



# Minimal Books

## Manual

Simple and complete books without introducing new syntax.

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min-book

1.1.0

MIT

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## QUICK START

```
#import "@preview/min-book:1.1.0": book
#show: book.with(
  title: "Book Title",
  subtitle: "Book subtitle, not more than two lines long",
  authors: "Book Author",
)
```

## DESCRIPTION

Generate complete and complex books, without any annoying new commands or syntax, just good old pure Typst. This package manipulates the standard Typst elements as much as possible, adapting them to the needs of a book structure in a way that there's no need to learn a whole new semantic just because of *min-book*.

For some fancy book features there is no existing compatible Typst element to re-work and adapt; in those cases, this package do provide additional commands that are completely optional, for the sake of completeness.

This package comes with some thoughtful ready-to-use defaults but also allows you to play with highly customizable options if you need them, so it's really up to you: customize it your way or ride along the defaults — both ways are possible and encouraged.

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\*<https://github.com/mayconfmelo>

## OPTIONS

These are all the options and its defaults used by *min-book*:

```
#import "@preview/min-book:1.1.0": book
#show: book.with(
  title: none,
  subtitle: none,
  edition: 0,
  volume: 0,
  authors: none,
  date: datetime.today(),
  cover: auto,
  titlepage: auto,
  catalog: none,
  errata: none,
  dedication: none,
  acknowledgements: none,
  epigraph: none,
  toc: true,
  part: auto,
  chapter: auto,
  cfg: auto,
  body
)
```

**title:**    string   content (required)

Main title.

**subtitle:**    string   content   none

Subtitle, generally two lines long or less.

**edition:**    int

Publication number, used when the content is changed or updated in a new release after the original publication.

**volume:**    int

Series volume number, used when one extensive story is told through multiple books, in order.

**authors:**    string   array of strings (required)

Author or authors.

**date:**    `datetime` `array` `dictionary`

Publication date — can be a (year, month, day) dictionary/array.

**cover:**    `auto` `content` `image` `none`

Cover — generated automatically, using Typst, or using an image.

**titlepage:**    `auto` `content` `none`

Title page, shown after cover — generated automatically or using Typst.

**catalog:**    `dictionary` `toml` `yaml`

Cataloging in publication board, used for library data — see CATALOGING IN PUBLICATION.

**errata:**    `content` `string`

A text that corrects errors from previous book editions.

**dedication:**    `content` `string`

A brief text that dedicates the book in honor or in memorian of someone important — can accompany a small message directed to the person.

**acknowledgements:**    `content` `string`

A brief text to recognize everyone who helped directly or indirectly in the process of book creation and their importance in the project.

**epigraph:**    `quote` `content`

A short citation or excerpt from other works used to introduce the main theme of the book; can suggest a reflection, a mood, or idea related to the text.

**toc:**    `boolean`

Generate table of contents.

**part:**    `auto` `string` `none`

Name of the main divisions of the book — defaults to the name “Part” in book language if not set manually.

**chapter:**    `string` `none`

The name of the sections of the book — defaults to the name “Chapter” in book language if not set.

**cfg:** dictionary

Custom advanced configurations, used to fine-tune some aspects of the book — see **ADVANCED CONFIGURATIONS**.

**body** content

The book content.

## ADVANCED CONFIGURATIONS

```
cfg: (
  numbering-style: auto,
  page: "a5",
  lang: "en",
  transl: read("l10n/" + cfg.lang + ".ftl"),
  justify: true,
  line-space: 0.5em,
  par-margin: 0.65em,
  first-line-indent: 1em,
  margin: (x: 15%, y: 14%),
  font: ("TeX Gyre Pagella", "Book Antiqua"),
  font-math: "Asana Math",
  font-mono: "Inconsolata",
  font-size: 11pt,
  heading-weight: auto,
  cover-bgcolor: rgb("#3E210B"),
  cover-txtcolor: luma(200),
  cover-fonts: ("Cinzel", "Alice"),
  cover-back: true,
  toc-indent: none,
  toc-bold: true,
  chapter-numrestart: false,
  two-sided: true,
  link-readable: true,
)
```

These `#book(cfg)` configurations allows to modify certain aspects of the book and manage its appearance and structure. Built with some thoughtful ready-to-use defaults that make its use optional, so that beginners and casual writers can safely ignore it and *just write*.

**numbering-style:** array of strings string none

Custom heading numbering — a standard numbering or a *numbly*<sup>1</sup> numbering.

**page:** dictionary string

Page configuration — directly set `#page(..cfg.page)` arguments or only `#page(paper: cfg.page)` when string.

**lang:** string

Book language.

**transl:** string read

Fluent translation file — defaults to the standard translation file for book language, if supported (see files inside `/src/l10n/` directory), or `#panic`.

**justify:** boolean

Text justification.

**line-space:** length

Space between each line in a paragraph.

**par-margin:** length

Space after each paragraph.

**first-line-indent:** length

indentation of the first line of each paragraph in a sequence, except the first one.

**margin:** length

Page margin.

**font:** string array of strings

Text font family, and fallback options — see the `README.md` file to download the default font.

**font-math:** string array of strings

Math font family, and fallback options — see the `README.md` file to download the default font.

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<sup>1</sup><https://typst.app/universe/package/numbly>

**font-mono:** `string` `array of strings`

Monospaced font family, and fallback options — see the `README.md` file to download the default font.

**font-size:** `length`

Text font size.

**heading-weight:** `"regular"` `"bold"` `auto`

Heading font weight (thickness) — defaults to regular only in levels 1–5, and then bold headings.

**cover-bgcolor:** `color`

Cover background color when `#book(cover: auto)`.

**cover-txtcolor:** `color`

Cover text color when `#book(cover: auto)`.

**cover-fonts:** `array of strings`

Cover font families when `#book(cover: auto)` — an array (TITLE, TEXTS) for title and text fonts, respectively.

**cover-back:** `boolean`

Generate a back cover at the end of the document when `#book(cover: auto)`

**toc-indent:** `length` `auto` `none`

Indentation of each table of contents entry — when `none`, all entries of level 2+ are equally indented by 1.5em.

**toc-bold:** `boolean`

Allows bold fonts in table of contents entries.

**chapter-numrestart:** `boolean`

Make chapter numbering restart after each book part.

**two-sided:** `boolean`

Optimizes the content to be printed on both sides of the page (front and back), with important elements always starting at the next front side (oddly numbered) — inserts blank pages in between, if needed.

**link-readable:** `boolean`

Enable paper-readable links, which inserts the clickable link alongside a footnote to its URL.

## ADVANCED NUMBERING

The book headings can be numbered two ways: using a *standard*<sup>2</sup> numbering string or a *numbly*<sup>3</sup> numbering array. Strings are more simple and easy to use, while arrays are more complete and customizable.

By default, *min-book* uses slightly different numbering when `#book(part)` is enabled or disabled, that's why *parts* and *chapters* appear to have independent numbering when used. The `#book(cfg.numbering-style)` option allow to set a custom numbering used whether `#book(part)` is enabled or disabled.

## BOOK PARTS

```
#show: book.with(
  part: "Act",
)
= This is a part! // Act 1
```

Some larger books are internally divided into multiple *parts*. This structure allows to better organize and understand a text with multiple sequential plots, or tales, or time jumps, or anything that internally differentiate parts of the story. Each book can set different names for them, like parts, subjects, books, acts, units, modules, etc; by default, *min-book* tries to get the word for “Part” in `#book(cfg.lang)` language as its name (fallback to English).

When set a value (string), all level 1 headings become *parts*: they occupy the entire page and are aligned at its middle; some decorative frame also appear when `#book(cover: auto)`.

## BOOK CHAPTERS

```
#show: book.with(
  chapter: "Scene",
)
= This is a chapter! // Scene 1

#show: book.with(
  part: none,
  chapter: "Scene",
)
= This is a chapter! // Scene 1
```

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<sup>2</sup><https://typst.app/docs/reference/model/numbering/>

<sup>3</sup><https://typst.app/universe/package/numbly>

In most cases, books are divided into smaller sections called chapters. Generally, each chapter contains a single minor story, or event, or scene, or any type of subtle plot change. Each book can set different names for them, like chapters, sections, articles, scenes, etc; by default, *min-book* tries to get the word for “Chapter” in `#book(cfg.lang)` language as its name (fallback to English).

Chapters are smart: when set a value (string), if `#book(parts: none)` all level 1 headings become chapters; otherwise, all level 2 headings become chapters — since the level 1 are parts.

## BOOK COVER

By default, *min-book* automatically generates a book cover if `#book(cover)` is not set, it’s also possible to set a custom cover image or create one using Typst code. The default automatic cover *code*<sup>4</sup> can be a good start as a base to create your own version.

## CATALOGING IN PUBLICATION

```
catalog: (
  id: none,
  place: none,
  publisher: none,
  isbn: none,
  subjects: (),
  access: (),
  ddc: none,
  udc: none,
  before: none,
  after: none,
)
```

These `#book(catalog)` options set the data used to create the “cataloging in publication” board. Other needed information are automatically retrieved from the book data, but at least one of these options must be explicitly set to generate the board; otherwise it will be just ignored.

**id:**    string   content

A *Cutter-Sanborn identification code*<sup>5</sup>, used to identify the book author.

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<sup>4</sup><https://typst.app/project/r2QBJy0CmrAmvMWT1NmUEW>

<sup>5</sup><http://www.cutternumber.com/>



**place:** string content

The city or region where the book was published.

**publisher:** string content

The organization or person responsible for releasing the book.

**isbn:** string content

The *International Standard Book Number*, used to identify the book.

**subjects:** array

A list of subjects related to the book; must be an array of strings.

**access:** array

A list of access points used to find the book in catalogues, like by "Title" or "Series"; must be an array of strings.

**ddc:** string content

A *Dewey Decimal Classification*<sup>6</sup> number, which corresponds to the specific category of the book.

**udc:** string content

An *Universal Decimal Classification*<sup>7</sup> number, which corresponds to the specific category if the book.

**before:** content

Content showed before (above) the cataloging in public ation board; generally editorial data like publisher, editors, reviewers, copyrights, etc.

**after:** content

Content showed after (below) the cataloging in publication board; generally additional information that complements the board data.

## ADDITIONAL COMMANDS

These commands are provided as a wa6 to access some fancy book features that cannot be implemented by re-working and adapting existing Typst elements. They are completely optional and is perfectly possible to write an entire book.

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<sup>6</sup><https://www.oclc.org/content/dam/oclc/dewey/ddc23-summaries.pdf>

<sup>7</sup><https://udcsummary.info/php/index.php>

## NOTE COMMAND

```
#import "@preview/min-book:1.1.0": note
#note(
  numbering-style: auto,
  content,
)
```

Adds an end note, an alternative for footnotes but placed inside of the page instead of its margins. End notes appear at its own page at the end of the current section, right before the next heading.

**numbering-style:**    `auto` `string`

Custom note numbering — a standard numbering string.

**content**    `content` (*required*)

The content of the end note.

## APPENDICES COMMAND

```
#import "@preview/min-book:1.1.0": appendices
#appendices(
  type: "appendix",
  title: auto,
  numbering-style: (
    "",
    "{2:A}.\n",
    "{2:A}.{3:1}. ",
    "{2:A}.{3:1}.{4:1}. ",
    "{2:A}.{3:1}.{4:1}.{5:1}. ",
    "{2:A}.{3:1}.{4:1}.{5:1}.{6:a}. ",
  ),
  body
)
```

Creates an special ambient to write or include multiple appendices. An appendix is any important additional data left out of the main document for some reason, but directly referenced or needed by it. Inside this ambient, all level 1 heading is a new appendix.

**title:**    `array of strings` `auto`

Appendix singular and plural names — an array (`singular`, `plural`), or defaults to ("Appendix", "Appendices") in book language.

**numbering-style:** `array of strings` `string`

Custom appendices numbering — a standard numbering or a *numbly*<sup>8</sup> numbering.

**body** `content`

The appendices content.

## ANNEXES COMMAND

```
#import "@preview/min-book:1.1.0": annexes
#annexes(
  type: "annex",
  title: auto,
  numbering-style: (
    "",
    "{2:A}.\n",
    "{2:A}.{3:1}. ",
    "{2:A}.{3:1}.{4:1}. ",
    "{2:A}.{3:1}.{4:1}.{5:1}. ",
    "{2:A}.{3:1}.{4:1}.{5:1}.{6:a}. ",
  ),
  body
)
```

Creates an special ambient to write or include multiple annexes. An annex is any important third-party data directly cited or referenced in the main document. Inside this ambient, all level 1 heading is a new annex.

**title:** `auto` `array`

Annex singular and plural names — an array (`singular`, `plural`), or defaults ("Annex", "Annexes") in book language.

**numbering-style:** `array of strings` `string`

Custom annexes numbering — a standard numbering, or a *numbly*<sup>9</sup> numbering.

**body** `content`

The annexes content.

## HORIZONTAL RULE COMMAND

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<sup>8</sup><https://typst.app/universe/package/numbly>

<sup>9</sup><https://typst.app/universe/package/numbly>

```
#import "@preview/min-book:1.1.0": horizontalrule
#horizontalrule(
  symbol: [#sym.ast.op #sym.ast.op #sym.ast.op],
  spacing: 1em,
  line-size: 15%,
)
```

Adds a horizontal rule, visual separators used to distinguish subtle changes of subject in extensive texts.

**symbol:** `content`

Decoration in the middle of the horizontal rule — defaults to 3 asterisks.

**spacing:** `length`

Vertical space before and after the horizontal rule.

The `#horizontalrule` command is also available as the smaller `#hr` alias.

## BLOCK QUOTE COMMAND

```
#import "@preview/min-book:1.1.0": blockquote
#blockquote(by: none, ..args)
```

Adds a block of quotation, a simple alias to `#quote(block: true)`, with a smaller and more semantic `#quote(attribution)` option as `#blockquote(by)`.

## TRANSLATION

Currently, *min-book* supports automatic translation for all languages represented by a file in `/src/l10n/` directory. When using other languages, just create a custom Fluent translation file and set it as `#book(cfg.transl)`. If no translation file is found or set for the language used, *min-book* will `#panic`.

Also consider contributing to the *min-book* project by submitting a translation pull request or even opening an issue — since most of the supported languages were originally translated by IA and may contain errors.

## COPYRIGHT

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