

Gregorio and gregoriotex:

A project which provides tools for
gregorian score engraving.

[Homepage](#)

Source code available on [GitHub](#).

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1 User Controls

These functions are available to the user to customize elements of the score which cannot be controlled from the gabc file. They can be added to any .tex file. Do not add them to any .gtex or .gabc file.

1.1 Colors

Colors are strictly a L^AT_EX phenomena as currently implemented. All commands which change the color of text simply print the text without alteration in PlainT_EX.

All colors can be redefined using `\definecolor`. See the xcolor package for documentation.

Example:

```
\definecolor{gregoriocolor}{RGB}{229,53,44}
```

grebackgroundcolor

Color gregoriotex uses to block out elements which have been printed, but shouldn't show (e.g., the staff line going through the interior of a punctum cavum) {RGB}{255,255,255} (white)

gregoriocolor

Color of elements formatted by `\colored {RGB}{229,53,44}` (red similar to what is found in liturgical documents)

1.2 Environments

Environments are used to apply standard formatting to elements of the score. Redefining the environment (via a `\renewenvironment` command) allows the user to change how these elements appear in the score.

While environments are technically a L^AT_EX phenomena, for users of PlainT_EX each environment has a pseudo-environment equivalent which is used in place of the environment. The pseudo-environments are called with a `\start*` and `\stop*` command (where “*” is the name of the environment). To change

the format of the text in the pseudo-environment, simply redefine these commands (usually you only need to redefine the `\start*` command). Just make sure that any new definition for `\start*` has `\begingroup` as the first line and for `\stop*` has `\endgroup` as the last line.

initialformat

Defines how the first letter of a score appears when using leading initial. Defaults to huge (New Century Roman at 40pt in Plain \TeX).

Example, to change the font of the first letter:

```
\renewenvironment*{initialformat}{\fontfamily{ppl}\selectfont\huge}{}{}
```

Deprecated version: `\greinitialformat`

biginitialformat

Defines how the first letter of a score appears when using a 2-line leading initial. Defaults to Huge (New Century Roman at 80pt in Plain \TeX)

Deprecated version: `\grebiginitialformat`

abovelinetextstyle

Defines how the text placed above the staff lines appears. Defaults to small and italic (italic only in Plain \TeX).

Deprecated version: `\greabovelinetextstyle`

translationformat

Defines how the translation text appears. Defaults to italic.

normalstafflinesformat

Defines how the staff lines will appear. Note that the staff lines are drawn with `\hrule` and so very few things will actually affect their appearance (color being the most prominent one that does). Empty default.

Deprecated version: `\grenormalstafflinesformat`

additionalstafflinesformat

Defines how the additional staff lines (the little ones which are drawn for notes above or below the normal staff lines) appear. Defaults to `normalstafflinesformat`.

Deprecated version: `\greadditionalstafflinesformat`

lowchoralsignstyle

Defines how the low choral signs should appear. Empty default.

Deprecated version: `\grelowchoralsignstyle`

highchoralsignstyle

Defines how the high choral signs should appear. Empty default.

Deprecated version: `\grelowchoralsignstyle`

1.3 Commands

In general, commands should not be modified. Exceptions are noted below.

\colorred{#1}

Colors its argument with `gregoriocolor` Modify color by changing `gregoriocolor`.

Argument	Value	Description
#1	string	The text to be colored.

Example:

```
\colorred{This text is red.}
```

\colorredlines{#1}

Colors the staff lines.

Argument	Value	Description
#1	string	Must be a named color defined using <code>\definecolor</code>

Example:

```
\definecolor{myorange}{RGB}{221,86,8}
\coloredlines{myorange}
```

Deprecated version: `\grecoloredlines`

\redlines

Short cut for coloring the staff lines `gregoriocolor`.

Equivalent to `\coloredlines{gregoriocolor}` Modify color by changing `gregoriocolor`.

Deprecated version: `\greredlines`

\normallines

Removes all formatting from staff lines.

Deprecated version: `\grenormallines`

\setstaffsize{#1}

Changes the size of the staff (and the neumes placed on the staves).

Note: This does not change the size of the accompanying text (lyrics and/or translations).

Argument	Value	Description
#1	integer	Larger values for larger staves, smaller values for smaller staves. Default value is 17.

Example:

```
\setstaffsize{20}
```

Note: If set to 0 `gregoriotex` will use the default value.

Deprecated version: `\setgrefactor`

\addtranslationspace

Add space below the staff for a translation. Has no effect if space is already allocated for a translation.

`\removetranslationspace`

Removes the space below the stave for the translation (un-does `\addtranslationspace`). Has no effect if space is currently not allocated to a translation.

`\setfirstannotation{#1}`

Macro to set the first (top) annotation above the initial. This macro automatically aligns the top of the annotation with the 4th bar line. This is equivalent to `\setfirstlineaboveinitial{#1}{#1}`.

See also `\setsecondannotation` for typesetting two lines of text above the initial.

Argument	Value	Description
<code>#1</code>	string	The text of the annotation.

Example:

```
\setfirstannotation{VIII g}
```

Deprecated version: `\gresetfirstannotation`

Deprecated version: `\writemode` (n.b. this applied small caps and bold automatically while `\setfirstannotation` does not.)

`\setfirstlineaboveinitial{#1}{#2}`

Macro to set the first (top) annotation above the initial. This macros allows you to control how far below the top of the staff `#1` (string containing contents of annotation) appears via the second argument. When its height is 0, the baseline of the annotation aligns with the 4th bar line. Positive values for the height push the annotation down. The argument cannot have a negative height. `#2` can be pretty much anything with a visible representation. `\newline` and `\\` are not respected in either `#1` or `#2`. Note: large annotations which stick out above the staff will push the commentary up.

Argument	Value	Description
<code>#1</code>	string	The text of the annotation.
<code>#2</code>	string	Any text with a positive heighth.

Example:

```
\setfirstlineaboveinitial{I g2}{I}
```

Deprecated version: `\gresetfirstlineaboveinitial`

\setsecondannotation{#1}

Macro to set the second (bottom) annotation above the initial.

Argument	Value	Description
#1	string	The text of the annotation.

Example:

```
\setsecondannotation{III a}
```

Can be used in conjunction with `\setfirstannotation` to typeset two lines of text above the initial.

```
\setfirstannotation{I Ant.}  
\setsecondannotation{IV a}
```

Deprecated version: `\gresetsecondannotation`

\scorereference

Does nothing.

\commentary{#1}

Macro to place the commentary (usually the scriptural reference) in the top right-hand corner of the score. While individual calls do not support multiple lines, the macro can be called multiple times; each call will typeset a new line.

Argument	Value	Description
#1	string	The text of the commentary.

Example:

```
\commentary{Ps. 109:3}
```

\removelines

Macro to remove the staff lines.

Deprecated version: `\greremovelines`

\donotremovelines

Macro to force staff lines (undoes the effects of `\removelines`).

Deprecated version: `\gredonotremovelines`

\settrantlationcenteringscheme{#1}

Macro to change the centering scheme for the translation.

Argument	Value	Description
#1	0	Translation is left aligned with the corresponding text.
	1	Translation is centered below the corresponding text.

Example:

```
\settranslationcenteringscheme{1}
```

Deprecated version: `\setgretranslationcenteringscheme`

\setnlbintranslation{#1}

Macro to change whether line breaks are allowed in the translations.

Argument	Value	Description
#1	0	Line breaks are allowed.
	1	Line breaks are prohibited.

Example:

```
\setnlbintranslation{0}
```

\blockcustos

Macro to block custos. Applies to all subsequent scores in group.

Deprecated version: `\greblockcustos`

\GreSetStaffLinerFormat{#1}

Deprecated. Used to set the format for the staff lines. See above notes on the environments for updated documentation.

\includescore{#1}

Macro for including scores. Works on both gabc and tex files.

Argument	Value	Description
#1	string	Relative or absolute path to the score.

Example:

```
\includescore{TecumPrincipium.tex}  
\includescore{Chant/VirgoVirginum.gabc}  
\includescore{/home/user/chant/AdTeLevavi}
```

The following lines include the same score:

```
\includescore{Christus}  
\includescore{Christus.gt看}  
\includescore{./Christus}  
\includescore{./Christus.gabc}
```

\includetexscore{#1}

Macro for including scores which have already been run through gregorio (i.e. are in gtex format).

Argument	Value	Description
#1	string	Relative or absolute path to the .gtex score.

Deprecated version: `\greincludetexscore`

\includegabescore{#1}

Macro for including scores which are in gabc format. This macro will run gregorio on the file before including it.

Argument	Value	Description
#1	string	Relative or absolute path to the .gabc score.

Deprecated version: `\greincludegabcscore`

`\GreUseNormalHyphen`

Tell gregoriotex to use normal hyphens at the end of lines (default behavior).

Note: Placing an explicit hyphen in between special character brackets (i.e. `<sp>-</sp>`) in the gabc file will always result in a zero-width hyphen.

Note: This command only affects the hyphens within a score. Hyphens elsewhere in a document are unaffected (hence the "Gre" in the command name).

`\GreUseZeroHyphen`

Tell gregoriotex to use zero-width hyphens at the end of lines.

Note: This command only affects the hyphens within a score. Hyphens elsewhere in a document are unaffected (hence the "Gre" in the command name).

`\GreForceHyphen`

Tell gregoriotex to force the appearance of hyphens between all syllables.

Note: This command only affects the hyphens within a score. Hyphens elsewhere in a document are unaffected (hence the "Gre" in the command name).

`\removeclef`

Macro to remove the clefs from a score.

Deprecated version: `\greremoveclef`

`\normalclef`

Macro to restore clefs to a score (undoes the effects of `\removeclef`).

Deprecated version: `\grenormalclef`

`\removecusto`

Macro to empty the box containing the custos.

\GreHidePCLines

Macro to tell gregoriotex to hide the lines through the middle of a punctum cavum. Default.

\GreDontHidePCLines

Macro to tell gregoriotex not to hide the lines through the middle of a punctum cavum.

\GreHideAltLines

Macro to tell gregoriotex to hide the lines behind alterations.

\GreDontHideAltLines

Macro to tell gregoriotex not to hide the lines behind alterations. Default.

\UseAlternatePunctumCavum

Changes settings to use the alternative punctum cavum.

\UseNormalPunctumCavum

Changes settings to use the normal punctum cavum. Default.