

The `docref` Package

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Version 0.2
October 26, 2026

Abstract

`docref` retrieves reference numbers, titles, and page numbers from locally available package documentation. It requires LuaLaTeX. Keep `docref.sty` and `docref.lua` together beside your document or in a TeX-searchable directory.

1 Usage

Each command takes a package name and a label. `\docref{pkg}{label}` gives the reference number, `\docnameref{pkg}{label}` the title or caption, and `\docpageref{pkg}{label}` the page number.

For example, refer to a section in the Babel manual:

```
\usepackage{docref}
\usepackage{hyperref} % optional
```

```
See Section~\docref{babel}{selectors},
``\docnameref{babel}{selectors}'',
on page~\docpageref{babel}{selectors}.
```

This refers to Babel section 1.9, “[Basic language selectors](#)”, on page 19.

The same commands work for figures. This example uses the supplied label record from the `geometry` 6.0 manual:

```
\DocRefSource{geometry}{geometry-labels.aux}[geometry.pdf]
```

```
Figure~\docref{geometry}{fig:Labc},
``\docnameref{geometry}{fig:Labc}'',
on page~\docpageref{geometry}{fig:Labc}.
```

This refers to Figure 3, “[A simple model of page dimensions](#)”, on page 4.

With `hyperref`, loaded before or after `docref`, references link to the external PDF. All three commands accept a star to suppress the link, for example `\docref*{geometry}{fig:Labc}`. Unresolved values produce ?? and a warning. Dotted number components follow the surrounding text direction; digits within each component remain left to right.

2 Selecting a manual

Common source names include `pkg.tex`, `pkg-doc.tex`, and `pkg-manual.tex`; `.ltx` and `.dtx` sources are also supported. Installed documentation takes precedence over similarly named files in the working directory.

Register a source or auxiliary file explicitly in the preamble:

```
\DocRefSource{pkg}{path/manual.tex}[path/manual.pdf]
```

The optional final argument selects a PDF file or URL. Otherwise the PDF is sought beside the source and in TeX's documentation search path. A fragment's `% !TeX root = manual.tex` comment selects its main document. An auxiliary file can be registered without the TeX source.

3 Labels and lookup rules

For complete references, make the built manual's `.aux` file available. Its records supply numbers, titles, pages, and destinations for all label types, including chapters, figures, tables, equations, list items, and custom counters.

Titles require records produced with `nameref` or `hyperref`; exact link destinations require `hyperref` in the target manual. Titles are plain text; recorded empty values remain empty. Auxiliary files, including those for included chapters, are read as data.

Source scanning alone handles headings from `section` to `subparagraph`, with labels following their headings. It cannot calculate arbitrary counters or pagination. PDF bookmarks and page labels provide fallback titles and pages; physical page numbers are used when page labels are absent.

Without an auxiliary destination, a standard section destination is used only if it exists in the PDF; otherwise the link opens the manual at its beginning. If no PDF is found, the reference remains unlinked.

4 License

The `Docref` package is released under the L^AT_EX Project Public License (LPPL), version 1.3c or later. The full text of the license is available in the `LICENSE` file.

5 Author and Maintainer

The `Docref` package is developed and maintained by **Amer Amikhteh**.

The project's source code, development versions, and issue tracker are available in the project repository:

<https://github.com/gambi-shah/docref>