

# Fonts

## Context

LibreCAD uses its own font format for various reasons. Based on its roots in QCAD, which used its own CXF format, LibreCAD enhanced this format in LFF (LibreCAD Font Format).

## Deployment

LibreCAD comes with a collection of common used fonts. Some of them are contributions from our community, others are converted from TTF fonts with our command line conversion tool ttf2lff.

When LibreCAD is installed from a binary package, chances are good, that the fonts are installed properly, and that they are available in text tools.

Their location depends on the used operating system.

If you have converted your own fonts, you can add an additional path in *Application Preferences*, that you can keep them separated from the deployed fonts.

For users who build LibreCAD themselves, they can find the font files on our [Github repository](#)

## Sharing drawings with text

Because LFF is a LibreCAD feature, other CAD applications probably can't show texts in DXF drawings. To share DXF with text with other CAD applications, create a copy of the drawing and explode all text. This makes them basic entities again and allow other CAD applications to show the text. The back draw is, that the exploded text is no longer editable as text.

## Font lists

### Deployed

Font File	Alphabet	Font Type	Technical / Single Line
amiri-regular.lff	Arabic	Serif	
azomix.lff	Chinese	Sans Serif	X
azomix_i.lff	Chinese	Sans Serif	X
cursive.lff	Latin	Sans Serif, Italic	X
cyrillic_ii.lff	Cyrillic	Sans Serif	X
gothgbt.lff	Latin	Blackletter / Gothic	
gothgrt.lff	Latin	Blackletter / Gothic	
gothitt.lff	Latin	Blackletter / Gothic	

Font File	Alphabet	Font Type	Technical / Single Line
greek_ol.lff	Greek		
greekc.lff	Greek		
greekcs.lff	Greek		
greekp.lff	Greek		
greeks.lff	Greek		X
iso.lff	Latin	Sans Serif	X
iso3098.lff	Latin	Sans Serif	X
iso3098_i.lff	Latin	Sans Serif	X
italicc.lff	Latin	Serif, Outline	
italiccs.lff	Latin	Serif, Outline	
italict.lff	Latin	Serif, Outline	
kochigothic.lff	Latin	Sans Serif, Outline	
kochimincho.lff	Latin	Serif, Outline	
kst32b.lff	Chinese	Sans Serif	X
lc_opengost-ar.lff	Cyrillic, Greek, Latin	Sans Serif	X
lc_opengost-br.lff	Cyrillic, Greek, Latin	Sans Serif	X
opengosttypea-regular.lff	Cyrillic, Greek, Latin	Sans Serif, Outline	X
opengosttypeb-regular.lff	Cyrillic, Greek, Latin	Sans Serif, Outline	X
romanc.lff	Latin	Serif, Outline	
romancs.lff	Latin	Serif, Outline	
romand.lff	Latin	Sans Serif, Outline	
romanp.lff	Latin	Serif, Outline	
romans.lff	Latin	Sans Serif	X
romansi.lff	Latin	Sans Serif, Italic	X
romant.lff	Latin	Serif, Outline	
scriptc.lff	Latin	Script, Outline	
scripts.lff	Latin	Script	
simplex.lff	Latin	Sans Serif	X
standard.lff	Latin	Sans Serif	X
syastro.lff	Symbol		
symap.lff	Symbol		
symath.lff	Symbol		
symbol.lff	Symbol		
symbol_misc1.lff	Symbol		
symbol_misc2.lff	Symbol		
symeteo.lff	Symbol		
symusic.lff	Symbol		
unicode.lff	Multiple	Sans Serif	X

**Additional**

Font File	Alphabet	Font Type	Technical / Single Line
<a href="#">wqy-unicode.lff</a>	Chinese	Sans Serif	

# Examples

## From 2.1.3

- DXF showing all fonts - [LibreCadFonts\\_2.1.3.dxf](#)
- PDF export from this DXF - [LibreCadFonts\\_2.1.3.pdf](#)
- PNG export from this DXF -

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Version 2.1.3
Compiler: GNU GCC 4.8.1
Compiled on: Sep 23 2016
Qt Version: 5.4.1
Boost Version: 1.60.0
System: Windows 7

amiri-regular.iff - The quick brown fox jumps over the lazy dog. 0123456789
AMIRI-REGULAR.LFF - THE QUICK BROWN FOX JUMPS OVER THE LAZY DOG. ? 10#5%*^()
azomix.iff - The quick brown fox jumps over the lazy dog. 0123456789
AZOMIX.LFF - THE QUICK BROWN FOX JUMPS OVER THE LAZY DOG. ? 10#5%*^()
azomix_1.iff - The quick brown fox jumps over the lazy dog. 0123456789
AZOMIX_1.LFF - THE QUICK BROWN FOX JUMPS OVER THE LAZY DOG. ? 10#5%*^()
cursive.iff - The quick brown fox jumps over the lazy dog. 0123456789
CURSIVE.LFF - THE QUICK BROWN FOX JUMPS OVER THE LAZY DOG. ? 10#5%*^()
cyrilic_uff - The quick brown fox jumps over the lazy dog. 0123456789
CYRILIC_UFF - THE QUICK BROWN FOX JUMPS OVER THE LAZY DOG. ? 10#5%*^()
g0tmi1k.iff - The quick brown fox jumps over the lazy dog. 0123456789
G0TMI1K.LFF - THE QUICK BROWN FOX JUMPS OVER THE LAZY DOG. ? 10#5%*^()
greek.iff - The quick brown fox jumps over the lazy dog. 0123456789
GREEK.LFF - THE QUICK BROWN FOX JUMPS OVER THE LAZY DOG. ? 10#5%*^()
greek1.iff - The quick brown fox jumps over the lazy dog. 0123456789
GREEK1.LFF - THE QUICK BROWN FOX JUMPS OVER THE LAZY DOG. ? 10#5%*^()
greek2.iff - The quick brown fox jumps over the lazy dog. 0123456789
GREEK2.LFF - THE QUICK BROWN FOX JUMPS OVER THE LAZY DOG. ? 10#5%*^()
greek3.iff - The quick brown fox jumps over the lazy dog. 0123456789
GREEK3.LFF - THE QUICK BROWN FOX JUMPS OVER THE LAZY DOG. ? 10#5%*^()
greek4.iff - The quick brown fox jumps over the lazy dog. 0123456789
GREEK4.LFF - THE QUICK BROWN FOX JUMPS OVER THE LAZY DOG. ? 10#5%*^()
greek5.iff - The quick brown fox jumps over the lazy dog. 0123456789
GREEK5.LFF - THE QUICK BROWN FOX JUMPS OVER THE LAZY DOG. ? 10#5%*^()
iso3098.iff - The quick brown fox jumps over the lazy dog. 0123456789
ISO3098.LFF - THE QUICK BROWN FOX JUMPS OVER THE LAZY DOG. ? 10#5%*^()
iso3098_1.iff - The quick brown fox jumps over the lazy dog. 0123456789
ISO3098_1.LFF - THE QUICK BROWN FOX JUMPS OVER THE LAZY DOG. ? 10#5%*^()
italic.iff - The quick brown fox jumps over the lazy dog. 0123456789
ITALIC.LFF - THE QUICK BROWN FOX JUMPS OVER THE LAZY DOG. ? 10#5%*^()
italicn.iff - The quick brown fox jumps over the lazy dog. 0123456789
ITALICN.LFF - THE QUICK BROWN FOX JUMPS OVER THE LAZY DOG. ? 10#5%*^()
italicr.iff - The quick brown fox jumps over the lazy dog. 0123456789
ITALICR.LFF - THE QUICK BROWN FOX JUMPS OVER THE LAZY DOG. ? 10#5%*^()
keoghathis.iff - The quick brown fox jumps over the lazy dog. 0123456789
KEOGHATHIS.LFF - THE QUICK BROWN FOX JUMPS OVER THE LAZY DOG. ? 10#5%*^()
koshimimicbo.iff - The quick brown fox jumps over the lazy dog. 0123456789
KOSHIMIMICBO.LFF - THE QUICK BROWN FOX JUMPS OVER THE LAZY DOG. ? 10#5%*^()
k5132b.iff - The quick brown fox jumps over the lazy dog. 0123456789
K5132B.LFF - THE QUICK BROWN FOX JUMPS OVER THE LAZY DOG. ? 10#5%*^()
lc_springst-ar.iff - The quick brown fox jumps over the lazy dog. 0123456789
LC_SPRINGST-AR.LFF - THE QUICK BROWN FOX JUMPS OVER THE LAZY DOG. ? 10#5%*^()
lc_springst-br.iff - The quick brown fox jumps over the lazy dog. 0123456789
LC_SPRINGST-BR.LFF - THE QUICK BROWN FOX JUMPS OVER THE LAZY DOG. ? 10#5%*^()
OpenGosTypeA-Regular.iff - The quick brown fox jumps over the lazy dog. 0123456789
OPENGOSTTYPEA-REGULAR.LFF - THE QUICK BROWN FOX JUMPS OVER THE LAZY DOG. ? 10#5%*^()
OpenGosTypeB-Regular.iff - The quick brown fox jumps over the lazy dog. 0123456789
OPENGOSTTYPEB-REGULAR.LFF - THE QUICK BROWN FOX JUMPS OVER THE LAZY DOG. ? 10#5%*^()

romanc.iff - The quick brown fox jumps over the lazy dog. 0123456789
ROMANC.LFF - THE QUICK BROWN FOX JUMPS OVER THE LAZY DOG. ? 10#5%*^()
romancs.iff - The quick brown fox jumps over the lazy dog. 0123456789
ROMANCS.LFF - THE QUICK BROWN FOX JUMPS OVER THE LAZY DOG. ? 10#5%*^()
romand.iff - The quick brown fox jumps over the lazy dog. 0123456789
ROMAND.LFF - THE QUICK BROWN FOX JUMPS OVER THE LAZY DOG. ? 10#5%*^()
romans.iff - The quick brown fox jumps over the lazy dog. 0123456789
ROMANS.LFF - THE QUICK BROWN FOX JUMPS OVER THE LAZY DOG. ? 10#5%*^()
romansl.iff - The quick brown fox jumps over the lazy dog. 0123456789
ROMANSL.LFF - THE QUICK BROWN FOX JUMPS OVER THE LAZY DOG. ? 10#5%*^()
romant.iff - The quick brown fox jumps over the lazy dog. 0123456789
ROMANT.LFF - THE QUICK BROWN FOX JUMPS OVER THE LAZY DOG. ? 10#5%*^()
romantl.iff - The quick brown fox jumps over the lazy dog. 0123456789
ROMANTL.LFF - THE QUICK BROWN FOX JUMPS OVER THE LAZY DOG. ? 10#5%*^()
simplex.iff - The quick brown fox jumps over the lazy dog. 0123456789
SIMPLEX.LFF - THE QUICK BROWN FOX JUMPS OVER THE LAZY DOG. ? 10#5%*^()
standar.iff - The quick brown fox jumps over the lazy dog. 0123456789
STANDAR.LFF - THE QUICK BROWN FOX JUMPS OVER THE LAZY DOG. ? 10#5%*^()
wqy-unicode.iff - The quick brown fox jumps over the lazy dog. 0123456789
WQY-UNICODE.LFF - THE QUICK BROWN FOX JUMPS OVER THE LAZY DOG. ? 10#5%*^()

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# Issues

Some fonts have performance issues. This depends on the number of entities defining a single letter. When there are fonts with mostly less than 10 entities per letter, there are others with 50 to well over 100 entities per Letter.

From: <https://dokuwiki.librecad.org/> - Wiki

Permanent link: <https://dokuwiki.librecad.org/doku.php/community:fonts?rev=1691524947>

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