1 Setting up X⅃LATEX with LyX

1.1 Create a new file format

(Tools > Preferences > File Handling > File formats)

- In the **Format** field, enter a unique name[1], e.g. **PDF (xelatex)**

- In the **Short name** field, give it a name like **pdf4**

- The **Extension** field should be **pdf**

- The **Viewer** field should be **open** (on my Linux machine is **xdg-open**)

- In Lyx 1.5 or later check also the **Document format** box

- Click the **Apply** button when you are done.

1.2 Create a new converter

(Tools > Preferences > File Handling > Converters)

- First, select **LATEX (plain)** from the **From format** drop-down list

- Select the GUI name you provided before, i.e. **PDF (xelatex)** from the **To Format** drop-down list

- Click the **Add** button

- In the **Converter** field enter **xelatex $$i**

- In the **Extra flag** field enter **latex**

- Click the **Modify** button, and then click the **Save** button

- Close LyX.

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[1]Please, stick with chosen names throughout the document. If you choose names different from those mentioned in this example, make sure you made necessary changes on other places too.

1.3   Create buttons

Open file **stdtoolbars.inc** (located in **lyx/ui** directory – check your installation. On my Linux machine it is located in **/usr/share/lyx/ui**).

Search for **pdflatex**. It is located in **View/update** section in the file. After these lines:

> **Item "View PDF (pdflatex)" "buffer-view pdf2"**
> **Item "Update PDF (pdflatex)" "buffer-update pdf2"**

add the following:

> **Item "View PDF (xelatex)" "buffer-view pdf4"**
> **Item "Update PDF (xelatex)" "buffer-update pdf4"**

1.4   Add icons

Icons are located in **lib/images** directory (check your installation). On my Linux machine the path is: **/usr/share/lyx/images**. In that directory you'll find all toolbars images.

You may use **buffer-update_pdf2.png** and **buffer-view_pdf2.png** as reference images for creating toolbar icons for X∄LATEX, do some modifications in GIMP or Photoshop (maybe adding **Xe** or something like that, which will make the difference between them and other toolbar icons), and then put them in the same **images** directory with appropriate names: **buffer-update_pdf4.png** and **buffer-view_pdf4.png**, respectively. Now the created buttons will have their images in the toolbar too.

1.5   X∄LATEX basics

Put in the Preamble:

\usepackage[cm-default]{fontspec}
\usepackage[no-sscript]{xltxtra}
\usepackage{xunicode}

If you don't need any additional options to **fontspec** package, it is enough to set only the second line, **xltxtra**, which will automatically call **fontspec** and **xunicode**.

You may customize fonts as follows (an example):

\defaultfontfeatures{Scale=MatchLowercase,Mapping=tex-text}
\setmainfont[Scale=1.105,Numbers=OldStyle]{Minion Pro}
\setsansfont[Numbers=OldStyle]{Myriad Pro}

From command line, you can compile document with command:

xelatex your_doc.tex

For information about using **fontspec**, please read the manual: http://www.ctan.org/tex-archive/macros/xetex/latex/fontspec/fontspec.pdf