

## SYNOPSIS

**bib2gls** [*option*]+ *auxfile*

## DESCRIPTION

**bib2gls** is designed to work with the **glossaries-extra** LaTeX package. (The **record** package option is required.) The application performs two functions in one: (1) selects entries from .bib files according to information found in the *auxfile* (similar to **bibtex**); (2) hierarchically sorts entries and collates location lists (similar to **makeindex** and **xindy**). The .aux extension may be omitted from *auxfile*.

## OPTIONS

**--help** or **-h**

Display help message and exit.

**--version** or **-v**

Display version information and exit.

**--debug** [*level*]

Switch on the debug mode (optionally at the given *level*, which should be a non-negative integer). If *level* is **0** then the debug mode is switched off.

**--no-debug** (or **--nodebug**)

Switch off debug mode. (Equivalent to **--debug 0**)

**--verbose**

Switch on verbose mode.

**--no-verbose** (or **--noverbose**)

Switch off verbose mode. (Some messages will still be written to STDOUT.)

**--silent**

Only display error messages. All other messages are just written to the transcript file.

**--locale** *lang* (or **-l** *lang*)

Use language resource file for *lang* (which should be an IETF locale tag).

**--log-file** *file* (or **-t** <file>)

Set the transcript file.

**--dir** *directory* (or **-d** <directory>)

Files are relative to *directory*. (This doesn't change the current working directory.)

**--tex-encoding** *name*

Set the character encoding for the output files. This overrides the setting given in *auxfile*.

**--interpret**

Use the TeX parser library to interpret known (La)TeX commands (default).

**--no-interpret**

Don't try interpreting (La)TeX commands.

**--break-space**

Interpret ~ (tilde) character and \nobreakspace as a normal space.

**--no-break-space**

Interpret ~ (tilde) and \nobreakspace as a non-breaking space (default).

**---cite-as-record**

Treat `\citation` as an ignored record.

**---no-cite-as-record**

Don't check for instances of `\citation` in the *.aux* file (default).

**---warn-non-bib-fields**

Warn if internal non-bib fields are found in the *.bib* file.

**---no-warn-non-bib-fields**

Don't warn if internal non-bib fields are found in the *.bib* file. The use of these internal fields can cause unexpected results, so only use this option if you have taken appropriate precautions.

**---warn-unknown-entry-types**

Warn if any unknown entry types are found in the *.bib* file.

**---no-warn-unknown-entry-types**

Don't warn if any unknown entry types are found in the *.bib* file.

**---merge-wrglossary-records**

Merge an entry's **wrglossary** records for the same page locations. (For use with the **indexcounter** package option.)

**---no-merge-wrglossary-records**

Don't merge an entry's **wrglossary** records.

**---merge-nameref-on rule**

Rule for merging locations created with the **record=nameref** package option (requires *glossaries-extra.sty* version 1.37+). The *rule* may be one of: **hcounter**, **href**, **title** or **location**.

**---force-cross-resource-refs or -x**

Force cross-resource referencing mode on.

**---no-force-cross-resource-refs**

Don't force cross-resource referencing mode on (default).

**---support-unicode-script**

Text superscript (`\textsuperscript`) or subscripts (`\textsubscript`) will use Unicode superscript/subscript characters if available. For example, `\textsuperscript{2}` will be converted to U+00B2 (superscript two).

**---no-support-unicode-script**

Text superscript (`\textsuperscript`) or subscripts (`\textsubscript`) won't be converted to Unicode superscript/subscript characters. For example, `\textsuperscript{2}` will be converted to `<sup>2</sup>` and the markup will be stripped leaving just the character 2.

**---packages list (or -p list)**

Instruct the TeX parser library to pretend the packages listed in *list* have been used by the document. Note that there's only a limited number of packages supported by the TeX parser library. This option has a cumulative action so **---packages wasysym,pifont** is the same as **---packages wasysym ---packages pifont**.

You can find out the list of supported packages with **---list-known-packages**.

**--custom-packages** *list*

Instruct the TeX parser library to attempt to parse the packages listed in *list*. This is intended for simple custom packages that don't contain complex code.

**--ignore-packages** *list* (or **-k** *list*)

Don't parse the log file for the packages listed in *list*. Note that **--packages** overrides this option, so if the same package is listed in both **--ignore-packages** and **--packages** then the interpreter will check if it's supported. This option has a cumulative action. Only known packages may be included in *list*.

**--list-known-packages**

Lists all the packages that have are known to the TeX parser library and then exits (with exit code 0). Any of the listed packages may be used in **--packages** or **--ignore-packages**.

**--mfirstuc-protection** *fields|all* (or **-u** *fields|all*)

Insert an empty group if fields start with certain problematic commands to protect against case-changing commands like `\Gls`.

The default is to do this for all fields. To do this for only a subset of fields, set *fields* to a comma-separated list of fields (e.g. **name,short,long**). The keyword **all** indicates all fields.

**--no-mfirstuc-protection**

Switch off the auto-insertion of an empty group for all fields.

**--mfirstuc-math-protection**

Switch on the auto-insertion of an empty group for math-shift (`$`). This option will be overridden by **--no-mfirstuc-protection**.

**--no-mfirstuc-math-protection**

Switch off the auto-insertion of an empty group for math-shift (`$`).

**--nested-link-check** *list|none*

Check each field listed in *list* for potentially problematic nested link text. (Default list: name, text, plural, first, firstplural, short, shortplural, long, longplural, symbol).

If **none**, disable check.

**--no-nested-link-check**

Don't check for potentially problematic nested link text. (Equivalent to **--nested-link-check none**)

**--shortcuts** *option*

Check for the shortcut commands when searching for dependencies. Permitted values of *option*: **acronyms** (or **acro**), **ac**, **abbreviations** (or **abbr**), **all** (or **true**), **none** (or **false**). This overrides the setting given in *auxfile*.

**--map-format** *key:value[,key:value]\** (or **-m** *key:value[,key:value]\**)

Set location format mappings.

**--group** or **-g**

Add **group** field to entries.

**--no-group**

Don't add **group** field to entries (default).

- record-count** or **-c**  
Add record count fields to entries.
- no-record-count**  
Don't add record count field to entries (default). This option automatically implements **---no-record-count-unit**.
- record-count-unit** or **-n**  
Add unit record count fields to entries. This option automatically implements **---record-count**.
- no-record-count-unit**  
Don't add unit record count field to entries (default).
- trim-fields**  
Trim leading and trailing spaces from all fields. This option cancels **---trim-only-fields** and **---no-trim-fields**.
- trim-only-fields** *list*  
Trim leading and trailing spaces from only the listed fields. This option is cumulative but is cancelled by **---trim-fields** and **---no-trim-fields**. This option may not be used with **---trim-except-fields**.
- trim-except-fields** *list*  
Trim leading and trailing spaces from all fields except those listed. This option is cumulative but is cancelled by **---trim-fields** and **---no-trim-fields**. This option may not be used with **---trim-only-fields**.
- no-trim-fields**  
Don't trim leading and trailing spaces from fields (default). This option cancels **---trim-only-fields** and **---trim-fields**.
- expand-fields**  
Don't write `\glsnoexpandfields` to the *.glstex* file.
- no-expand-fields**  
Write `\glsnoexpandfields` to the *.glstex* file (default).
- provide-glossaries**  
Write `\provideignoredglossary*` to the *.glstex* file to provide unknown glossaries.
- no-provide-glossaries**  
Don't write `\provideignoredglossary*` to the *.glstex* file to provide unknown glossaries except in documented situations (**master**, **secondary** and **trigger-type** resource options). This setting is the default.

## REQUIRES

Java 7 or later and a TeX distribution.

## LICENSE

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## RECOMMENDED READING

The bib2gls manual:

```
texdoc bib2gls
```

The glossaries-extra manual:

```
texdoc glossaries-extra
```

The glossaries manual:

```
texdoc glossaries
```

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