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Dai Banna SIL Fonts

User Guide



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SIL OPEN FONT LICENSE

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Introduction

The Dai Banna SIL Fonts are the Unicode version of their predecessor, SIL Dai Banna Fonts. Apart from a few additional characters such as Chinese punctuation marks, the design is the same and represents a new rendering of the New Tai Lue (Xishuangbanna Dai) script,² which was added to Unicode 4.1. Two font families, differing only in weight, allow for a wide range of uses.

Dai Banna SIL Light

မ္ဗ ဣလူလၢၣ် ဝါမ္ဗ ဣတ ဟံၣ် ခုလုၣ်ဝါ တၢ်တၢ် ဣၣ် ဣတ င'.

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Dai Banna SIL Book

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The New Tai Lue script is used by approximately 300,000 people who speak the Xishuangbanna Dai language in Yunnan, China. It is a simplification of the Tai Tham (Old Tai Lue) script as used for this language for hundreds of years.

We particularly thank the staff of *Xishuangbanna Daily* for their assistance in developing this font package. *Xishuangbanna Daily*, established since 1957, is the largest newspaper company in Yunnan, China that publishes in the New Tai Lue script.

This document contains most of the information you will need to use the fonts. For the most up-to-date information, including known issues, consult the *Read Me* document (README.txt). The *File Listing* ('files.txt' for distribution or 'files-src.txt' for distribution plus source) lists all the components of the package.

² <http://www.unicode.org/charts/PDF/U1980.pdf>

Supported Characters

These fonts include a complete set of New Tai Lue consonants, vowels, tones and digits, along with punctuation and other useful symbols. A basic set of Latin glyphs, including Arabic numerals, is also provided. Chinese punctuation used in New Tai Lue texts are included as well. The following lists all the glyphs in the package. Unicode scalar values are given in parentheses after the block names.

New Tai Lue (U+1980..19DF)

Consonants

ဘုၣ်တၢ်ဒွဲးဂီၤသးဝံၣ်ဃာ်တၢ်မိၤ
ပၤတၢ်တၢ်တၢ်တၢ်တၢ်တၢ်တၢ်

Vowel Signs

ဆာဗဗုဒ္ဓဂါယထာမဂ္ဂ

Final Consonants

၂၂၆၅၇၃၄

Tone Marks

6e

Digits

ՕՇԳՉԴԴՆՈՒԸ

Various Signs

လလ

C0 Controls and Basic Latin (U+0020..007E)

!"#\$%&'()*+,-./0123456789;<=>?@
 ABCDEFGHIJKLMNOPQRSTUVWXYZ
 [\]^_`abcdefghijklmnopqrstuvwxyz{|}~

C1 Controls and Latin-1 Supplement (U+00A0, U+00A4, U+00AC, U+00AD, U+00B0, U+00B6, U+00B7)

␣◌°¶

General Punctuation (U+2009, U+200B, U+2013, U+2014, U+2018, U+2019, U+201C, U+201D, U+2020..2022, U+2026, U+2039, U+203A, U+2060)

--‘’”†‡•…<>

Geometric Shapes (U+25CC)

⦿

This character is included for use with keyboarding the four re-ordrant vowels. See System Requirements for more information.

CJK Symbols and Punctuation (U+3000..3002, U+3008..300B)

、。〈〉《》

Private Use Area (U+E380)

ᄀ

This character represents the alternate form of U+19D1 ᄀ NEW TAIL LUE DIGIT ONE. These two forms can co-exist in free variation in the same text, and therefore two code points are needed to represent them. However, only one code point was assigned for both forms in Unicode 4.1. Until an additional official code point is assigned to the alternate form in Unicode, we will be using U+E380 in the PUA block as a work-around.

Halfwidth and Fullwidth Forms (U+FF01, U+FF08, U+FF09, U+FF0C, U+FF0E, U+FF1A, U+FF1B, U+FF1F)

! () , . : ; ?

System Requirements

The Dai Banna SIL fonts are designed to work on operating systems that provide support for TrueType fonts and for Unicode character encoding. This includes all 32-bit versions of Microsoft Windows®, as well as recent versions of the Mac OS (version 9.0 and later), and also some implementations of Unix / Linux. (TrueType font support on Unix and Linux may depend upon the particular applications in use.)

The preceding characterisation of system requirements describes the minimum needed to display characters. *For the fonts to work properly in applications, additional requirements must be met.* This release of the fonts is designed to work with Graphite, a smart font technology that enables the visual re-ordering of four vowels to the left of the base consonant:

U+19B5	᥅	NEW TAI LUE VOWEL SIGN E
U+19B6	᥆	NEW TAI LUE VOWEL SIGN AE
U+19B7	᥇	NEW TAI LUE VOWEL SIGN O
U+19BA	᥈	NEW TAI LUE VOWEL SIGN AY

Visual re-ordering is required to display them properly in relation to the base consonant because according to the Unicode Standard, the New Tai Lue script is encoded after a logical ordering, i.e., consonants are always stored before vowels. Without visual re-ordering, the above four vowels will be displayed after the base consonant, which is incorrect according to standard usage of the script.

To correctly render a run of text containing these characters, you must be using applications that provide an adequate level of support for Graphite. There are currently few applications which make use of the Graphite capabilities of the fonts. These include all applications in the FieldWorks Suite (such as Data Notebook and WorldPad). A Graphite integration into OpenOffice 2.3 is forthcoming. For more information on Graphite and related applications, see <http://scripts.sil.org/RenderingGraphite>.

Besides Graphite, the fonts contain support for another advanced font technology, OpenType. However, OpenType rendering also requires the use of a New Tai Lue shaper that carries re-ordering information and currently we know of no system that provides one. Nonetheless, these fonts are suitable for testing OpenType New Tai Lue shaping engines should one come out in the future.

Installation

The Dai Banna SIL font package includes a set of font files and font documentation (DaiBannaSIL20b.pdf). See *File Listing* ('files.txt' for distribution or 'files-src.txt' for distribution plus source) for a list of all package components.

Microsoft Windows

If you downloaded the .exe package, you can double-click on it to unzip the files into a temporary folder. Otherwise, you will need a decompression utility⁴ to expand the archive. The set of fonts can then be installed through the Fonts Control Panel or by copying the font files (ending in .ttf) into the system Fonts folder. For more information, consult your Windows documentation.

Note: Certain applications may not see the new font immediately. You may have to quit and restart the application for the font to become available.

Linux

Unzip the downloaded archive and install the set of fonts using standard font installation procedures for your flavour of Linux. For more information, consult your Linux documentation or go to <http://www.linux.org.uk/article/ttfonts>.

⁴ See <http://www.pcworld.com/article/id.128285-page.1-c.compression/article.html> for some recommended utilities.

Technical Support

As these fonts and utilities are distributed at no cost, we are unable to provide a commercial level of personal technical support. We will, however, try to resolve problems that are reported to us.

We do hope that you will report problems so they can be addressed in future releases. Even if you are not having any specific problems, but have an idea on how this system could be improved, we want to hear your ideas and suggestions.

Please note that these fonts are intended for use by experienced computer users. Installing and using these fonts is not a trivial matter. The most effective technical support is usually provided by an experienced computer user who can personally sit down with you at your computer to troubleshoot the problem.

General troubleshooting information, including frequently asked questions, can be found in the documentation. Additional information is also available on our general Font FAQ page at <http://scripts.sil.org/FontFAQ>. If that fails to answer your question, you can contact us at:

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