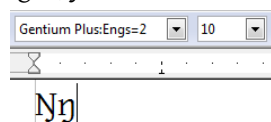
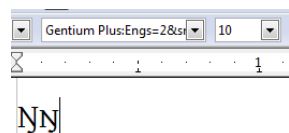


# Font Features for Gentium Plus

When Gentium Plus is used in applications that support Graphite, and that provide an appropriate user interface, various user-controllable font features are available that allow access to alternatively-designed glyphs that might be preferable for use in some contexts. In LibreOffice 3.4.2+ (<http://www.libreoffice.org/download/>) or OpenOffice 3.2+ (<http://www.openoffice.org/download/>) the font features can be turned on by choosing the font (ie Gentium Plus), followed by a colon, followed by the feature ID, and then followed by the feature setting. So, for example, if the Uppercase eng alternate “Capital N with tail” is desired, the font selection would be “Gentium Plus:Eng=2”. (The Feature IDs have changed. If you already have documents which specify the Feature IDs as digits, you will need to change from digits to text. Both are documented in the table below. We are very sorry for the inconvenience.)



If you wish to apply two (or more) features, you can separate them with an “&”. Thus, “Gentium Plus:Eng=2&smcp=1” would apply “Capital N with tail” plus the “Small capitals” feature.



These same features are also available in OpenType. The OpenType feature IDs (“cvxx” for “Character Variant” and “ssxx” for “Stylistic Set”) are listed in the OpenType feature ID column. However, they are only available in a few applications. Mozilla Firefox (<https://www.mozilla.org/firefox>) is the only application that currently supports Character Variants. Adobe InDesign, Microsoft Word, Microsoft Publisher and Mozilla Firefox support Stylistic Sets.

A glyph palette is available for accessing the alternate glyphs in some applications such as Adobe InDesign.

Ideally the selection of these font features is done in application programs, but many applications do not yet support this functionality. In response to this lack of support for features, a program called TypeTuner (command line version: <http://scripts.sil.org/TypeTuner> and web-based version: <http://scripts.sil.org/ttw>) allows users to create derivative fonts with their own feature settings based on the needs of a local project or region.

In the table below, upper and lower case pairs are shown (if they exist), even if the feature only affects one or the other. This is in order to see how the whole pair looks when a feature is applied. The following font features are available in Gentium Plus:

Feature Name	OpenType feature ID	Graphite feature ID	Feature Setting	Example	Example with Small Capitals	TypeTuner Notes <sup>1</sup>
<b>Language specific</b>						
<b>Vietnamese-style diacritics</b> (U+1EA4 U+1EA5 U+1EA6 U+1EA7 U+1EA8 U+1EA9 U+1EAA 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)	cv75	viet (old: 1029)	0=False  1=Vietnamese-style	<p>Áá Àà Ăă Ãã Ää Åå Ææ Éé Êê Ëë Ìì Íí Îî Ïï Òò Óó Ôô Õõ</p> <p>Áá Àà Ăă Ãã Ää Åå Ææ Éé Êê Ëë Ìì Íí Îî Ïï Òò Óó Ôô Õõ</p>	<p>ÁÁ ÀÀ ĂĂ ÃÃ ÄÄ ÅÅ ÆÆ ÉÉ ÊÊ ËË ÌÌ ÍÍ ÎÎ ÏÏ ÒÒ ÓÓ ÔÔ ÕÕ</p> <p>ÁÁ ÀÀ ĂĂ ÃÃ ÄÄ ÅÅ ÆÆ ÉÉ ÊÊ ËË ÌÌ ÍÍ ÎÎ ÏÏ ÒÒ ÓÓ ÔÔ ÕÕ</p>	R, O
<b>Serbian-style alternates</b> (U+0431 U+0433 U+0434 U+043F U+0442)	locl (accessed through Serbian language)	serb (old: 1078)	0=False  1=True	<p>Бб Гг Дд Пп Тт</p> <p>Бѣ Гѣ Дѣ Пѣ Тѣ</p>	<p>ББ ГГ ДД ПП ТТ</p> <p>ББ ГГ ДД ПП ТТ</p>	R
<b>Chinantec tones</b> (U+02CB U+02C8 U+02C9 U+02CA)	cv90	chtn (old: 1057)	0=False  1=Chinantec-style	<p>Ṽ ṽ Ṽ ṽ</p> <p>Ṽ ṽ Ṽ ṽ</p>	Small capitals are not available as there is no uppercase equivalent	R
<b>Bridging diacritics</b> (U+0308 – used with “L” and “l”; U+0311, U+0361 and U+035F – used with “O”, “o”, “U” and “u”.)	-	brig (old: 1052)	0=False  1=True	<p>Naso: ȚȚ ȚȚ ȚȚ Konai: ŐŰ Őu őu ŐŰ Őu őu ŐŰ Őu őu ŐŰ Őu őu</p> <p>Naso: ȚȚ ȚȚ ȚȚ Konai: ŐŰ Őu őu ŐŰ Őu őu ŐŰ Őu őu ŐŰ Őu őu</p>	Small capitals do not work properly	G
<b>Cyrillic<sup>2</sup></b>						
<b>Mongolian-style Cyrillic E</b> (U+042D U+044D)	cv80	mone (old: 1027)	0=False  1=Mongolian-style	<p>Ээ</p> <p>Ээ</p>	<p>ЭЭ</p> <p>ЭЭ</p>	R
<b>Combining breve Cyrillic form</b> (U+0306)	cv82	sbrv (old: 1028)	0=False  1=Cyrillic-style	<p>anything with ͂ (ӇӇ)</p> <p>anything with ͂ (ӇӇ)</p>	<p>anything with ͂ (ӇӇ)</p> <p>anything with ͂ (ӇӇ)</p>	R (no effect if data is NFC)

<sup>1</sup>**TypeTuner legend:** **R**=glyphs are Reencoded (will work with dumb rendering); **O**=OpenType rules are activated; **G**=Graphite-only feature (All features are available for Graphite applications.); **T**=Only available through TypeTuner (<http://scripts.sil.org/TypeTuner>) or TypeTuner Web (<http://scripts.sil.org/ttw>).

<sup>2</sup>There are also Cyrillic characters affected by the “Capital Ezh alternates”, “Small capitals” and “Show deprecated PUA” features. Some languages may also use the “Modifier apostrophe alternates.”

Feature Name	OpenType feature ID	Graphite feature ID	Feature Setting	Example	Example with Small Capitals	TypeTuner Notes
Cyrillic shha alternate (U+04BB)	cv81	shha (old:1056)	0=False	hh	hh	R
			1=Uppercase style	hh	hh	
Tone-related						
Tone numbers (U+02E5 U+02E6 U+02E7 U+02E8 U+02E9 U+A712 U+A713 U+A714 U+A715 U+A716)	cv91	tone (old:1026)	0=Bars	ᳵ ᳶ ᳷ ᳸ ᳹ ᳺ ᳻ ᳼ ᳽ ᳾ ᳿	Small capitals are not available as there is no uppcase equivalent	G
			1=Numbers	5 4 3 2 1 5 4 3 2 1		
Hide tone contour staves (U+02E5 U+02E6 U+02E7 U+02E8 U+02E9 U+A712 U+A713 U+A714 U+A715 U+A716)	cv92	tstv (old:1050)	0=False	ᳵ ᳶ ᳷ ᳸ ᳹ ᳺ ᳻ ᳼ ᳽ ᳾ ᳿ (ΛΛ)	Small capitals are not available as there is no uppcase equivalent	G
			1=True	ᳵ ᳶ ᳷ ᳸ ᳹ ᳺ ᳻ ᳼ ᳽ ᳾ ᳿ (Λ Λ)		
9-level pitches (U+F1F1 U+F1F2 U+F1F3 U+F1F4 U+F1F5 U+F1F6 U+F1F7 U+F1F8 U+F1F9)	-	pit9 (old:1062)	0=No tramlines	ᳵ ᳶ ᳷ ᳸ ᳹ ᳺ ᳻ ᳼ ᳽ ᳾ ᳿ (ΛΛ)	Small capitals are not available as there is no uppcase equivalent	G
			1=Tramlines	ᳵ ᳶ ᳷ ᳸ ᳹ ᳺ ᳻ ᳼ ᳽ ᳾ ᳿ (ΛΛ)		
			2=Non-ligated with no tramlines	ᳵ ᳶ ᳷ ᳸ ᳹ ᳺ ᳻ ᳼ ᳽ ᳾ ᳿ (ΛΛ)		
			3=Non-ligated with tramlines	ᳵ ᳶ ᳷ ᳸ ᳹ ᳺ ᳻ ᳼ ᳽ ᳾ ᳿ (ΛΛ)		
Miscellaneous						
Literacy alternates (U+0061 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 U+0067 U+011D U+011F U+0121 U+0123 U+01E7 U+01F5 U+01E5 U+1E21 U+A7A1 U+1D4D)	ss01	litr (old:1032)	0=False	Aa Àà Áá Ââ Ãã Ää Åå Āā Ăă ȦȦ Ǻǻ ǻǻ ǻǻ ǻǻ Ăă Àà Ââ Áá ȦȦ ȦȦ ȦȦ ȦȦ ȦȦ ȦȦ ȦȦ Ăă ȦȦ	AA ÀÀ ÁÁ ÂÂ ÃÃ ÄÄ ÅÅ ĀĀ Ăă ȦȦ ȦȦ ȦȦ Ăă Àà Ââ Áá ȦȦ ȦȦ ȦȦ ȦȦ ȦȦ ȦȦ ȦȦ Ăă ȦȦ ȦȦ ȦȦ ȦȦ ȦȦ ȦȦ ȦȦ ȦȦ ȦȦ ȦȦ ȦȦ ȦȦ ȦȦ ȦȦ ȦȦ ȦȦ ȦȦ ȦȦ ȦȦ	R
			1=True	Aa Àà Áá Ââ Ãã Ää Åå Āā Ăă ȦȦ		
Barred-bowl forms (U+0111 U+0180 U+01E5)	ss04	bowl (old:1031)	0=False	Đđ B̂b Ĝg	ĐĐ B̂B ĜG	R
			1=Barred-bowl	Đđ B̂b Ĝg	ĐĐ B̂B ĜG	



Feature Name	OpenType feature ID	Graphite feature ID	Feature Setting	Example	Example with Small Capitals	TypeTuner Notes
<b>Rams horn alternates</b> (U+0264)	cv25	ramh (old: 1025)	0=Small bowl	ʀ	Small capitals are not available as there is no uppercase equivalent	R
			1=Large bowl	ø		
			2=Small gamma	ʁ		
<b>Capital H-stroke alternate</b> (U+0126)	cv28	Hslk (old: 1038)	0=False	Ĥĥ	ĤĤ	R
			1=Vertical-stroke	Ħħ	ĦĦ	
<b>J-stroke hook alternate</b> (U+0284)	cv37	Jstk (old: 1049)	0=No serif	ƒ	Small capitals are not available as there is no uppercase equivalent	R
			1=Top serif	ƒ		
<b>Uppercase Eng alternates</b> (U+014A)	cv43	Engs (old: 1024)	0=Large eng with descender	ŋ	ŋ	R
			1=Large eng on baseline	ŋ	ŋ	
			2=Capital N with tail	Ŋ	Ŋ	
			3=Large eng with short stem	ɳ	ɳ	
<b>Capital N-left-hook alternate</b> (U+019D)	cv44	N_hk (old: 1035)	0=Uppercase style	Ŋ	Ŋ	R
			1=Lowercase style	ɳ	ɳ	
<b>Open-O alternate</b> (U+0186 U+0254 U+1D10 U+1D53 U+1D97)	cv46	opnO (old: 1059)	0=Bottom serif	Ɔ ɔ ʼ ɔ	Ɔ ɔ ʼ ɔ	R
			1=Top serif	Ɔ ɔ ʼ ɔ	Ɔ ɔ ʼ ɔ	
<b>Small p-hook alternate</b> (U+01A5)	cv49	p_hk (old: 1040)	0=Left hook	Ɔ	Ɔ	R
			1=Right hook	Ɔ	Ɔ	
<b>Capital R-tail alternate</b> (U+2C64)	cv55	R_tl (old: 1039)	0=Uppercase style	Ŕ	Ŕ	R
			1=Lowercase style	ŕ	ŕ	
<b>Capital T-hook alternate</b> (U+01AC)	cv57	t_hk (old: 1037)	0=Left hook	Ƨ	Ƨ	R
			1=Right hook	Ƨ	Ƨ	

[illegible]

[illegible]

Feature Name	OpenType feature ID	Graphite feature ID	Feature Setting	Example	Example with Small Capitals	TypeTuner Notes
Other Features						
Line spacing			Normal Tight Loose	Allows for adjustment of the default line spacing in the font.		T