

IPA14DE

Consonants

	Bilabial	Labio-dental	Dental	Alveolar	Post-alveolar	Retroflex	Palatal	Velar	Uvular	Pharyngeal	Glottal
Plosive	p p b b			t t d d		ʈ <t ɖ <d	c c ɟ =j	k k g <g	q q ɢ =G		ʔ =?
Nasal	m m	ɱ >m		n n		ɳ <n	ɲ =n	ŋ >n	ɴ =N		
Trill	ʙ =B			r r					ʀ =R		
Tap or Flap		ⱱ <v		ɾ >r		ɽ <r					
Fricative	ɸ =f β =b	f f v v	θ =t ð =d	s s z z	ʃ =s ʒ =z	ʂ <s ʐ <z	ç =c j <j	x x ɣ =g	χ =x ʁ >R	ħ >h ʕ <?	h h ɦ <h
Lateral Fricative				ɬ =l ɮ >l							
Approximant		ʋ =v		ɹ =r		ɻ <R	j j	ɰ >w			
Lateral Approximant				ɭ l		ɮ <l	ʎ <L	ʟ =L			

Where symbols appear in pairs, the bottom one represents a voiced consonant. Shaded areas denote articulations judged impossible.

Other Consonants

Clicks	Voiced implosives
◌ ɸ =p Bilabial	◌ ɓ >b Bilabial
◌ <! Dental	◌ ɗ >d Dental/alveolar
◌ ! ! (Post)alveolar	◌ ɟ >j Palatal
◌ ‡ >! Palatoalveolar	◌ ɡ >g Velar
◌ =! Alveolar lateral	◌ ɠ >G Uvular

Other Symbols

◌ ʍ =w Vɪ labial-velar fricative	◌ ɕ <c Vd alveolo-palatal fricative
◌ ɰ w Vd labial-velar approximant	◌ ʑ >z Vd alveolo-palatal fricative
◌ ɥ <y or =h Vd labial-palatal approximant	◌ ɭ >L Vd alveolar lateral flap
◌ ʜ =H Vɪ epiglottal fricative	◌ ɦ >H Simultaneous ʃ and x
◌ ʕ <Q Vd epiglottal fricative	
◌ ʔ =Q Vd epiglottal plosive	

Vowels

	Front		Central		Back	
	Unrounded	Rounded	Unrounded	Rounded	Unrounded	Rounded
Close	ɪ i	ʏ y	ɨ =I	ʉ =U	ɯ =u	ʊ u
Near-close	ɪ =i	ʏ =y				ʊ <u
Close-mid	e e	ø >o	ɘ =E	ɵ =O	ɤ >O	o o
Mid			ɘ =e			
Open-mid	ɛ <e	œ <E	ɜ >e	ɞ <O	ʌ >u	ɔ <o
Near-open	æ <a		ɐ >a			
Open	a a	ɶ >E			ɑ =a	ɒ =o

Suprasegmentals

◌ ˈ >	Primary stress
◌ ˌ <	Secondary stress
◌ eː = :	Long
◌ e˞ < :	Half long
◌ eːː = : = :	Extra long
◌ ẽ @ *	Extra short
◌ < .	Minor (foot) group
◌ = .	Major (intonation) group
◌ .	Syllable break
◌ ˘ = #	Linking (absence of a break)

IPA14DE

Other (non-IPA) Vowels

æ	>A	α	a	open central unrounded vowel
ɪ	i	Λ	A	open central unrounded
ɨ	>I	ɿ	z	unrounded alveolar apical
ɤ	<I	ɺ	Z	unrounded retroflex apical
ɥ	>U	ɹ	y	rounded alveolar apical
ɯ	u	ɻ	Y	rounded retroflex apical
ɛ	E			
ə	e			

Tone and Word accents

Level ¹				Contour ²			
ǀ	# 4	ě @ 4	Extra high	ǁ	# 0 # 4	ě @ 5	Rising
ǂ	# 3	é @ 3	High	ǃ	# 4 # 0	ê @ ^	Falling
Ǆ	# 2	ē @ 2	Mid	ǅ	# 2 # 4	ě @ 6	High rising
ǆ	# 1	è @ 1	Low	Ǉ	# 1 # 2	ě @ 7	Low rising
ǈ	# 0	è @ 0	Extra low	ǉ	# 1 # 4 # 1	ě @ [Rising-falling
		↓ # [Downstep			ě @ 8	Low falling
		↑ #]	Upstep			ê @ 9	High falling
		! ^ !	Africanist downstep			ě @]	Falling-rising
		i # !	Africanist upstep (raised)			↗ # }	Global rise
		i @ !	Africanist upstep (lowered)			↘ # {	Global fall

Tone numbers and pitch contours (non-IPA)

— — — — —	=1 =2 =3 =4 =5 =6 =7 =8 =9	Level pitch contours from 1 to 9 ³
3	^3 (0-9)	superscript number
-	^-	superscript hyphen

Other (non-IPA) Symbols

ɕ	>c	ɥ	palatal implosive
ɖ	d		alveolo-palatal vd plosive
ɧ	h		vd pharyngeal nasal
ɕ	>k		ɥ velar implosive
ɭ	l		front-palatal vd lateral approximant
ɹ	n		front-palatal vd nasal
ɸ	>p		ɥ bilabial implosive
ɕ	>q		ɥ uvular implosive
ɹ	=s		ɥ retroflex postalveolar fricative
ɕ	>t		ɥ dental or alveolar implosive
ɭ	t		front-palatal ɥ plosive
ɿ	T		dental click
ɰ	<w		bilabial flap
ɹ	=z		ɥ retroflex postalveolar fricative
+	+		
∅	=0		Empty set
◌	>0		Diacritic “holder”

¹ Use “&” for Left-stem level tones, e.g. “&0” becomes A712 (ɿ).

² Glides to and from any level (e.g. “#3#2” becomes ɿ) and any sequence of any two glides (e.g. “#3#1#4” becomes ɿ).

³ These require the use of Charis SIL (<http://scripts.sil.org/CharisSIL>) or Doulos SIL (<http://scripts.sil.org/DoulosSIL>) version 4.1 or greater. They will turn into contours if used in Graphite applications.

IPA14DE

Diacritics & Suprasegmentals

k^h	$\wedge h$	Aspirated
t^w	$\wedge w$	Labialised
t^j	$\wedge j$	Palatalised
l^v	$\# g$	Velarised
t^x	$\# ?$	Pharyngealised
$^n k$	$\wedge n$	Pre/post nasalised
t^l	$\wedge l$	Lateral release
k'	$='$	Light aspiration
$e^{\text{̣}}$	$ [$	Rhoticity
t'	$>'$	Ejective
$t^{\text{̚}}$	$]$	No audible release
b'	$<'$	Weak aspiration
l	$\& $	Syllabic
\underline{a}	$\& *$	Non-syllabic
\underline{a}	$\& \sim$	Creaky voiced
$\text{̥} n$	$\& \%$	Voiceless
$\text{̚} s$	$\& 5$	Voiced
$\text{̚} s$	$\& ''$	Breathy voiced
$\text{̥} \eta$	$@ \%$	Voiceless (diacritics are sometimes placed above a symbol with a descender)
$\text{̥} \eta$	$@ $	Syllabic (diacritics are sometimes placed above a symbol with a descender)
$\text{̚} t$	$\& [$	Dental
$\text{̚} t$	$\&]$	Apical
$\text{̚} t$	$\& \{$	Laminal
$\text{̚} t$	$\& \}$	Linguolabial
$\text{̚} t$	$\& .$	Closer variety / Fricative
\tilde{e}	$@ \sim$	Nasalised
$\text{̥} e$	$@ ''$	Centralised
$\text{̥} e$	$@ +$	Mid centralised
$\text{̥} e$	$@ *$	Extra short
$\text{̥} e$	$@ .$	Palatalization/Centralization

$\text{̥} m$	$@ :$	
\overline{kp}	$\& \#$	Double articulation / affricate ⁴
\underline{ts}	$\& @$	Double articulation / affricate ⁵
$\text{̚} u$	$\& +$	Advanced
$\text{̚} i$	$\& _$	Retracted
$\text{̥} e$	$\& 6$	Raised
$\text{̥} e$	$\& 7$	Lowered
$\text{̥} e$	$\& 8$	+ATR
$\text{̥} e$	$\& 9$	-ATR
$\text{̥} e$	$\&)$	More rounded
$\text{̥} e$	$\& ($	Less rounded
$\text{̥} o$	$\& ,$	open vowel
$\text{̥} p$	$\& !$	Fortis
$\text{̥} p$	$\& \$$	Lenis
\rightarrow	$=>$	Becomes, is realized as
σ	$> s$	Syllable
$\text{̥} \sigma$	$=<$	Combining Grapheme Joiner

⁴ Typed between the characters. Thus $k\&\#p$.

⁵ Typed between the characters. Thus $t\&@s$.

IPA14DE

Superscripts

3	^3 (0-9)
(^(
)	^)
-	^-
+	^+
=	^=
a	^a
e	^A
ɑ	#a
ɒ	#A
æ	#b
æ	#B
b	^b
β	^B
c	^c
ç	^C
d	^d
ð	^D
e	^e
ə	^E
ɜ	#e
ɛ	#E
ə	#c
f	^f
φ	^F
g	^g
g	^G
Y	#g
h	^h
fi	^H
q	#Y
h	#h
i	^i

ı	^I
ı	#i
j	^j
i	^J
ʃ	#j
k	^k
l	^l
L	^L
l	#l
ʌ	#y
m	^m
ɱ	^M
n	^n
N	^N
ɲ	#J
ɳ	#n
ɳ	#N
o	^o
ɔ	^O
ə	#o
ø	#O
œ	#d
œ	#D
ɐ	#C
p	^p
r	^r
ʁ	^R
ɹ	#r
ɻ	#R
s	^s
ʂ	^S
ʃ	#s
t	^t

θ	#t
u	^u
ʊ	^U
ʉ	#u
v	^v
ʌ	^V
ʋ	#v
w	^w
ɰ	^W
ɱ	#m
x	^x
ɣ	^X
y	^y
ɣ	^Y
z	^z
ʐ	^Z
ʑ	#z
ʒ	#Z
ʔ	^?
ʕ	#?

Retroflex

a _ɻ	&a
a _ɻ	&A
ɖ _ɻ	&d
e _ɻ	&e
ɛ _ɻ	&E
ɖ _ɻ	&b
ɖ _ɻ	&B
i _ɻ	&i
ɖ _ɻ	&o
ɖ _ɻ	&s
u _ɻ	&u
ʐ _ɻ	&z

Palatal

ɸ	@b
ɸ	@d
ɸ	@f
ɸ	@g
ɸ	@k
ɸ	@l
ɸ	@m
ɸ	@n
ɸ	@p
ɸ	@r
ɸ	@s
ɸ	@S
ɸ	@v
ɸ	@x
ɸ	@z

Velarized (or pharyngealized)

ᵝ	~b
ᵞ	~d
ᵟ	~f
ᵠ	~l
ᵡ	~m
ᵣ	~n
ᵕ	~p
ᵞ	~r
ᵞ	~R
ᵞ	~s
ᵞ	~t
ᵞ	~z

IPA14DE

Normal/Normale



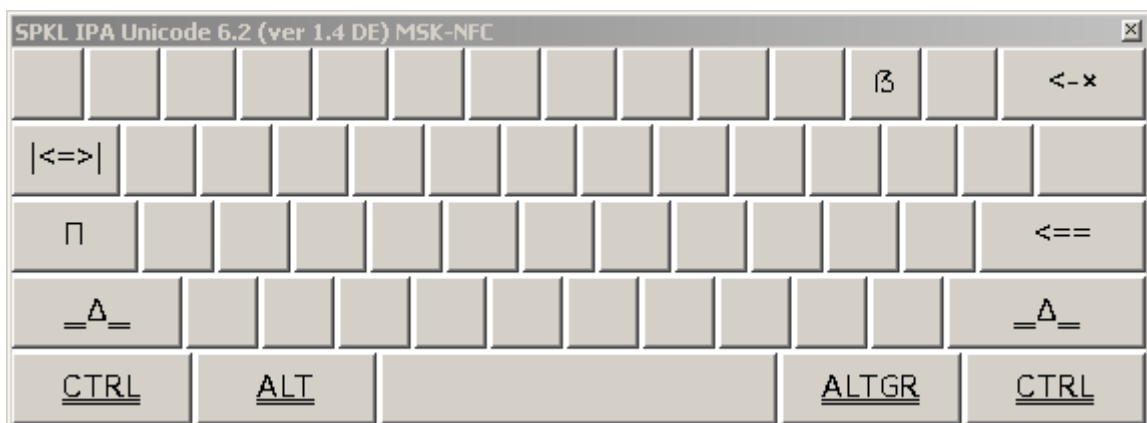
Shift/Maj



Ctrl + Alt | AltGr



Ctrl + Alt + Shift/Maj |
AltGr + Shift/Maj

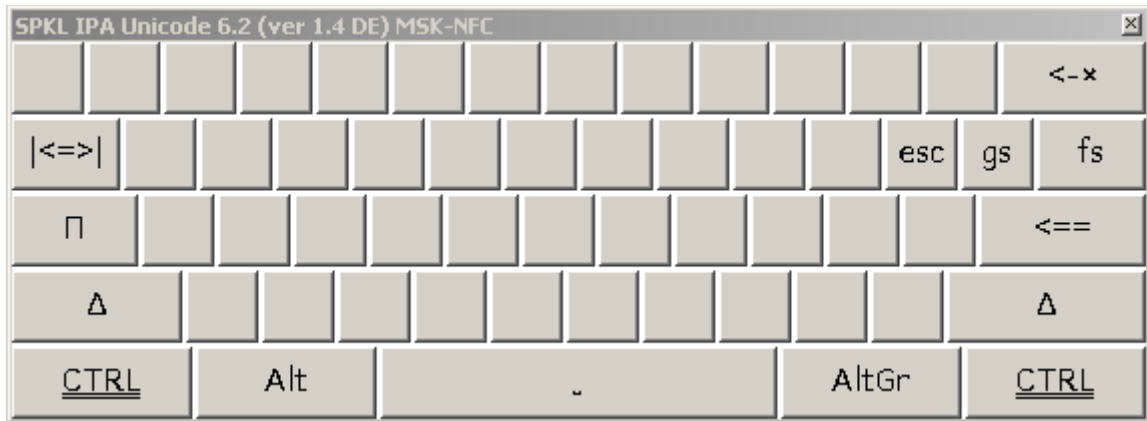


Les touches entouré par () sont les touches mortes. |

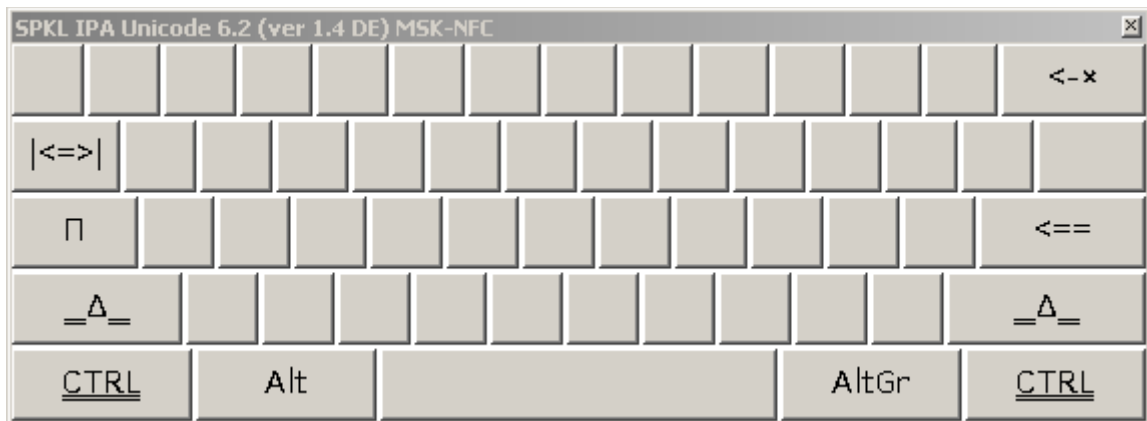
The keys surrounded by () are deadkeys. | As teclas rodeado por () são teclas mortas.

IPA14DE

Ctrl



Ctrl + Shift/Maj



Les touches entouré par () sont les touches mortes. |
 The keys surrounded by () are deadkeys. | As teclas rodeado por () são teclas mortas.