

## PrintManager.GetErrorCode

```
int PrintManager.GetErrorCode();
```

### Description

Returns an error code from the most recent function call.

### Returns

- |   |  |
|---|--|
| 0 | No error   |
| 1 | Unknown or general error                                     |
| 2 | Invalid parameter  |
| 5 | Cannot initialize Foxit PDF SDK, invalid sn or key parameter |
| 6 | File not found   |
| 7 | File open error  |
| 8 | Incorrect password   |
| 9 | Invalid printer name   |

## PrintManager.Init

```
int PrintManager.Init(string sn, string key);
```

### Description

This function is used to initialize the print manager.

### Parameters

- |        |     |                                      |
|--------|-----|--------------------------------------|
| string | sn  | The serial number for Foxit PDF SDK. |
| string | key | The license key for Foxit PDF SDK.   |

### Returns

- |   |                       |
|---|-----------------------|
| 0 | Initialization failed |
| 1 | Success               |

## PrintManager.Release

```
void PrintManager.Release();
```

### Description

This function is used to release the print manager.

## PrintManager.SetRenderMode

```
int PrintManager.SetRenderMode(int renderMode);
```

### Description

This function can be used to print the pages as bitmaps rather than as vector graphics and text.

### Parameters

int renderMode    The render mode to use:  
                  0=Vector and text (default)  
                  1=Render as bitmap

### Returns

0        Render mode was set successfully  
1        The renderMode parameter was out of range

## PrintManager.GetPrinterCount

```
int PrintManager.GetPrinterCount();
```

### Description

Returns the number of printers.

## PrintManager.GetPrinterName

```
string PrintManager.GetPrinterName(int printerIndex);
```

### Description

Returns the name of the printer with the specified index. The first printer has an index of 0, and the last printer has an index of one less than the value returned by the GetPrinterCount function.

### Parameters

int printerIndex

## PrintManager.GetPaperSizeCount

```
int PrintManager.GetPaperSizeCount(string printerName);
```

### Description

Returns the number of paper sizes for the printer with the specified name.

### Parameters

string printerName    The name of the printer to query.

## PrintManager.GetPaperSizeWidth

```
int PrintManager.GetPaperSizeWidth(string printerName, int paperIndex);
```

### Description

Returns the width of the specified paper size for the printer with the specified name, in tenths of a millimeter.

### Parameters

- |        |             |  |
|--------|-------------|--|
| string | printerName | The name of the printer to query.                                    |
| int    | paperIndex  | The index of the paper type. The first paper type has an index of 0. |

## PrintManager.GetPaperSizeHeight

```
int PrintManager.GetPaperSizeHeight(string printerName, int paperIndex);
```

### Description

Returns the height of the specified paper size for the printer with the specified name, in tenths of a millimeter.

### Parameters

- |        |             |  |
|--------|-------------|--|
| string | printerName | The name of the printer to query.                                    |
| int    | paperIndex  | The index of the paper type. The first paper type has an index of 0. |

## PrintManager.GetPaperSizeID

```
int PrintManager.GetPaperSizeID(string printerName, int paperIndex);
```

### Description

Returns the ID of the specified paper size for the printer with the specified name. This ID can be used with the SetJobPaperSize function.

### Parameters

- |        |             |  |
|--------|-------------|--|
| string | printerName | The name of the printer to query.                                    |
| int    | paperIndex  | The index of the paper type. The first paper type has an index of 0. |

## PrintManager.GetPaperSourceCount

```
int PrintManager.GetPaperSourceCount(string printerName);
```

### Description

Returns the number of paper sources for the printer with the specified name.

### Parameters

- |        |             |                                   |
|--------|-------------|-----------------------------------|
| string | printerName | The name of the printer to query. |
|--------|-------------|-----------------------------------|

## PrintManager.GetPaperSourceName

```
string PrintManager.GetPaperSourceName(string printerName, int sourceIndex);
```

### Description

Returns the name of the paper source with the specified index for the printer with the specified name.

### Parameters

- |        |             |  |
|--------|-------------|--|
| string | printerName | The name of the printer to query.  |
| int    | sourceIndex | The index of the paper source. The first paper source has an index of 0. |

## PrintManager.GetPaperSourceID

```
int PrintManager.GetPaperSourceID(string printerName, int sourceIndex);
```

### Description

Returns the ID of the paper source with the specified index for the printer with the specified name. This ID can be used with the SetJobPaperSource function.

### Parameters

- |        |             |  |
|--------|-------------|--|
| string | printerName | The name of the printer to query.  |
| int    | sourceIndex | The index of the paper source. The first paper source has an index of 0. |

## PrintManager.GetDefaultPrinterName

```
string PrintManager.GetDefaultPrinterName();
```

### Description

Returns the name of the default printer.

## PrintManager.GetDefaultPaperSize

```
int PrintManager.GetDefaultPaperSize(string printerName);
```

### Description

Returns the ID of the default paper size for the specified printer.

### Parameters

- |        |             |                                   |
|--------|-------------|-----------------------------------|
| string | printerName | The name of the printer to query. |
|--------|-------------|-----------------------------------|

## PrintManager.GetDefaultPaperSource

```
int PrintManager.GetDefaultPaperSource(string printerName);
```

### Description

Returns the ID of the default paper source for the specified printer.

### Parameters

string printerName    The name of the printer to query.

## PrintManager.PrintPDFFromFile

```
int PrintManager.PrintPDFFromFile(string pdfFileName, string pdfPassword);
```

### Description

Use this function to quickly print a PDF from a file on disk to the default printer using the default settings.

### Parameters

string pdfFileName    The path and file name of the PDF file to print.

string pdfPassword    The security password to open the specified file, if necessary.

### Returns

- 0      File could not be printed
- 1      Success

## PrintManager.PrintPDFFromMemory

```
int PrintManager.PrintPDFFromMemory(byte[] pdfData, string pdfPassword);
```

### Description

Use this function to quickly print a PDF from a memory buffer to the default printer using the default settings. The data will be copied.

### Parameters

byte[] pdfData        A byte array containing the PDF file.

string pdfPassword    The security password to open the specified file, if necessary.

### Returns

- 0      File could not be printed
- 1      Success

## PrintManager.PrintPDFFromFileToPrinter

```
int PrintManager.PrintPDFFromFileToPrinter(string pdfFileName,  
    string pdfPassword, string printerName);
```

### Description

Use this function to print a PDF from a file on disk to the specified printer using the default settings.

### Parameters

string pdfFileName	The path and file name of the PDF file to print.
string pdfPassword	The security password to open the specified file, if necessary.
string printerName	The name of the printer that the file should be printed on.

### Returns

0	File could not be printed
1	Success

## PrintManager.PrintPDFFromMemoryToPrinter

```
int PrintManager.PrintPDFFromMemoryToPrinter(byte[] pdfData, string pdfPassword,  
    string printerName);
```

### Description

Use this function to print a PDF from a memory buffer to the specified printer using the default settings. The data will be copied.

### Parameters

byte[] pdfData	A byte array containing the PDF file.
string pdfPassword	The security password to open the specified file, if necessary.
string printerName	The name of the printer that the file should be printed on.

### Returns

0	File could not be printed
1	Success

## PrintManager.NewJob

```
int PrintManager.NewJob();
```

### Description

Use this function to create a new print job. The value returned is an instance of the PrintJob class with further functionality.

## PrintJob.AddPDFFromFile

```
int PrintJob.AddPDFFromFile(string pdfFileName, string pdfPassword);
```

### Description

Use this function to add a PDF from a file on disk to the specified print job.

### Parameters

string pdfFileName    The path and file name of the PDF file to add.  
string pdfPassword    The security password to open the specified file, if necessary.

### Returns

0      File could not be added  
1      Success

## PrintJob.AddPDFFromMemory

```
int PrintJob.AddPDFFromMemory(byte[] pdfData, string pdfPassword);
```

### Description

Use this function to add a PDF from a memory buffer to the specified print job. The data will be copied.

### Parameters

byte[] pdfData          A byte array containing the PDF file.  
string pdfPassword    The security password to open the specified file, if necessary.

### Returns

0      File could not be added  
1      Success

## PrintJob.Begin

```
int PrintJob.Begin();
```

### Description

Use this function to start printing the specified print job.

### Returns

0      Print job could not be started  
1      Success

## PrintJob.Cancel

```
int PrintJob.Cancel();
```

### Description

Use this function to cancel the specified print job.

### Returns

- |   |                                  |
|---|----------------------------------|
| 0 | Print job could not be cancelled |
| 1 | Success                          |

## PrintJob.GetStatus

```
int PrintJob.GetStatus();
```

### Description

Returns the status of the specified print job.

### Returns

- |      |  |
|------|--|
| 1000 | Job has started  |
| 1001 | Job has been cancelled   |
| 1002 | Job has completed  |
| 1003 | Job is paused  |
| 1004 | There is a printing error  |
| 1005 | Unknown job status   |
| 1006 | Failed to query job status   |
| 1007 | Printer Paper out  |
| 1008 | Failed to query printer status   |
| 2xxx | Printing is in progress, with the percent complete. For example, code 2025 indicates 25% complete. Code 2100 indicates 100% complete. (Note: This function requires the printer to support obtaining the number of printed pages.) |

## PrintJob.Close

```
int PrintJob.Close();
```

### Description

Use this function to delete the specified print job.

### Returns

- |   |                                  |
|---|----------------------------------|
| 0 | Print job could not be cancelled |
| 1 | Success                          |



## PrintJob.SetCopies

```
int PrintJob.SetCopies(int newCopies);
```

### Description

Sets the number of copies for the specified print job.

If not set, the printer driver's current print setting will be used as default.

### Parameters

int newCopies    The number of copies of the document that will be printed.

### Returns

- 0    The number of copies for the job could not be set, copies must be greater than or equal to 1
- 1    Success

## PrintJob.SetColor

```
int PrintJob.SetColor(int newColorMode);
```

### Description

Sets the color mode of the specified print job. Option 1 and 2 set the color option in the printer driver. Option 3 sets the renderer to render the pages as grayscale independently to the printer driver.

If not set, the printer driver's current print setting will be used as default.

### Parameters

int newColorMode    The color mode to use:  
                      1=Monochrome  
                      2=Color  
                      3=Render grayscale

### Returns

- 0    The color mode for the job could not be set
- 1    Success

## PrintJob.SetDuplex

```
int PrintJob.SetDuplex(int newDuplex);
```

### Description

Sets the page duplexing mode of the specified print job.

If not set, the printer driver's current print setting will be used as default.

### Parameters

int newDuplex    The duplex mode to use:  
                  1=Simplex  
                  2=Duplex vertical  
                  3=Duplex horizontal

### Returns

- 0    Duplex mode could not be set
- 1    Success

## PrintJob.SetRotation

```
int PrintJob.SetRotation(int newRotation);
```

### Description

Sets the page rotation mode of the specified print job.  
If not set, the default value 0 will be used as default.

### Parameters

int	newRotation	The page rotation:
		0=Auto
		1=Portrait
		2=Landscape

## PrintJob.SetScaling

```
int PrintJob.SetScaling(int newScaling);
```

### Description

Sets the scaling mode of the specified print job.  
If not set, the default value 0 will be used as default.

### Parameters

int	newScaling	The page scaling
		0=Fit
		1=Shrink oversized pages
		2=Actual size
		3=Custom scale

### Returns

0	Scaling mode could not be set
1	Success

## PrintJob.SetCustomScale

```
int PrintJob.SetCustomScale(double newCustomScalePercent);
```

### Description

Sets the custom scale percent of the specified print job. The scaling should be set to "3=Custom scale" using the SetJobScaling function for a value set with this function to have an effect.  
If not set, the default value 100.0 will be used as default.

### Parameters

double	newCustomScalePercent	The percentage scale to use. For example, 50.0 means 50%.
--------	-----------------------	---

### Returns

0	Custom scale could not be set, must be greater than zero
1	Success

## PrintJob.SetPaperSource

```
int PrintJob.SetPaperSource(int newPaperSourceID);
```

### Description

Sets the paper source of the specified print job.

If not set, the printer driver's current print setting will be used as default.

### Parameters

int newPaperSourceID The paper source to use for printing. Use the GetPaperSourceID function to get an appropriate value.

### Returns

0 Paper source could not be set  
1 Success

## PrintJob.SetPaperSize

```
int PrintJob.SetPaperSize(int newPaperSizeID);
```

### Description

Sets the paper size to use for the specified print job.

If not set, the printer driver's current print setting will be used as default.

### Parameters

int newPaperSizeID The paper size to use for printing. Use the GetPaperSizeID function to get an appropriate value or use -1 for automatic paper size selection based on the size of the pages in the PDF.

### Returns

0 Paper size could not be set  
1 Success

## PrintJob.SetPageList

```
int PrintJob.SetPageList(int documentIndex, string pageList);
```

### Description

Sets the page range list of the specified print job. If not set, all pages of the document will be used to print.

### Parameters

int documentIndex The index of the document to set the page list for. The first document has an index of 0.  
string pageList The list of pages to print, for example "1,2-5,7".

### Returns

0 Page list could not be set  
1 Success

## PrintJob.SetPriority

```
int PrintJob.SetPriority(int newPriority);
```

### Description

Sets the priority of the specified print job.

If not set, the printer driver's current print setting will be used as default.

### Parameters

int newPriority    The priority of the print job. 1 is lowest, 99 is highest.

### Returns

- 0      Priority could not be set, must be between 1 and 99
- 1      Success

## PrintJob.SetQuality

```
int PrintJob.SetQuality(int newQuality);
```

### Description

Sets the print quality of the specified print job. Specifies the printer driver resolution. There are four predefined device-independent values. If not set, the printer driver's current print setting will be used as default.

### Parameters

int newQuality    The quality to use for the print job.  
                  -1=Draft  
                  -2=Fast  
                  -3=Standard  
                  -4=High

### Returns

- 0      Job quality could not be set
- 1      Success

## PrintJob.SetDocumentName

```
int PrintJob.SetDocumentName(string newDocumentName);
```

### Description

Sets the document name that is displayed in the printer queue for the specified print job.

If not set, the default string "Foxit Print Manager document" will be used as default.

### Parameters

string newDocumentName    The name for the print job to show in the print spooler.

### Returns

- 0      Document name could not be set
- 1      Success

## PrintJob.SetCollate

```
int PrintJob.SetCollate(int newCollate);
```

### Description

Sets the collation mode of the specified print job.

If not set, the printer driver's current print setting will be used as default.

### Parameters

int newCollate    The collation setting to use for the print job:  
                  0=No collation  
                  1=Collate pages

### Returns

0      Job collate setting could not be set  
1      Success

## PrintJob.SetPrinter

```
int PrintJob.SetPrinter(string printerName);
```

### Description

Sets the printer to use for the specified print job.

If not set, an empty string will be used as default.

### Parameters

string printerName    The name of the printer that this print job should be printed to.

### Returns

0      Job printer could not be set  
1      Success

## PrintJob.GetCopies

```
int PrintJob.GetCopies();
```

### Description

Returns the copies setting of the specified print job.

## PrintJob.GetColor

```
int PrintJob.GetColor();
```

### Description

Returns the color mode of the specified print job.

### Returns

1      Mono  
2      Color  
3      Render grayscale

## PrintJob.GetDuplex

```
int PrintJob.GetDuplex();
```

### Description

Returns the duplex mode of the specified print job.

### Returns

- 1     Simplex
- 2     Duplex vertical
- 3     Duplex horizontal

## PrintJob.GetRotation

```
int PrintJob.GetRotation();
```

### Description

Returns the page rotation mode of the specified print job.

### Returns

- 0     Auto
- 1     Portrait
- 2     Landscape

## PrintJob.GetScaling

```
int PrintJob.GetScaling();
```

### Description

Returns the scaling mode of the specified print job.

## PrintJob.GetCustomScale

```
double PrintJob.GetCustomScale();
```

### Description

Returns the custom scale percentage of the specified print job.

### Returns

- 0     Fit
- 1     Shrink oversized pages
- 2     Actual size
- 3     Custom scale, use GetJobCustomScale to get the current value

## PrintJob.GetPaperSource

```
int PrintJob.GetPaperSource();
```

### Description

Returns the paper source ID of the specified print job.

## PrintJob.GetPaperSize

```
int PrintJob.GetPaperSize();
```

### Description

Returns the paper size ID of the specified print job.

## PrintJob.GetPageListCount

```
int PrintJob.GetPageListCount(int documentIndex);
```

### Description

Returns the number of pages in the page list for the specified print job.

### Parameters

int documentIndex	The index of the document to get the page list count for. The first document has an index of 0.
-------------------	---

## PrintJob.GetPageListItem

```
int PrintJob.GetPageListItem(int documentIndex, int itemIndex);
```

### Description

Returns the page number with the specified index of the specified print job.

### Parameters

int documentIndex	The index of the document to get the page list item for. The first document has an index of 0.
int itemIndex	The index of the item to set the page list for. The first item has an index of 0.

## PrintJob.GetPriority

```
int PrintJob.GetPriority();
```

### Description

Returns the priority of the specified print job.

## PrintJob.GetQuality

```
int PrintJob.GetQuality();
```

### Description

Returns the quality of the specified print job.

## PrintJob.GetDocumentName

```
string PrintJob.GetDocumentName();
```

### Description

Returns the document name of the specified print job.

## PrintJob.GetCollate

```
int PrintJob.GetCollate();
```

### Description

Returns the collation setting of the specified print job.

## PrintJob.GetPrinter

```
string PrintJob.GetPrinter();
```

### Description

Returns the name of the printer of the specified print job.

## PrintJob.SetAutoCenter

```
void PrintJob.SetAutoCenter(bool isAutoCenter);
```

### Description

Sets auto-center mode of the specified print job. Auto-center means placing the PDF pages in the center. If not set, not auto-center mode will be used as default.

### Parameters

bool isAutoCenter	The auto-center mode of the specified print job. true=auto-center false=not auto-center
-------------------	---



## PrintJob.IsAutoCenter

```
bool PrintJob.IsAutoCenter();
```

### Description

Checks auto-center mode of the specified print job.

### Returns

true	Auto-center
false	Not auto-center

## PrintJob.SetPrintUnitType

```
int PrintJob.SetPrintUnitType(int unitType);
```

### Description

Sets the unit type for the margin of print.

### Parameters

int	unitType	The margin of print unit type. The default value is 0. 0=Inch 1=Centimeter 2=Millimeter
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### Returns

0	The margin of print unit type setting failed.
1	Success

## PrintJob.GetPrintUnitType

```
int PrintJob.GetPrintUnitType();
```

### Description

Gets the margin of print unit type.

### Returns

0	Inch
1	Centimeter
2	Millimeter

## PrintJob.SetLeftMargin

```
void PrintJob.SetLeftMargin(double leftMargin);
```

### Description

Sets the left margin for the print page. (Note: The left margin must not exceed half of the paper's width.)

### Parameters

double leftMargin    The left margin value in the specified unit (inches, centimeters, or millimeters) which is set by the SetPrintUnitType interface.

## PrintJob.GetLeftMargin

```
double PrintJob.GetLeftMargin();
```

### Description

Returns the left margin of the print page in the specified unit (inches, centimeters, or millimeters) which is set by the SetPrintUnitType interface.

## PrintJob.SetRightMargin

```
void PrintJob.SetRightMargin(double rightMargin);
```

### Description

Sets the right margin for the print page. (Note: The right margin must not exceed half of the paper's width.)

### Parameters

double rightMargin    The right margin value in the specified unit (inches, centimeters, or millimeters) which is set by the SetPrintUnitType interface.

## PrintJob.GetRightMargin

```
double PrintJob.GetRightMargin();
```

### Description

Returns the right margin of the print page in the specified unit (inches, centimeters, or millimeters) which is set by the SetPrintUnitType interface.

## PrintJob.SetTopMargin

```
void PrintJob.SetTopMargin(double topMargin);
```

### Description

Sets the top margin for the print page. (Note: The top margin must not exceed half of the paper's height)

### Parameters

double topMargin      The Top margin value in the specified unit  
(inches, centimeters, or millimeters) which is set by the SetPrintUnitType interface

## PrintJob.GetTopMargin

```
double PrintJob.GetTopMargin ();
```

### Description

Returns the top margin of the print page in the specified unit  
(inches, centimeters, or millimeters) which is set by the SetPrintUnitType interface.

## PrintJob.SetBottomMargin

```
void PrintJob.SetBottomMargin (double bottomMargin);
```

### Description

Sets the bottom margin for the print page. (Note: The bottom margin must not exceed half of the paper's height)

### Parameters

double marginBottom      The bottom margin value in the specified unit  
(inches, centimeters, or millimeters) which is set by the SetPrintUnitType interface

## PrintJob.GetBottomMargin

```
double PrintJob.GetBottomMargin ();
```

### Description

Returns the bottom margin of the print page in the specified unit  
(inches, centimeters, or millimeters) which is set by the SetPrintUnitType interface.