

Font Features for Padauk

The Padauk font includes a number of optional features that provide alternative rendering that might be preferable for use in some contexts. The chart below enumerates the details of these features. Whether these features are available to users will depend on both the application and the rendering technology (Graphite or OpenType) being used. The features are currently only available in Graphite.

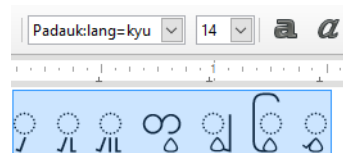
In LibreOffice 3.4.2+ (<http://www.libreoffice.org/download/>) the features are available only when Graphite rendering is enabled (the default). Features can be turned on by choosing the font (i.e., Padauk), followed by a colon, followed by the feature ID, and then followed by the feature setting. So, for example, if the “Lower dot shifts left” is desired, the font selection would be “Padauk:lldt=1”.



If you wish to apply two (or more) features, you can separate them with an “&”. Thus, “Padauk:lldt=1&wtri=1” would apply the “Lower dot shifts left” plus the “Tear drop style washwe” feature.

In Mozilla Firefox, with Graphite rendering, features can be accessed using the appropriate CSS markup. A description of how to use the font features in Mozilla Firefox can be found here: http://scripts.sil.org/cms/scripts/page.php?site_id=projects&item_id=graphite_firefox#cf8a0574.

You can also apply a language-based feature which will turn on all features associated with that language. The font would be set to “Padauk” (or Padauk Book) and then you need to change your language in your application. Since most applications do not support the Burmese language, you can select them in a similar way to the above approach. Languages can be turned on by choosing the font (i.e., Padauk), followed by a colon, followed by “lang=”, and then followed by the language code. So, for example, if the “Kayah” language is desired, the font selection would be “Padauk:lang=kyu”.



NB: The “kdot” (Khamti style dots) feature from previous versions is no longer active. Instead, use the Variation Selector U+FE00 to display the Khamti style dots for the Khamti, Aiton and Phake languages. For example, the characters U+1000 and U+FE00 in sequence will produce ဝံ.

The following font features are available in Padauk (disclaimer: the list of Unicode characters affected by a feature is not exhaustive):

Feature Name	Feature ID	Feature Setting (top-most in each section is default)	Example	Implementation_Notes ¹
Language-specific features				G, O
Sgaw (Turns on lldt=1)	ksw	Language set to Sgaw XeTeX: "Padauk/GR:language=ksw" (Graphite) XeTeX: "Padauk:language=ksw" (OpenType)	ရဲ့ ရဲ့ ကွ	
Khamti (Turns on fdot=1)	kht	Language set to Khamti XeTeX: "Padauk/GR:language=kht" (Graphite) XeTeX: "Padauk:language=kht" (OpenType)	ံ ဝး ဝး, ဝး; ဝး ဝး ဝး ဝး	
Kayah (Turns on hsln=2, wtri=1)	kyu	Language set to Kayah (Western) XeTeX: "Padauk/GR:language=kyu" (Graphite) XeTeX: "Padauk:language=kyu" (OpenType)	ွ ဝွ ဝွ ဝွ ဝွ ဝွ ဝွ	
Shan (Turns on wtri=1)	shn	Language set to Shan XeTeX: "Padauk/GR:language=shn" (Graphite) XeTeX: "Padauk:language=shn" (OpenType)	ွ ဝွ ဝွ ဝွ	
Aiton, Phake (Turns on aiph=1, fdot=1)	aio, phk	Language set to Aiton or Phake XeTeX: "Padauk/GR:language=aio" (Graphite) XeTeX: "Padauk/GR:language=phk" (Graphite) XeTeX: "Padauk:language=aio" (OpenType) XeTeX: "Padauk:language=phk" (OpenType)	က ထ ယ လ ဝေ က ရာ ဖြ ဝး ဝး, ဝး; ဝး ဝး ဝး ဝး ့	
Aiton Phake special characters over Khamti (U+1000, U+1011, U+101A, U+101C, U+101D, U+1031, U+1078, U+107A, U+AA7A)	aiph	0=False	က ထ ယ လ ဝေ က ရာ ဖြ	G
		1=True XeTeX: "Padauk/GR:Aiton Phake special characters over Khamti=True"	က ထ ယ လ ဝေ က ရာ ဖြ	
Filled dots (U+1036, U+1038, U+1087, U+1088, U+1089, U+108A, U+109A, U+109B, U+AA7B)	fdot	0=False	ံ ဝး ဝး, ဝး; ဝး ဝး ဝး ဝး	G
		1=True XeTeX: "Padauk/GR:Filled dots=True"	ံ ဝး ဝး, ဝး; ဝး ဝး ဝး ဝး	
Lower dot shifts left (U+1037 with U+101B, U+1036, U+103E – list not exhaustive)	lldt	0=False	ရဲ့ ရဲ့ ကွ	G
		1=True XeTeX: "Padauk/GR:Lower dot shifts left=True"	ရဲ့ ရဲ့ ကွ	
Tear drop style washwe (U+1010 U+103B U+103C, U+103D, U+103E)	wtri	0=False	ွ ဝွ ဝွ ဝွ	G
		1=True XeTeX: "Padauk/GR:Tear drop style washwe=True"	ွ ဝွ ဝွ ဝွ	

¹ Legend: G=Implemented in Graphite; O=Implemented in OpenType.

Feature Name	Feature ID	Feature Setting (top-most in each section is default)	Example	Implementation_Notes
Long U with Yayit, long UU with Hato (U+102F, U+1030)	ulon	0=False		G
		1=True XeTeX: "Padauk/GR:1970040686=1"		
U and UU always full height (U+102F, U+1030)	utal	0=False		G
		1=True XeTeX: "Padauk/GR:U and UU always full height=True"		
Insert dotted circles for errors (any combining mark)	dotc	1=True XeTeX: "Padauk/GR:Insert dotted circles for errors=True"		G
		0=False XeTeX: "Padauk/GR:Insert dotted circles for errors=False"		
Slanted hat (U+103E, U+102F, U+1030)	hsln	0=Upright XeTeX: "Padauk/GR:Slanted hat=Upright"		G
		1=Sgaw style slanted leg with horizontal foot XeTeX: "Padauk/GR:Slanted hat=Sgaw style slanted leg with horizontal foot"		
		2=Slanted leg with right angled foot XeTeX: "Padauk/GR:Slanted hat=Slanted leg with right angled foot"		
Disable great nnya (U+1039 U+100A)	nnya	0=False		G
		1=True XeTeX: "Padauk/GR:Disable great nnya=True"		
Variant tta (U+100B)	vtt	0=False		G
		1=True XeTeX: "Padauk/GR:Variant tta=True"		
Move ldot right when possible (U+1037, U+103C)	dotr	0=False		G
		1=True XeTeX: "Padauk/GR:Move ldot right when possible=True"		