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. For example, the Graphite features are available in apps that support Graphite such as LibreOffice and Firefox. The OpenType features (language and cvxx) can be used in CSS markup for browsers. The ssxx features can be used in InDesign and Microsoft Word.
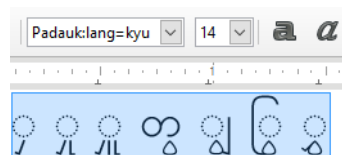
In LibreOffice 3.4.2+ (http://www.libreoffice.org/download/) the features are available only when Graphite rendering is enabled (the default). Features can be turned on by choosing the font (i.e., Padauk), followed by a colon, followed by the feature ID, and then followed by the feature setting. So, 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. 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 (see first section of the table below for language codes). 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NB: The "kdot" (Khamti style dots) feature from previous versions is no longer active.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-1 (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 က.

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

Feature Name	Graphite Feature ID	OpenType Feature ID	Feature Setting (top-most in each section is default)	Example
Language-specific features				
Sgaw (Graphite: turns on lldt=1)	ksw	ksw	Language set to Sgaw XeTeX: "Padauk/GR:language=ksw" (Graphite) XeTeX: "Padauk:language=ksw" (OpenType)	ရှ ရှိ ကွှ
Khamti (Graphite: turns on fdot=1, cv06=1)	kht	kht	Language set to Khamti XeTeX: "Padauk/GR:language=kht" (Graphite) XeTeX: "Padauk/language=kht" (OpenType)	ိ း ့ ့ ့ ့ ် ်ʼ ့ ့
Kayah (Graphite: turns on hsln=2, wtri=1)	kyu	kyu	Language set to Kayah (Western) XeTeX: "Padauk/GR:language=kyu" (Graphite) XeTeX: "Padauk/language=kyu" (OpenType)	့ ့ ့ ကွ ကျ ြ ့
Shan (Graphite: turns on wtri=1)	shn	shn	Language set to Shan XeTeX: "Padauk/GR:language=shn" (Graphite) XeTeX: "Padauk/language=shn" (OpenType)	ကွ ကျ ြ ့
Aiton, Phake (Graphite: turns on aiph=1, fdot=1, cv06=1)	aio, phk	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 ဟ ဃ ဃ လ ဏ ရ ြ ိ း ့ ့ ့ ့ ် ်ʼ ့
Tai Laing (Graphite: turns on cv09=1)	tjl	tjl	Language set to Tai Laing XeTeX: "Padauk/GR:language=tjl" (Graphite) XeTeX: "Padauk/language=tjl" (OpenType)	ဿ
User-selected features				
Filled dots (U+1036, U+1038, U+1087, U+1088, U+1089, U+108A, U+109A, U+109B, U+AA7B)	cv01 or fdot	cv01 or ss01	0=False	့ း ့ ့ ့ ့ ် ်ʼ ့
			1=True XeTeX: "Padauk/GR:Filled dots=True"	ိ း ့ ့ ့ ့ ် ်ʼ ့
Tear drop style washwe (U+1010 U+103B U+103C, U+103D, U+103E)	cv02 or wtri	cv02 or ss02	0=False	ကွ ကျ ြ ့
			1=True XeTeX: "Padauk/GR:Tear drop style washwe=True"	ကွ ကျ ြ ့
Asho Chin variants (U+106D)	cv03 or asho	cv03 or ss03	0=False	ကၼ
			1=True XeTeX: "Padauk/GR:Asho Chin variants=True"	ကၼ
Thai Mon variants (U+1003, U+100B, U+100C, U+100D,			0=False	ဿ ၡ ၢ ၣ ပ ဒ န သ ၡ အ ဏ ဿ ြ ၊ ။ ့

Feature Name	Graphite Feature ID	OpenType Feature ID	Feature Setting (top-most in each section is default)	Example
U+100E, U+1012, U+1014, U+101E, U+1020, U+1021, U+1023, U+103F, U+1049, U+104A, U+104B, kinzi)	cv04 or thai	cv04 or ss04	1=True XeTeX: "Padauk/GR:Thai Mon vaiants=True"	ဃ ဒ ဌ ဥ ပ ဒ န ဿ ဧ ဘ ဇ ဿ စ ၊ ၊၊
Aiton Phake special characters over Khamti (U+1000, U+1075, U+AA61, U+107A, U+1010, U+AA6B, U+1078, U+101A, U+AA7A, U+101C, U+AA6D, U+1022, U+103C)	cv05 or aiph	cv05 or ss05	0=False	က ဟ ဿ ရ တ ၐ ဏ ယ ြ လ ၞ ဟ ြ
			1=True XeTeX: "Padauk/GR:Aiton Phake special characters over Khamti=True"	ဃ ဟ ဿ ရ တ ၐ ဏ ယ ြ လ ၟ ဟ ြ
Khamti variants (U+1086) Also note Variation Selector-1 below	cv06	cv06 or ss06	0=False	၆
			1=True XeTeX: "Padauk/GR:Khamti variants=True"	၆
Slanted hato (U+103E, U+102F, U+1030)	cv07 or hsln	cv07	0=Upright XeTeX: "Padauk/GR:Slanted hato=Upright"	ၞ ၞ ၞ ရှ ၓ
			1=Sgaw style slanted leg with horizontal foot XeTeX: "Padauk/GR:Slanted hato=Sgaw style slanted leg with horizontal foot"	ၞ ၞ ၞ ရှ ၓ
			2=Slanted leg with right angled foot XeTeX: "Padauk/GR:Slanted hato=Slanted leg with right angled foot"	ၞ ၞ ၞ ရှ ၓ
Tai Laing variant (U+AA6C)	cv09	cv09 or ss09	0=False	ဿ
			1=True XeTeX: "Padauk/GR:Tai Laing variant=True"	ဿ
Tai Laing variants (U+A9E4, U+A9E8)	cv10	cv10 or ss10	0=False	၆ ၆
			1=True XeTeX: "Padauk/GR:Tai Laing variants=True"	၆ ၆
Lower dot shifts left (U+1037 with U+101B, U+1036, U+103E – list not exhaustive)	lldt	n/a (use language setting ksw)	0=False	ရ့ ရ့ က္
			1=True XeTeX: "Padauk/GR:Lower dot shifts left=True"	ရ့ ရ့ က္
Long U with Yayit, long UU with Hato (U+102F, U+1030)	ulon	n/a	0=False	ကြ က္
			1=True XeTeX: "Padauk/GR:1970040686=1"	ကြ က္
U and UU always full height (U+102F, U+1030)	utal	n/a	0=False	ၟ ၟ
			1=True XeTeX: "Padauk/GR:U and UU always full height=True"	ၟ ၟ

Feature Name	Graphite Feature ID	OpenType Feature ID	Feature Setting (top-most in each section is default)	Example
Insert dotted circles for errors (any combining mark)	dotc	n/a	1=True XeTeX: "Padauk/GR:Insert dotted circles for errors=True"	
			0=False XeTeX: "Padauk/GR:Insert dotted circles for errors=False"	
Disable great nnya (U+1039 U+100A)	nnya	n/a	0=False	
			1=True XeTeX: "Padauk/GR:Disable great nnya=True"	
Variant tta (U+100B)	vtta	n/a	0=False	
			1=True XeTeX: "Padauk/GR:Variant tta=True"	
Move ldot right when possible (U+1037, U+103C)	dotr	n/a	0=False	
			1=True XeTeX: "Padauk/GR:Move ldot right when possible=True"	
Variation Selectors feature				
Variation Selector-1 (U+FE00) Note: Used for Khamti, Aiton and Phake dotted characters. Also see entries for cv05 and cv06 above for additional variants.	n/a	n/a	Character with no VS1 (U+FE00) following	
			Character with VS1 (U+FE00) following	