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 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:Engs=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:Engs=2&smcp=1" 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 (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	Feature ID	Feature Setting	Example	Example with Small Capitals	TypeTuner Notes ¹
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)	viet (old:1029)	0=False	ấá Àà Ẩả Ãã Xá Àà Åå Ăã ếé Èè Éẻ ễẽ ốó ồò ổổ ỗô	ấá Àà Ẩả Ãã Ấắ Àà Åå Ãã ÉÉ ÈÈ ÉÉ ĚĚ ÔÓ ÔÒ ÔÔ ÕÕ	R, O
		1=True	ấấ Àà Ẩẩ Ấã Ăắ Ăằ Åå Ãã Éế Èè ểể ễê ốố Òò ổổ ỗỗ	Á Á Á Á Á Á Á Á Á Á Á Á Á Á Á Á Á Á Á Ö Ó Ó Ó Ö	
Romanian-style diacritics (U+015E U+015F U+0162 U+0163)	romn (old:1041)	0=False	Şş Ţţ	Şş ŢŢ	R, O
		1=True	Şş Ţţ	Şş ŢŢ	
Serbian-style alternates (U+0431 U+0433 U+0434 U+043F U+0442)	serb (old:1078)	0=False	Бб Гг Дд Пп Tm	ББ ГГ ДД ПП ТТ	R
		1=True	Бδ Гī Дg Пū Тѿ	ББ ГГ ДД ПП ТТ	
Chinantec tones (U+02CB U+02C8 U+02C9 U+02CA)	chtn (old:1057)	0=False	1-/	Small capitals are not available as there is no uppercase equivalent	R
		1=True	\1-7		
Bridging diacritics (U+0308 – used with "L" and "I", U+0311, U+0361 and U+035F – used with "O", "o", "U" and "u".)	brig (old:1052)	0=False	Naso: ĽL Ïl Ľl Konai: ÔU Ôu ôu ÔU Ôu ôu ÔU Ôu ôu ÔU Ôu ôu	Small capitals do not work properly	G
		1=True	Naso: ĽĽ ÏÏ ĽÏ Konai: ÔÙ Ôu ôu ÔÙ Ôu ôu ÔÙ Ôu ôu ÔÙ Ôu ôu		
Cyrillic ²					
Mongolian-style Cyrillic E	mone (old:1027)	0=False	Ээ	Ээ	R
,		1=True	Ээ	Ээ	

¹TypeTuner 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).

⁽http://scripts.sil.org/ttw).

2There 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	Feature ID	Feature Setting	Example	Example with Small Capitals	TypeTuner Notes
Combining breve Cyrillic form (U+0306)	sbrv (old:1028)	0=False	anything with $\check{\ }$ ($\check{\ }$ ð)	anything with ヾ(ðð)	R (no effect if data is NFC)
		1=True	anything with ヾ (ðĕ)	anything with ヾ(ðð)	
Cyrillic shha alternate (U+04BB)	shha (old:1056)	0=False	hh	hh	R
		1=True	hь	hh	
Tone-related					
Tone numbers (U+02E5 U+02E6 U+02E7 U+02E8 U+02E9 U+A712	tone (old:1026)	0=False	1144][[+][Small capitals are not available as there is no uppercase equivalent	G
U+A713 U+A714 U+A715 U+A716)		1=True	5 4 3 2 1 5 4 3 2 1	-there is no appercase equivalent	
Hide tone contour staves (U+02E5 U+02E6 U+02E7 U+02E8 U+02E9 U+A712	tstv (old:1050)	0=False	1144][[++[(\N\)	Small capitals are not available as there is no uppercase equivalent	G
U+A713 U+A714 U+A715 U+A716)		1=True	1144J[FFFF(\lambda \lambda)		
9-level pitches (U+F1F1 U+F1F2 U+F1F3 U+F1F4 U+F1F5 U+F1F6	pit9 (old:1062)	0=Ligated	(\^)	Small capitals are not available as there is no uppercase equivalent	G
U+F1F7 U+F1F8 U+F1F9)		1=Show tramlines	(\scale=)		
		2=Non-ligated	()		
		3=Show tramlines, non- ligated	()		
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+01EB 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)	litr (old:1032)	0=False	Aa Àà Áá Ââ Ãã Ää Åå Āā Ăā Ąą Ăǎ Āā Āā Áắ Äå Ââ Àà Aa Ả Ḥa Áá Áấ Àà Áå Ãã Ậã Áã Áắ Åằ Åå Ãã Ḥa Ƙa Gg Ĝĝ Ğğ Ġġ Ģģ Ğǧ Ġģ Gg Āg	AA ÀÀ ÁÁ ÂÂ ÃÃ ÄÄ ÅÅ ĀĀ ĂĂ ĄĄ ĂĂ ĀĀ ĀĀ ÁÁ ÅÅ ÀÀ ÂÂ ÀA ĄĄ Å ĄĄ ÅÅ ÄÅ ÂÂ ÀÀ ÅÂ ÃÃ ẬẬ ẤĂ ĂĂ ÅĂ ÅĂ ĂĂ ĂĂ ĂĂ GG ĜĜ ĞĞ ĠĠ ĢĢ ĞĞ ĠĠ GG ĀĀ	R
		1=True	Aa Àà Áá Ââ Ãã Ää Åå Āā Ăā Ąą Ăă Āā Āā Áấ Äå Ââ Àà Aa d Aa Ád Áấ Àà Ád Ãã Ãã Áã Áå Áå Åå Åå Ăă Ăă Ăă Ag Gg Ĝĝ Ğğ Ġġ Ģģ Ğǧ Gġ Gġ Gġ	AA ÀÀ ÁÁ ÂÂ ÃÃ ÄÄ ÅÅ ĀĀ ĂĂ ĄĄ ĂĂ ĀĀ ĀĀ ÁÁ ÀÀ ÂÂ ÀA ĄĄ Ả ĄẠ ÅÅ ÂÂ ÂÂ ÂÂ	

Feature Name	Feature ID	Feature Setting	Example	Example with Small Capitals	TypeTuner Notes
				ÃÃ ẬẬ ẮẮ ằĂ ằằ ẮẮ ẵẵ ẶẶ ໕໕ GG ĜĜ ĞĞ ĠĠ ĢĢ ĞĞ ĠĠ GG GG	
Barred-bowl forms (U+0111 U+0180 U+01E5)	bowl (old:1031)	0=False	Đđ Bb Gg	ĐĐ BB GG	R
		1=True	Đd Bb Gg	ĐĐ BB GG	
Slant italic specials (J+0061 U+00E3 U+00E0 U+00E1 U+00E2 U+00E4 U+00E5 U+0101 U+0103 U+010E 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+0066 U+1E1F U+0069 U+00EC U+00ED U+00EF 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)	ital (old:1053)	0=False	Aa Ãã Àà Áá Ââ Ää Åå Åå Āā Ăă Ăă Āā Āā Åå Äà Ââ Àà Aa da Aa Ââ Àâ Àà Ââ Ââ Ââ Ââ Ââ Ââ Åå Åå Åå Åå Ãã Aa Aa Āa Āa Āa Āa Āa Āa Āā Āā Ââ Ââ Ââ Ââ Ââ Ââ Ââ Åå Åå Åå Ãã Aa Āa Āa Ææ Ff Ff Ii ìì lí lî lï lī lī lī lī lī ll	AA ÃÃ ÀÀ ÁÁ ÂÂ ÄÄ ÅÅ ÅÅ ĀĀ ĂĂ ĂĂ ĀĀ ĀĀ ÁÅ ÁÅ ÄÄ ÂÂ ÁA AA Å ÅÅ ÁÁ ÂÂ ÂÃ ÂÃ ÂÃ ÂÃ ÁÁ ÀĂ ÅÅ ÃĂ ÃĂ AA ĂĂ ÄÄ ÄÄ ÆK V ÆÆ FF FF II ÌÌ ÍÍ ÎÎ ÏÏ ĨĪ ĬĬ ĮĮ ĬĬ ÌÌ ÎÎ JJ ÏÏ ÎÏ JI II LL ĹĹ ĻĻ ṬṬ LL ĻĻ VV ŶŶ YY ZZ ŹŹ ŻŻ ŽŽ ŽŽ ZZ ZZ FF FF FF	R
		1=True	Aa Ãã Àà Áá Ââ Ää Åå Āā Ăā Ăă Äā Āā Áá Äà Ââ Àa Aa Aa å Åå Áâ Àâ Ââ Âã Ậậ Ấá Àà Åà Åå Ãã Aa Ḥặ Ḥa v Ææ Ff Ff Ii Ìì Íí Îî Ïi Ĩī Īī Ĭĭ Įį Ĭĭ Ìì Îî Ji fi li li Ll Ll Ll Ll Ll Ll Ll Vv Ũv Vv Zz Źź Żż Žż Žż Zz Zz Fr Ff Ff	AA ÃÃ ÀÀ ÁÁ ÂÂ ÄÄ ÅÅ ÅÅ ĀĀ ĂĂ ĂĂ ĀĀ ĀĀ ÁÁ ÁÁ ÄÄ ÂÂ ÁA AA Å ÅÁ ÁÁ ÂÂ ÂÂ ÂÃ ÂÃ ÂA ÁÁ ÀĂ ÅÅ ÅĂ ÃĂ AA ĂĂ ÄÄ ÆK V ÆÆ FF FF II ÌÌ ÍÍ ÎÎ ÏÏ ĨĪ ĬĬ ĮĮ ĬĬ ÌŊ ÎÎ JJ ÏÏ ÎÎ JI II LL ĹĹ ĻĻ ṬṬ LL ĻĻ VV ŶŶ ŸY ZZ ŹŹ ŻŻ ŽŽ ŽŽ ZZ ZZ FF ŢŢ ŢŢ	
Non-European caron alternates (U+0164 U+0165 U+010E U+010F U+013D U+013E)	carn (old:1063)	0=False	Ťť Ďď Ľľ	ŤŤ ĎĎ ĽĽ	R
		1=True	ľi ľoť ří	ŤŤ ĎĎ ĽĽ	

Feature Name	Feature ID	Feature Setting	Example	Example with Small Capitals	TypeTuner Notes
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)	ogon (old:1043)	0=Curved	anything with ႂ (Ąą Ęę Įį Ųų Ọợ Ọ̄ō)	anything with \cite{Q} (AA FE II VV \cite{Q} \cite{Q} \cite{Q} \cite{Q}	R
		1=Straight	anything with ွ (Ąą Ęę Įį Ųų Qǫ Ō̄ō)	anything with ${}_{\circ}$ (AA EE II UU QQ QQ)	
Low-profile diacritics (U+0300 U+0301 U+0302 U+0303 U+0304 U+0307 U+0308 U+030C)	lopr (old:1054)	0=High angle	anything with うくうううさざ (áàâǎāãää)	anything with ఏ Ć Ô Õ Ō Ō Ö Ö Ŏ Ŏ Ŏ Ŏ Ŏ Ŏ Ŏ Ŏ Ŏ Ŏ Ŏ Ŏ Ŏ Ŏ Ŏ Ŏ	R
		1=Low angle	anything with う ó う う う さ ざ (áàâǎāãää)	anything with ఏ Ć Ô Õ Ō Ō Ö Ö Ŏ Ŏ Ŏ Ŏ Ŏ Ŏ Ŏ Ŏ Ŏ Ŏ Ŏ Ŏ Ŏ Ŏ Ŏ Ŏ	
Serif beta alternate (U+03B2 U+1D66 U+1D5D)	beta (old:1060)	0=False 1=True	$eta^{eta_{eta}}$ $eta^{eta_{eta}}$	Small capitals are not available as there is no uppercase equivalent	R
Capital B-hook alternate (U+0181)	B_hk (old:1064)	0=False 1=True	ъ6 Б6	Вв	R
Rams horn alternates (U+0264)	ramh (old:1025)	0=Small bowl 1=Large bowl	Y	Small capitals are not available as there is no uppercase equivalent	R
		2=Small gamma	ठ ४		
Capital H-stroke alternate (U+0126)	Hstk (old:1038)	0=Horizontal stroke 1=Vertical stroke	Hħ	Нн	R
J stroke hook alternate (U+0284)	Jstk (old:1049)	0=No serif	нћ f	НН Small capitals are not available as there is no uppercase equivalent	R
Uppercase Eng alternates	Engs	1=Top serif 0= Large eng with	f		R
(U+014A)	(old:1024)	descender 1=Large eng on baseline	Ŋŋ Ŋ	ງຫ ກກ	
		2=Capital N with tail	Ŋŋ	ŊŊ	
		3=Large eng with short stem	^ອ	ງງ	

Feature Name	Feature ID	Feature Setting	Example	Example with Small Capitals	TypeTuner Notes
Capital N-left-hook alternate (U+019D) N_hk (old:	N_hk (old:1035)	0=Uppercase style	Np J	Nn	R
		1=Lowercase style	րր	րր	
Open o alternate (U+0186 U+0254 U+1D10 U+1D53 U+1D97)	opnO (old:1059)	0=Bottom serif	ວ _ວ ວ ° ວຸ	ეე ე ^ი ე	R
		1=Top serif	၁၁ ၁ ⁹ ဥ) ၂၁ ၁ [°] ဥ	
Small p-hook alternate (U+01A5)	p_hk (old:1040)	0=Left hook	Ρβ	РР	R
		1=Right hook	Pp '	PP	
Capital R-tail alternate (U+2C64) R_tt	R_tl (old:1039)	0=Uppercase style	Rt 1	Br	R
		1=Lowercase style	rr I	Cr	
Capital T-hook alternate (U+01AC) T_hk (old:10	T_hk (old:1037)	0=Left hook	Tf '	Тт	R
		1=Right hook	Τŧ	Тт	
V-hook alternates (U+01B2 U+028B)	v_hk (old:1033)	0=Curved	υυ	υυ	R
		1=Straight left	Vv	٧v	
		2=Straight left high hook	Vv	٧v	
Capital Y-hook alternate (U+01B3)	Y_hk (old:1034)	1=Right hook	Yy	ΥΥ	R
		0=Left hook	Yy	ΥΥ	
Small ezh-curl alternate (U+0293)	ezhc (old:1036)	0=Small bowl	3	Small capitals are not available as there is no uppercase equivalent	R
		1=Large bowl	3	inere is no uppercase equivalent	
Capital Ezh alternates (U+01B7 U+04E0)	Ezhr (old:1042)	0=Normal	33 33	33 33	R
		1_Povorcod ciama		ΣΣ ΣΣ	
OU alternates (U+0222 U+0223 U+1D3D U+1D15)	opOU (old:1045)	0=Closed		888 ⁸	R
		1=Open	888 ⁸	888 ⁸	

Feature Name	Feature ID	Feature Setting	Example	Example with Small Capitals	TypeTuner Notes
Modifier apostrophe alternates (U+02BC U+A78B U+A78C)	apos (old:1044)	0=Small 1=Large	' !! ' !!	Small capitals are not available	R
Modifier colon alternate (U+A789)	coln (old:1047)	0=Tight 0=Wide	:	Small capitals are not available as there is no uppercase equivalent	R
Empty set alternates (U+2205)	empt (old:1046)	0=Circle 1=Zero	: Ø	Small capitals are not available as there is no uppercase equivalent	R
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	invs (old:1030)	0=False 1=True	CGJ ZW ZW LRM RLM LRE RLE PDP LRO VS VS , X F() RLO	Small capitals are not available as there is no uppercase equivalent	R
U+FEOA U+FEOB U+FEOC U+FEOD U+FEOE U+FEOF U+FEFF) Small Caps	smcp (old:1058)			ABCDEFGHIJKLMNO PQRSTUVWXYZÀÁÂ ÃÄÅÆÇÈÉÊËÌÍÎÏÐÑ ÒÓÔÕÖØÙÚÛÜÝÞŸĀ ĂĄĆĈĊČĎÐĒĔĖĘĚĜĞ ĠĢĤĦĨĪĬĮIIJĴĶĹĻĽŁŁ ŃŅŇŊŌŎŐŒŔŖŘŚŜŞ ŠŢŤŦŨŪŬŮŰŲŴŶŹŻ ŽBБЬĆ∃FHЬKŁŊOOP ZTUYZESPDŽDŽLJLJ NJNJĂĬŎŬÜÜÜÜÄÄÄ ÆGĞKQŌŠDZDZĠŇÁ ÆGÄKQŌŠDZDZĠŇÁ ÆØÄÂËÊÏÎÖÔŘRÜÛŞ Ţ3H8ZAĘÖÕÖÖĀŸ? EJQRYVQBDDDDĒÉĘ ĘĶĖĠĤḤḤĦĦĦŢĨŔĶĶĻ	R
			aaaaaaaaaeeeeeeei i o o o o o o o o o o o o o o o o o o	ŢĻĻ M M M M N N N N Ñ Õ Õ Ö Õ P P R R R S S S Š Š T T T T U U Ų Ű Ü Ũ V W W W W W X X Y Z Z A Å Â Â Â Â	

Feature Name	Feature ID	Feature Setting	Example	Example with Small Capitals	TypeTuner Notes
			абвгдежзийклмнопр стуфхцчшщъыьэюяѐ ёђѓєѕіїјљыћќйўџѣө ѵҋьрґғҕҗҙқҝҟҡӊҥҧҩ ҫҭүұҳҵҷҹһҽҿӂӄӆӈӊ ӌӎӀӑӓӕӗәӛӝӟӡӣӥӧѳӫ ӭӯӱӳӵӷӹӻӽӿddъҳҡњ ӄъεӆхҳӿqѡкҧҧ	ĂĂĂĂĂĘĖĒĖĖĖĒĒĻIO OÔÔÔÔÔÔOÓOOOUU ÚÙŮŨŲŸYŸŶIL6¥ŁА ТҢҚ Z W F H Ђ E 4 4 AA AO К СО ' АБВГДЕЖЗИЙКЛМН ОПРСТУФХЦЧШЩЪ ЫЬЭЮЯЁЁЂЃЄ S I Ï J Љ ЊЋЌЍЎЏѢѲѴҊЬҎҐ ҒБҖ ҘҚ К К К Ң Н Ҧ Ҩ Ç Ҭ Y Y X Ҵ Ҷ Ч Һ Ҽ Ҿ Ӂ Ӄ Ӆ Ӈ Ӊ Ӌ Ӎ I Ă Ä Æ Ĕ Ə Ӛ Ӝ Ӟ З Ӣ Ӥ Ö Ө Ö Ӭ Ӯ Ӱ Ӳ Ӵ Ӷ Ӹ Ӻ Ӽ X d & З ¬ Љ Њ G Ђ E J JX К Æ Q W К Љ Њ	
Show deprecated PUA	dpua (old:1077)		This feature no longer works in Graphite applications which use a newer Graphite engine. This means it does not work in LibreOffice or Firefox. It does still work in OpenOffice.		R
Other Features					
Diacritic selection	dsel (old:1051)	0=False 1=True	Allows independent selection of diacritics (rather than the base plus diacritic) ³ .		G
Line spacing		Normal Tight Loose	Allows for adjustment of the default line spacing in the font.		Т

³Diacritic selection is only available in FieldWorks applications (http://fieldworks.sil.org/).