The **eurosans** package[*]

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1 Usage

The LaTeX package eurosans.sty provides a convenient LaTeX interface for the free Adobe Euro symbol fonts in Type 1 (PostScript) format. Loading of the package

`\usepackage{eurosans}`

provides a new command

`\euro`

which typesets an Euro symbol. The weight (medium or boldface), shape (upright or oblique) and width (regular or condensed) varies according to the font currently selected. The symbol blends well with most typefaces, except for typewriter fonts. The medium/upright/regular variant meets the official design by the EC.

The Euro fonts can be scaled, in order to match the other fonts in the document, by loading the package with the option `[scaled=...]`. For instance, to use the Euro fonts at 90% of their natural size:

`\usepackage[scaled=0.9]{eurosans}`

The eurosans package requires the package keyval.sty, which is part of the "graphics" bundle and should be available with any decent LaTeX system.

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[*]This manual corresponds to eurosans v3.1, dated 2004-01-26.

2 The font family `eurosans`

The command `\euro` switches to a particular font family named "`eurosans`", which is set up with the encoding "`U`" only.

NFSS classification:

series	shapes	PostScript `FontName`
m	n, it, sl	EuroSans-Regular, EuroSans-Italic
b, bx	n, it, sl	EuroSans-Bold, EuroSans-BoldItalic
mc	n, it, sl	EuroMono-Regular, EuroMono-Italic
sbc, bc	n, it, sl	EuroMono-Bold, EuroMono-BoldItalic

(The `EuroMono` typefaces are actually condensed versions of `EuroSans`.)

3 Obtaning and installing the Euro Fonts

(1) Install the font metrics (`.tfm` files), to be found in the CTAN directory `fonts/euro/tfm`.

(2) Install a font map file for `dvips`, pdfTEX etc, to be found in the CTAN directory `fonts/euro/dvips`:

- `zpeu.map` is for use with dvips and pdfTEX on PC or Unix platform, it requires renaming of the fonts according to the Karl-Berry scheme.
- `zpeu-origname.map`: dito, but you need not rename the fonts;
- `zpeu-mac.map` is for use on the Mac platform

A font map file and the `.tfm` files for the Euro fonts may already be provided in your TEX system, so that you need not install them manually; please, consult its documentation!

(3) Due to legal reasons, the actual `Type1` fonts (`.pfb` and `.afm` files) are *not* distributed from CTAN. They can be obtained for free from Adobe:

`http://www.adobe.com/type/eurofont.html`

a) PC, Unix

You will receive a self-extracting archive "`eurofont.exe`" for DOS/Win, which can be unpacked using Info-Zip's "`unzip`" program, too. The archive file can also be downloaded immediately:

`ftp://ftp.adobe.com/pub/adobe/type/win/all/eurofont.exe`
`ftp://ftp-pac.adobe.com/pub/adobe/type/win/all/eurofont.exe`

b) Mac

The LWFN-Fonts and the Screenfonts for Apple Macintosh Computers can be downloaded immediately as:

`ftp://ftp.adobe.com/pub/adobe/type/mac/all/eurofont.sea.hqx`

You need Aladdin's StuffIt Expander to remove the binhex encoding of the self-extracting archive.

(4) a) PC, Unix

Move the `.pfb` and `.afm` files from the archive to a suitable directory of your TeX system. When using the map file "`zpeu.map`", you also have to rename the files as follows:

```
_1_____.PFB → zpeurs.pfb
_1B_____.PFB → zpeubs.pfb
_1I_____.PFB → zpeuris.pfb
_1BI____.PFB → zpeubis.pfb
_2_____.PFB → zpeurt.pfb
_2B_____.PFB → zpeubt.pfb
_2I_____.PFB → zpeurit.pfb
_2BI____.PFB → zpeubit.pfb
_3_____.PFB → zpeur.pfb
_3B_____.PFB → zpeub.pfb
_3I_____.PFB → zpeuri.pfb
_3BI____.PFB → zpeubi.pfb
```

. . . and ditto for the `.AFM` files!

When using the map file "`zpeu-origname.map`", you need *not* rename the files; however, on Unix you should make sure that the names are lower case.

b) Mac

If you are using the LWFN fonts for Macs just copy them into your `Fonts` folder in the `System` folder.

See the manual of your TeX distribution.for how to use the screen fonts in your DVI viewer.

For OzTeX make a new config file or add the new fonts to an existing config file like this:

`zpeurs  EuroSanReg  "Euro Sans"  nil`

and so on for the other fonts.

4 Known problems

With `dvips` prior to version 5.83, partial font downloading fails with an error message such as:

```
File ... ended before all chars have been found
We scan 0 Chars from 226
Last seen token was '/Euro'
```

Partial font downloading can be turned off by calling `dvips` with the option `-j0` or by specifying `j0` in the `dvips` configuration file.

This bug has been fixed with `dvips` version 5.83.

5 History

v3.1 2004–01–26
- fixed implementation of the option "`scaled`";

- changed `\euro` macro to use symbol #128 with the proper glyph name "`Euro`";

- added installation instructions for Mac (credits to Martin Buchmann)

v3.0 2002–01–09
optional scaling

v2.1 2000–06–15
the EuroMono fonts are used for the condensed series

v2.0 1999–07–21
changed the font names acording to "Karl Berry" scheme

v1.0 1999–01–19
`\euro` is now robust; documentation update

v0.9 1998–11–09
first public version