

The letterloom Package

Introduction

The letterloom package is a user-friendly and customizable template designed to streamline the creation of professional-looking letters. Whether for personal or business correspondence, it eliminates the challenges of traditional typesetting tools like LaTeX while delivering polished and elegant results.

Key Features:

- **Multiple Signatures:** Effortlessly include one or more signatures for joint communications or approvals.
- **Customizable Footnotes:** Add informative footnotes with flexible formatting options.
- **Enclosures and Attachments:** Clearly list additional documents included with the letter.
- **Internationalization Support:** Customize labels and text for different languages and regions.

Benefits:

- Simplifies the letter-writing process with an intuitive template.
- Eliminates the steep learning curve of tools like LaTeX.
- Delivers professional-quality output without requiring technical expertise.
- Supports multilingual documents with customizable labels.

Regardless of whether you are preparing a formal business correspondence, or crafting a personal letter, letterloom makes creating visually appealing documents both straightforward and efficient.

Usage

The letterloom package offers extensive customization options, enabling you to tailor your letters to suit various needs and preferences.

In the sections that follow, we will explore each parameter in detail, accompanied by practical examples demonstrating their usage.

Getting Started

To get started, here is a simple example demonstrating the essential arguments needed to use the letterloom package:

```
#import "@preview/letterloom:0.1.0": *  
  
#show: letterloom.with(  
  // Sender's contact information (name and address)  
  from: (  
    name: "Sender's Name",
```

```

    address: [Sender's Address]
),

// Recipient's contact information (name and address)
to: (
    name: "Receiver's Name",
    address: [Receiver's Address]
),

// Letter date (automatically set to today's date)
date: datetime.today().display("[day padding:zero] [month repr:long] [year repr:full]"),

// Opening greeting (e.g., "Dear Mr Hawthorne,")
salutation: "Dear Receiver's Name",

// Letter subject line
subject: "Subject",

// Closing phrase (e.g., "Yours sincerely,")
closing: "Yours sincerely",

// List of signatories with their names
signatures: (
    (
        name: "Sender's Name",
        // signature: image() // Add your signature image here
    )
),
)

// Write the body of your letter here

```

Required Parameters

This section covers the required parameters of the letterloom package, which define the essential elements of the letter including the sender, recipient, date, and signature.

from dictionary

Specifies the sender's name and address as a dictionary with the following keys:

name	str or content	The sender's name.
address	content	The sender's address.

Example:

```
from: (  
  name: "The Dimbleby Family",  
  address: [The Lodge \  
    Cheswick Village \  
    Middle Upton \  
    Bristol BS16 1GU]  
)
```

Note: By default, the sender's address is right-aligned. You can change this using the `from-alignment` parameter, which will also align the date field to match the selected alignment.

to `dictionary`

Specifies the recipient's name and address as a dictionary with the following keys:

<code>name</code>	<code>str</code> or <code>content</code>	The recipient's name.
<code>address</code>	<code>content</code>	The recipient's address.

Example:

```
to: (  
  name: "Evergreen Tree Surgeons",  
  address: [Midtown Lane \  
    Cheswick Village \  
    Stoke Gifford \  
    Bristol BS16 1GU]  
)
```

date `str` or `content`

Specifies the letter's date either as a string or content block.

Examples:

```
// Simple string format  
date: "01 January 1970"  
  
// Dynamic date using Typst's datetime functions  
date: datetime.today().display("[day padding:zero] [month repr:long] [year repr:full]")  
  
// Custom formatted date  
date: datetime.today().display("[weekday repr:long], [day] [month repr:long] [year]")
```

For custom formatting options, refer to [Typst's datetime formatting documentation](#).

salutation `str` or `content`

Specifies the greeting for the letter either as a string or content block.

Examples:

```
// Standard business salutation
salutation: "Dear Mr Hawthorne,"

// Formal salutation
salutation: "To Whom It May Concern,"

// Personal salutation
salutation: "Dear John,"
```

subject `str` or `content`

Specifies the subject line of the letter either as a string or content block.

Examples:

```
// Simple subject
subject: "Pruning of Heritage Oak Trees in the Dimbleby Estate"

// Styled subject with formatting
subject: text(weight: "bold")[#smallcaps("Pruning of Heritage Oak Trees in the Dimbleby Estate")]

// Subject with emphasis
subject: [Re: #emph[Urgent] Tree Maintenance Request]
```

closing `str` or `content`

Specifies the closing phrase of the letter either as a string or content block.

Examples:

```
// Formal business closing
closing: "Yours sincerely,"

// Less formal closing
closing: "Best regards,"

// Personal closing
closing: "With warm personal regards,"
```

signatures **array**

Specifies a list of signatories as an array of dictionaries, where each dictionary represents a signatory with the following keys:

name	str or content	The signatory's name.
signature	function <i>optional</i>	Typst image function specifying the location of the signature image. If omitted, a blank space is reserved for a physical signature.

Examples:

```
// Single signature
signatures: (
  (
    name: "Lord Albus Dimbleby",
    signature: image("images/albus-sig.png")
  )
)

// Multiple signatures
signatures: (
  (
    name: "Lord Albus Dimbleby",
    signature: image("images/albus-sig.png")
  ),
  (
    name: "Lady Abigail Dimbleby",
    signature: image("images/abigail-sig.png")
  ),
  (
    name: "Sir Austin Dimbleby"
    // No signature image - space left for physical signature
  )
)
```

Optional Parameters

The following optional parameters enable you to add additional fields like an attention line, a list of cc recipients, and a list of enclosures to your letter.

attn-line **dictionary**

Defines the attention line for a specific recipient within an organization, represented as a dictionary with the following keys:

name	str or content	Name of the recipient.
-------------	------------------------------	------------------------

label	str or content optional	The attention label. Defaults to "Attn:".
position	str or content optional	Whether the attention line appears "above" or "below" the recipient's address. Defaults to "above".

Default: none

Examples:

```
// Basic attention line with default label: "Attn:" and default position: "above"
attn-line: (
  name: "Mr Basil Hawthorne"
)

// Custom label and position
attn-line: (
  name: "XXXXXXXX XXXXXXXXXXXXXXXXXXXXXXX",
  label: "XXXXX:",
  position: "below"
)

// Custom label and default position: "above"
attn-line: (
  name: "Mr Basil Hawthorne",
  label: "Attention:"
)

// Default label: "Attn:" and custom position
attn-line: (
  name: "Mr Basil Hawthorne",
  position: "below"
)
```

cc dictionary

Lists carbon copy (cc) recipients as a dictionary with the following keys:

cc-list	array	The list of cc recipients.
label	str or content optional	The label for the cc recipients list. Defaults to "cc:".

Default: none

Examples:

```
// Single cc recipient
cc: (
  cc-list: "Mr Jethro Tull"
)
```

```
// Multiple cc recipients
cc: (
  cc-list: (
    "Mr Jethro Tull",
    "Ms Sarah Green",
    "Dr Robert Brown"
  )
)

// Multiple cc recipients with a custom label
cc: (
  cc-list: (
    "Mr Jethro Tull",
    "Ms Sarah Green",
    "Dr Robert Brown"
  ),
  label: "Cc:"
)

// Single cc recipient with a custom label
cc: (
  cc-list: "XXXX XXXXXX XXX",
  label: "XXXX"
)
```

Note: The list of cc recipients is placed after the signature(s) but before the list of enclosures.

enclosures **dictionary**

Lists additional documents included with the letter as a dictionary with the following keys:

encl-list	array	The list of enclosures.
label	str or content <i>optional</i>	The label for the list of enclosures. Defaults to "encl:".

Default: **none**

Examples:

```
// Single enclosure
enclosures: (
  encl-list: "Provenance of the Oak trees on the Dimbleby Estate."
)

// Multiple enclosures
enclosures: (
  encl-list: (
```

```

    "Provenance of the Oak trees on the Dimbleby Estate.",
    "Photographs of storm damage.",
    "Insurance claim form."
  )
)

// Multiple enclosures with a custom label
enclosures: (
  encl-list: (
    "Provenance of the Oak trees on the Dimbleby Estate.",
    "Photographs of storm damage.",
    "Insurance claim form."
  ),
  label: "Enclosures:"
)

// Single enclosure with a custom label
enclosures: (
  encl-list: "XXXXXXXXXX XXXXXXXXXXXX XXXX XXX XXXXXXXXXXXX XXXXXXXXXXXX",
  label: "XXXXXXXXXX:"
)

```

Note: The list of enclosures is placed after the list of cc recipients.

footer **array**

Specifies a list of footer elements such as URLs, email addresses and arbitrary text as an array of dictionaries.

footer-text	str	The footer text.
footer-type	str	The type of footer element: "url", "email" or "string". If specified as "url" or "email", it will be rendered as a clickable hyperlink. Defaults to "string".

Default: **none**

Example:

```

footer: (
  (
    // Displayed as is
    footer-text: "+44-117-555-5555"
  ),
  (
    // Displayed as a mailto: link
    footer-text: "dimblebyfamily@dimbleby.org",
    footer-type: "email"
  ),
)

```



```
(  
  // Displayed as a web link  
  footer-text: "https://dimbleby.org",  
  footer-type: "url"  
)  
)
```

Note: The footer is placed at the bottom of the letter above the page number if enabled and is center-aligned.

Document Settings

Customize the letter's document settings using the parameters below. Each parameter includes a default value, which can be adjusted to fit your needs.

paper-size `str`

Specifies the paper size for the letter.

Default: "a4"

Examples:

```
paper-size: "a4"      // A4 (210 × 297 mm)  
paper-size: "us-letter" // US Letter (8.5 × 11 in)  
paper-size: "legal"   // Legal (8.5 × 14 in)
```

For more information, see [Typst's documentation on paper sizes](#).

margins `auto` or `relative` or `dictionary`

Defines the margins of the letter.

Default: `auto`

Examples:

```
// Automatic margins (default)  
margins: auto  
  
// Uniform margins  
margins: 20mm  
  
// Custom margins  
margins: (top: 20mm, left: 20mm, bottom: 20mm, right: 20mm)  
  
// Asymmetric margins  
margins: (top: 25mm, left: 30mm, bottom: 25mm, right: 30mm)
```

Refer to [Typst's margin documentation](#) for more information.

Note: The default setting of `auto` results in a 25 mm margin for the A4 paper size.

par-leading `length`

Adjusts the line spacing within paragraphs.

Default: 0.8em

Examples:

```
par-leading: 0.8em // Tight spacing
par-leading: 1.0em // Normal spacing
par-leading: 1.2em // Loose spacing
```

Note: Adjust this value to complement the chosen font and font size.

par-spacing `length`

Controls the spacing between paragraphs.

Default: 1.8em

Examples:

```
par-spacing: 1.5em // Compact paragraphs
par-spacing: 1.8em // Standard spacing
par-spacing: 2.0em // Relaxed spacing
```

Note: Modify this value to match the font and font size for optimal readability.

number-pages `bool`

Toggles page numbering. If enabled, numbering starts from the second page.

Default: false

Examples:

```
number-pages: false // No page numbers
number-pages: true  // Page numbers from the second page onwards
```

Note: Page numbers are centered at the bottom of the page, below the footer if one is specified.

Typography Settings

These parameters allow you to customize the fonts used throughout the letter. Each parameter has a default font setting that can be changed as needed.

main-font str

Sets the font used for the main body of the letter.

Default: "Libertinus Serif"

Examples:

```
main-font: "Libertinus Serif" // Default serif font
main-font: "Noto Serif"      // Google's Noto Serif
main-font: "Times New Roman" // Classic serif
main-font: "Arial"           // Sans-serif option
```

main-font-size length

Sets the font size for the main body.

Default: 11pt

Examples:

```
main-font-size: 10pt // Smaller text
main-font-size: 11pt // Standard size
main-font-size: 12pt // Larger text
```

footnote-font str

Sets the font used for footnotes.

Default: "Libertinus Serif"

Examples:

```
footnote-font: "Libertinus Serif" // Match main font
footnote-font: "Noto Serif"       // Alternative serif
footnote-font: "DejaVu Sans"     // Sans-serif option
```

footnote-font-size length

Sets the font size for footnotes.

Default: 7pt

Examples:

```
footnote-font-size: 6pt // Very small
footnote-font-size: 7pt // Standard size
footnote-font-size: 8pt // Larger footnotes
```

footer-font str

Sets the font used for the footer.

Default: "DejaVu Sans Mono"

Examples:

```
footer-font: "DejaVu Sans Mono" // Monospace default
footer-font: "Fira Mono"       // Modern monospace
footer-font: "Courier New"     // Classic monospace
footer-font: "Arial"           // Sans-serif option
```

footer-font-size length

Sets the font size for the footer.

Default: 9pt

Examples:

```
footer-font-size: 8pt // Smaller footer
footer-font-size: 9pt // Standard size
footer-font-size: 10pt // Larger footer
```

Layout Settings

These parameters provide options to align specific elements and change the color of hyperlinks.

from-alignment alignment

Sets the alignment of the sender's address and date.

Default: right

Examples:

```
from-alignment: left // Left-aligned sender address
from-alignment: right // Right-aligned sender address (default)
from-alignment: center // Center-aligned sender address
```

footnote-alignment alignment

Specifies the alignment of the footnote separator and footnotes.

Default: left

Examples:

```
footnote-alignment: left // Left-aligned footnotes (default)
footnote-alignment: right // Right-aligned footnotes
footnote-alignment: center // Center-aligned footnotes
```

link-color color

Determines the color of hyperlinks in the letter.

Default: blue

Examples:

```
link-color: blue // Typst's blue #0074d9 (default)
link-color: maroon // Typst's maroon #85144b
link-color: rgb(0, 100, 200) // Custom RGB color
```

Refer to [Typst's documentation on colors](#) for additional details.

Complete Example

This comprehensive example highlights the full range of features provided by the letterloom package, demonstrating all available customization options.

```
#show: letterloom.with(
  // Sender's contact information (name and address)
  from: (
    name: "The Dimbleby Family",
    address: [The Lodge \
              Cheswick Village \
              Middle Upton \
              Bristol BS16 1GU]
  ),

  // Recipient's contact information (name and address)
  to: (
    name: "Evergreen Tree Surgeons",
    address: [Midtown Lane \
              Cheswick Village \
              Stoke Gifford \
              Bristol BS16 1GU]
```

```
),

// Letter date (automatically set to today's date)
date: datetime.today().display("[day padding:zero] [month repr:long] [year repr:full]"),

// Salutation
salutation: "Dear Mr Hawthorne",

// Subject
subject: text(weight: "bold")[#smallcaps("Pruning of Heritage Oak Trees in the Dimbleby Estate")],

// Closing
closing: "Sincerely yours",

// Signatures
signatures: (
  (
    name: "Lord Albus Dimbleby",
    signature: image("images/albus-sig.png")
  ),
  (
    name: "Lady Abigail Dimbleby",
    signature: image("images/abigail-sig.png")
  ),
  (
    name: "Sir Austin Dimbleby",
    signature: image("images/austin-sig.png")
  )
),

// Attention line for specific recipient (optional)
attn-line: (
  name: "Mr Basil Hawthorne",
  label: "Attn:",
  position: "below"
),

// List of cc recipients (optional)
cc: (
  cc-list: "Mr Jethro Tull",
),

// List of enclosures (optional)
enclosures: (
  encl-list: "Provenance of the Oak trees on the Dimbleby Estate."
),

// Custom footer information (optional)
footer: (
```

```
(
  footer-text: "+44-117-555-5555"
),
(
  footer-text: "dimblebyfamily@dimbleby.org",
  footer-type: "email"
),
(
  footer-text: "https://dimbleby.org",
  footer-type: "url"
)
),

// Paper size (default: "a4")
paper-size: "a4",

// Page margins (default: auto)
margins: (top: 20mm, left: 20mm, bottom: 20mm, right: 20mm),

// Enable page numbering (default: false)
number-pages: false,

// Main font (default: "Libertinus Serif")
main-font: "Noto Serif",

// Main font size (default: 11pt)
main-font-size: 11pt,

// Footnote font (default: "Libertinus Serif")
footnote-font: "Noto Serif",

// Footnote font size (default: 7pt)
footnote-font-size: 7pt,

// Footer font (default: "DejaVu Sans Mono")
footer-font: "Fira Mono",

// Footer font size (default: 9pt)
footer-font-size: 9pt,

// Footnote alignment (default: left)
footnote-alignment: right,

// Link color (default: blue)
link-color: maroon,
)
```

We are writing to request you to visit The Lodge at the Dimbleby Estate in Cheswick Village to assess a stand of lordly Heritage Oak Trees that have stood the test of time, but whose strength

might have been compromised by the wild squall that ripped through the region last week. We are keen to avoid any danger to passers by from weakened roots, branches, and sundry debris.

```
#show figure.caption: set text(font: "Source Sans Pro", size: 10pt)
#figure(
  image("images/storm-damaged-oak-tree.jpg", width: 80%),
  caption: [Storm Damaged Oak Tree.#footnote[This image was generated using #link("https://
deepai.org/machine-learning-model/text2img")][DeepAI's image generator].]]
)
```

Your specific task would be to render the grove safe to human traffic while at the same time minimizing the residual damage to the trees. You would, of course, also undertake to clear the area thereafter.

Since this estate is jointly owned by the Dimbleby family, the signatures of all three of us appear in this letter to avoid any legal wrangles in the future.

Kindly contact our Head Groundsman, Mr Jethro Tull, on 0117-12345678. to fix an appointment to view the trees and give a quotation for the contemplated work.

Thank you kindly.

The Dimbleby Family
The Lodge
Cheswick Village
Middle Upton
Bristol BS16 1GU

01 July 2025

Evergreen Tree Surgeons
Midtown Lane
Cheswick Village
Stoke Gifford
Bristol BS16 1GU
Attn: Mr Basil Hawthorne

Dear Mr Hawthorne,

PRUNING OF HERITAGE OAK TREES IN THE DIMBLEBY ESTATE

We are writing to request you to visit The Lodge at the Dimbleby Estate in Cheswick Village to assess a stand of lordly Heritage Oak Trees that have stood the test of time, but whose strength might have been compromised by the wild squall that ripped through the region last week. We are keen to avoid any danger to passers by from weakened roots, branches, and sundry debris.



Figure 1: Storm Damaged Oak Tree.¹

¹This image was generated using [DeepAI's image generator](#).

Your specific task would be to render the grove safe to human traffic while at the same time minimizing the residual damage to the trees. You would, of course, also undertake to clear the area thereafter.

Since this estate is jointly owned by the Dimbleby family, the signatures of all three of us appear in this letter to avoid any legal wrangles in the future.

Kindly contact our Head Groundsman, Mr Jethro Tull, on 0117-12345678. to fix an appointment to view the trees and give a quotation for the contemplated work.

Thank you kindly.

Sincerely yours,

Handwritten signature of Lord Albus Dimbleby in a stylized, slightly cursive font.

Lord Albus Dimbleby

Handwritten signature of Lady Abigail Dimbleby in a cursive script.

Lady Abigail Dimbleby

Handwritten signature of Sir Austin Dimbleby in a cursive script.

Sir Austin Dimbleby

cc:

1. Mr Jethro Tull

encl:

1. Provenance of the Oak trees on the Dimbleby Estate.