

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 3.2¹ 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 TypeTuner² 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 ³
Language specific					
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 Ỗỗ Ỗỗ Ỗỗ	ÁÁ ÀÀ ĂĂ ÃÃ ÄÄ ÅÅ ÆÆ ÉÉ ÈÈ ÊÊ ËË ÓÓ ỖỖ ỖỖ ỖỖ ỖỖ	R, O
		1=True	Áá Àà Ăă Ãã Ää Åå Ææ Éé Èè Êê Ëë Óó Ỗỗ Ỗỗ Ỗỗ Ỗỗ	ÁÁ ÀÀ ĂĂ ÃÃ ÄÄ ÅÅ ÆÆ ÉÉ ÈÈ ÊÊ ËË ÓÓ ỖỖ ỖỖ ỖỖ ỖỖ	
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	Бб Гг Дг Пū Тū	ББ ГГ ДД ПП ТТ	

¹ 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

² <http://scripts.sil.org/TypeTuner>

³ **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
Chinantec tones <small>(U+02CB U+02C8 U+02C9 U+02CA)</small>	1057	0=False	˘ ˇ ˉ ˊ	Small capitals are not available as there is no uppercase equivalent	R
		1=True	˘ ˇ ˉ ˊ		
Bridging diacritics <small>(U+0308 – used with “L” and “l”, U+0311, U+0361 and U+035F – used with “O”, “o”, “U” and “u”.)</small>	1052	0=False	Naso: ḲḲ ṀṀ ḶḶ Konai: ÔŪ Ōu ôu Ô̵ Ō̵ ō̵ Ô̷ Ō̷ ou̇ Ô̷ Ō̷ ou̇	Small capitals do not work properly	G
		1=True	Naso: ĺĻ ĩİ ĨĨ Konai: ŐŬ őu őu Ő̵ ő̵ ő̵ őŬ ő̷ őu̇ ő̷ ő̷ ő̷		
Cyrillic ⁴					
Mongolian-style Cyrillic E <small>(U+042D U+044D)</small>	1027	0=False	Ээ	Ээ	R
		1=True	ᠡᠭ	ᠡᠭ	
Combining breve Cyrillic form <small>(U+0306)</small>	1028	0=False	anything with ͂ (ǃǃ)	anything with ͂ (ǃǃ)	R (no effect if data is NFC)
		1=True	anything with ͂ (ǃǃ)	anything with ͂ (ǃǃ)	
Cyrillic shha alternate <small>(U+04BB)</small>	1056	0=False	ҺҺ	ҺҺ	R
		1=True	ҢҢ	ҢҢ	
Tone-related					
Tone numbers <small>(U+02E5 U+02E6 U+02E7 U+02E8 U+02E9 U+A712 U+A713 U+A714 U+A715 U+A716)</small>	1026	0=False	᳜᳝᳞᳟᳚᳛᳠᳡᳢᳣᳤᳥᳦᳧᳨ᳩᳪᳫᳬ᳭ᳮᳯᳰᳱᳲᳳ᳴ᳵᳶ᳷᳸᳹ᳺ᳻᳼᳽᳾᳿᳠᳡᳢᳣᳤᳥᳦᳧᳨ᳩᳪᳫᳬ᳭ᳮᳯᳰᳱᳲᳳ᳴ᳵᳶ᳷᳸᳹ᳺ᳻᳼᳽᳾᳿	Small capitals are not available as there is no uppercase equivalent	G
		1=True	᳜᳝᳞᳟᳚᳛᳠᳡᳢᳣᳤᳥᳦᳧᳨ᳩᳪᳫᳬ᳭ᳮᳯᳰᳱᳲᳳ᳴ᳵᳶ᳷᳸᳹ᳺ᳻᳼᳽᳾᳿		

⁴ 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 ⁵
Hide tone contour staves (U+02E5 U+02E6 U+02E7 U+02E8 U+02E9 U+A712 U+A713 U+A714 U+A715 U+A716)	1050	0=False	ᳵᳶ᳷᳸᳹ᳺ᳻᳼᳽᳾᳿ (ᳵᳶ᳷)	Small capitals are not available as there is no uppercase equivalent	G
		1=True	ᳵᳶ᳷᳸᳹ᳺ᳻᳼᳽᳾᳿ (ᳵ ᳶ ᳷)		
9-level pitches (U+F1F1 U+F1F2 U+F1F3 U+F1F4 U+F1F5 U+F1F6 U+F1F7 U+F1F8 U+F1F9)	1062	0=Ligated	ᳵᳶ᳷᳸᳹ᳺ᳻᳼᳽᳾᳿ (ᳵᳶ᳷)	Small capitals are not available as there is no uppercase equivalent	G
		1=Show tramlines	ᳵᳶ᳷᳸᳹ᳺ᳻᳼᳽᳾᳿ (ᳵᳶ᳷)		
		2=Non-ligated	ᳵᳶ᳷᳸᳹ᳺ᳻᳼᳽᳾᳿ (ᳵᳶ᳷)		
		3=Show tramlines, non-ligated	ᳵᳶ᳷᳸᳹ᳺ᳻᳼᳽᳾᳿ (ᳵᳶ᳷)		
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+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 Āā Āā Āā Āā Āā Āā Ȧȧ Ȧȧ Ȧȧ Āā Āā Āā Ȧȧ Āā Āā Āā Āā Āā Ȧȧ Ȧȧ Gg Gg Gg Gg Gg Gg Gg Gg Gg	Aa Àà Áá Ââ Ãã Ää Åå Āā Ăă Ȧȧ Ǻǻ Ǽǽ Āā Āā Āā Āā Āā Āā Ȧȧ Ȧȧ Ȧȧ Āā Āā Āā Ȧȧ Āā Āā Āā Āā Āā Ȧȧ Ȧȧ Ȧȧ Ȧȧ Ȧȧ Gg Gg Gg Gg Gg Gg	R
		1=True	Aa Àà Áá Ââ Ãã Ää Åå Āā Ăă Ȧȧ Ǻǻ Ǽǽ Āā Āā Āā Āā Āā Āā Ȧȧ Ȧȧ Ȧȧ Āā Āā Āā Ȧȧ Āā Āā Āā Āā Āā Ȧȧ Ȧȧ Gg Gg Gg Gg Gg Gg Gg Gg Gg	Aa Àà Áá Ââ Ãã Ää Åå Āā Ăă Ȧȧ Ǻǻ Ǽǽ Āā Āā Āā Āā Āā Āā Ȧȧ Ȧȧ Ȧȧ Āā Āā Āā Ȧȧ Āā Āā Āā Āā Āā Ȧȧ Ȧȧ Ȧȧ Ȧȧ Ȧȧ Gg Gg Gg Gg Gg Gg	
Barred-bowl forms (U+0111 U+0180 U+01E5)	1031	0=False	Đđ Bb Gg	ĐĐ BB GG	R
		1=True	Đđ Bb Gḡ	ĐĐ BB GG	
Slant italic specials (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 Ää Åå Āā Ăă Ȧȧ Ǻǻ Ǽǽ Āā Āā Āā Āā Āā Āā Ȧȧ Ȧȧ Ȧȧ Āā Āā Āā Ȧȧ Āā Āā Āā Āā Āā Ȧȧ Ȧȧ Ȧȧ Ȧȧ Ȧȧ Ȧȧ Āā Āā Āā Āā Āā Ȧȧ Ȧȧ Ȧȧ Ȧȧ Ȧȧ	Aa Ãã Àà Áá Ââ Ää Åå Āā Ăă Ȧȧ Ǻǻ Ǽǽ Āā Āā Āā Āā Āā Āā Ȧȧ Ȧȧ Ȧȧ Āā Āā Āā Ȧȧ Āā Āā Āā Āā Āā Ȧȧ Ȧȧ Ȧȧ Ȧȧ Ȧȧ Ȧȧ Āā Āā Āā Āā Āā Ȧȧ Ȧȧ Ȧȧ Ȧȧ Ȧȧ	R

⁵ **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
U+1EB1 U+1EB3 U+1EB5 U+1EA1 U+1EB7 U+2C65 U+0250 U+00E6 U+0066 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)			İı Ĩ ĩ Ħ Ĭ İ ĭ Ĳ ĳ Ĵ ĵ Ķ ķ Vv Ṽv V̇v Zz Żż Źź Žž Ẓz Z̤z Fə fə ƒ ƒ̊	Ī ī Ĩ į Ħ Ĭ ĭ Ĳ ĳ Ĵ ĵ Ķ ķ Ĳ ĳ Ĵ ĵ Ll Ll L̄l Vv Ṽv V̇v Zz Żż Źź Žž Ẓz Z̤z Ff ƒ ƒ̊	
		1=True	Aa Ãã Àà Áá Ââ Ää Åå Āā Ăă Ǻǻ Àà Ââ Áá Ḃḃ Ḉḉ Ḱḱ Ḳḳ Ḵḵ Ḷḷ Ḹḹ Ăă Ḃḃ Ḍḍ Ḑḑ æ œ Ff F̆f Ii Ìí Îî Ĭĩ Ĳį Ĳĩ Ĩ ĩ Ĳ ĳ Ĵ ĵ Ķ ķ Ĳ ĳ Ĵ ĵ Ĳ ĳ Ĵ ĵ Ĳ ĳ Žž Żż Žž Ẓz Z̤z Ff ƒ ƒ̊	AA ÃÃ ÀÀ ÁÁ ÂÂ ÄÄ ÅÅ ĀĀ Ăă Ǻǻ ÀÀ ÂÂ ÁÁ ḂḂ ḈḈ ḰḰ ḲḲ ḴḴ ḶḶ ḸḸ ĂĂ ḂḂ ḌḌ ḐḐ æ œ Ff F̆f Ii Ìí Îî Ĭĩ Ĳį Ĳĩ Ĩ ĩ Ĳ ĳ Ĵ ĵ Ķ ķ Ĳ ĳ Ĵ ĵ Ĳ ĳ Ĵ ĵ Ĳ ĳ ŽŽ ŻŻ ŽŽ ẒZ Z̤Z Ff ƒ ƒ̊	
Non-European caron alternates (U+0165 U+010F U+013D U+013E)	1063	0=False	ř ř Đđ Ľľ	Ř ř ĐĐ Ľľ	R
		1=True	ř ř Đđ Ľľ	Ř ř ĐĐ Ľľ	
Ogonek alternate (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)	1043	0=Curved	anything with ȓ (Ąą Ęę Įį Ųų Qq Q̇q)	anything with ȓ (Ąą Ęę Įį Ųų Qq Q̇q)	R
		1=Straight	anything with ȓ (Ąą Ęę Įį Ųų Qq Q̇q)	anything with ȓ (Ąą Ęę Įį Ųų Qq Q̇q)	
Low-profile diacritics (U+0300 U+0301 U+0302 U+0303 U+0304 U+0307 U+0308 U+030C)	1054	0=High angle	anything with ͇̀́͂̓̈́͆ͅ (àáâãääåä)	anything with ͇̀́͂̓̈́͆ͅ (ÀÁÂÃÄÅÄÄ)	R
		1=Low angle	anything with ͇̀́͂̓̈́͆ͅ (àáâãääåä)	anything with ͇̀́͂̓̈́͆ͅ (ÀÁÂÃÄÅÄÄ)	
Capital B-hook alternate (U+0181)	1064	0=False	Ɓɓ	ƁƁ	R
		1=True	Бб	ББ	
Serif beta alternates (U+03B2 U+1D66 U+1D5D)	1060	0=No Serif	β β β	β β β	R
		1=Serif	β β β	β β β	

Feature Name	Feature ID	Feature Setting	Example	Example with Small Capitals	TypeTuner Notes ⁶
Rams horn alternates (U+0264)	1025	0=Small bowl	ŕ	Small capitals are not available as there is no uppercase equivalent	R
		1=Large bowl	ŗ		
		2=Small gamma	ŕ		
Capital H-stroke alternate (U+0126)	1038	0=Horizontal stroke	Ĥĥ	ĤĤ	R
		1=Vertical stroke	Ħĥ	ĦĦ	
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	Ŋŋ	Ŋŋ	R
		1=Large eng on baseline	ŋŋ	ŋŋ	
		2=Capital N with tail	Ŋŋ	ŊŊ	
		3=Large eng with short stem	ŋŋ	ŋŋ	
Capital N-left-hook alternate (U+019D)	1035	0=Uppercase style	Ŋŋ	ŊŊ	R
		1=Lowercase style	ŋŋ	ŋŋ	
Open o alternate (U+0186 U+0254 U+1D10 U+1D53 U+1D97)	1059	0=Bottom serif	Ɔ ɔ ɔ ɔ	Ɔ ɔ ɔ ɔ	R
		1=Top serif	Ɔ ɔ ɔ ɔ	Ɔ ɔ ɔ ɔ	
Small p-hook alternate (U+01A5)	1040	0=Left hook	ƆƆ	ƆƆ	R
		1=Right hook	ƆƆ	ƆƆ	

⁶ **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 ⁷
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	ṮṮ	ṮṮ	R
		1=Right hook	ṮṮ	ṮṮ	
V-hook alternates (U+01B2 U+028B)	1033	0=Curved	ṲṲ	ṲṲ	R
		1=Straight left	ṲṲ	ṲṲ	
		2=Straight left high hook	ṲṲ	ṲṲ	
Capital Y-hook alternate (U+01B3)	1034	1=Right hook	ŸŸ	ŸŸ	R
		0=Left hook	ŸŸ	ŸŸ	
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		

⁷ **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.)

[illegible]

Feature Name	Feature ID	Feature Setting	Example	Example with Small Capitals	TypeTuner Notes
			χ Χ × 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>	
Other feature interactions					
Vietnamese-style diacritics + Literacy alternates	1029 + 1032	True	<p> </p>	<p> </p>	R

Feature Name	Feature ID	Feature Setting	Example	Example with Small Capitals	TypeTuner Notes
Vietnamese-style diacritics + Slant italic specials	1029 + 1053	True	Ấấ Ầầ Ẫẫ Ẫẫ Ẫẫ Ầầ Ầầ Ẫẫ Ếế Ềề Ếế Ếế Ồồ Ồồ Ồồ Ồồ	ẤẤ ẦẦ ẤẤ Ẫẫ ẦẦ ẦẦ ẦẦ ẦẦ ẾẾ ỀỀ ẾẾ ẾẾ ỒỒ ỒỒ ỒỒ ỒỒ	R
Vietnamese-style diacritics + Literacy alternates + Slant italic specials (Literacy alternates take precedent over Slant italic specials)	1029 + 1032 + 1053	True	Ấấ Ầầ Ẫẫ Ẫẫ Ẫẫ Ầầ Ầầ Ẫẫ Ếế Ềề Ếế Ếế Ồồ Ồồ Ồồ Ồồ	ẤẤ ẦẦ ẤẤ Ẫẫ ẦẦ ẦẦ ẦẦ ẦẦ ẾẾ ỀỀ ẾẾ ẾẾ ỒỒ ỒỒ ỒỒ ỒỒ	R
Literacy alternates + Slant italic specials (Literacy alternates take precedent over Slant italic specials)	1032 + 1053	True	Aa àà Áá Ââ Ãã Ää Åå Āā Ăă Ạạ Ằằ Ẵẵ Ấấ Ầầ Ẫẫ Ậậ Ậậ Ậậ Ậậ Ậậ Ậậ Ậậ Ậậ Ậậ Ậậ Ấấ Ầầ Ẫẫ Ậậ Ậậ Ậậ Ậậ Ậậ Ậậ Ậậ Ậậ Ậậ Ậậ Gg Gg Gg Gg Gg Gg Gg Gg	AA Àà ÁÁ ÂÂ ÃÃ ÄÄ ÅÅ Āā Ăă Ạạ Ằằ Ẵẵ ẦẦ ẦẦ ẦẦ ẦẦ ẦẦ ẦẦ ẦẦ ẦẦ ẦẦ ẦẦ ẦẦ ẦẦ ẦẦ ẦẦ ẦẦ ẦẦ ẦẦ ẦẦ ẦẦ ẦẦ ẦẦ ẦẦ ẦẦ ẦẦ Gg Gg Gg Gg Gg Gg Gg Gg	R