

# gitver – Git version tags for L<sup>A</sup>T<sub>E</sub>X projects

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This file is maintained by Charles Baynham.  
Bug reports can be opened at  
<https://github.com/charlesbaynham/gitver>.

## 1 Introduction

The `gitver` package gets a description of the current git version of this document and stores it in a command `\gitVer`. If `memoir` or `fancyhdr` are in use, it will also add this to the document footers unless the option `noheader` is passed.

It also defines a command `\versionBox` which outputs a box containing the version and date of compilation.

For this to work, you must have git installed and available on the command line, this document must be part of a git repository, and latex must be running in “shell escape” mode. This can be enabled by passing `--shell-escape` on the command line when compiling your document, or will be available in the options of whatever GUI you’re using (try Googling).

Note that it’s a good idea to tell git to ignore all the latex auxiliary files, otherwise your version will always be “dirty”. Try the `.gitignore` file from <https://www.gitignore.io/api/latex> if you don’t already have one.

The package is released “as is” with no warranty under the LaTeX Project Public License, version 1.3.

## 2 Usage

### 2.1 Macros

`\gitVer` The main point of this package, the command `\gitVer` prints a string of text describing the current revision of this git repository. Use like so:

The current version of this repository is “`\gitVer{}`”.

which compiles to

The current version of this repository is “d61100”.

`\versionBox` Alternatively, you can use a `\versionBox`, most commonly in the footer:

`\versionBox{}`

gives the output:

Manuscript version: #d61100 - 2020-07-04 08:42:43+01:00

## 2.2 Footers

By default, `gitver` will try to place a `\versionBox` into the footer of your document. If you're using the `memoir` class or the `fancyhdr` package, this will happen automatically. This document has these footers enabled: have a look at the bottom of this page for an example.

**noheader** You can disable the headers by adding the option `noheader` to the package call.

If you include `gitver` without either of `memoir` or `fancyhdr` loaded, it will complain. To suppress this complaint, pass the `noheader` option.

To customise the header / footer behavior, pass `noheader` and then use a combination of `\versionBox` and `\gitVer` to make your own headers/footers.

## 2.3 Metadata

**nopdfinfo** By default, this package also adds the git tag to the pdf document's metadata under the subject field. To disable this behaviour, pass the option `nopdfinfo`.

## 3 History

- v1.0 - First release
- v1.1 - Remove extra space from output
- v1.2 - Use `datetime2` instead of `datetime` to reduce dependancy burden and display dates in ISO format