

installfont

v1.2

**A bash script (cygwin) for installing
a Postscript Type1 font family**

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With this script¹ you can install a Postscript Type1 font family (at least the four basic cuts + (faked) small caps + faked slanted, but no expert fonts) for using it with \TeX (MiKTeX). The script will rename the fonts automatically (optinal) or will otherwise expect the *.pfb and *.afm files named in the Karl Berry scheme (e.g. 5bbr8a.pfb). Just adapt the script variables to your fonts and directories. After running it, you should have a working font installation in your local \TeX tree.²

¹This script automates the procedure described in 'Tutorial I The Basics' in [fontinstallationguide.pdf](#)

²The Barbedor font family in this document was installed with installfont

The font(s)

The script needs the font(s) in Postscript Type1 format and named in Karl Berry scheme. It can try to rename the font(s) and afm files for you by analyzing the afm files. If it fails you will have to rename the font(s) and afm files on your own. The Karl Berry scheme expects a file to be named like this:

$$\underbrace{\text{fxx}}_{\text{font family}} \quad \underbrace{\text{y(y)}}_{\text{font cut}} \quad \underbrace{\text{zz}}_{\text{font encoding}} \quad \text{.pfb}$$

with the following meaning:

f	supplier (type foundry)	p (Adobe), l (Linotype), f (small foundries, free), ...
xx	typeface	tm (Times), ch (Charter), hv (Helvetica), ...
y(y)	weights/variants	r (regular), ri (regular italic), rc (regular small caps), b (bold), bi (bold italic), bc (bold small caps), ...
zz	font encoding	8a (AdobeStandardEncoding), 8r (T _E X base encoding), ...

The script supports the six cuts presented in the table. It will add faked slanted cuts and faked small caps, if there are no real small caps fonts. If you only have one font cut, it will be installed as regular font. If you want more information about Karl Berry scheme read:

texdoc fontname

Options

The style file created with this script offers the following options:

- scaled
You can use the option `scaled` for scaling the font to better match with other fonts. `\usepackage[scaled=1.09, leading=1.1]{barbedor}` was used in this document for better matching with the Bera typewriter font.
- leading
For some fonts it might be necessary to increase the leading between lines for a better optical impression, where 1.0 means 100%.

Usage

Before running the script you have to adapt the script variables to your fonts and directories:

VARIABLE	Example	Explanation
FONTFAMILY	5bb	name of the font family in \TeX
FONTNAME	Barbedor	name of the font
FONTCOMMAND	Barbedor	name of the command the font will be made available
FONTSCALEKV	Sbb	prefix of the scale macro, which should be different for each font (no digits allowed)
PACKAGENAME	barbedor	name of the \TeX style file
PACKAGEDATE	2009/12/31	date in the \TeX style file
PACKAGEVERSION	v1.0	version number in the \TeX style file
LOCALTEXMF	C:\LocalTexMF	location of your local \TeX tree
FONTSUBDIR	MyFonts/Barbedor	location where the fonts and support files should be installed
FONTENCODING	8a	encoding of the font (in general: 8a (AdobeStandardEncoding))
ADMIN	--admin	set or unset the --admin switch for MiKTeX 2.8+

Then simply call the script:

```
kleberj@home ~/installfont
$ installfont
```



After running the script the font(s) should be properly installed. You can use the font just with \usepackage {PACKAGENAME} or \FONTCOMMAND .