

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).

--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, `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, `2` will be converted to `²` 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.tex* file.

--no-expand-fields

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

--provide-glossaries

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

--no-provide-glossaries

Don't write `\provideignoredglossary*` to the *.gls.tex* 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.tex* file.

--no-replace-quotes

Don't replace quote characters (default).

REQUIRES

Java 7 or later and a TeX distribution.

LICENSE

License GPLv3+: GNU GPL version 3 or later <<http://gnu.org/licenses/gpl.html>> This is free software; you are free to change and redistribute it. There is NO WARRANTY, to the extent permitted by law.

RECOMMENDED READING

The bib2gls manual:

```
texdoc bib2gls
```

The glossaries-extra manual:

```
texdoc glossaries-extra
```

The glossaries manual:

```
texdoc glossaries
```

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