

lora— $\LaTeX$ 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 $\LaTeX$ support for it.

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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 $\LaTeX$ interface for the font. Since the font is in OTF format, you do need a Unicode engine like Xe $\LaTeX$ or Lua $\LaTeX$ 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.

*quartz64@gmail.com

1.2 Package options

default	The following options are recognized:
scale	
Scale	default whether to make Lora the main font of the document, either true (the default) or false.

scale the scale for the font, by default 1.0. The option Scale is a synonym.

1.3 Font features

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

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 $\TeX$ commands.

This font supports variable weight with values from 400 to 700. The regular weight corresponds to 400, and the bold corresponds to 700. Additionally, the package provides commands for medium weight (500) and semi-bold (600).

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

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

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

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

1.4 Special symbols in text

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

2 Implementation

2.1 Setting up

First, we declare who we are:

```
1 <@@=lora>
2 <*package>
3 \ProvidesExplPackage {lora}
4 {2026-09-09} {v0.1}
5 {Lora font by Olga Karpushina and Alexei Vanyashin}
```

2.2 Options

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

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

Processing options

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

2.3 Setting up font

```
26 \RequirePackage{fontspec}
27
28 \defaultfontfeatures{Ligatures=TeX, RawFeature={+axis={wght=400}}}
29
30 \newfontfamily\lorafamily{Lora}
31 [
32   NFSSFamily=lora,
33   Ligatures=TeX,
34   Scale=\l__lora_scale_tl,
35   Extension = .ttf,
36   ItalicFont      = Lora-Italic,
37   BoldFont        = Lora,
```

```

38 BoldItalicFont      = Lora-Italic,
39 BoldFeatures        = {RawFeature={+axis={wght=700}}},
40 BoldItalicFeatures  = {RawFeature={+axis={wght=700}}}
41 ]
42
43 \newfontfamily\LoraMedium{Lora}[
44   Extension = .ttf,
45   UprightFeatures    = {RawFeature={+axis={wght=500}}},
46   ItalicFeatures     = {RawFeature={+axis={wght=500}}},
47   ItalicFont         = Lora-Italic,
48   BoldFont           = Lora,
49   BoldItalicFont     = Lora-Italic,
50   BoldFeatures       = {RawFeature={+axis={wght=700}}},
51   BoldItalicFeatures = {RawFeature={+axis={wght=700}}}
52 ]
53
54 \newfontfamily\LoraSemiBold{Lora}[
55   Extension = .ttf,
56   UprightFeatures    = {RawFeature={+axis={wght=600}}},
57   ItalicFeatures     = {RawFeature={+axis={wght=600}}},
58   ItalicFont         = Lora-Italic,
59   BoldFont           = Lora,
60   BoldItalicFont     = Lora-Italic,
61   BoldFeatures       = {RawFeature={+axis={wght=700}}},
62   BoldItalicFeatures = {RawFeature={+axis={wght=700}}}
63 ]

```

Checking whether we want the font to be default

```

64 \bool_if:NT \l__lora_default_bool
65 {
66   \setmainfont{lora}
67   \renewcommand\rmdefault{lora}
68 }

```

`\textlora`
`\textloramed`
`\textlorasb`

```

69 \DeclareTextFontCommand{\textlora}{\lorafamily}
70 \DeclareTextFontCommand{\textloramed}{\LoraMedium}
71 \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 72 \DeclareUnicodeSymbol{\texthryvnia} {"20B4}
\texttenge 73 \DeclareUnicodeSymbol{\texttugrik} {"20AE}
\textlira 74 \DeclareUnicodeSymbol{\texttenge} {"20B8}
\extruble 75 \DeclareUnicodeSymbol{\textlira} {"20BA}
76 \DeclareUnicodeSymbol{\extruble} {"20BD}

```

(End of definition for `\texthryvnia` and others. These functions are documented on page 2.)

```

77 </package>

```

References

- [1] Will Robertson and Khaled Hosny. *The fontspec package. Advanced font selection in X_Y-L^AT_EX and Lua^AT_EX*. The L^AT_EX 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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