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Introduction

The on-demand book printing industry has made self-publishing available to anyone with a computer and internet access. The default document format for this industry is the PDF, a cross-platform format which is easy to export from word processing, music composition, or graphic design software. After you have finished the hard work of creating the content for your book, the book must be properly organized and paginated before uploading to the printer. It is logical to create separate documents for the different parts of your book when you are creating the content; however, on-demand printers require a single PDF file to be submitted for your book. Obviously, this poses a problem when you’ve been working with separate documents. How do you combine the documents, and then number the pages properly? Do you really need to buy an expensive software to prepare your book? What if you want to add a watermark? This is where PDF Bookmaker comes in.

What is PDF Bookmaker?

PDF Bookmaker for OSX and Windows is a simple solution for preparing your book for the on-demand print industry. With PDF Bookmaker, you can easily organize, scale and combine any number of PDF files, add page numbers to page corners or centers, hide, show, and position page numbers as needed, add watermarks, and export your book as a single document in the format required by on-demand printers: PDFX-1a.

About this Documentation

Using PDF Bookmaker is simple, but preparing a book for printing is all about the details, and it is a good idea to give this documentation a careful reading. The first chapter explains some basic aspects of using the software, and subsequent chapters explain what is found on each page of the PDF Bookmaker window when toolbar items are selected. A short section on troubleshooting is followed by an appendix which discusses the creation of a Table of Contents and an Index.

Interface Basics

PDF Bookmaker provides a single-window interface with common controls for preparing your book. Click the icons grouped to the left in the toolbar to prepare your book’s contents.

The Make Book icon is to be used once you have imported and prepared the contents of your book.
Bug Reporting and Feedback

Please report any problems you experience with PDF Bookmaker directly by using the menu item Report a Bug… (Please also see the Troubleshooting section). Do you have an idea which would improve the software? Use the menu item Request a Feature… You may also send feedback and suggestions by email directly to matherpointsoftware@zentral.zone

Kindly do not post complaints about this software in Mac App Store Reviews, as there is no way to correspond with you to correct the problem in that case. When you report bugs directly as described above, email correspondence can take place to resolve the issue promptly. Your consideration is much appreciated.
1. Basics

Here are instructions for some basic things you will be doing often with PDF Bookmaker.

Starting a New Project
PDF Bookmaker opens ready to begin a new project. If you have opened a project and you want to switch to a new project without quitting, simply use the menu item File > New or use the key shortcut Command-N.

Importing PDFs
The Front, Body, and Back toolbar items of PDF Bookmaker open pages which have lists ready to be populated with your PDF documents. For example, an empty Front Matter list is shown below.

![Front Matter list](image)

Documents can be added to this list in two ways. First, you can simply drag and drop files into the listbox. Alternatively, you can click the plus button at the upper left corner of the listbox header, which shows you a menu allowing you to import single file, or a whole folder of files at once.

![Import menu](image)

PDF Bookmaker are not live-linked to the source files. Instead, PDF Bookmaker makes internal copies of each PDF that you import. This means that after importing a document, if you open that same document in an editor and make a change, that change will not be made in the document you have imported into PDF Bookmaker You must delete the old document from the list in PDF Bookmaker, and import the new version, or use the replace PDF function (see the section on Replacing PDF Documents below).

If you make changes to a PDF document after importing it into PDF Bookmaker, you must remove the old PDF from the list and import the newly revised document, or use the replace PDF function.
Importing Postscript Documents (Mac OSX only)

Mac OSX users can import Postscript documents (files with extension .ps) in the same manner as PDF documents. Simply drag and drop the Postscript files into the desired list, or select the .ps file in the Open file or folder dialog. Mac OSX takes some seconds to convert each Postscript file to PDF, and a progress bar is shown during file conversion. Once the files have been converted to PDF, they are available within your project.

![Progress bar showing file conversion](image)

Scaling Imported Document Size

Sometimes you may want to import source files of different sizes. PDF Bookmaker allows you to do this, but if the different sizes are not scaled, the resulting PDF will then appear with pages of different sizes, which can be problematic for document printing. Therefore, PDF Bookmaker allows you to scale the size of each imported document. To scale a PDF, right-click (or Control-click) the document name in the list. A popup menu will appear with the option scale PDF.

![Popup menu with scale PDF option](image)

After scaling the document, the selected scaling appears left of the document name in the list.

![Scaled document list](image)

Documents which have the same aspect ratio can then be made to appear the same size. For example, if you have one document which is 8.5 x 11 in. and another that is 10.625 x 13.75 in., scaling the second document at 80% results in a combined document of consistent size 8.5 x 11 in. If the aspect ratios of the source files are different, you should scale the large document by its largest side to fit within the smaller document. The content of most PDF documents is vector based, so it is also possible to scale smaller documents larger than 100%; however, not all contents will necessarily scale without degrading quality, so it is usually best practice to only scale larger sizes down.
Removing Imported PDFs
To remove a PDF you have imported into a list, simply select the document in the list and click the minus button.

![Remove File]

A warning message will be shown unless you hold down the Command key when you click the minus button.

Note that only entire PDF documents can be removed. Pages within a document cannot be removed.

Reordering Imported PDFs
To change the order of imported PDFs, simply select the file you want to move in the list, and drag it up or down within the list. Note that pages within a PDF cannot be reordered.

Hiding and Showing Page Numbers
If the pages of your book are not already numbered, you will want to use the page numbering functions of PDF Bookmaker. Some pages of your book should not have visible page numbers, such as the Title page in the Font Matter, and first pages of Parts, Sections, or Chapters in the Body (which may have page numbers only at the bottom — see next section below). You must select each page that should be hidden, and mark is as such in each list. To mark a page number as hidden, first expand the document contents by clicking the triangle at its left.

![Pages]

Then click on the triangle in the Pages column next to the page number you want to show or hide. A menu appears with the option to change the current state of the page. If the page
number is currently hidden, the menu displays *show page number*. If the page number is currently showing, the menu displays *hide page number*.

Select the option for the given page. Page numbers that are hidden appear in parentheses.

**Selectively Forcing Page Numbers to the Bottom**

The page numbering menu also provides an option to *force page number to bottom*. This is useful when you want to number the pages of your book at the top, but you do not want to hide page numbers for your Parts, Sections, and Chapters (which are not supposed to have numbers showing at the top). The numbers for those pages can be written at the bottom of the page instead, using this menu option for any page in your book.

Page numbers which have been forced to the bottom are listed inside angle brackets.
Replacing PDFs

There are times when you need to replace a PDF document in your project, but you do not want to lose the work you did hiding and showing pages, and forcing page numbers to the bottom for that document — for example, when a typo in the source file has been corrected. To replace a PDF and keep the page hiding, showing, and force-to-bottom information, select the document and right-click (or Control-click) the document name. A popup menu will appear with the option replace PDF.

An open file dialog will appear, and the PDF you select for import will retain the hidden page numbers and force-to-bottom settings from the previous file.

About .pdfbookmaker Project Files

A PDF Bookmaker file contains all the PDF files that you have imported into the project, and all of the information about how you are organizing, paginating, and watermarking your book. It does not contain the final output file of your book. That file is generated only when you click the Make Book icon. PDF Bookmaker project files are transportable between OSX and Windows versions of the application.
2. Details

A PDF document can include information (metadata) about its title, author, subject, and producer (publisher). The first page in the PDF Bookmaker window gives you a place to add this information to your final document. Some simple document statistics are also given, showing at a glance the numbers of PDFs and pages in the different parts of your book.

Adding and Removing Details

The Titles of your books will seldom be exactly the same, but it is likely that the Author, Subject, and Publisher may be the same from one project to the next. To save you time, PDF Bookmaker handles these details using menu lists. The plus and minus buttons to the right of each menu give you a simple way to add and remove items from each list.

Exporting Project PDFs and a Project Manifest

In cases where you have converted Postscript files to PDF (Mac OSX users only), you may want to export those files as individual PDF documents for other uses. You may also want to review the details of your project. The Export buttons are given for these purposes. These options are also available as items under the File menu.
3. Front Matter

The Front Matter is important for stating copyright, introducing your work, showing your reader how the work is organized in a table of contents, and generally setting the tone for the content which follows.

What should be included the Front Matter?

The list of items which can be included in the front matter is quite long, and the optional items which are placed here are so widely varied that it is impossible to provide an exhaustive reference. A short list of items often included in the front matter is given below.

- Title Page* (right facing)
- Copyright Page* (left facing)
- Dedication
- Table of Contents* (right facing)

Some additional possibilities are tables of contents for other kinds of things included in the book, such as photographs, figures, or illustrations. The few items which every book should have in its Front Matter are marked in the above list with asterisks.
Blank pages should be inserted so that pages face right as needed. A blank page is often appended to the end of the Front Matter. It should be noted that an important part of the Front Matter is a Table of Contents, the generation of which is not handled by PDF Bookmaker. For more information, see Appendix A: Making a Table of Contents.

**Front Matter Page Numbering**

Pages in the Front Matter are normally numbered using Roman Numerals, in a series which remains separate from the Body and Back Matter of the book. This allows easier editorial changes in the front matter content, ensures that the Table of Contents as a numbered page does not refer to itself, and that the index does not need to be changed if the number of pages in the Front Matter changes, which will often happen with different printings of a book. If Arabic numerals are used, then the pages of the book are simply counted from beginning to end, which can make sense if the front matter is minimal and an index does not exist.

Pages which should have visible numbers in the Front Matter are those containing extended text such as the Preface, Foreword, Introduction, etc. The Table of Contents may or may not be numbered. All other pages should not show page numbers, but all pages are counted; for example, the beginning of a single-page Preface with five unnumbered pages preceding it will be marked with the Roman Numeral six, or vi, as shown below. See Chapter 6: Numbers for an example case study numbering Front Matter.
4. Body

The body is the (mandatory) main content of your book, which can consist of Parts, Sections, and Chapters (in that order). Academic and scientific texts may use other headings.

**Body Page Numbering**

The page numbers of the body normally begin with 1 and continue counting through the Back Matter of the book. The Body may begin with another number when the Front Matter uses Arabic Numerals instead of the traditional Roman numerals, and in this latter case, numbers are often entirely hidden in the Front Matter. Hidden page numbers are still counted.

Body page numbers may be at the top or bottom of each page, and in the center or at the corners of each page. Traditionally, page numbers do not appear on the first page of each part, chapter, and section of the Body, unless the number is at the bottom. In these cases, you must hide each page number individually. You can avoid the need to selectively hide page numbers by simply opting for page numbers at the bottom corners of your book, although this may look somewhat less standard. See *Chapter 6: Numbers* for an example case study.
5. Back Matter

The Back Matter is completely optional, and contains things like a glossary, bibliography, endnotes, and an index.

**Back Matter Page Numbering**

Page numbers continue from the Body through the Back Matter, to the final page of the book which contains text. Blank pages are often added at the back of the book by the printer as a technical matter of page arrangement in the printing process, and those pages are not numbered.

An important part of the Back Matter is an Index, the generation of which is not handled by PDF Bookmaker. For more information, refer to *Appendix B: Making an Index*
6. Numbers

PDF Bookmaker provides a simple interface for choosing the font, size, style, and placement of the page numbers for your book, helping you handle the task of page numbering properly.

Two kinds of Page Numbers

Most books should use Roman Numerals for the Front Matter, and any book which contains an index must use Roman Numerals in the Front Matter, but certain texts may have minimal content in the Front Matter and no index may opt to use Arabic numerals in the Front Matter.

Turning Off Page Numbering

If the pages of your book are already numbered correctly, you will not need to use the page numbering functions of PDF Bookmaker. In this case, after importing your PDFs, simply click the Numbers toolbar item and uncheck the page numbering options at the top of the window.
Note that these checkboxes are always on by default, and their states cannot be changed until you have imported your PDFs. When you uncheck these options, page numbering is not applied to your project.

**Page Number Placement**

The majority of books should use the default locations provided by PDF Bookmaker for each kind of page number, but you may wish to select from the given options. The \textit{x-margin} and \textit{y-margin} numbers indicate points in increments of 1/72 of an inch.

**Page Number Fonts**

You have the option to choose the font, size and style of both kinds of page numbers used in your book. Page numbers cannot exceed 12 pt text size. Also be aware that the way fonts appear on a page has to do with how the font is designed, and design aspects such as baseline and kerning will affect the placement of the font. Because these aspects vary from one font to another, you may need to experiment with different \textit{x-margin} and \textit{y-margin} values when using different fonts. Furthermore, due to PDFX-1a restrictions, not all fonts will appear when embedded into your final document, so some trial and error may be needed.

Page number fonts are limited to 12 pt maximum size, and not all fonts can be used for page numbers. Position varies by design with font baseline and kerning. Some trial and error may be necessary to find out which fonts will work on your system.
Example Case Study: Numbering Front Matter Pages

Page numbering of the Front Matter can be done in several different ways. An example Front Matter from a hypothetical project is given below.

1. Half Title (right)  
2. Blank  
3. Title  
4. Copyright  
5. Dedication  
6. Blank  
7. Foreword page 1  
8. Foreword page 2  
9. Table of Contents (TOC)  
10. Blank

Note that all odd numbered pages face right, and blank pages are inserted facing left so that pages with content will face right as needed.

There are several options for handling the numbering of these pages.

• Visible page numbers in Roman numerals (Foreword and TOC only)

This is the default industry standard, and also the default setting in PDF Bookmaker. Page numbers 1 through 6 should be hidden, pages 7 through 9 should be numbered with Roman numerals at the bottom center, the number for page 10 should be hidden, and the Body will begin its page numbers with the Arabic numeral 1.

• No visible page numbers

This is a viable time-saving solution, often used for music scores. In this case, uncheck Use Roman Numerals and simply hide all page numbers in the Front Matter. PDF Bookmaker will then begin page numbers for the Body with the number 11.

• Visible page numbers in Arabic numerals (Foreword and TOC only)

This is the most unconventional option. Uncheck Use Roman Numerals and selectively hide numbers 1 through 6. Pages 7 through 9 should be numbered at the bottom and should be aligned horizontally in the manner selected for the Body and Back Matter. The number for page 10 should be hidden, and the Body will continue the page count in Arabic numerals, beginning its first page with the Arabic number 11.
Example Case Study: Numbering Body Pages

Page numbering of the Body is more subtle than it may appear. An example Body from a hypothetical novel is given below.

- Part 1 (right)
- Blank (left)
- Chapter 1 (36 pages, begins right)
- Chapter 2 (22 pages, begins right)
- Chapter 3 (45 pages, begins right)
- Chapter 4 (30 pages, begins left)
- Chapter 5 (57 pages, begins left)
- Part 2 (right)
- Blank (left)
- Chapter 6 (30 pages, begins right)
- Chapter 7 (18 pages, begins right)
- Chapter 8 (44 pages, begins right)
- Chapter 9 (35 pages, begins right)
- Epilogue (10 pages, begins left)
- Blank (left)

Note that the Body should begin on a page facing right, and a blank page is often inserted at the end of the Front Matter for this purpose.

Internal Part and Chapter pages may face right or left. A greater sense of order is given when the first chapter of each part begins facing right, with blank pages inserted as needed.

Page numbers should be placed at the top of the page at the corners, which is the default setting in PDF Bookmaker. To prepare this content, you would do the following.

- Make sure Body is checked in the Numbers window (this is the default setting)

![Body]

- Hide page numbers for the Part 1 page, the Part 2 page, and the three Blank pages.
- Either hide page numbers for the first page of each Chapter, or force these page numbers to the bottom.

See Chapter 1: Basics for instructions on hiding page numbers and forcing page numbers to the bottom.
7. Watermarks

A digital watermark can be added to your book as transparent PDF layer, which can be visible only in print, or visible both on screen and in print. The mark itself usually consists of large uppercase diagonally aligned text. While watermarks should not be considered a high level form of copy protection, they do remind readers of copyright laws. Watermarks are also useful for things like creating different versions of your book that are clearly marked as such. For example, a watermark might read DRAFT, or REWRITE both on screen and in print. Watermarks are also useful for final versions which can be read on screen normally, but which when printed appear with a prohibition in the watermark.

Watermark Visibility

A typical print-only watermark includes the word SAMPLE, and may also include the name of the publisher, copyright information, or warnings against copying the work. Obviously, you should not include a watermark in the final version of your book for submission to the printer. Note that when viewing PDFs within a browser, watermark layers which are supposed to only appear in print may also appear on screen in the browser. This is because some browsers do...
not support the full range of PDF functions. Note also that watermark layers can be removed using Adobe Acrobat Pro or other high level PDF editing software, and for this reason, you should not rely on a watermark as a form of copy protection. It is possible to turn every page of your PDF into an image (sometimes called a deep burn) but this increases the size of your document file and usually reduces the viewing quality of its content.

**Selective Watermark Visibility Per Page**

Once print watermark has been selected, a new option appears in the page number column of each document list, to selective hide the watermark per page. For example, you may not want the watermark to appear on your title page, or other parts of the Front Matter.

![Selective Watermark Visibility Per Page](image)

Once a watermark has been hidden from a page, that page number appears within curly brackets in the list.
Custom Text Watermarks

PDF Bookmaker offers several typical options for adding watermarks to your book, but there may be times when you want to also add your own custom text. Simply click the custom text button and type in the text you want to appear as a watermark. Any custom text you add to a project becomes available to all future projects.

Imported Image Watermarks

You may also import your own image as a watermark, so that your company logo can appear, and you can also cover a wider area of the page with the watermark. The image must be a PNG with a completely transparent background, at least 50% transparent text, and should be a minimum 800x800 pixels in size. Smaller images will be stretched to fit the page, but will likely appear in a poor looking pixelated form. Any custom images you add to a project become available to all future projects.
8. Make Book

Once you have organized the contents of your book with page numbers as you prefer and optional watermark, it is time to make your book. Simply click the Make Book icon.

PDF Bookmaker will show a progress bar briefly while all imported PDFs are combined, numbered and watermarked.

You will then be prompted to provide a location in which to save the resulting PDF file. If the file already exists, make sure that it is not open in another software, such as Adobe Reader, because a PDF document which is open in another application cannot be replaced as long as it is in use, even though Mac OS may ask you if you want to replace it and proceed as if the file saves normally.

To save and replace a document which exists with the same name, you must make sure the existing document is not open in any other software. If you forget to close a file in another application, PDF Bookmaker will prompt you to close the open file, so that you can save the document without going through the Make Book process again.
9. Troubleshooting

Some technical issues you may run into when using PDF Bookmaker are addressed below.

Page Numbers Are Not Showing
Some fonts will not appear when you attempt to use them as page numbers in your final PDF, even though they are selectable from the popup menu. This problem has to do with different font file types and restrictions on the types of fonts conforming to PDFX-1a guidelines. Commonly used fonts will work, but some trial and error may be necessary for unusual fonts.

Watermark Font Is Incorrect
The font used for text Watermarks is StencilStd.otf (by Adobe) and this font is activated by PDF Bookmaker at startup. If the Watermark does not appear with this font, you will need to install it on your system manually. The font can be found in the following location.

```
Mac OSX: PDF Bookmaker/Contents/Resources/PDFBookmaker/StencilStd.otf
Windows: PDF Bookmaker/PDF Bookmaker Libs/StencilStd.otf
```

Pages Are Not All the Same Size
PDF Bookmaker does not crop your PDF files. Your final document is a combination of all the files you import, and it is up to you to make sure that page sizes from different files match each other either in size or aspect ratio.

```
You must make sure that your source files are all the same page size, or the same aspect ratio if you are scaling some documents
```

My Issue Is Not Addressed Here
Please refer to the Introduction under Bug Reporting and Feedback.
APPENDIX A: Making a Table of Contents

An important aspect of book preparation is the Table of Contents (TOC), which should be part of the Front Matter of every book. The TOC refers directly to page numbers of the Body (and Back Matter, if it exists), which may be generated by PDF Bookmaker. Here are some tips for efficiently making the TOC for your book when working with the page numbering functions of PDF Bookmaker.

**Using a Word Processor TOC function**

If the Body of your book consists of a single file, making a TOC for that content may be as simple as using the TOC function in your word processing software. For example, Apple Pages has such a function, which works easily as long as you have used the special formatting tools for the headings you want to include in the table. However, in PDF Bookmaker, the Table of Contents must be in the Front Matter of your book, not the Body. In this case, simply follow the directions below.

1. Use the heading functions of your Word Processor within the Body of your text.
2. Use the Word Processor TOC function to insert a TOC at the end of the Body text*
3. Click inside the TOC, select all, and copy the text of the TOC
4. Open a new file in the Word Processor and paste the copied contents of the TOC.
5. Format the TOC as desired and export it as a separate PDF.
6. Import the TOC file into the Front Matter and move it to the correct place in the list.

* This ensures that the page numbers will be correct. (Inserting at the beginning will change the page count and all numbers will be off by the number of pages taken by the table).

**Making a TOC By Hand**

If the software you use lacks a TOC function, you will simply have to make the table by hand. In this case, do the following.

1. Be sure to use Roman Numerals in the Front Matter, and temporarily omit the TOC.
2. Organize the Body and Back Matter in PDF Bookmaker, and make your book.
3. Open the resulting document and create a table of contents accordingly by hand.
4. Export the completed Table of Contents as PDF, and import it into the Front Matter list.
5. Make your book again.

Depending on how you have organized your book, you may need to use a combination of both methods above. In any case, when including a TOC, simply make sure that page number correlations are correct.
APPENDIX B: Making an Index

Unlike a Table of Contents, which is a mandatory part of the Front Matter, an Index is a strictly optional part of the Back Matter. Like the TOC, the Index also refers directly to page numbers within the Body of your book, and those page numbers may be generated by PDF Bookmaker. It may seem that indexing your book should be a simple matter which PDF Bookmaker could do for you, but such a function is in fact rather complicated and beyond the scope of this software. Indexing documents in any language, using a variety of organizing paradigms, etc. is involved enough to merit its own application, and there exist options from other companies for this purpose. Here are some tips for efficiently handling an Index for your book when working with the page numbering functions of PDF Bookmaker.

Using Index Generating Software

Software does exist to help you create a basic index for your book consisting of keyword matches within the text. In this case you should simply import PDFs exported from that software to be included in the Back Matter of your Book. Be aware however that this approach will not give you a professional-grade index, but it may be better than no index at all.

Making an Index By Hand

Computer software cannot yet analyze your book the way a human mind can; matching topics and concepts is much more complex than simply matching words. A hand-made Index will therefore be more sophisticated than an automatically generated index. When making an index by hand and using the page numbering functions of PDF Bookmaker, follow these steps to ensure that your page numbers will be correct.

1. Be sure to use Roman Numerals in the Front Matter, and temporarily omit the Index.
2. Organize the contents of your book in PDF Bookmaker, and make the book.
3. Open the resulting document and create an index accordingly by hand.
4. Export the completed Index as a PDF, and import it into the Back Matter list.
5. Make your book again.

In any case, when including an index, you must make sure that your index page numbers correlations are correct.
Credits

PDF Bookmaker was designed and programmed by Aaron Andrew Hunt, using Xojo and MBS Plugins on a Mac.

This documentation was written by Aaron Andrew Hunt, using Apple Pages.

Thank you for supporting Mather Point Software and PDF Bookmaker.

©2015 Mather Point Software … Software that goes BOOM!