

# Tengwar Formal fonts keymapping

This is a help file for Tengwar Formal fonts, version 1.2c.  
 For the latest version, look at: <http://tengwarformal.limes.com.pl>

## Copyright notice

Copyright © September 2009, Michal Nowakowski (<http://tengwarformal.limes.com.pl>),  
 with Reserved Font Names "Tengwar Formal" and "Tengwar Formal A".

This Font Software is licensed under the SIL Open Font License, Version 1.1.  
 This license is provided in a separate file, LICENSE, supplied with the fonts,  
 and is also available with a FAQ at: <http://scripts.sil.org/OFL>

## Basic keyboard layout

Tengwar Formal font uses the character mapping compatible with Daniel Smith's Tengwar Quenya, Tengwar Sindarin and Tengwar Noldor fonts. This keyboard layout is accepted as a standard and used in almost all popular tengwar fonts the author knows. It is rather unusual, as tengwar itself differs from the Latin alphabet. There are no fixed relations between the tengwar and Latin letters, because each tengwa may correspond to different sounds in different languages. Thus, the layout is devised rather to show the logical construction of the Tengwar. There are various software utilities designed to help people with these fonts, and they can be also used with Tengwar Formal. Yet this is not too difficult to learn its basics:

- blue** characters are the keyboard strokes
- black** characters is what you get in this font
- gray** characters are only to show usage of black characters
- red** character is the only one that differs from the original Dan Smith's mapping

### Lower case:

ı	Ɔ	Ɔ̇	Ɔ̈	Ɔ̉	Ɔ̊	Ɔ̋	Ɔ̌	Ɔ̍	Ɔ̎	Ɔ̏	Ɔ̐	Ɔ̑	Ɔ̒
·	1	2	3	4	5	6	7	8	9	0	-	=	\
	Ɔ	Ɔ̇	Ɔ̈	Ɔ̉	Ɔ̊	Ɔ̋	Ɔ̌	Ɔ̍	Ɔ̎	Ɔ̏	Ɔ̐	Ɔ̑	Ɔ̒
	q	w	e	r	t	y	u	i	o	p	[	]	c
	Ɔ̓	Ɔ̔	Ɔ̕	Ɔ̖	Ɔ̗	Ɔ̘	Ɔ̙	Ɔ̚	Ɔ̛	Ɔ̜	Ɔ̝	Ɔ̞	Ɔ̟
	a	s	d	f	g	h	j	k	l	;	'		
	Ɔ̠	Ɔ̡	Ɔ̢	Ɔ̣	Ɔ̤	Ɔ̥	Ɔ̦	Ɔ̧	Ɔ̨	Ɔ̩	Ɔ̪	Ɔ̫	Ɔ̬
	z	x	c	v	b	n	m	,	.	/			

### Upper case:

ı	Ɔ̑	Ɔ̒	Ɔ̓	Ɔ̔	Ɔ̕	Ɔ̖	Ɔ̗	Ɔ̘	Ɔ̙	Ɔ̚	Ɔ̛	Ɔ̜	Ɔ̝	Ɔ̞
~	!	@	#	\$	%	^	&	*	(	)	-	+		Ɔ̟
	Ɔ̑	Ɔ̒	Ɔ̓	Ɔ̔	Ɔ̕	Ɔ̖	Ɔ̗	Ɔ̘	Ɔ̙	Ɔ̚	Ɔ̛	Ɔ̜	Ɔ̝	Ɔ̞
	Q	W	E	R	T	Y	U	I	O	P	{	}	Ɔ̟	
	Ɔ̠	Ɔ̡	Ɔ̢	Ɔ̣	Ɔ̤	Ɔ̥	Ɔ̦	Ɔ̧	Ɔ̨	Ɔ̩	Ɔ̪	Ɔ̫	Ɔ̬	Ɔ̭
	A	S	D	F	G	H	J	K	L	:	"			
	Ɔ̠	Ɔ̡	Ɔ̢	Ɔ̣	Ɔ̤	Ɔ̥	Ɔ̦	Ɔ̧	Ɔ̨	Ɔ̩	Ɔ̪	Ɔ̫	Ɔ̬	Ɔ̭
	Z	X	C	V	B	N	M	<	>	?				

## Extended keyboard strokes for tethar on US keyboard

### Tetha symbols above the tengwar:

Reverse triple over-dots	<a href="#">alt/0170</a> ọ̣̣̄̀	<a href="#">alt/0173</a> better <a href="#">alt/0128</a> ọ̣̣̄̀	<a href="#">alt/0175</a> ḑ̣̣̣	<a href="#">alt/0181</a> ọ̣̣̣̣̄̀
Double over-dots	<a href="#">alt/0212</a> ọ̣̣̄̀	<a href="#">alt/0213</a> ọ̣̣̄̀	<a href="#">alt/0214</a> ḑ̣̣̣	<a href="#">alt/0215</a> ọ̣̣̣̣̄̀
Over-chevron	<a href="#">alt/0216</a> ọ̣̣̄̀	<a href="#">alt/0217</a> ọ̣̣̄̀	<a href="#">alt/0218</a> ḑ̣̣̣	<a href="#">alt/0219</a> ọ̣̣̣̣̄̀
Over-circumflex	<a href="#">alt/0220</a> ọ̣̣̄̀̂	<a href="#">alt/0221</a> ọ̣̣̄̀̂	<a href="#">alt/0222</a> ḑ̣̣̣̂	<a href="#">alt/0223</a> ọ̣̣̣̣̄̀̂
Reverse over-curl	<a href="#">alt/0224</a> ọ̣̣̄̀̃	<a href="#">alt/0225</a> ọ̣̣̄̀̃	<a href="#">alt/0226</a> ḑ̣̣̣̃	<a href="#">alt/0225</a> ọ̣̣̣̣̄̀̃
Over-twist	<a href="#">alt/0232</a> ọ̣̣̄̀̄	<a href="#">alt/0233</a> ọ̣̣̄̀̄	<a href="#">alt/0234</a> ḑ̣̣̣̄	<a href="#">alt/0235</a> ọ̣̣̣̣̄̀̄
High over-bar	<a href="#">alt/0236</a> ọ̣̣̄̀̅	<a href="#">alt/0238</a> ọ̣̣̄̀̅		

### Tetha symbols below the Tengwa:

Single under-dot	<a href="#">alt/0200</a> ọ̣̣̄̀̇	<a href="#">alt/0201</a> ḑ̣̣̣̇	<a href="#">alt/0202</a> ọ̣̣̄̀̇	<a href="#">alt/0203</a> ọ̣̣̣̣̣̄̀̇̇
Double under-dots	<a href="#">alt/0204</a> ọ̣̣̄̀̈	<a href="#">alt/0205</a> ḑ̣̣̣̈	<a href="#">alt/0206</a> ọ̣̣̄̀̈	<a href="#">alt/0207</a> ọ̣̣̣̣̣̄̀̈̈
Reverse triple under-dots	<a href="#">alt/0208</a> ọ̣̣̄̀̉	<a href="#">alt/0209</a> ḑ̣̣̣̉	<a href="#">alt/0210</a> ọ̣̣̄̀̉	<a href="#">alt/0211</a> ọ̣̣̣̣̣̄̀̉̉
Under-curl	<a href="#">alt/0228</a> ọ̣̣̄̀̊	<a href="#">alt/0229</a> ḑ̣̣̣̊	<a href="#">alt/0230</a> ọ̣̣̄̀̊	<a href="#">alt/0231</a> ọ̣̣̣̣̣̄̀̊̊
Under-carrier	<a href="#">alt/0252</a> ọ̣̣̄̀̋	<a href="#">alt/0253</a> ḑ̣̣̣̋	<a href="#">alt/0254</a> ọ̣̣̄̀̋	<a href="#">alt/0255</a> ọ̣̣̣̣̣̄̀̋̋
Single under-accent	<a href="#">alt/0137</a> ọ̣̣̄̀̌	<a href="#">alt/0138</a> ḑ̣̣̣̌	<a href="#">alt/0139</a> ọ̣̣̄̀̌	<a href="#">alt/0159</a> ọ̣̣̣̣̣̄̀̌̌
Double under-accents	<a href="#">alt/0131</a> ọ̣̣̄̀̍	<a href="#">alt/0132</a> ḑ̣̣̣̍	<a href="#">alt/0133</a> ọ̣̣̄̀̍	<a href="#">alt/0134</a> ọ̣̣̣̣̣̄̀̍̍
Under-tail	<a href="#">alt/0145</a> ọ̣̣̄̀̎	<a href="#">alt/0146</a> ḑ̣̣̣̎	<a href="#">alt/0147</a> ọ̣̣̄̀̎	<a href="#">alt/0148</a> ọ̣̣̣̣̣̄̀̎̎
Low under-bar	<a href="#">alt/0237</a> ọ̣̣̄̀̏	<a href="#">alt/0239</a> ọ̣̣̄̀̏		

### Tetha symbols inside the Tengwa:

Inside tilde	<a href="#">alt/0176</a> ọ̣̣̱̄̀
Inside double-accents	<a href="#">alt/0130</a> ọ̣̣̲̄̀

Inside bar	<a href="#">alt/0184</a> ọ̣̣̳̄̀
Inside double dots	<a href="#">alt/0180</a> ọ̴̣̣̄̀

### Additional s-curly:

Lifted curl	<a href="#">alt/0161</a> ọ̵̣̣̄̀
Upward curl	<a href="#">alt/0197</a> ọ̶̣̣̄̀
Swash curl	<a href="#">alt/0163</a> ọ̷̣̣̄̀

Raised curl	<a href="#">alt/0162</a> ọ̸̣̣̄̀
Raised upward curl	<a href="#">alt/0198</a> ọ̣̣̹̄̀
Lowered swash curl	<a href="#">alt/0165</a> ọ̣̣̺̄̀

**Additional Tengwar Letters used by Christopher Tolkien:**

Alternate letter for <i>quesse</i>	<a href="#">alt/0196</a>	ḡ
------------------------------------	--------------------------	---

Alternate letter for <i>halla</i>	<a href="#">alt/0189</a>	l
-----------------------------------	--------------------------	---

**Additional Tengwar Letters used in J.R.R. Tolkien's English texts:**

Alternate letter for <i>HW</i>	<a href="#">alt/0190</a>	᳚
Alternate letter for <i>HW</i>	<a href="#">alt/0179</a>	᳚

Alternate letter for <i>schwa</i>	<a href="#">alt/0188</a>	ɾ
Alternate letter for <i>HW</i>	<a href="#">alt/0191</a>	᳚

**Additional Tengwar Letters used in J.R.R. Tolkien's Sindarin texts:**

Alternate letter for <i>a</i>	<a href="#">alt/0135</a>	ḡ
-------------------------------	--------------------------	---

Alternate letter for <i>MH</i>	<a href="#">alt/0154</a>	᳚
--------------------------------	--------------------------	---

**Additional Tengwar Letters used in J.R.R. Tolkien's Anglo-Saxon texts:**

Old English letter for <i>HW</i>	<a href="#">alt/0149</a>	ḡ
Old English letter for <i>SC (sh)</i>	<a href="#">alt/0150</a>	ḡ
Old English symbol for & ( <i>and</i> )	<a href="#">alt/0151</a>	ḡ

Old English letter for <i>back HT</i>	<a href="#">alt/0166</a>	ḡ
Old English letter for <i>front HT</i>	<a href="#">alt/0167</a>	ḡ

**Additional punctuation:**

Elvish question mark	<a href="#">alt/0192</a>	᳚
Elvish exclamation mark	<a href="#">alt/0193</a>	᳚
Elvish parenthesis	<a href="#">alt/0155</a>	᳚
Single wide tilde	<a href="#">alt/0194</a>	~
Double narrow tilde	<a href="#">alt/0172</a>	≈
Elvish comma	<a href="#">alt/0136</a>	᳚
Old English double front quote	<a href="#">alt/0171</a>	"
Old English double back quote	<a href="#">alt/0187</a>	"

Modern question mark	<a href="#">alt/0174</a>	?
Modern exclamation mark	<a href="#">alt/0199</a>	!
Modern period	<a href="#">alt/0186</a>	.
Modern semicolon	<a href="#">alt/0195</a>	;
Modern comma	<a href="#">alt/0185</a>	,
Modern front quote	<a href="#">alt/0177</a>	'
Modern back quote	<a href="#">alt/0178</a>	'
Modern front parenthesis	<a href="#">alt/0140</a>	(
Modern back parenthesis	<a href="#">alt/0156</a>	)

**Tengwar numbers**

Tengwar digits 0-3	<a href="#">alt/0240</a>	᳚	<a href="#">alt/0241</a>	᳚	<a href="#">alt/0242</a>	᳚	<a href="#">alt/0243</a>	᳚
Tengwar digits 4-7	<a href="#">alt/0244</a>	᳚	<a href="#">alt/0245</a>	᳚	<a href="#">alt/0246</a>	᳚	<a href="#">alt/0247</a>	᳚
Tengwar digits 8-11	<a href="#">alt/0248</a>	᳚	<a href="#">alt/0249</a>	᳚	<a href="#">alt/0250</a>	᳚	<a href="#">alt/0251</a>	᳚
Base-12 identifiers	<a href="#">alt/0152</a>	᳚	<a href="#">alt/0153</a>	᳚	<a href="#">alt/0168</a>	᳚	<a href="#">alt/0169</a>	᳚

## Tengwar Formal A Keyboard layout

Tengwar Formal A font provides a small set of symbols to use in specific conditions. For example, it contains modified versions of *rómen* and *arda* to use with double under-dots. Additionally, the font comes with superscript *yanta* and *úre* tetha symbols, used occasionally in Sindarin texts, but never present in standard Dan Smith's mapping.

### Additional Tengwar Letters:

Alternate letter for <i>rómen</i>	<b>7</b>	Ʒ
Alternate letter for <i>arda</i>	<b>u</b>	Ʒ
Alternate letter for <i>HW</i>	<b>alt/0191</b>	λ

Alternate letter for <i>MH</i>	<b>y</b>	Ʒ
Alternate letter for <i>hwesta</i>	<b>&lt;</b>	Ʒ

### Standard carriers for compatibility only:

Short vowel carrier	<b>`</b>	ǀ
---------------------	----------	---

Long vowel carrier	<b>~</b>	ǀ
--------------------	----------	---

### Additional Tetha symbols:

Superscript <i>úre</i>	<b>#</b>	ǀ̇	<b>E</b>	ǀ̇	<b>D</b>	ǀ̇	<b>C</b>	ǀ̇
Narrow over-twist	<b>\$</b>	ǀ̄	<b>R</b>	ǀ̄	<b>F</b>	ǀ̄	<b>V</b>	ǀ̄
Superscript <i>yanta</i>	<b>%</b>	ǀ̂	<b>T</b>	ǀ̂	<b>G</b>	ǀ̂	<b>B</b>	ǀ̂
Over-breve	<b>^</b>	ǀ̆	<b>Y</b>	ǀ̆	<b>H</b>	ǀ̆	<b>N</b>	ǀ̆
Swash curl for <i>hyarmen</i>	<b>}</b>	Ʒ̣						

### Final notes:

Keystrokes with alt key shown above may not work correctly under non-Windows operating systems because of differences between their keyboards. Nevertheless, it should be still possible to use "insert -> special chars".