Beamer Installation Guide – Easy as pie.

 \equiv

😥 🛛 By Admin 🔹 May 28, 2021

Learn how to install beamer on your operating system (Windows, Linux or Mac) and start creating beautiful LaTeX presentations.

Contents :
1. Windows
2. Linux
3. Max OS
4. Test your installation

It should be noted that a full installation mode of LaTeX includes Beamer. If it is not the case, follow this post!

To create presentations in LaTeX, the user needs to install the latest version of **Beamer**, **PGF**, and **xcolor** packages. Let's start by the first operating system!

1. Installing Beamer on Windows

– TeXLive

If you have already installed the latest version of TeXLive under full installation mode, then the beamer class is included by default. For older TeXLive versions, the tImgr tool can be used to install the missing beamer, pgf and xcolor packages.

– MikTeX

To use the beamer class in MikTeX, the user needs to install the three packages using the package manager in MikTeX Console. The next illustration shows how one can install beamer package on Windows using MikteX Console. Similarly, PGF and Xcolor packages can be installed.

MiKTeX (Console			_		×
e Tasks	Help					
Overview	Packages	s				
Settings	Install from: a	a random package repo	ository on the Internet	~	Change.	
Updates	Install to: C	Install to: C:\Users\pc\AppData\Local\Programs\MikTeX 2.9				
Packages	- + - 0	$\Rightarrow = \bigcirc \forall \text{beamer} \otimes \forall$				
Diagnose	Name	Category	Title	Packaged or	Size	Γ
Cleanup	appendixnun	mb \Formats\L	Manage frame numbering in appendixes in beamer	16/01/2018	4.71 KiB	
	beamer	\Formats\L	A LaTeX class for producing presentations and slides	07/05/2020	4.02 MiB	
T	beamer-fube	erlin \Formats\L	Beamer, using the style of FU Berlin	22/08/2015	636.70 KiB	
	beamer-rl	\Uncategor	Right to left presentation with beamer and babel	05/10/2019	238.15 KiB	
	beamer-vero	ona \Formats\L	A theme for the beamer class	29/12/2015	1.35 MiB	
<u>^-</u>	beamer2thes	sis \Formats\L	Thesis presentations using beamer.	05/09/2012	709.75 KiB	
	beamerappe	endi \Formats\L	Create notes on appendix frames in beamer	09/06/2020	71.30 KiB	
	beameraudie	ence \Formats\L	Assembling beamer frames according to audience	07/08/2011	4.96 KiB	
	beamerauxth	heme \Formats\L	Supplementary outer and inner themes for beamer	08/05/2019	487.77 KiB	
	beamercolor	rthe \Formats\L	A flexible beamer color theme to maximize visibility	20/03/2016	656.01 KiB	
	beamerdarkt	the \Formats\L	Dark color themes for beamer	12/05/2020	9.42 MiB	
	beamerposte	er \Formats\L	Extend beamer and a0poster for custom sized posters	24/04/2018	124.36 KiB	
	beamersubfr	rame \Formats\L	Reorder frames in the PDF file.	12/08/2011	608.83 KiB	
	beamerswitc	h \Formats\L	Convenient mode selection in Beamer documents	09/06/2020	363.31 KiB	
	beamerthem	ne-c \Formats\L	A beamer theme with 4 colour palettes.	04/10/2016	613.70 KiB	
	<				>	

Beamer Installation on Windows: Package Manager in MikTeX Console

i

Once these are installed successfully, do not forget to refresh the file name database (FNDB) so that TeX identifies the new files in the directory. FNDB can be refreshed under the tasks menu option in MikTeX Console (Tasks>Refresh file name database), Check below!



Refreshing Filename Database (FNDB)

2. Installing Beamer on Linux

Installing the beamer class in Ubuntu is reasonably straightforward. Run the command **aptitude install latex-beamer**. If the packages do not exist by default, then the automatic installation of the required packages will start. The following packages will get lodged in the local directory: latex-beamer, pgf, and xcolor.

3. Installing Beamer on Mac

To run the beamer class in MacTeX, we need to have UMBC themes. However, LaTeX doesn't ship these things along with it, and the user needs to download and install them separately. The process of installation as described by the read.me file:

- 1. UMBC theme collection can be downloaded from beamerumbc.tar.gz
- 2. Unzip the archive file. This will yield a folder named beamer. The user needs to rename this folder as UMBC.
- 3. Next, choose to Go to Folder under the menu choice and type ~/Library.
- The user will see a folder with the name 'texmf' if it already exists. If nothing appears, create a folder with 'texmf' name.
- 5. Inside the **texmf** folder, the user shall find a tex folder (if it already exists) or create a new one.
- 6. Now, inside the tex folder, another folder named latex should exist, open it (if it does not exist, create it.)
- 7. Finally, place the UMBC folder inside the latex folder.
- 8. Run texhash to let TeX read the newly installed files.

```
CONTENTS:
Here is the contents of the archive, shown as a directory tree:
beamer
|-- beamer-umbc.readme
 -- themes
    l-- inner
        -- beamerinnerthemeumbcboxes.sty
         -- beamerinnerthemeumbctribullets.sty
     -- outer
        `-- beamerouterthemeumbcfootline.sty
     -- theme
        -- beamerthemeumbc1.sty
        -- beamerthemeumbc2.sty
        -- beamerthemeumbc3.sty
         -- beamerthemeumbc4.sty
To install, just unpack and merge the archive into your existing
beamer directory tree.
You may need to run texhash to make your TeX installation aware of
the new files.
```

Now, we should be able to use the beamer class in MacTeX.

4. Test Your Installation

The first thing that we should do before starting creating LaTeX presentations is to test the installation. To this end, download one of the

- Talk in EN
- Talk in DE
- Talk in FR

and place it in your presentation folder. It should be noted that these files can be found in the following path **beamer/doc/solutions/generictalks**. The next step is to run the command **pdflatex** and check whether the output pdf file looks like the following:

Introduction Summary	Introduction Summary
	Outline
Presentation Title Presentation Subtitle	
F. Author ¹ S. Another ²	 Introduction First Subsection Name
¹ Department of Computer Science University of Somewhere	Second Subsection
² Department of Theoretical Philosophy University of Elsewhere	
Date / Occasion	
(日)(月)(2)(2)(2)(2)(2)(2)(2)(2)(2)(2)(2)(2)(2)	くロン (四) (三) (三) (三) (三) (三) (三) (三) (三) (三) (三
Author, Another Short Paper Title	Author, Another Short Paper Title
Introduction Short First Subsection Name Summary Second Subsection	Introduction Short First Subsection Name Summary Second Subsection
Outline	Make Titles Informative. Use Uppercase Letters. Subtitles are optional.
 Introduction First Subsection Name Second Subsection 	 Use itemize a lot. Use very short sentences or short phrases.



Introduction
 First Subsection Name
 Second Subsection

Introduction Summary	Short First Subsection Name Second Subsection	Introduction Summary
Make Titles Informative.		Summary
		• The first main message of your talk in one or two lines.
		• The second main message of your talk in one or two lines.
		• Perhaps a third message, but not more than that.
		• Outlook
		 Something you haven't solved. Something else you haven't solved.
	(日) (四) (王) (王) (王) (日) (四) (日) (日) (日) (日) (日) (日) (日) (日) (日) (日	(日)(4)(4)(4)(4)(4)(4)(4)(4)(4)(4)(4)(4)(4)
Author, Another	Short Paper Title	Author, Another Short Paper Title

After successful installation of beamer, you can start TODAY creating LaTeX presentations by following this short guide.

Search

Q



LaTeX-Beamer.com is a personal website about creating stylish and modern presentations in LaTeX, through step-by-step lessons.

© 2023 Copyright LaTeX Beamer | Privacy Policy