

## 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*.

The *auxfile* (and corresponding .log file) should either be in the current directory or in the directory specified by **--dir**. Bib files can either be relative to the directory the *auxfile* is in or in a location that can be found by kpsewhich.

## 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).

**--obey-aux-catcode**

Obeys known category code changing commands encountered in the aux file.

**--no-obey-aux-catcode**

Ignore category code changing commands encountered in the aux file.

**--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.

**--collapse-same-location-range**

Collapse an explicit range that has a duplicate start and end location into a normal record (default).

**--no-collapse-same-location-range**

Don't collapse an explicit range that has a duplicate start and end location into a normal record.

**--retain-formats *list***

Indicates which location formats should always be retained even if it causes a partial duplicate. Only exact duplicates will be merged.

**--no-retain-formats**

Normal location merging rules apply (default).

**--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.

If *mfirstuc* v2.08+, *glossaries* v4.50+ and *glossaries-extra* v1.49+ are detected, the default will be **--no-mfirstuc-protection** as there should no longer be any need for this protection.

**--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 (`$`).

If *mfirstuc* v2.08+, *glossaries* v4.50+ and *glossaries-extra* v1.49+ are detected, the default will be **--no-mfirstuc-math-protection** as there should no longer be any need for this 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-rule** *rule* or **-r** *rule*

Sets the rule used by **--record-count** and **--record-count-unit**. This option automatically implements **--record-count**.

The *rule* may be: **all** or **a** (count all records), **non-ignored** or **n** (count all non-ignored records), **f/regex/** (only count records where the format matches the regular expression *regex*), **c/regex/** (only count records where the counter name matches the regular expression *regex*), or **f/regex1/c/regex2/op** (only count records where the format matches the regular expression *regex1* and/or the counter name matches the regular expression *regex2*). The *op* part is optional. If present it may be one of: **and** (format AND counter must match), **or** (format OR counter must match). If *op* is omitted, AND is assumed.

**--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 *.gls* file.

**--no-expand-fields**

Write `\glsnoexpandfields` to the *.gls* file (default).

**--provide-glossaries**

Write `\provideignoredglossary*` to the *.gls* file to provide unknown glossaries.

**--no-provide-glossaries**

Don't write `\provideignoredglossary*` to the *.gls* file to provide unknown glossaries except in documented situations (**master**, **secondary** and **trigger-type** resource options). This setting is the default.

**--replace-quotes**

Replace single and double quote characters ( ' and " ) with `\bibglsaposchar` and `\bibglsdoublequotechar` in field values and group information written to the *.gls* file.

**--no-replace-quotes**

Don't replace quote characters (default).

**REQUIRES**

Java 8 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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