (10)          // request not supported.
prtErrState          (11)          // state error
prtErrNoConfig       (12)          // Print Setup needs to be run to set a default
device
prtErrNoDriver       (13)          // driver library not found
prtErrCfgFormBadParam (14)         // bad parameter passed in to config
form
prtErrCfgFormUserCancel (15)       // user canceled out of config form
prtErrCfgFormMemory  (16)         // out of memory in config form
prtErrUnKnown        (17)
prtErrTrialExpired   (18)         //Trial version has expired
prtErrLicenseKeyInvalid (19)       //License Key passed in is invalid
prtErrLicenseKeyFailure (20)       //Either trial expired or invalid/no key
passed in
prtErrReadFailure    (21)         //Driver could not
perform read operation
prtErrReadTimeout    (22)         //Read operation timed
out
prtErrInsufficientBuffer (23)       // buffer too small for requested information
//Error codes related to direct printer status
prtErrPrinterOffline (100)         //Printer is offline
prtErrPaperOut       (101)         //Printer is out of paper
prtErrPaperJam        (102)         //Printer has a paper jam
prtErrCoverOpen       (103)         //Printer has a paper jam
prtErrPrinterTimedOut (104)         //Printer timed out
prtErrPrintJobCancelled (105)       //Printer has cancelled job ( user
cancelled from printer )
```

See Also

SkipLines

SkipLines (INT NumToSkip)

Skips a number of lines vertically in the report output

Parameters uNumToSkip number of lines to skip

Return Value Call GetLastError to determine any errors with this API

Comments

See Also

API Function Reference: HTML Printing

Print

Print(BSTR bstrPathFilename, BSTR bstrLicenseKey)

Prints an HTML document specified by name

Parameters

pathFileName

Path and filename for html file to print

pszLicenseKey

Valid PrintBoy Reports SDK license key. License keys may be obtained by contacting Bachmann Software at <http://www.bachmannsoftware.com>

Return Value

Returns an error code, 0 is success

Comments

A special evaluation period key of "PRINTBOY_SDK_TRIAL" may be used for up to 60 days, allowing the print engine to be used in trial mode.

See Also