Greek diacritics with standard accent macros

lgrxenc.def is a comprehensive font encoding definition file. Diacritics can be input using an extension of the standard macro commands. Composite diacritics are input as backslash followed by the LGR transliteration.¹

The example in greek-usage.pdf:

Τί φήις; Ίδὼν ἐνθέδε παῖδ' ἐλευθέραν τὰς πλησίον Νύμφας στεφανοῦσαν, Σώστρατε, ἐρῶν ἀπῆλθες εὐθύς;

is input as

```
T\'i f\'hic? \<Id\'wn \>enj\'ede pa\~id''
\>eleuj\'eran t\'ac plhs\'ion N\'umfac stefano\~usan,
S\'wstrate, \>er\~wn \'ap\~hljec e\>uj\'uc?
```

Improvements:

Accents can be placed on any character:²
 ²
 ²
 ²
 ³
 ⁴
 ⁵
 ⁶
 ⁴
 ⁹
 ²
 ²

• Kerning is preserved		roman	italic	cbleipzig
	accent macro:	αὐτός	αὐτός	$a v \tau \delta \varsigma$
	transliteration:	αὐτός	αὐτός	$a v \tau \delta \varsigma$

Kerning only works with pre-composed glyphs: $A\ddot{\Upsilon}A \rightarrow A\tilde{\Upsilon}A$ (like in any font encoding: $AVA \rightarrow A\tilde{V}A$).

• Following Greek typesetting convention, diacritics (except the dialytika) are placed to the left of capital letters and and dropped by \MakeUppercase:

άντροπος → ΑΝΤΡΟΠΟΣ, ἄντροπος → ΑΝΤΡΟΠΟΣ, Αχιλλέας → ΑΧΙΛΛΕΑΣ, Άχιλλεύς → ΑΧΙΛΛΕΥΣ.

The dialytika is printed even in cases where it's not needed in lowercase:

άυλος \mapsto ΑΫ́ΛΟΣ,
 ἄυλος \mapsto ΑΫ́ΛΟΣ³ μάινα \mapsto ΜΑΪΝΑ,
 κέιχ, \mapsto ΚΕΪΚ, ἀυπνία \mapsto ΑΫ́ΠΝΙΑ.

Composite diacritics can be specified as backslash + LGR transliteration⁴ or combined accent macros, e. g. $\tilde{\alpha}$ can be written as

 $\ \ a, \ a, \ a, \ a, \ a$

Accent macros can start with a instead of h when the short form is redefined, e.g. inside a *tabbing* environment. This works also for the new-defined Dasia and Psili shortcuts (becoming a < and a>):

Τί φήις; Τί φήις; Ίδὼν ἐνθέδε παῖδ

¹This makes it easy to follow the advise in *teubner-doc*: "typeset your paper with the regular accent vowel ligatures and $[\ldots]$ substitute them in the final revision with the accented vowel macros only in those instances where the lack of kerning is disturbing".

²Babel's *polutonikogreek* option re-defines $\langle even for Latin with \langle textlatin \rangle$. This document reverts the babel definition in the preamble to make the tilde/perispomeni-accent work as usual in both, English ($\nu v \tilde{v} \tilde{o}$ nin \tilde{o}) and Greek ($\nu v \tilde{v} \tilde{o}$ nin \tilde{o}).

 $^{^3}$ Fails if written as >' in polutonikogreek (which changes the <code>\uccode</code> of <code>\>): </code> ăulo
c \mapsto AYAOS

⁴However, \MakeUppercase fails, if a non-escaped tilde character (like in $\geq a$) is used in a document which does not define the *greek* or *polutonikogreek* language.