Minion Pro and Myriad Pro for MikTeX 2
on a PC with Windows XP and higher

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Preamble:
This is a simple guide for installing Minion Pro and Myriad Pro for the use with MikTeX on a machine that runs with Windows. The guide works for any of the following operating systems: XP, Vista or Seven. This document is intended for entry-level users. If you know how to install a font for MikTeX, you can close this document. There may be other ways to correctly install a font–consider this more of a log of the steps that I (successfully) took. This guide is solely based on the advice I got and the steps I took and of all the steps I took especially the steps that worked.

Contents

1 Short guide

This section contains a short overview, just to give you an idea of the whole operation. You do not need to understand and know about each phrase I mention. :-)

1) Download all the software you most likely do not have on your PC.
2) Download all the LaTeX-font-files (let's call them "metrics") for Minion Pro and Myriad Pro you most likely do not have on your PC.
3) Install LCDF typetools for MikTeX.
4) Convert the .otf-files.
5) Put the files into the right place.
6) Get ready.

2 Requirements for software

2.1 Warning

This subsection is meant as a friendly warning. The thing is... LaTeX is free. Adobe's fonts are not. Usually. To explain it really short: There are limitations to the use of this Adobe font since you will use Adobe's font files to install Minion Pro and Myriad Pro on your MikTeX system. You will not buy and not steal/illegaly download the fonts. You will download them legally. You might already have them on your PC. So later on, you will convert these "free font files". Even if you buy them, I do not know whether it is legal to convert Adobe's font files. You would have to see for yourself. If you want to know more about the aforementioned limitations, you can click through and read the following non-allencompassing list of links:

- Adobe's policy on its Reader and other products that are relevant
- Adobe's License Agreement on Adobe fonts
- Adobe's legal statement concerning piracy and fonts
- Adobe's Western Fonts End User License Agreement

2.2 Steps/Downloads

Here are some steps you might need to take in advance:

1) Create a folder somewhere on your PC, preferrably your desktop, and name it **mpro-workingfolder**.
2) In the folder **mpro-workingfolder**, create two folders named **minionpro-stuff** and **myriadpro-stuff**.
3) Check if you have the Adobe Reader installed. If not, download the version you want (but please mind that it has to be version 7 or higher) and install it. Also, for the next step, please remember where you installed it.
4) Go to the Adobe Reader's program folder and follow the path `\Resource\Font`. You find the **.otf**-files of the Minion Pro and Myriad Pro font there. Copy these files into the folder **mpro-workingfolder**.
5) You will need a program that can extract (also called "unpack") archived files, especially of the type **.zip** and **.gz**. You could download 7-zip or another file archiver. You need to know how to use the program you downloaded.

6) You will need a program that can convert **.otf**-files into **Type 1** format. For your convenience, download the file **lcdf-typetools-w32.tar.gz** on the homepage of the LCDF-project. If you printed this document, please google/bing this term. Also: You do not need to understand right away what it does and what the font-formats mean. To explain it really short and simple: LaTeX cannot directly use the usual font formats that work for software like OpenOffice.org or MS Office (e.g. .ttf, which is the most common file type for a font).

3 Download the LaTeX-files for Minion Pro

1) Go the CTAN page for Minion Pro. If you printed this document, simply google/bing the term "ctan Minion Pro" and one of the first three hits should be *the* CTAN page for Minion Pro.

2) Download the files **enc-2.000.zip**, **metrics-base.zip** and **scripts.zip**.

3) Copy all the downloaded files -except for **scripts.zip-** into the folder **minionpro-stuff**.

4) Copy **scripts.zip** into the folder **mpro-workingfolder**.

Notes:
If you like, also download **metrics-full.zip** and **metrics-optical.zip** and copy them into **minionpro-stuff**. According to the README of the minionpro-package, here's what these metrics are good for:

- metrics-base.zip:
  Contains the metrics for Regular, Italic, Bold, and BoldItalic.
- metrics-full.zip:
  Contains additional metrics for Medium, MediumItalic, Semibold, and SemiboldItalic.
- metrics-opticals.zip:
  Contains additional metrics for the Capt, Subh, and Disp optical shapes.

In case you want more, do not only download **metrics-full.zip**. You need at least **metrics-base.zip**. As the description says, the other metrics are *additional.*

4 Download the LaTeX-files for Myriad Pro

1) You can find the file **MyriadPro7.zip** in the git repo.

2) Extract[1] this file into the folder **myriadpro-stuff**.

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[1]"Extract" is meant to be used via the file archiver of your choice. This applies to all "Extract"'s in this document of course.

5 Install LCDF typetools

1) Extract the archive **lcdf-typetools-w32.tar.gz**.

2) Go into the extracted folder.

3) Mark all files in this folder and "cut" them (ctrl+x).

4) Let's say you installed MikTeX 2.x in `F:\Program Files\`. Go to
   `F:\Program Files\MikTeX 2.x\miktex`
   and insert the copied files. Click on $\boxed{\text{Yes}}$ if the dialogue about existing folders/files pops up.

5) Start MikTeX's settings manager and click on $\boxed{\text{Refresh FNDB}}$.

6 Conversion of .otf files

1) Go into the folder **mpro-workingfolder**.

2) Mark all the **.otf**-files and copy or cut them (ctrl+c or ctrl+x).

3) Extract the file **scripts.zip** into the folder **mpro-workingfolder**.

4) Double-click on the folder **scripts** and then again on the folder **otf**.

5) Right-click on the empty space and then click on insert (ctrl+v).

6) Go one folder up, so that you see the file **convert.bat**.

7) Then double-click on **convert.bat**.

8) You should now see a new folder named **pfb**. In this folder, you should see 16 files, 16 .pfb-files with Myriad/Minion Pro in their name. You can delete the files with the term **LCDF** in their name.

7 The Right Place

7.1 LaTeX-files (metrics)

Up until April 19, 2013, this guide stated that the metrics for Minion Pro had to be put in the installation folder of MikTeX. To be technically correct, this was ok. But the "had"-implication was not, hence I changed the part to saying they can be put into the local TEXMF-folder ([1], [2]) as well.

7.1.1 Minion Pro

1) Go into the folder **minionpro-stuff**.

2) Mark all the files you put there in section 3. So you should at least mark **enc-2.000.zip** and **metrics-base.zip**. You might also mark **metrics-full.zip** and **metrics-optical.zip**.

3) Extract them into your local TEXMF-folder. This might take a while, maybe up to 2 minutes.[2] If you don't know where your local TEXMF-folder ([1], [2]) is, here's a

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[2]It took me about 1.5 minutes on my old Lenovo T61 laptop which is from 2006 I believe.

description:

Let's say you installed your Windows OS on drive `C:` and your username on your Windows OS is Phil. Then choose one of the following locations:

a) For Windows XP:
Insert the copied files into the folder
`C:\Documents and Settings\Phil\Local...`
`...Properties\Application Data\MikTeX\2.x\.`

b) For Windows Vista the folder is:
`C:\Users\Phil\AppData\Roaming\MikTeX\2.x`

c) For Windows 7 it is:
`C:\Users\Phil\AppData\Roaming\MikTeX\2.x`

7.1.2 Myriad Pro

1) Go into the folder **myriadpro-stuff**.
2) Mark the folder **fonts**.
3) Copy it (ctrl+c).
4) Insert it into your local TEXMF-folder.
5) Go into the folder **myriadpro-stuff**.
6) Mark the folders **dvips** and **tex**.
7) Copy them (ctrl+c).
8) Insert them into the folder `F:\Program Files\MikTeX 2.x\`.

7.2 Converted font-files

1) Go into the folder **pfb** from the last step in section 6.
2) Mark the **.pfb**-files for Minion Pro and copy them.
3) You have to insert the copied **.pfb**-files into your local TEXMF-folder. (Remember, your username is Phil.)

a) For Windows XP: Insert the copied files into the folder
`C:\Documents and Settings\Phil\Local Properties\Application...`
`...Data\MikTeX\2.x\fonts\type1\Adobe\MinionPro\.`

b) For Windows Vista:
`C:\Users\Phil\AppData\Roaming\MikTeX\2.x\fonts\type1\Adobe\MinionPro\`

c) For Windows 7 it is:
`C:\Users\Phil\AppData\Roaming\MikTeX\2.x\fonts\type1\Adobe\MinionPro\`

If prompted, click on Yes.

4) Do the preceeding 3 steps similarly for the Myriad Pro font files, meaning "MinionPro" is "MyriadPro".

8 The Final Steps

1) Click down the path `F:\Program Files\MikTeX 2.x\miktex\config`.

2) Right-click on **updmap.cfg** and open with Windows Wordpad.

3) At the very end of the file, add **Map MinionPro.map** and **Map MyriadPro.map**. Close the file, click on ⬚Yes (so that you save the changes) when the dialogue pops up. Please mind: Do not change the filename. The filename has to stay **updmap.cfg**.

4) In Windows, click on **Start** (left bottom).

5) Click on **Run**[3].

6) Enter **cmd** and right-click on it and then on "Execute as Administrator"[4].[5]

7) For the following steps, the procedure for each term is to type in the term, hit Enter, wait for the computer to finish the process and go on to the next term.

   a) texhash (which equals ⬚Refresh FNDB from the MikTeX settings manager GUI.)

   b) initexmf -u

   c) updmap

8) You can now use the command

$$\text{\textbackslash usepackage\{MinionPro\}.}$$

You'll get Minion Pro as the main text and math font for your document. For the use of Myriad Pro as your usual font for captions, use

$$\text{\textbackslash renewcommand\{\textbackslash sfdefault\}\{Myriad-LF\}.}$$

Do *not* use

```
\usepackage{MyriadPro} or
\usepackage{Minion-LF}.
```

For the first build of your LaTeX document with these two commands, you have to wait a bit for it to finish.

9 Usage and ligatures

- In case you would like to search in your generated .pdf-file later on and you are looking for words with ligatures (e.g. "definition"; for further information see your local wikipedia page for this term, please) or German Umlauten, you are not going to find them. But LaTeX can unmask these symbols so that they become "searchable", if you will. It also enables to copy text out of the generated .pdf-file without any

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[3]"Ausführen" in German.

[4]"Als Administrator ausführen" in German.

[5]A thank you to Curryhuhn for this one.

problems.[6] For that, write/copy
`http://www.tug.org/texlive/devsrc/Master/texmf/tex/generic/pdftex/`
into your browser's adress bar and hit Enter.

- You have to put the file **glyphtounicode.tex** into your main .tex-file's folder, meaning the folder of the file you compile when generating your .pdf- or .ps-file. Use the file via `\input` and then activate the unmasking via `\pdfgentounicode=1`.

- Just to make sure: The "on-the-fly"-option needs to be enabled/active if you haven't installed the minionpro-package prior to the first run.

- In the end, it could look like this:

```
\usepackage{MinionPro}
\renewcommand{\sfdefault}{Myriad-LF}
\input{glyphtounicode}
\pdfgentounicode=1
\usepackage{inconsolata}
```

10 Miscellaneous notes

1) Just in case the Myriad Pro resources vanish some day from the server where they are located, you could take a look at the
   LATEX Font Catalogue (http://www.tug.dk/FontCatalogue/).
   I think the Bera Sans font looks quite alright with Minion Pro.

2) In math mode, MnSymbol will should be chosen and installed automatically, but this again requires the activated "on-the-fly"-option in the MikTeX settings manager. If you have a firewall (say such as ZoneAlarm), make sure that the relevant executables (pdflatex.exe and some other executables from MikTeX called mpm_mfc.exe and so on) can connect to the internet.

3) There wasn't any typewriter style supplied with Adobe's original Minion Pro files. That's why there is the line `\usepackage{inconsolata}`. It loads a typewriter font. There are lots of other typewriter style fonts available, just take a look at the Font Catalogue. You could also type `\renewcommand{\ttdefault}{lmtt}`, then you would get the typewriter style of the Latin Modern fonts (usually loaded via `\usepackage{lmodern}`).

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[6]Without any problems when compiled via PDFTEX (pdflatex.exe), that is. Ironically, the old file I created was created via 'PS → PDF' (latex.exe) and that *apparently* omits ligatures. So if anyone copied and pasted the following link, it didn't work because of the ligature "ft" in Minion Pro.