

IPA Keyboard Layout

The keyboard layout is described in terms of an IPA chart rather than a keyboard. This is because many base characters are typed as a sequence of a letter followed by one of <, >, = or | which are characters used to change a base character to another base character. Diacritics are typed as sequences of an appropriate key. Blue denotes non-IPA sanctioned phonetic symbols (they may be used by other traditions such as Americanist, Chinese or Russian).

	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 G =G		ʔ =?
Nasal	m m	ɱ >m		n n		ɳ <n	ɲ =n	ŋ >n	N =N		
Trill	B =B			r r					R =R		
Tap or Flap		ⱱ ^l <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							
Approximate		ʋ =v		ɹ =r		ɻ <R	j j	ɰ >w			
Lateral Approximate				ɭ l		ɻ <l	ʎ <L	L =L			

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

Clicks		Voiced implosives	
◌ =p Bilabial	◌ <! Dental	◌ >b Bilabial	◌ >d Dental/alveolar
◌ >! (Post)alveolar	◌ >! Palatoalveolar	◌ >j Palatal	◌ >g Velar
◌ =! Alveolar lateral		◌ >H Velar	◌ >G Uvular

Λ =w	Vl labial-velar fricative	ç <c	vd alveolo-palatal fricative
W w	Vd labial-velar approximant	ʐ >z	Vd alveolo-palatal fricative
ɥ <y or =h	Vd labial-palatal approximant	ɺ >L	Vd alveolar lateral flap
H =H	Vl epiglottal fricative	ɦ >H	Simultaneous and x
Ɔ <Q	Vd epiglottal fricative		
ʕ =Q	Vd epiglottal plosive		

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

◌ >	Primary stress
◌ <	Secondary stress
e: = :	Long
e' < :	Half long
e:: = :: = :	Extra long
ě @*	Extra short
◌ < .	Minor (foot) group
◌ = .	Major (intonation) group
◌ .	Syllable break
◌ = #	Linking (absence of a break)

æ >A	ɑ a open central unrounded vowel
ɪ i near-close near-front unrounded	ʌ ʌ open central unrounded
ɨ >I	ɺ z unrounded alveolar apical
ɥ <I lower-high central unrounded or high back unrounded	ɻ ʐ unrounded retroflex apical
ɥ >U high front rounded	ɣ y rounded alveolar apical
ʊ u near-close back rounded	ɻ ʐ rounded retroflex apical
E E mid front unrounded	
ə e open-mid front rounded	

ç	>c	vl palatal implosive
ɔ̟	d	alveolo-palatal vd plosive
ɦ	h	vd pharyngeal nasal
ƙ	>k	vl velar implosive
ɓ	l	front-palatal vd lateral approximate
ɲ	n	front-palatal vd nasal
ɸ	>p	vl bilabial implosive
ɗ	>q	vl uvular implosive
ʃ	=s	vl retroflex postalveolar fricative
ɸ	>t	vl dental or alveolar implosive
ɬ	t	front-palatal vl plosive
ɗ	T	dental click
w ⁷	<w	bilabial flap
ʒ	=z	vd retroflex postalveolar fricative
+	=+	

k ^h	^h	Aspirated
t ^w	^w	Labialised
t ^j	^j	Palatalised
l ^y	#g	Velarised
t ^ʔ	#?	Pharyngealised
ᵑk	^n	Pre/post nasalised
t ^l	^l	Lateral release
ɹ ^j	#ɹ	Other superscripts are available ⁸
k ^ʰ	=ʰ	Light aspiration
e	[Rhoticity
t ^ʼ	>ʼ	Ejective
t [̚]]	No audible release
b ^ʰ	<ʰ	Weak aspiration
l	&	Syllabic
̤	& *	Non-syllabic
̤	& ~	Creaky voiced
̤	symbol preceded by & e.g. & a	Retroflex hooks ⁹
̤	& %	Voiceless
̤	& 5	Voiced
̤	& ”	Breathy voiced
̤	symbol preceded by @ e.g. @ b	Palatal hooks ¹⁰
̤	@ %	Voiceless (diacritics are sometimes placed above a symbol with a descender)

̤	& [Dental
̤	&]	Apical
̤	& {	Laminal
̤	& }	Linguolabial
̤	& .	Closer variety / Fricative
̤	@ ~	Nasalised
̤	~ l	Velarized or pharyngealized ¹¹
̤	@ ”	Centralised
̤	@ +	Mid centralised
̤	@ *	Extra short
̤	@ .	Palatalization/Centralization
̤	@ :	
̤	& #	Double articulation / affricate ¹²
̤	& @	Double articulation / affricate ¹³
̤	& +	Advanced
̤	& _	Retracted
̤	& 6	Raised
̤	& 7	Lowered
̤	& 8	+ATR
̤	& 9	-ATR
̤	&)	More rounded
̤	& (Less rounded
̤	& ,	open vowel
̤	& !	Fortis
̤	& \$	Lenis
→	=>	Becomes, is realized as
σ	>S	Syllable

Level ²			Contour ³				
ɿ	#4	é @4	Extra high	ɿɿ	#0#4	ě @5	Rising
ɿ	#3	é @3	High	ɿɿ	#4#0	ê @^	Falling
ɿ	#2	ē @2	Mid	ɿɿ	#2#4	ě @6	High rising
ɿ	#1	è @1	Low	ɿɿ	#1#2	ě @7	Low rising
ɿ	#0	è @0	Extra low	ɿɿ	#1#4#1	ě @ [Rising-falling
						ê @8	Mid falling
						ē @9	Mid rising
						ě @]	Falling-rising
		ɿ4 # [Downstep			↗ # }	Global rise
		ɿ5 #]	Upstep			↘ # {	Global fall

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