

IPA14FR

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	◌ ɺ >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
◌ ː = :	Long
◌ ˑ < :	Half long
◌ ːː = : = :	Extra long
◌ ˑ @ *	Extra short
◌ ˙ < .	Minor (foot) group
◌ ˘ = .	Major (intonation) group
◌ ˙ .	Syllable break
◌ ˘ = #	Linking (absence of a break)

IPA14FR

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	/	#0#4	ě @5	Rising
ǁ	#3	é @3	High	\	#4#0	ê @^	Falling
ǂ	#2	ē @2	Mid	ǀ	#2#4	ě @6	High rising
ǃ	#1	è @1	Low	ǁ	#1#2	ẽ @7	Low rising
Ǆ	#0	è @0	Extra low	ǂ	#1#4#1	ẽ @ [Rising-falling
	↓	# [Downstep			ẽ @8	Low falling
	↑	#]	Upstep			ê @9	High falling
	!	^ !	Africanist downstep			ẽ @]	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	ɗ	alveolo-palatal vd plosive
ɠ	h	ɡ	vd pharyngeal nasal
ɣ	>k	ɸ	vl velar implosive
ɮ	l	ɹ	front-palatal vd lateral approximant
ɳ	n	ɽ	front-palatal vd nasal
ɰ	>p	ɷ	vl bilabial implosive
ɸ	>q	ɹ	vl uvular implosive
ɻ	=s	ɺ	vl retroflex postalveolar fricative
ɽ	>t	ɿ	vl dental or alveolar implosive
ɿ	t	ɺ	front-palatal vl plosive
ɿ	T	ɿ	dental click
ɿ	<w	ɿ	bilabial flap
ɿ	=z	ɿ	vd 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.

IPA14FR

Diacritics & Suprasegmentals

k ^h	^h	Aspirated
t ^w	^w	Labialised
tʲ	^j	Palatalised
lʷ	#g	Velarised
tʕ	#ʔ	Pharyngealised
ᵐk	^n	Pre/post nasalised
tˡ	^l	Lateral release
kʰ	=ʰ	Light aspiration
ɐ̯	[Rhoticity
tʼ	>ʰ	Ejective
t̚]	No audible release
bʰ	<ʰ	Weak aspiration
l̩	&	Syllabic
ᵏ	& *	Non-syllabic
ᵑ	& ~	Creaky voiced
ᵑ̥	& %	Voiceless
ᵑ̚	& 5	Voiced
ᵑ̤	& ''	Breathy voiced
ᵑ̥̚	@ %	Voiceless (diacritics are sometimes placed above a symbol with a descender)
ᵑ̚̚	@	Syllabic (diacritics are sometimes placed above a symbol with a descender)
t̪	& [Dental
t̺	&]	Apical
t̻	& {	Laminal
t̼	& }	Linguolabial
ɮ	& .	Closer variety / Fricative
ẽ	@ ~	Nasalised
ë	@ ''	Centralised
ẽ	@ +	Mid centralised
ě	@ *	Extra short
è	@ .	Palatalization/Centralization

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

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

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

IPA14FR

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
ʒ	^Z
ʒ	#z
ʒ	#Z
ʔ	^?
ʔ	#?

Retroflex

ɻ	&a
ɻ	&A
ɻ	&d
ɻ	&e
ɻ	&E
ɻ	&b
ɻ	&B
ɻ	&i
ɻ	&o
ɻ	&s
ɻ	&u
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)

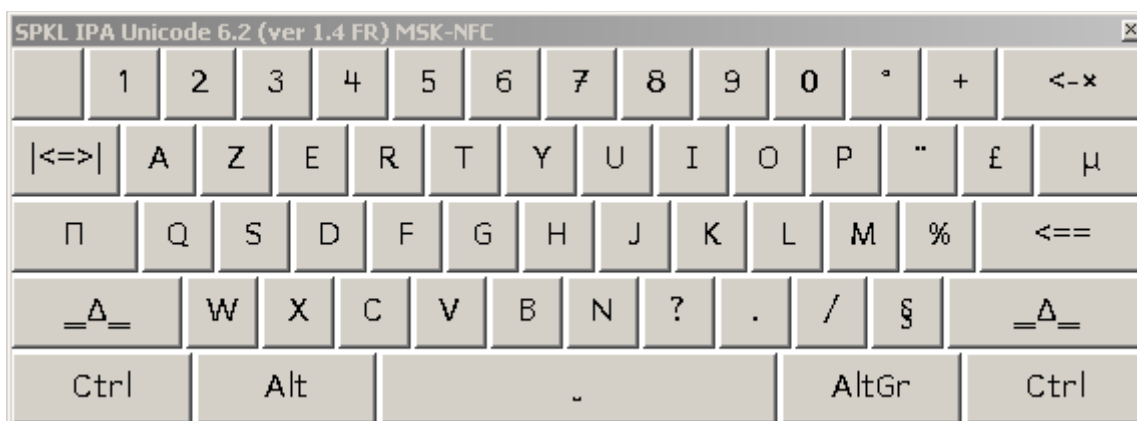
ɸ	~b
ɸ	~d
ɸ	~f
ɸ	~l
ɸ	~m
ɸ	~n
ɸ	~p
ɸ	~r
ɸ	~R
ɸ	~s
ɸ	~t
ɸ	~z

IPA14FR

Normal/Normale



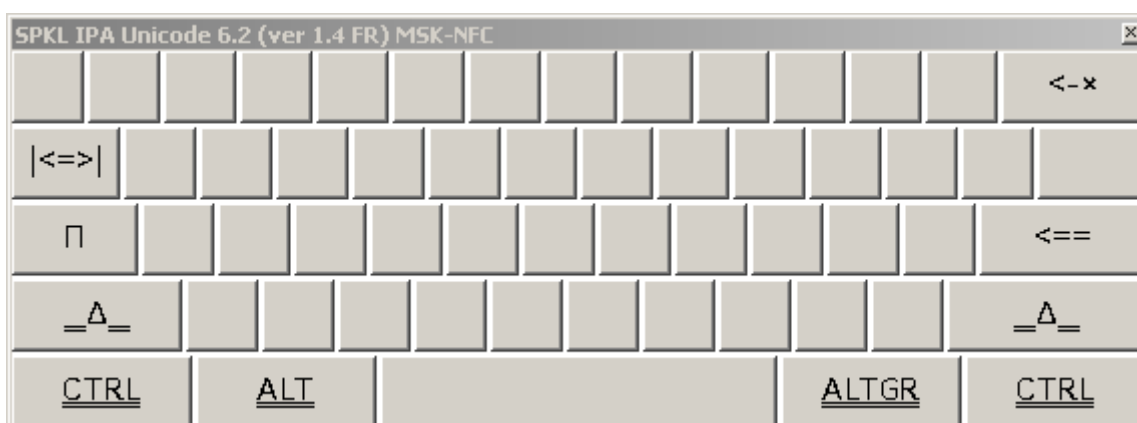
Shift/Maj



Ctrl + Alt | AltGr



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

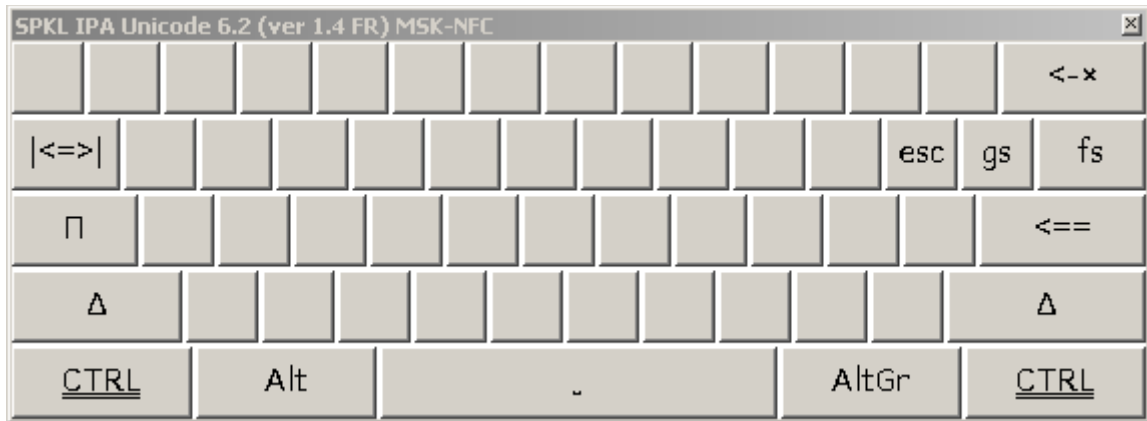


Les touches entouré par () sont les touches mortes. |

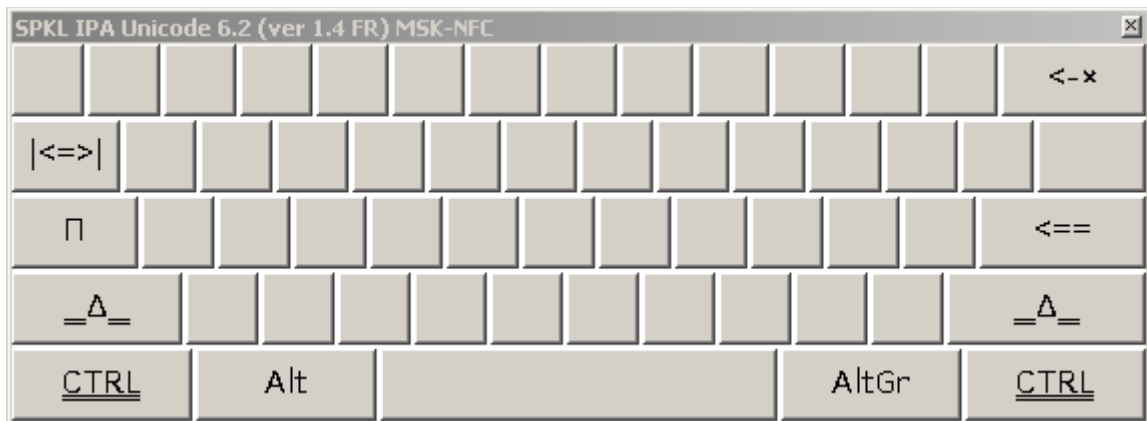
The keys surrounded by () are deadkeys. | As teclas rodeado por () são teclas mortas.

IPA14FR

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.