

# 1 Tengwar Formal Unicode: Graphite and AAT options

Here are samples of the different options. The options are specified by adding something to the font name in the `\font` command. The extended font names are all given in this document. A font specification will look like this:

```
\font\bla="font (/GR):feature=value (;feature=value) "
```

In this specification, the part `bla` is a string of your choice. The part `/GR` is optional. It tells XeTeX to use the Graphite information. If you leave it away, it will use the AAT information (though AAT may only work on Mac OS X). Note that you can define as many features as you like:

```
\font\myformal="Tengwar Formal Unicode/GR:204=1;207=2"
at 15pt
```

After this `\font` command has been defined, you can use `\myformal` as a command, for instance as follows:

```
\myformal ᐅᐅᐅᐅ ᐅᐅᐅᐅᐅ \normalfont
```

This will look like this: ᐅᐅᐅᐅ ᐅᐅᐅᐅᐅ

## 1.1 Descending W-tengwa

### 1.1.1 Default

```
"Tengwar Formal Unicode/GR"
ᐅᐅᐅᐅ ᐅᐅᐅᐅᐅ
"Tengwar Formal Unicode"
ᐅᐅᐅᐅ ᐅᐅᐅᐅᐅ
```

### 1.1.2 Descending W-tengwa

```
"Tengwar Formal Unicode/GR:204=1"
ᐅᐅᐅᐅ ᐅᐅᐅᐅᐅ
"Tengwar Formal Unicode:Character Alternatives=Descending
W-tengwa;"
ᐅᐅᐅᐅ ᐅᐅᐅᐅᐅ
```

## 1.2 Short carrier insertion

### 1.2.1 Default

"Tengwar Formal Unicode/GR"

ᑭᑦ ᑭᑦ ᑭᑦ ᑭᑦ ᑭᑦ ᑭᑦ ᑭᑦ

"Tengwar Formal Unicode"

ᑭᑦ ᑭᑦ ᑭᑦ ᑭᑦ ᑭᑦ ᑭᑦ ᑭᑦ

### 1.2.2 Automatic insertion

"Tengwar Formal Unicode/GR:206=1"

ᑭᑦ ᑭᑦ ᑭᑦ ᑭᑦ ᑭᑦ ᑭᑦ ᑭᑦ

"Tengwar Formal Unicode:Short carrier insertion=Automatic  
insertion;"

ᑭᑦ ᑭᑦ ᑭᑦ ᑭᑦ ᑭᑦ ᑭᑦ ᑭᑦ

## 1.3 Marked Osse

### 1.3.1 Default: Never

"Tengwar Formal Unicode/GR"

cᑭᑦ

"Tengwar Formal Unicode"

cᑭᑦ

### 1.3.2 Word final

"Tengwar Formal Unicode/GR:207=1"

cᑭᑦ

"Tengwar Formal Unicode:Marked Osse=Word final"

cᑭᑦ

### 1.3.3 Always

"Tengwar Formal Unicode/GR:207=2"

cᑭᑦ

"Tengwar Formal Unicode:Marked Osse=Always"

cᑭᑦ

## 1.4 Bar style

### 1.4.1 Default: Straight

"Tengwar Formal Unicode/GR"

ပုံစံအမျိုးမျိုး

"Tengwar Formal Unicode"

ပုံစံအမျိုးမျိုး

### 1.4.2 Tilde

"Tengwar Formal Unicode/GR:209=1"

ပြည်ထောင်စု

"Tengwar Formal Unicode:Bar style=Tilde"

ပြည်ထောင်စု

## 1.5 A-tehta style

### 1.5.1 Default: Dots

"Tengwar Formal Unicode/GR"

pp

"Tengwar Formal Unicode"

ᐃᐃ

### 1.5.2 Circumflex

"Tengwar Formal Unicode/GR:210=1"

pp

"Tengwar Formal Unicode:A-tehta style=Circumflex"

 $\hat{p}\hat{p}$ 

## 1.6 Sa-rince style

### 1.6.1 Default: Hook

"Tengwar Formal Unicode/GR"

ԲԿԲԻՇԱՆՆԵՐ:

"Tengwar Formal Unicode"

ԲՐԵՐՇԱՆՆԵՐ:

### 1.6.2 Swash

"Tengwar Formal Unicode/GR:211=1"

የጋራ ጥራት

"Tengwar Formal Unicode:Sa-rince style=Swash"

የጋራ ጥራት ማረጋገጫ

## 2 Sample Text

## 2.1 Graphite

[illegible]

## 2.2 AAT

[illegible]

[illegible]

𐀀	𐀁	𐀂	𐀃	𐀄	𐀅	𐀆	𐀇	𐀈	𐀉	𐀊	𐀋	𐀌	𐀍	𐀎	𐀏	𐀐	𐀑	𐀒	𐀓	𐀔	𐀕	𐀖	𐀗	𐀘	𐀙	𐀚	𐀛	𐀜	𐀝	𐀞	𐀟	𐀠	𐀡	𐀢	𐀣	𐀤	𐀥	𐀦	𐀧	𐀨	𐀩	𐀪	𐀫	𐀬	𐀭	𐀮	𐀯	𐀰	𐀱	𐀲	𐀳	𐀴	𐀵	𐀶	𐀷	𐀸	𐀹	𐀺	𐀻	𐀼	𐀽	𐀾	𐀿	𐁀	𐁁	𐁂	𐁃	𐁄	𐁅	𐁆	𐁇	𐁈	𐁉	𐁊	𐁋	𐁌	𐁍	𐁎	𐁏	𐁐	𐁑	𐁒	𐁓	𐁔	𐁕	𐁖	𐁗	𐁘	𐁙	𐁚	𐁛	𐁜	𐁝	𐁞	𐁟	𐁠	𐁡	𐁢	𐁣	𐁤	𐁥	𐁦	𐁧	𐁨	𐁩	𐁪	𐁫	𐁬	𐁭	𐁮	𐁯	𐁰	𐁱	𐁲	𐁳	𐁴	𐁵	𐁶	𐁷	𐁸	𐁹	𐁺	𐁻	𐁼	𐁽	𐁾	𐁿	𐂀	𐂁	𐂂	𐂃	𐂄	𐂅	𐂆	𐂇	𐂈	𐂉	𐂊	𐂋	𐂌	𐂍	𐂎	𐂏	𐂐	𐂑	𐂒	𐂓	𐂔	𐂕	𐂖	𐂗	𐂘	𐂙	𐂚	𐂛	𐂜	𐂝	𐂞	𐂟	𐂠	𐂡	𐂢	𐂣	𐂤	𐂥	𐂦	𐂧	𐂨	𐂩	𐂪	𐂫	𐂬	𐂭	𐂮	𐂯	𐂰	𐂱	𐂲	𐂳	𐂴	𐂵	𐂶	𐂷	𐂸	𐂹	𐂺	𐂻	𐂼	𐂽	𐂾	𐂿	𐃀	𐃁	𐃂	𐃃	𐃄	𐃅	𐃆	𐃇	𐃈	𐃉	𐃊	𐃋	𐃌	𐃍	𐃎	𐃏	𐃐	𐃑	𐃒	𐃓	𐃔	𐃕	𐃖	𐃗	𐃘	𐃙	𐃚	𐃛	𐃜	𐃝	𐃞	𐃟	𐃠	𐃡	𐃢	𐃣	𐃤	𐃥	𐃦	𐃧	𐃨	𐃩	𐃪	𐃫	𐃬	𐃭	𐃮	𐃯	𐃰	𐃱	𐃲	𐃳	𐃴	𐃵	𐃶	𐃷	𐃸	𐃹	𐃺	𐃻	𐃼	𐃽	𐃾	𐃿	𐄀	𐄁	𐄂	𐄃	𐄄	𐄅	𐄆	𐄇	𐄈	𐄉	𐄊	𐄋	𐄌	𐄍	𐄎	𐄏	𐄐	𐄑	𐄒	𐄓	𐄔	𐄕	𐄖	𐄗	𐄘	𐄙	𐄚	𐄛	𐄜	𐄝	𐄞	𐄟	𐄠	𐄡	𐄢	𐄣	𐄤	𐄥	𐄦	𐄧	𐄨	𐄩	𐄪	𐄫	𐄬	𐄭	𐄮	𐄯	𐄰	𐄱	𐄲	𐄳	𐄴	𐄵	𐄶	𐄷	𐄸	𐄹	𐄺	𐄻	𐄼	𐄽	𐄾	𐄿	𐅀	𐅁	𐅂	𐅃	𐅄	𐅅	𐅆	𐅇	𐅈	𐅉	𐅊	𐅋	𐅌	𐅍	𐅎	𐅏	𐅐	𐅑	𐅒	𐅓	𐅔	𐅕	𐅖	𐅗	𐅘	𐅙	𐅚	𐅛	𐅜	𐅝	𐅞	𐅟	𐅠	𐅡	𐅢	𐅣	𐅤	𐅥	𐅦	𐅧	𐅨	𐅩	𐅪	𐅫	𐅬	𐅭	𐅮	𐅯	𐅰	𐅱	𐅲	𐅳	𐅴	𐅵	𐅶	𐅷	𐅸	𐅹	𐅺	𐅻	𐅼	𐅽	𐅾	𐅿	𐆀	𐆁	𐆂	𐆃	𐆄	𐆅	𐆆	𐆇	𐆈	𐆉	𐆊	𐆋	𐆌	𐆍	𐆎	𐆏	𐆐	𐆑	𐆒	𐆓	𐆔	𐆕	𐆖	𐆗	𐆘	𐆙	𐆚	𐆛	𐆜	𐆝	𐆞	𐆟	𐆠	𐆡	𐆢	𐆣	𐆤	𐆥	𐆦	𐆧	𐆨	𐆩	𐆪	𐆫	𐆬	𐆭	𐆮	𐆯	𐆰	𐆱	𐆲	𐆳	𐆴	𐆵	𐆶	𐆷	𐆸	𐆹	𐆺	𐆻	𐆼	𐆽	𐆾	𐆿	𐇀	𐇁	𐇂	𐇃	𐇄	𐇅	𐇆
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1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89</											



𐤀	𐤁	𐤂	𐤃	𐤄	𐤅	𐤆	𐤇	𐤈	𐤉	𐤊	𐤋	𐤌	𐤍	𐤎	𐤏	𐤐	𐤑	𐤒	𐤓	𐤔	𐤕	𐤖	𐤗	𐤘	𐤙	𐤚	𐤛	𐤜	𐤝	𐤞	𐤟	𐤠	𐤡	𐤢	𐤣	𐤤	𐤥	𐤦	𐤧	𐤨	𐤩	𐤪	𐤫	𐤬	𐤭	𐤮	𐤯	𐤰	𐤱	𐤲	𐤳	𐤴	𐤵	𐤶	𐤷	𐤸	𐤹	𐤺	𐤻	𐤼	𐤽	𐤾	𐤿	𐥀	𐥁	𐥂	𐥃	𐥄	𐥅	𐥆	𐥇	𐥈	𐥉	𐥊	𐥋	𐥌	𐥍	𐥎	𐥏	𐥐	𐥑	𐥒	𐥓	𐥔	𐥕	𐥖	𐥗	𐥘	𐥙	𐥚	𐥛	𐥜	𐥝	𐥞	𐥟	𐥠	𐥡	𐥢	𐥣	𐥤	𐥥	𐥦	𐥧	𐥨	𐥩	𐥪	𐥫	𐥬	𐥭	𐥮	𐥯	𐥰	𐥱	𐥲	𐥳	𐥴	𐥵	𐥶	𐥷	𐥸	𐥹	𐥺	𐥻	𐥼	𐥽	𐥾	𐥿	𐦀	𐦁	𐦂	𐦃	𐦄	𐦅	𐦆	𐦇	𐦈	𐦉	𐦊	𐦋	𐦌	𐦍	𐦎	𐦏	𐦐	𐦑	𐦒	𐦓	𐦔	𐦕	𐦖	𐦗	𐦘	𐦙	𐦚	𐦛	𐦜	𐦝	𐦞	𐦟	𐦠	𐦡	𐦢	𐦣	𐦤	𐦥	𐦦	𐦧	𐦨	𐦩	𐦪	𐦫	𐦬	𐦭	𐦮	𐦯	𐦰	𐦱	𐦲	𐦳	𐦴	𐦵	𐦶	𐦷	𐦸	𐦹	𐦺	𐦻	𐦼	𐦽	𐦾	𐦿	𐧀	𐧁	𐧂	𐧃	𐧄	𐧅	𐧆	𐧇	𐧈	𐧉	𐧊	𐧋	𐧌	𐧍	𐧎	𐧏	𐧐	𐧑	𐧒	𐧓	𐧔	𐧕	𐧖	𐧗	𐧘	𐧙	𐧚	𐧛	𐧜	𐧝	𐧞	𐧟	𐧠	𐧡	𐧢	𐧣	𐧤	𐧥	𐧦	𐧧	𐧨	𐧩	𐧪	𐧫	𐧬	𐧭	𐧮	𐧯	𐧰	𐧱	𐧲	𐧳	𐧴	𐧵	𐧶	𐧷	𐧸	𐧹	𐧺	𐧻	𐧼	𐧽	𐧾	𐧿	𐨀	𐨁	𐨂	𐨃	𐨄	𐨅	𐨆	𐨇	𐨈	𐨉	𐨊	𐨋	𐨌	𐨍	𐨎	𐨏	𐨐	𐨑	𐨒	𐨓	𐨔	𐨕	𐨖	𐨗	𐨘	𐨙	𐨚	𐨛	𐨜	𐨝	𐨞	𐨟	𐨠	𐨡	𐨢	𐨣	𐨤	𐨥	𐨦	𐨧	𐨨	𐨩	𐨪	𐨫	𐨬	𐨭	𐨮	𐨯	𐨰	𐨱	𐨲	𐨳	𐨴	𐨵	𐨶	𐨷	𐨸	𐨹	𐨺	𐨻	𐨼	𐨽	𐨾	𐨿	𐩀	𐩁	𐩂	𐩃	𐩄	𐩅	𐩆	𐩇	𐩈	𐩉	𐩊	𐩋	𐩌	𐩍	𐩎	𐩏	𐩐	𐩑	𐩒	𐩓	𐩔	𐩕	𐩖	𐩗	𐩘	𐩙	𐩚	𐩛	𐩜	𐩝	𐩞	𐩟	𐩠	𐩡	𐩢	𐩣	𐩤	𐩥	𐩦	𐩧	𐩨	𐩩	𐩪	𐩫	𐩬	𐩭	𐩮	𐩯	𐩰	𐩱	𐩲	𐩳	𐩴	𐩵	𐩶	𐩷	𐩸	𐩹	𐩺	𐩻	𐩼	𐩽	𐩾	𐩿	𐪀	𐪁	𐪂	𐪃	𐪄	𐪅	𐪆	𐪇	𐪈	𐪉	𐪊	𐪋	𐪌	𐪍	𐪎	𐪏	𐪐	𐪑	𐪒	𐪓	𐪔	𐪕	𐪖	𐪗	𐪘	𐪙	𐪚	𐪛	𐪜	𐪝	𐪞	𐪟	𐪠	𐪡	𐪢	𐪣	𐪤	𐪥	𐪦	𐪧	𐪨	𐪩	𐪪	𐪫	𐪬	𐪭	𐪮	𐪯	𐪰	𐪱	𐪲	𐪳	𐪴	𐪵	𐪶	𐪷	𐪸	𐪹	𐪺	𐪻	𐪼	𐪽	𐪾	𐪿	𐫀	𐫁	𐫂	𐫃	𐫄	𐫅	𐫆
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