

HUMBOLDT-UNIVERSITÄT ZU BERLIN



L^AT_EX for Linguists

L^AT_EX 10: L^AT_EX distribution & editor

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What you need

In order to use L^AT_EX on your system, you need to install **two programs**:

- 1 a **L^AT_EX distribution** (e.g. T_EX Live or MikT_EX) – a program that runs L^AT_EX on your system. It takes your T_EX code and produces your output file (PDF).
- 2 a **L^AT_EX editor** (e.g. T_EX studio) – an interface to make it easier to produce your T_EX file.

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Installation

Please **install** the following programs **in this order**:

① L^AT_EX distribution:

MiK_TE_X and T_EX Live provide versions for Windows, Linux and Mac.

Here is our suggestion:

- for Windows: MiK_TE_X <https://miktex.org>
- for Linux: T_EX Live <https://www.tug.org/texlive/>
- for Mac: MacT_EX (version of T_EX Live) <https://www.tug.org/texlive/>

Install **only one distribution**! If you want to try the other one, deinstall the other distribution first.

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❷ After you have installed the distribution, you can proceed with the **installation of the editor**. Here is our suggestion:

- for Windows, Mac, or Linux: T_EXstudio <https://www.texstudio.org>

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Setting up

- Open the file `testfile.tex` with your editor (T_EXstudio).
- PDFL_AT_EX is set as the **standard compiler**.
You have to **change it to XeL_AT_EX** as follows. (See link to manual)
- Go to the **T_EXstudio preferences**.
- Go to **Build** and change the **default compiler** to XeL_AT_EX.
- Go to **Build & View** and click on the screw-wrench.
- Delete the commands on the right side.
- Add the following commands from the left side to the right side **in this order**:
 - 1 XeL_AT_EX
 - 2 BibT_EX
 - 3 XeL_AT_EX
 - 4 XeL_AT_EX
 - 5 Internal PDF Viewer
- Save your changes (clicking on OK).

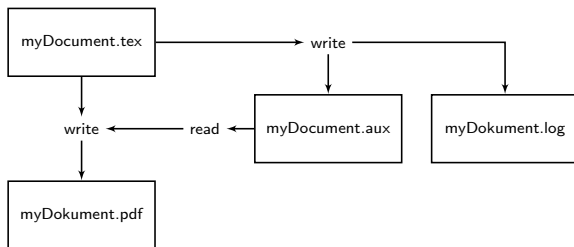
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Compiling

- Now, go back to your document. Click on the **green double arrow** (Build & View button).
- T_EXstudio starts the **compiling process** (Xe_LA_TE_X BibT_EX Xe_LA_TE_X Xe_LA_TE_X).
- Your T_EX distribution is going to **ask** for packages that are **not installed** in your system yet, and it will **download** them.
- After the compilation, your editor will show you the **generated PDF**.
- Your `testfile.pdf` should look like the file `testfile-example.pdf` I am giving you.

A note on auxiliary files

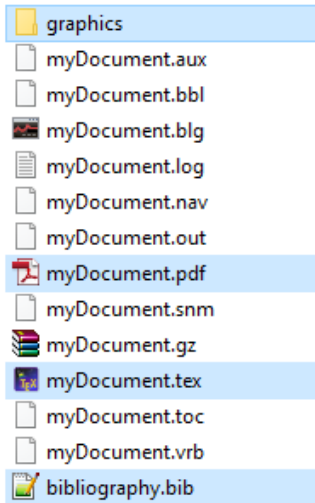
By compiling your document, L^AT_EX creates further **auxiliary files** to improve the next compilations.



- your document: `.tex`
- your output: `.pdf`

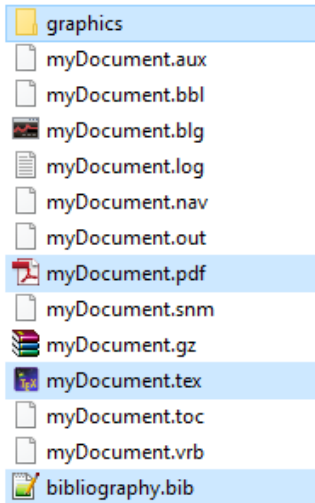
The auxiliary files can be **deleted** after your work is done. They will be created again when you compile.

- .log → information about the compiling process
- .bbl → information for the bibliography
- .nav → information for the navigation through slides
- .toc → information for the table of contents
- ...



The following files are important and **should not be deleted**. They are not created in the compiling process:

- `.tex` → this is the document you are working on.
- `.pdf` → you can delete your PDF, but this is what you normally want as your result
- `.bib` → this file contains your bibliography data base (if you have one)
- folder `graphics` → here could be your graphics (if you need some)



Internet sources I

- Link: CTAN – The Comprehensive T_EX Archive Network.
<http://www.ctan.org/> [Access: 02/01/2019]
- Link: ℒ_AT_EX MeMeS for Well Typeset Teens.
<https://www.facebook.com/badness10000/> [Access: 29/07/2018]
- Link: T_EXstudio Manual (English).
http://texstudio.sourceforge.net/manual/current/usermanual_en.html
 [Access: 16/01/2019]
- Software: MiKTeX.
<https://miktex.org/> [Access: 10/01/2019]
- Software: T_EX Live.
<https://www.tug.org/texlive/> [Access: 10/01/2019]
- Software: TeXstudio
<https://www.texstudio.org/> [Access: 10/01/2019]
- Software: VerbT_EX – ℒ_AT_EX editor for iPhone
<https://itunes.apple.com/us/app/verbtex-latex-editor/id560869163?mt=8>
 [Access: 18/01/2019]

Literature I

- Freitag, Constantin & Antonio Machicao y Priemer. 2015. LaTeX-Einführung für Linguisten. Manuscript. <https://www.linguistik.hu-berlin.de/de/staff/amp/latex-einfuehrung>.
- Knuth, Donald E. 1986. *The TeX book*. Boston: Addison-Wesley.
- Kopka, Helmut. 1994. *LaTeX: Einführung*, vol. 1. Bonn: Addison-Wesley.