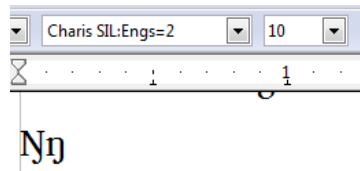
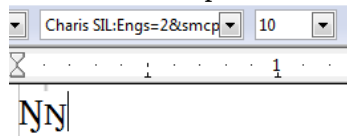


Font Features for Charis SIL

When Charis SIL 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 Charis SIL), 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 “Charis SIL: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, “Charis SIL: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 Charis SIL:

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	Áá Àà Ăă Ãã Ää Åå Ææ Èè Êê Ëë Óó Òò Ôô Õõ	ÁÁ ÀÀ ĂĂ ÃÃ ÄÄ ÅÅ ÆÆ ÈÈ ÊÊ ËË ÓÓ ÒÒ ÔÔ ÕÕ	R, O
		1=True	Áá Àà Ăă Ãã Ää Åå Ææ Èè Êê Ëë Óó Òò Ôô Õõ	ÁÁ ÀÀ ĂĂ ÃÃ ÄÄ ÅÅ ÆÆ ÈÈ ÊÊ ËË ÓÓ ÒÒ ÔÔ ÕÕ ²	
Romanian-style diacritics (U+015E U+015F U+0162 U+0163)	romn (old:1041)	0=False	Șș Țț	ȘȘ ȚȚ	R, O
		1=True	Șș Țț	ȘȘ ȚȚ	
Chinantec tones (U+02CB U+02C8 U+02C9 U+02CA)	chln (old:1057)	0=False	˘ ˙ ˚	Small capitals are not available as there is no uppercase equivalent	R
		1=True	˘ ˙ ˚		
Bridging diacritics (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	Naso: ̈L̈L̈ ̈l̈l̈ ̈L̈l̈ Konai: Ô̈Ü Ô̈ü ô̈ü Ô̈Ü Ô̈ü ô̈ü ÖÜ Öü öü ÖÜ Öü öü	Small capitals do not work properly	G
		1=True	Naso: L̈L̈ l̈l̈ L̈l̈ Konai: ÖÜ Ô̈ü ô̈ü ÖÜ Ô̈ü ô̈ü ÖÜ Öü öü ÖÜ Öü öü		

¹**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>).

²There is currently a bug in the Graphite smarts in this font. You cannot select both Small Caps and Vietnamese diacritics. You can get access to this feature through TypeTuner.

Feature Name	Feature ID	Feature Setting	Example	Example with Small Capitals	TypeTuner Notes
Rams horn alternates (U+0264)	ramh (old:1025)	0=Small bowl	ʀ	Small capitals are not available as there is no uppercase equivalent	R
		1=Large bowl	ʁ		
		2=Small gamma	ʕ		
Capital H-stroke alternate (U+0126)	Hstk (old:1038)	0=Horizontal stroke	Ĥĥ	ĤĤ	R
		1=Vertical stroke	Ḥḥ	ḤḤ	
J stroke hook alternate (U+0284)	Jstk (old: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)	Engs (old:1024)	0= Large eng with descender	Ŋŋ	Ŋŋ	R
		1=Large eng on baseline	ᮒᮓ	ᮒᮒ	
		2=Capital N with tail	ᮞᮟ	ᮞᮞ	
		3=Large eng with short stem	ᮠᮡ	ᮠᮠ	
Capital N-left-hook alternate (U+019D)	N_hk (old:1035)	0=Uppercase style	ᮞᮟ	ᮞᮞ	R
		1=Lowercase style	ᮟᮠ	ᮟᮟ	
Open o alternate (U+0186 U+0254 U+1D10 U+1D53 U+1D97)	opnO (old: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)	p_hk (old:1040)	0=Left hook	ᮞᮟ	ᮞᮞ	R
		1=Right hook	ᮟᮠ	ᮟᮟ	
Capital R-tail alternate (U+2C64)	R_II (old:1039)	0=Uppercase style	ᮞᮟ	ᮞᮞ	R
		1=Lowercase style	ᮟᮠ	ᮟᮟ	

Feature Name	Feature ID	Feature Setting	Example	Example with Small Capitals	TypeTuner Notes
Capital T-hook alternate (U+01AC)	T_hk (old:1037)	0=Left hook	Tf	T T	R
		1=Right hook	Tf	T T	
V-hook alternates (U+01B2 U+028B)	v_hk: (old:1033)	0=Curved	Uv	U U	R
		1=Straight left	Vv	V V	
		2=Straight left high hook	Vv	V V	
Capital Y-hook alternate (U+01B3)	Y_hk (old:1034)	1=Right hook	Yy	Y Y	R
		0=Left hook	Yy	Y Y	
Small ezh-curl alternate (U+0293)	ezhc (old:1036)	0=Small bowl	Ʒ	Small capitals are not available as there is no uppercase equivalent	R
		1=Large bowl	Ʒ		
Capital Ezh alternates (U+01B7 U+04E0)	Ezhr (old:1042)	0=Normal	ƷƷ ƷƷ	Ʒ Ʒ Ʒ Ʒ	R
		1=Reversed sigma	ƷƷ ƷƷ	Ʒ Ʒ Ʒ Ʒ	
OU alternates (U+0222 U+0223 U+1D3D U+1D15)	opOU (old:1045)	0=Closed	888 ⁸	8 88 ⁸	R
		1=Open	888 ⁸	8 88 ⁸	
Modifier apostrophe alternates (U+02BC U+A78B U=A78C)	apos (old:1044)	0=Small	’ ll	Small capitals are not available	R
		1=Large	’ ll		
Modifier colon alternate (U+A789)	coln (old:1047)	0=Tight	:	Small capitals are not available as there is no uppercase equivalent	R
		0=Wide	:		
Empty set alternates (U+2205)	empt (old:1046)	0=Circle	∅	Small capitals are not available as there is no uppercase equivalent	R
		1=Zero	∅		

Feature Name	Feature ID	Feature Setting	Example	Example with Small Capitals	TypeTuner Notes
				<p> X H K Z W F H B E 4 4 AA AO K O O ' А В В Г Д Е Ж З И Й К Л М Н О П Р С Т У Ф Х Ц Ч Ш Щ Ъ Ы Ь Э Ю Я È Ë Ь Ё Є С І І Ј Љ Њ Ћ Ќ Й Ў Ц Ъ Ө V Й Ъ Р Г Г Б Ж З К К К К Н Н П ѿ Ҫ Ҥ Ү Ү X Ц ч Ч Һ ґ ґ Ж К Л Н Н Ч М I Å Ä Æ Ë Ì Ï Ж Э З Й Й Ö Ö Õ Ü Ý Ÿ Č ҫ БІ ҫ X x d ɔ ɔ ɔ ɔ ɔ ɔ Ѧ ɛ Ј Ј X X Я E Q W K Л Н </p>	
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) ⁵ .		G
Line spacing		Normal Tight Loose	Allows for adjustment of the default line spacing in the font.		T

⁵Diacritic selection is only available in FieldWorks applications (<http://fieldworks.sil.org/>).