

# 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 the Graphite version of OpenOffice 3.2<sup>1</sup> 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:1024=2”. If you wish to apply two (or more) features, you can separate them with an “&”. Thus, “Gentium Plus:1024=2&1058=2” would apply “Capital N with tail” plus the “Small capitals” feature.

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<sup>2</sup> 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 lowercase 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	Feature ID	Feature Setting	Example	Example with Small Capitals	TypeTuner Notes <sup>3</sup>
<b>Language specific</b>					
Vietnamese-style diacritics (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 1ED7)	1029	0=False	Áá Àà Ăă Ãã Ää Åå Ææ Éé Èè Êê Ëë Óó Òò Ôô Õõ	ÁÁ ÀÀ ĂĂ ÃÃ ÄÄ ÅÅ ÆÆ ÉÉ ÈÈ ÊÊ ËË ÓÓ ÒÒ ÔÔ ÕÕ	R, O
		1=True	Áá Àà Ăă Ãã Ää Åå Ææ Éé Èè Êê Ëë Óó Òò Ôô Õõ	ÁÁ ÀÀ ĂĂ ÃÃ ÄÄ ÅÅ ÆÆ ÉÉ ÈÈ ÊÊ ËË ÓÓ ÒÒ ÔÔ ÕÕ	
Romanian-style diacritics (U+015E U+015F U+0162 U+0163)	1041	0=False	Șș Țț	ȘȘ ȚȚ	R, O
		1=True	Șș Țț	ȘȘ ȚȚ	
Serbian-style alternates (U+0431 U+0433 U+0434 U+043F U+0442)	1078	0=False	Бб Гг Дд Пп Тт	ББ ГГ ДД ПП ТТ	R
		1=True	Б̂б̂ Г̂г̂ Д̂д̂ П̂п̂ Т̂т̂	ББ ГГ ДД ПП ТТ	

<sup>1</sup> Download here: <http://www.openoffice.org/>. Previous SIL-produced versions (2.0, 2.4, 3.0) are available here: [http://scripts.sil.org/OOo\\_20\\_graphite](http://scripts.sil.org/OOo_20_graphite)

<sup>2</sup> <http://scripts.sil.org/TypeTuner>

<sup>3</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.)

Feature Name	Feature ID	Feature Setting	Example	Example with Small Capitals	TypeTuner Notes
<b>Chinantec tones</b> (U+02CB U+02C8 U+02C9 U+02CA)	1057	0=False	˘ ˘ ˘ ˘	Small capitals are not available as there is no uppercase equivalent	R
		1=True	˘ ˘ ˘ ˘		
<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”.)	1052	0=False	Naso: ̈L̈ ̈l̈ ̈L̈ Konai: ÔU Ôu ôu Ô̇U Ô̇u ô̇u ȮU Ȯu ȯu Ȯ̇U Ȯ̇u ȯ̇u	Small capitals do not work properly	G
		1=True	Naso: ̈L̈ ̈l̈ ̈L̈ Konai: Ô̇U Ô̇u ô̇u Ô̇̇U Ô̇̇u ô̇̇u Ȯ̇U Ȯ̇u ȯ̇u Ȯ̇̇U Ȯ̇̇u ȯ̇̇u		
<b>Cyrillic<sup>4</sup></b>					
<b>Mongolian-style Cyrillic E</b> (U+042D U+044D)	1027	0=False	Ээ	Ээ	R
		1=True	Ээ	Ээ	
<b>Combining breve Cyrillic form</b> (U+0306)	1028	0=False	anything with ь (ӷӷ)	anything with ь (ӷӷ)	R (no effect if data is NFC)
		1=True	anything with ь (ӷӷ)	anything with ь (ӷӷ)	
<b>Cyrillic shha alternate</b> (U+04BB)	1056	0=False	ҺҺ	ҺҺ	R
		1=True	ҺҺ	ҺҺ	
<b>Tone-related</b>					
<b>Tone numbers</b> (U+02E5 U+02E6 U+02E7 U+02E8 U+02E9 U+A712 U+A713 U+A714 U+A715 U+A716)	1026	0=False	ᵿ ᵿ ᵿ ᵿ ᵿ ᵿ ᵿ ᵿ	Small capitals are not available as there is no uppercase equivalent	G
		1=True	5 4 3 2 1 5 4 3 2 1		

<sup>4</sup> There are also Cyrillic characters affected by the “Slant italic specials”, “Capital Ezh alternates”, “Small capitals” and “Show deprecated PUA” features. Some languages may also use the “Modifier apostrophe alternates.”

Feature Name	Feature ID	Feature Setting	Example	Example with Small Capitals	TypeTuner Notes <sup>5</sup>
<b>Hide tone contour staves</b> (U+02E5 U+02E6 U+02E7 U+02E8 U+02E9 U+A712 U+A713 U+A714 U+A715 U+A716)	1050	0=False	ГГГГГГГГГГГГГГГГ (N N)	Small capitals are not available as there is no uppercase equivalent	G
		1=True	ГГГГГГГГГГГГГГГГ (Λ Λ)		
<b>9-level pitches</b> (U+F1F1 U+F1F2 U+F1F3 U+F1F4 U+F1F5 U+F1F6 U+F1F7 U+F1F8 U+F1F9)	1062	0=Ligated	_____ (M)	Small capitals are not available as there is no uppercase equivalent	G
		1=Show tramlines	_____ (M)		
		2=Non-ligated	_____ ( _ _ )		
		3=Show tramlines, non-ligated	_____ ( _ _ )		
<b>Miscellaneous</b>					
<b>Literacy alternates</b> (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+0067 U+011D U+011F U+0121 U+0123 U+01E7 U+01F5 U+01E5 U+1E21)	1032	0=False	Aa Àà Áá Ââ Ãã Ää Åå Āā Ăă Ȧȧ Ǻǻ Ǽǽ Ăă Áá Àà Ââ Áá Ȧȧ Ȧȧ Ǻǻ Ǻǻ Ǻǻ Ǻǻ Ââ Ǻǻ Ǻǻ Ǻǻ Ǻǻ	Aa Àà Áá Ââ Ãã Ää Åå Āā Ăă Ȧȧ Ǻǻ Ǻǻ Ăă Áá Àà Ââ Áá Ȧȧ Ȧȧ Ǻǻ Ǻǻ Ǻǻ Ǻǻ Ââ Ǻǻ Ǻǻ Ǻǻ Ǻǻ	R
		1=True	Aa Àà Áá Ââ Ãã Ää Åå Āā Ăă Ȧȧ Ǻǻ Ǻǻ Ăă Áá Àà Ââ Áá Ȧȧ Ȧȧ Ǻǻ Ǻǻ Ǻǻ Ǻǻ Ââ Ǻǻ Ǻǻ Ǻǻ Ǻǻ	Aa Àà Áá Ââ Ãã Ää Åå Āā Ăă Ȧȧ Ǻǻ Ǻǻ Ăă Áá Àà Ââ Áá Ȧȧ Ȧȧ Ǻǻ Ǻǻ Ǻǻ Ǻǻ Ââ Ǻǻ Ǻǻ Ǻǻ Ǻǻ	
<b>Barred-bowl forms</b> (U+0111 U+0180 U+01E5)	1031	0=False	Đđ Bb Gg	ĐĐ BB GG	R
		1=True	Đđ Bb Gg	ĐĐ BB GG	
<b>Slant italic specials</b> (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)	1053	0=False	Aa Ãã Àà Áá Ââ Ăă Ǻǻ Āā Ăă Ǻǻ Ǻǻ Ǻǻ Ǻǻ Ăă Ǻǻ Ǻǻ Ǻǻ Ǻǻ	Aa Ãã Àà Áá Ââ Ăă Ǻǻ Āā Ăă Ǻǻ Ǻǻ Ǻǻ Ǻǻ Ăă Ǻǻ Ǻǻ Ǻǻ Ǻǻ	R

<sup>5</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.)



Feature Name	Feature ID	Feature Setting	Example	Example with Small Capitals	TypeTuner Notes <sup>6</sup>
Rams horn alternates (U+0264)	1025	0=Small bowl	𐌷	Small capitals are not available as there is no uppercase equivalent	R
		1=Large bowl	𐌸		
		2=Small gamma	𐌹		
Capital H-stroke alternate (U+0126)	1038	0=Horizontal stroke	𐌷𐌷	𐌷𐌷	R
		1=Vertical stroke	𐌸𐌸	𐌸𐌸	
J stroke hook alternate (U+0284)	1049	0=No serif	ƒ	Small capitals are not available as there is no uppercase equivalent	R
		1=Top serif	ƒ		
Uppercase Eng alternates (U+014A)	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	ŋ	ŋ	
Capital N-left-hook alternate (U+019D)	1035	0=Uppercase style	Ŋ	Ŋ	R
		1=Lowercase style	ŋ	ŋ	
Open o alternate (U+0186 U+0254 U+1D10 U+1D53 U+1D97)	1059	0=Bottom serif	Ɔ ɔ ɔ̣ ɔ̥	Ɔ ɔ ɔ̣ ɔ̥	R
		1=Top serif	Ɔ ɔ ɔ̣ ɔ̥	Ɔ ɔ ɔ̣ ɔ̥	
Small p-hook alternate (U+01A5)	1040	0=Left hook	Ɔ	Ɔ	R
		1=Right hook	Ɔ	Ɔ	

<sup>6</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.)

Feature Name	Feature ID	Feature Setting	Example	Example with Small Capitals	TypeTuner Notes <sup>7</sup>
Capital R-tail alternate (U+2C64)	1039	0=Uppercase style	℞	℞℞	R
		1=Lowercase style	ℓℓ	ℓℓ	
Capital T-hook alternate (U+01AC)	1037	0=Left hook	ƧƧ	ƧƧ	R
		1=Right hook	ƧƧ	ƧƧ	
V-hook alternates (U+01B2 U+028B)	1033	0=Curved	ƆƆ	ƆƆ	R
		1=Straight left	∨∨	∨∨	
		2=Straight left high hook	∨∨	∨∨	
Capital Y-hook alternate (U+01B3)	1034	1=Right hook	ƳƳ	ƳƳ	R
		0=Left hook	ƳƳ	ƳƳ	
Small ezh-curl alternate (U+0293)	1036	0=Small bowl	Ʒ	Small capitals are not available as there is no uppercase equivalent	
		1=Large bowl	Ʒ		
Capital Ezh alternates (U+01B7 U+04E0)	1042	0=Normal	Ʒ Ʒ	Ʒ Ʒ	R
		1=Reversed sigma	Ʒ Ʒ	Ʒ Ʒ	
OU alternates (U+0222 U+0223)	1045	0=Closed	88	88	R
		1=Open	88	88	
Modifier apostrophe alternates (U+02BC U+A78B U=A78C)	1044	0=Small	’ II	Small capitals are not available	R
		1=Large	’ II		

<sup>7</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.)

Feature Name	Feature ID	Feature Setting	Example	Example with Small Capitals	TypeTuner Notes <sup>8</sup>
Modifier colon alternate (U+A789)	1047	0=Tight	:	Small capitals are not available as there is no uppercase equivalent	R
		0=Wide	:		
Empty set alternates (U+2205)	1046	0=Circle	∅	Small capitals are not available as there is no uppercase equivalent	R
		1=Zero	∅		
Show invisible characters (U+00AD U+034F U+200B U+200C U+200D U+200E U+200F U+202A U+202B U+202C U+202D U+202E U+2060 U+2061 U+2062 U+2063 U+FE00 U+FE01 U+FE02 U+FE03 U+FE04 U+FE05 U+FE06 U+FE07 U+FE08 U+FE09 U+FE0A U+FE0B U+FE0C U+FE0D U+FE0E U+FE0F U+FEFF)	1030	0=False		Small capitals are not available as there is no uppercase equivalent	R
		1=True			
Diacritic selection	1051	0=False 1=True	Allows independent selection of diacritics (rather than the base plus diacritic).		G
Small Caps	1058	0=False 1=True	<p> a b c d e f g h i j k l m n o p q  r s t u v w x y z à á â ã ä å æ ç è  é ê ë ì í î ï ð ñ ò ó ô õ ö ø ù ú û  ü ý þ ÿ ā ā̇ ā̈ ā̉ ā̊ ā̋ ā̌ ā̍ ā̎ ā̏ ā̐  ā̑ ā̒ ā̓ ā̔ ā̕ ā̖ ā̗ ā̘ ā̙ ā̚ ā̛ ā̜  ā̝ ā̞ ā̟ ā̠ ā̡ ā̢ ạ̄ ā̤ ḁ̄ ā̦ ā̧  ą̄ ā̩ ā̪ ā̫ ā̬ ā̭ ā̮ ā̯ ā̰ ā̱ ā̲  ā̳ ā̴ ā̵ ā̶ ā̷ ā̸ ā̹ ā̺ ā̻ ā̼  ā̽ ā̾ ā̿ ā̿̄ ā̿̅ ā̿̆ ā̿̇ ā̿̈  ā̿̉ ā̿̊ ā̿̋ ā̿̌ ā̿̍ ā̿̎ ā̿̏ ā̿̐  ā̿̑ ā̿̒ ā̿̓ ā̿̔ ā̿̕ ā̖̿ ā̗̿ ā̘̿  ā̙̿ ā̿̚ ā̛̿ ā̜̿ ā̝̿ ā̞̿ ā̟̿ ā̠̿  ā̡̿ ā̢̿ ạ̄̿ ā̤̿ ḁ̄̿ ā̦̿ ā̧̿ ą̄̿  ā̩̿ ā̪̿ ā̫̿ ā̬̿ ā̭̿ ā̮̿ ā̯̿ ā̰̿  ā̱̿ ā̲̿ ā̳̿ ā̴̿ ā̵̿ ā̶̿ ā̷̿ ā̸̿  ā̹̿ ā̺̿ ā̻̿ ā̼̿ ā̿̽ ā̿̾ ā̿̿ </p>	<p> A B C D E F G H I J K L M N O P Q R S T U  V W X Y Z À Á Â Ã Ä Å Æ Ç È É Ê Ë Ì Í Î Ï  Ð Ñ Ò Ó Ô Õ Ö Ø Ù Ú Û Ü Ý Þ ß à á â ã  ä å æ ç è é ê ë ì í î ï ð ñ ò ó ô õ ö ø ù  ú û ü ý þ ÿ ā ā̇ ā̈ ā̉ ā̊ ā̋ ā̌ ā̍ ā̎  ā̏ ā̐ ā̑ ā̒ ā̓ ā̔ ā̕ ā̖ ā̗ ā̘ ā̙ ā̚ ā̛  ā̜ ā̝ ā̞ ā̟ ā̠ ā̡ ā̢ ạ̄ ā̤ ḁ̄ ā̦ ā̧  ą̄ ā̩ ā̪ ā̫ ā̬ ā̭ ā̮ ā̯ ā̰ ā̱ ā̲  ā̳ ā̴ ā̵ ā̶ ā̷ ā̸ ā̹ ā̺ ā̻ ā̼  ā̽ ā̾ ā̿ ā̿̄ ā̿̅ ā̿̆ ā̿̇ ā̿̈  ā̿̉ ā̿̊ ā̿̋ ā̿̌ ā̿̍ ā̿̎ ā̿̏ ā̿̐  ā̿̑ ā̿̒ ā̿̓ ā̿̔ ā̿̕ ā̖̿ ā̗̿ ā̘̿  ā̙̿ ā̿̚ ā̛̿ ā̜̿ ā̝̿ ā̞̿ ā̟̿ ā̠̿  ā̡̿ ā̢̿ ạ̄̿ ā̤̿ ḁ̄̿ ā̦̿ ā̧̿ ą̄̿  ā̩̿ ā̪̿ ā̫̿ ā̬̿ ā̭̿ ā̮̿ ā̯̿ ā̰̿  ā̱̿ ā̲̿ ā̳̿ ā̴̿ ā̵̿ ā̶̿ ā̷̿ ā̸̿  ā̹̿ ā̺̿ ā̻̿ ā̼̿ ā̿̽ ā̿̾ ā̿̿ </p>	R

<sup>8</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.)



Feature Name	Feature ID	Feature Setting	Example	Example with Small Capitals	TypeTuner Notes
			χ X x ε ε		
		2=Through Unicode 4.1	<p> </p>	<p> </p>	
		3=Through Unicode 5.0	<p> </p>	<p> </p>	
		4=Through Unicode 5.1	<p> </p>	<p> </p>	
<b>Other feature interactions</b>					
Vietnamese-style diacritics + Literacy alternates	1029 + 1032	True	<p> </p>	<p> </p>	R

