

lora— $\text{\LaTeX}$ support of Lora font by Olga Karpushina and Alexei Vanyashin

Dmitriy Nosachev*

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Abstract

Lora is a well-balanced contemporary serif typeface with roots in calligraphy, featuring brushed curves and driving wedge serifs. This package provides $\text{\LaTeX}$ support for it.

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*quartz64@gmail.com

1 User manual

1.1 Introduction

Lora is a contemporary serif typeface with a balanced design and calligraphic origins. This Unicode font family accommodates languages using the Latin and Cyrillic scripts (including their variants) and has the potential to be extended to support additional writing systems.

Lora was created by Olga Karpushina and Alexei Vanyashin at Cyreal and launched in 2011 with contributions and assistance from Gayaneh Bagdasaryan. Font is licensed under the SIL Open Font License, Version 1.1. [2]

This package provides $\text{\LaTeX}$ interface for the font. Since the font is in OTF format, you do need a Unicode engine like $\text{\XeTeX}$ or $\text{\LuaTeX}$ to use it.

I would like to express my deep gratitude to Boris Veytsman, the author of the `arsenal` package [3]. I used his `.dtx` file (Documented LaTeX Source) as a template.

1.2 Package options

<code>default</code>	The following options are recognized:
<code>rmdefault</code>	
<code>scale</code>	default whether to make Lora the main font of the document, either <code>true</code> (the default) or <code>false</code> . This option uses the <code>\setmainfont</code> macro, which utilizes font settings from the <code>lora.fontspec</code> file.
<code>Scale</code>	
	rmdefault whether to make Lora the sans serif font of your document, either <code>true</code> or <code>false</code> (the default). This option is needed if you are using a sans-serif font as the primary font.
	scale the scale for the font, by default 1.0. The option <code>Scale</code> is a synonym.

1.3 Font features

<code>\lorafamily</code>	<code>\lorafamily <text></code>
<code>\textlora</code>	<code>\textlora{<text>}</code>

The font provides the commands `\lorafamily` and `\textlora` for selecting the font. Alternatively, the NFSS commands `\fontfamily{lora}\selectfont` can be used to select Lora family.

The font has normal and *italic* shapes, as well as bolded **bold** and **bold italic**. They are selected by the standard $\text{\LaTeX}$ commands.

The font supports variable weight with values from 400 to 700. Each font file, `Lora.ttf` and `Lora-Italic.ttf`, contains four named instances corresponding to different values of the weight axis:

- Regular (`wght=400`)
- Medium (`wght=500`)

- SemiBold (wght=600)
- Bold (wght=700)

<code>\LoraMedium</code>	<code>\LoraMedium <text></code>
<code>\textloramed</code>	<code>\textloramed{<text>}</code>

The font provides the commands `\LoraMedium` and `\textloramed` for selecting the medium weight variant.

<code>\LoraSemiBold</code>	<code>\LoraSemiBold <text></code>
<code>\textlorasb</code>	<code>\textlorasb{<text>}</code>

The font provides the commands `\LoraSemiBold` and `\textlorasb` for selecting the **semi-bold** variant.

1.4 Defining a font with custom weight

You can use any intermediate weight value between 400 and 700. In the example below, we define a new font family (and the corresponding text command) with a weight value of 450 for the regular font and a standard bold style.

```
\newfontfamily\LoraSpecial{Lora}[
  UprightFeatures      = { RawFeature = {+axis={wght=450 } } },
  ItalicFeatures       = { RawFeature = {+axis={wght=450 } } },
  ItalicFont           = Lora-Italic,
  BoldFont             = Lora,
  BoldItalicFont       = Lora-Italic,
  BoldFeatures         = { RawFeature = { instance = { Bold } } },
  BoldItalicFeatures   = { RawFeature = { instance = { Bold Italic } } }
]
```

```
\DeclareTextFontCommand{\textloraspc}{\LoraSpecial}
```

1.5 Special symbols

<code>\texthryvnia</code>	The font has common currency characters, like <code>\textdollar</code> (\$), <code>\textyen</code> (¥), <code>\textsterling</code> (£), <code>\texteuro</code> (€). It also defines several less common currency characters:
<code>\texttugrik</code>	
<code>\texttenge</code>	
<code>\textlira</code>	
<code>\textruble</code>	

```
\texthryvnia (₺),
\texttugrik (₺),
\texttenge (₸),
\textlira (₺),
```

```
\textruble (₺).
```

2 Implementation

2.1 Setting up

First, we declare who we are:

```
1 <@=lora>
2 <*package>
3 \ProvidesExplPackage {lora}
4 {2026-09-16} {v1.0.3}
5 {Lora font by Olga Karpushina and Alexei Vanyashin}
```

2.2 Options

```
default
rmdefault
scale
Scale
\l__lora_default_bool
\l__lora_rmdefault_bool
\l__lora_scale_tl
6 \keys_define:nn { lora }
7 {
8   default .bool_set:N = \l__lora_default_bool,
9   default .default:n = true,
10  rmdefault .bool_set:N = \l__lora_rmdefault_bool,
11  rmdefault .default:n = true,
12  scale .tl_set:N = \l__lora_scale_tl,
13  Scale .tl_set:N = \l__lora_scale_tl,
14 }
15
16 \keys_set:nn { lora }
17 {
18   default=true,
19   rmdefault=false,
20   scale = 1.0,
21 }
```

(End of definition for *default* and others. These variables are documented on [page 2](#).)

Processing options

```
22 \IfFormatAtLeastTF { 2022-06-01 }
23 { \ProcessKeyOptions [ lora ] }
24 {
25   \RequirePackage { l3keys2e }
26   \ProcessKeysOptions { lora }
27 }
```

2.3 Setting up font

```
28 \RequirePackage{ fontspec }
29
30 \defaultfontfeatures[ Lora ]
31 {
32   Extension = .ttf,
33   Ligatures = TeX,
34   Scale      = \l__lora_scale_tl
35 }
36 \newfontfamily\lorafamily{ Lora }
37 [
```

```

38 NFSSFFamily      = lora,
39 UprightFont      = Lora,
40 UprightFeatures  = { RawFeature = { instance = { Regular } } },
41 ItalicFont       = Lora-Italic,
42 ItalicFeatures   = { RawFeature = { instance = { Regular Italic } } },
43 BoldFont         = Lora,
44 BoldItalicFont   = Lora-Italic,
45 BoldFeatures     = { RawFeature = { instance = { Bold } } },
46 BoldItalicFeatures = { RawFeature = { instance = { Bold Italic } } }
47 ]
48
49 \newfontfamily\LoraMedium{ Lora }
50 [
51   NFSSFFamily      = loram,
52   UprightFont      = Lora,
53   UprightFeatures  = { RawFeature = { instance = { Medium } } },
54   ItalicFont       = Lora-Italic,
55   ItalicFeatures   = { RawFeature = { instance = { Medium Italic } } },
56   BoldFont         = Lora,
57   BoldItalicFont   = Lora-Italic,
58   BoldFeatures     = { RawFeature = { instance = { Bold } } },
59   BoldItalicFeatures = { RawFeature = { instance = { Bold Italic } } }
60 ]
61
62 \newfontfamily\LoraSemiBold{ Lora }
63 [
64   NFSSFFamily      = lorasb,
65   UprightFont      = Lora,
66   UprightFeatures  = { RawFeature = { instance = { SemiBold } } },
67   ItalicFont       = Lora-Italic,
68   ItalicFeatures   = { RawFeature = { instance = { SemiBold Italic } } },
69   BoldFont         = Lora,
70   BoldItalicFont   = Lora-Italic,
71   BoldFeatures     = { RawFeature = { instance = { Bold } } },
72   BoldItalicFeatures = { RawFeature = { instance = { Bold Italic } } }
73 ]

```

Checking whether we want the font to be default

```

74 \bool_if:NT \l__lora_default_bool
75 {
76   \setmainfont{ lora }
77 }
78
79 \bool_if:NT \l__lora_rmdefault_bool
80 {
81   \renewcommand{ \rmdefault } { lora }
82 }

```

```

\textlora
\textloramed 83 \DeclareTextFontCommand{ \textlora } { \lorafamily }
\textlorasb 84 \DeclareTextFontCommand{ \textloramed } { \LoraMedium }
85 \DeclareTextFontCommand{ \textlorasb } { \LoraSemiBold }

```

(End of definition for `\textlora`, `\textloramed`, and `\textlorasb`. These functions are documented on page 2.)

Special characters, absent in the default

```

\texthryvnia Currency symbols
\texttugrik 86 \DeclareUnicodeSymbol{ \texthryvnia } { "20B4 }
\texttenge 87 \DeclareUnicodeSymbol{ \texttugrik } { "20AE }
\textlira 88 \DeclareUnicodeSymbol{ \texttenge } { "20B8 }
\textruble 89 \DeclareUnicodeSymbol{ \textlira } { "20BA }
90 \DeclareUnicodeSymbol{ \textruble } { "20BD }

(End of definition for \texthryvnia and others. These functions are documented on page 3.)
91 \end{package}

```

References

- [1] Will Robertson and Khaled Hosny. *The fontspec package. Advanced font selection in Xe_{La}TeX and Lua_{La}TeX*. The $\TeX$ Project Team. 2026. URL: <https://ctan.org/pkg/fontspec> (visited on 09/09/2026).
- [2] Alexei Vanyashin and Olga Karpushina. *Lora*. Cyreal. 2026. URL: <https://www.cyreal.org/fonts/lora/> (visited on 09/09/2026).
- [3] Boris Veytsman. *The arsenal package. Github repository*. 2023. URL: <https://github.com/borisveytsman/arsenal> (visited on 09/04/2026).

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The italic numbers denote the pages where the corresponding entry is described, numbers underlined point to the definition, all others indicate the places where it is used.

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\keys_set:nn	16	\rmdefault	
		\rmdefault	

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Change History

v1.0.0		Lora variants.	4
General: Using named instances of fonts instead of manually setting axis values.	4	v1.0.2	
v1.0.1		General: Added lora.fontspec file for <code>\setmainfont</code>	5
General: Apply scale setting to all		Separate settings for <code>\setmainfont</code> and <code>\rmdefault</code>	5