# **Gentium Plus - Font Features**

Gentium Plus is an OpenType-enabled font family that supports the Latin, Cyrillic, and Greek scripts. It includes a number of optional features that may be useful or required for particular uses or languages. This document lists all the available features.

These OpenType features are primarily specified using four-letter tags (e.g. 'cv17'), although some applications may provide a direct way to control certain common features such as small caps. For more information on how to access OpenType features in specific environments and applications, see Using Font Features.

Please note that Graphite support has been removed in the current release, but continues to be available in the version 5 fonts. See our Previous Versions archive.

This page uses web fonts (WOFF2) to demonstrate font features and should display correctly in all modern browsers. For a more concise example of how to use Gentium Plus as a web font see *GentiumPlus-webfont-example.html* in the font package *web* folder. For detailed information see Using SIL Fonts on Web Pages.

If this document is not displaying correctly a PDF version is also provided in the documentation/pdf folder of the release package.

## **Complete feature list**

## Stylistic alternates

#### Small caps from lowercase

Affects: all lowercase letters with capital equivalents

Feature	Sample	Feature setting
Standard	a Z (all letters with capital equivalents)	smcp=0
Small caps	A Z (all letters with capital equivalents)	smcp=1

#### Small caps from capitals

This feature is not supported in TypeTuner Web.

Affects: all capitals

Feature	Sample	Feature setting
Standard	A Z (all capitals)	c2sc=0
Small caps	A Z (all capitals)	c2sc=1

## Single-story a and g

This feature was formerly called 'Literacy alternates'.

Affects: U+0061 U+00AA U+00E0 U+00E1 U+00E2 U+00E3 U+00E4 U+00E5 U+0101 U+0103 U+0105 U+010E U+01DF U+01E1 U+01FB U+0201 U+0203 U+0227 U+1E01 U+1E9A U+1EA1 U+1EA3 U+1EA5 U+1EA5 U+1EA9 U+1EAB U+1EAD U+1EAF U+1EB1 U+1EB3 U+1EB5 U+1EB7 U+2C65 U+2090 U+1D43 U+0363 U+0067 U+011D U+011F U+0121 U+0123 U+01E7 U+01F5 U+01E5 U+1E21 U+A7A1 U+1D4D

Feature	Sample	Feature setting
Standard	aªàáâãäåāāąǎāāååâââââââââãåãåãåãåãåãããããããããããããããã	ss01=0
Single-story	a ª à á â ã ä å ā ă ą ǎ ā̄ ā̄ ǻ à â à a d ạ ả ấ ấ̀ ầ â̄ ậ̂ ắ ằ ẳ ẵ ặ ø a ª ື g ĝ ğ ġ ģ ǧ g g g g g	ss01=1

## Single-story a (only)

Affects: U+0061 U+00AA U+00E0 U+00E1 U+00E2 U+00E3 U+00E4 U+00E5 U+0101 U+0103 U+0105 U+01CE U+01DF U+01E1 U+01FB U+0201 U+0203 U+0227 U+1E01 U+1E9A U+1EA1 U+1EA3 U+1EA5 U+1EA7 U+1EA9 U+1EAB U+1EAD U+1EAF U+1EB1 U+1EB3 U+1EB5 U+1EB7 U+2C65 U+2090 U+1D43 U+0363

Feature	Sample	Feature setting
Standard	a ª à á â ã ä å ā ă ą ǎ ā ā á à â à a a a a á â â â â â â á ă à ă ă ă ă ă ă ă ă ă ă ă ă ă ă ă ă ă	ss11=0
Single-story	α ª ὰ ά ᾶ ᾶ ἄ ἄ ἄ ἄ ᾳ ἄ ᾱ ᾱ α΄ α΄ αὰ αὰ αὰ αὰ α΄	ss11=1

## Single-story g (only)

Affects: U+0067 U+011D U+011F U+0121 U+0123 U+01E7 U+01F5 U+01E5 U+1E21 U+A7A1 U+1D4D

Feature	Sample	Feature setting
Standard	gĝǧġģģģgēg <sup>g</sup>	ss12=0
Single-story	gĝǧġģǧġgḡ�ª	ss12=1

#### **Barred-bowl forms**

Affects: U+0111 U+0180 U+01E5

Feature	Sample	Feature setting
Standard	đbg	ss04=0
Barred-bowl	d b g	ss04=1

## Slant italic specials

Affects: U+0061 U+00E3 U+00E0 U+00E1 U+00E2 U+00E4 U+00E5 U+0101 U+0103 U+01CE U+01DF U+01E1 U+01FB U+0201 U+0203 U+0227 U+1E01 U+1E9A U+1EA3 U+1EA5 U+1EA7 U+1EA9 U+1EAB U+1EAD U+1EAF U+1EB1 U+1EB3 U+1EB5 U+1EA1 U+1EB7 U+2C65 U+0250 U+00E6 U+00E6 U+1E1F U+0069 U+00EC U+00ED U+00EE U+00EF U+0129 U+012B U+012D U+012F U+01D0 U+0209

U+020B U+1E2D U+1E2F U+1EC9 U+1ECB U+0131 U+006C U+013A U+1E37 U+1E39 U+1E3B U+1E3D U+0076 U+1E7D U+1E7F U+007A U+017A U+017C U+017E U+1E91 U+1E93 U+1E95 U+0493 U+04FB U+F327 U+A749 U+A75F U+2097

Feature	Sample	Feature setting
Standard	aãàáâäåāăăāāååâàaaååâàåããåáåååää øɐæffiìíîïĩīĭįĭïîįïíiilĺḷḷḷtıvῦyਝzźżžĉ ẓzɐęṣṣfiffi	ss05=0
Slanted	aãàáâäåāăăāāáåâàaaååââââáăååååãaặa ɐæffiìíîïīīĭįĭïîįïiiilĺḷḷḷllıvvvyzźżžżzz ғӻӺfiffi	ss05=1

## **Character alternates**

## **B** hook

Affects: U+0181

Feature	Sample	Feature setting
Standard	В	cv13=0
Lowercase-style	Б	cv13=1

## D hook

Affects: U+018A

Feature	Sample	Feature setting
Standard	D	cv17=0
Lowercase-style	ď	cv17=1

## H stroke

Affects: U+0126

Feature	Sample	Feature setting
Standard	Ħ	cv28=0
Vertical stroke	Н	cv28=1

## J stroke hook

Affects: U+0284

Feature	Sample	Feature setting
Standard	f	cv37=0
Top serif	J	cv37=1

## Eng

Affects: U+014A

Feature	Sample	Feature setting
Standard	ŋ	cv43=0
Lowercase style on baseline	n	cv43=1
Uppercase style with descender	Ŋ	cv43=2
Alt. lowercase style on baseline	ŋ	cv43=3

## N left hook

Affects: U+019D

Feature	Sample	Feature setting
Standard	N	cv44=0
Lowercase-style	n	cv44=1

## Open-O

Affects: U+0186 U+0254 U+1D10 U+1D53 U+1D97

Feature	Sample	Feature setting
Standard	J o o o o	cv46=0
Top serif	J ɔ ɔ ɔ ɔ ɔ	cv46=1

## ΟU

Affects: U+0222 U+0223 U+1D3D U+1D15

Feature	Sample	Feature setting
Standard	888 <sup>8</sup>	cv47=0
Open	8888	cv47=1

# p hook

Affects: U+01A5

Feature	Sample	Feature setting
Standard	β	cv49=0
Right hook	þ	cv49=1

## R tail

Affects: U+2C64

Feature	Sample	Feature setting
Standard	B	cv55=0
Lowercase-style	r	cv55=1

## T hook

Affects: U+01AC

Feature	Sample	Feature setting
Standard	Т	cv57=0
Right hook	T	cv57=1

## V hook

Affects: U+01B2 U+028B U+1DB9

Feature	Sample	Feature setting
Standard	<b>υ</b> υ <sup>υ</sup>	cv62=0
Straight with low hook	V v <sup>v</sup>	cv62=1
Straight with high hook	Vν <sup>ν</sup>	cv62=2

## Y hook

Affects: U+01B3

Feature	Sample	Feature setting
Standard	Υ	cv68=0
Left hook	Υ	cv68=1

## Ezh

Affects: U+01B7 U+04E0

Feature	Sample	Feature setting
Standard	3 3	cv20=0
Reversed sigma	ΣΣ	cv20=1

### ezh curl

Affects: U+0293

Feature	Sample	Feature setting
Standard	3	cv19=0
Large bowl	3	cv19=1

#### rams horn

Affects: U+0264

Feature	Sample	Feature setting
Standard	8	cv25=0
Large bowl	ð	cv25=1
Small gamma	γ	cv25=2

#### **Clicks**

Affects: U+01C0 U+01C1 U+01C2 U+2980

Feature	Sample	Feature setting
Standard (descending)	‡	cv69=0
Baseline	‡	cv69=1

# Diacritic and symbol alternates

## Low-profile diacritics

Affects: U+0300 U+0301 U+0302 U+0303 U+0304 U+0307 U+0308 U+030C

Feature	Sample	Feature setting
Standard	anything with ဴဲဝၳႆŌÕÖÖ (áàâǎāãää)	ss07=0
Low-profile	anything with ဴ္ဲိ္ັ္ (áàâǎāãää)	ss07=1

## Vietnamese-style diacritics

Affects: U+1EA4 U+1EA5 U+1EA6 U+1EA7 U+1EA8 U+1EA9 U+1EA4 U+1EAB U+1EAE U+1EAF U+1EB0 U+1EB1 U+1EB2 U+1EB3 U+1EB4 U+1EB5 U+1EBE U+1EBF U+1EC0 U+1EC1 U+1EC2 U+1EC3 U+1EC4 U+1EC5 U+1ED0 U+1ED1 U+1ED2 U+1ED3 U+1ED4 U+1ED5 U+1ED6 U+1ED7

Feature	Sample	Feature setting
Standard	ấấ Àà Ẩẩ Ấã Ấá Àà Åà Åå Ěế Èè Éẻ Ēể ốố Òồ Öổ Õỗ	cv75=0
Vietnamese- style	ấấ Àà Ẩẩ Ấẫ ắắ ằằ ẳắ ẵã ếế Èề ểể ễể ốố ồò ổổ ỗỗ	cv75=1

## **Kayan diacritics**

Affects: U+0300 U+0301

Feature	Sample	Feature setting
Standard	č	cv79=0
Side by side	ř	cv79=1

## Ogonek

Affects: U+0328 U+0104 U+0105 U+0118 U+0119 U+012E U+012F U+0172 U+0173 U+01EA U+01EB U+01EC U+01ED

Feature	Sample	Feature setting
Standard	anything with ৃ (Ąą Ęę Įį Ųų Qọ Ōৃō)	cv76=0
Straight	anything with ${\it \circ}$ (Ąą Ęę Įį Ųų Q ${\it \circ}$ Q̄ ${\it \circ}$ )	cv76=1

#### Caron

Affects: U+010F U+013D U+013E U+0165

Feature	Sample	Feature setting
Standard	^ť	cv77=0
Global-style	^ť	cv77=1

## Modifier apostrophe

Affects: U+02BC U+A78B U+A78C

Feature	Sample	Feature setting
Standard	111	cv70=0
Large	111	cv70=1

## **Modifier colon**

Affects: U+A789

Feature	Sample	Feature setting
Standard	:	cv71=0
Expanded	:	cv71=1

## **Empty set**

Affects: U+2205

Feature	Sample	Feature setting
Standard	Ø	cv98=0
Zero-style	Ø	cv98=1

# **Cyrillic alternates**

There are also Cyrillic characters affected by the "Ezh" and "Small capitals" features. Some languages may also use the "Modifier apostrophe".

## Cyrillic E

Affects: U+042D U+044D

Feature	Sample	Feature setting
Standard		cv80=0

Feature	Sample	Feature setting
	Ээ	
Mongolian-style	Ээ	cv80=1

### Cyrillic shha

Affects: U+04BB

Feature	Sample	Feature setting
Standard	h	cv81=0
Uppercase-style	h	cv81=1

## **Cyrillic breve**

Affects: U+0306

Feature	Sample	Feature setting
Standard	anything with ŏ (ðð)	cv82=0
Cyrillic-style	anything with ് (ðð)	cv82=1

## **Serbian Cyrillic alternates**

These alternate forms mainly affect italic styles. Unlike other features this is activated by tagging the span of text as being in the Serbian language, not by turning on an OpenType feature. It is also not available through TypeTuner Web although a similar feature is supported (cv84).

Affects: U+0431 U+0433 U+0434 U+043F U+0442 U+0453

Feature	Sample	Feature setting
Standard	бгдптѓ	
Serbian	δīgūūί	lang='sr'

#### **Macedonian Cyrillic alternates**

These alternate forms mainly affect italic styles. Unlike other features this is activated by tagging the span of text as being in the Macedonian language, not by turning on an OpenType feature. It is also not available through TypeTuner Web although a similar feature is supported (cv84).

Affects: U+0431 U+0433 U+0434 U+043F U+0442 U+0453

Feature	Sample	Feature setting
Standard	бгдптѓ	
Macedonian	δīgūūί	lang='mk'

## **Serbian and Macedonian Cyrillic alternates**

This feature provides an alternate way to activate the Serbian and Macedonian forms in applications that do not support language-specific features.

Affects: U+0431 U+0433 U+0434 U+043F U+0442 U+0453

Feature	Sample	Feature setting
Standard	бгдптѓ	cv84=0
Serbian Macedonian forms	δīgūūί	cv84=1

## **Greek alternates**

#### **Porsonic circumflex**

Affects: U+0342 U+1F06 U+1F07 U+1F0E U+1F0F U+1F26 U+1F27 U+1F2E U+1F2F U+1F36 U+1F37 U+1F3E U+1F3F U+1F36 U+1F57 U+1F5F U+1F66 U+1F67 U+1F6E U+1F6F U+1F86 U+1F87 U+1F8E U+1F8F U+1F96 U+1F97 U+1F9E U+1F9F U+1FA6 U+1FA7 U+1FAE U+1FAF U+1FB6 U+1FB7 U+1FC0 U+1FC1 U+1FC6 U+1FC7 U+1FCF U+1FD6 U+1FD7 U+1FDF U+1FE6 U+1FE7 U+1FF6 U+1FF7

Feature	Sample	Feature setting
Standard	ĩ ῗ ῗ ἷ ἇ ἇ ϟ ໕ ᾶ ᾶ ἦ ἦ ἦ ἦ ῆ ῆ ἶ ἶ ῖ ῗ ὖ ὖ ῦ ῦ ὧ ὧ ῷ ὧ ῶ ῷ Ἅ Ἅ Ἅ Ἅ Ἅ Ἡ Ἡ Ἡ Ἡ Ἡ Ὠ Ὠ Ὠ Ὠ Ὠ Ὠ Ω ι Ώι	cv78=0
Porsonic- style	ີ ິ ິ ໌ ໌ ໕ ໕ ໕ ໕ ໕ ᾶ ᾶ ἦ ἡ ἡ ἡ ἡ ຖ ໂ ໂ ໂ ໂ ປິ ປິ ປິ ປິ ຟິ ພິ ຝຸ ຟຸ ພິ ພິ ໓ ື A ື A ໂ ື A ໂ ື A ໂ ື H ື H ື H ໂ ື H ໂ ື I ື I ື Y ື Ω ື Ω ື Ω ໂ ື Ω ι	cv78=1

## Capital adscript iota (prosgegrammeni)

Affects: U+1F88 U+1F89 U+1F8A U+1F8B U+1F8C U+1F8D U+1F8E U+1F8F U+1F98 U+1F99 U+1F9A U+1F9B U+1F9C U+1F9D U+1F9E U+1F9F U+1FAB U+1FAB U+1FAB U+1FAB U+1FAC U+1FAD U+1FAE U+1FAF U+1FBC U+1FCC U+1FFC

Feature	Sample	Feature setting
Standard	Αι 'Αι 'Αι ''Αι ''Αι ''Αι '΄Αι ἶΑι Ηι 'Ηι 'Ηι ''Ηι '΄Ηι ''Ηι '΄Ηι ἶΉι Ωι 'Ωι 'Ωι ''Ωι '΄Ωι ''Ωι ''Ωι '΄Ωι ἶΩι	cv83=0
Subscript (ypogegrammeni)	Α ʹΑ ʹΆ ʹʹΑ ʹʹΑ ʹʹΑ ʹΑ Α΄ Α Α΄ Α Α΄ Α΄ Α΄ Α Α Α ΄ Α ΄	cv83=1

### beta

Affects: U+03B2 U+1D66 U+1D5D

Feature	Sample	Feature setting
Standard	$\beta$ $\beta$ $\beta$	cv14=0
With serifs	$\beta$ $\beta$ $\beta$	cv14=1

#### **Tone alternates**

## **Chinantec tones**

Affects: U+02CB U+02C8 U+02C9 U+02CA

Feature	Sample	Feature setting
Standard	<b>\1-</b> /	cv90=0
Chinantec-style	\   - /	cv90=1

## **Tone numbers**

This feature is not supported in TypeTuner Web.

Affects: U+02E5 U+02E6 U+02E7 U+02E8 U+02E9 U+A712 U+A713 U+A714 U+A715 U+A716

Feature	Sample	Feature setting
Standard	11417[[+][	cv91=0
Numbers	5 4 3 2 1 5 4 3 2 1	cv91=1

#### **Hide tone contour staves**

This feature is not supported in TypeTuner Web.

Affects: U+02E5 U+02E6 U+02E7 U+02E8 U+02E9 U+A712 U+A713 U+A714 U+A715 U+A716

Feature	Sample	Feature setting
Standard	1141][t+t[(\/\/)	cv92=0
Hide staves	<sub>-</sub> <sub>-</sub> (/\ /\)	cv92=1

## **Numeral alternates**

## **Subscript numerals**

Affects: U+0030 U+0031 U+0032 U+0033 U+0034 U+0035 U+0036 U+0037 U+0038 U+0039

Feature	Sample	Feature setting
Standard	0123456789	subs=0
Subscript	0123456789	subs=1

## **Superscript numerals**

Affects: U+0030 U+0031 U+0032 U+0033 U+0034 U+0035 U+0036 U+0037 U+0038 U+0039

Feature	Sample	Feature setting
Standard	0123456789	sups=0
Superscript	0123456789	sups=1

#### **Automatic fractions**

When activated this feature will automatically create fractions when numerals are separated by either the fraction slash (U+2044) or the solidus (U+002F). This feature is not supported in TypeTuner Web.

Affects: U+0030 U+0031 U+0032 U+0033 U+0034 U+0035 U+0036 U+0037 U+0038 U+0039 U+002F U+2044

Feature	Sample	Feature setting
Standard (none)	1/2 456/789	frac=0
Automatic	1/2 <sup>456</sup> / <sub>789</sub> 1/2 <sup>456</sup> / <sub>789</sub>	frac=1

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