

Phonetic Symbols

This is a list of the different ways of displaying phonetic symbols that may be needed by anyone describing Scots in text or HTML documents.

Downloadable zip-file of the GIF symbols at www.scots-online.org/airticles/ipa/ipagifs.zip

These small graphics can be pasted into text or HTML documents.

The unicode for including the symbols in HTML documents.

Unicode provides a unique number for every character, no matter what the platform, no matter what the program, no matter what the language.

More at www.unicode.org and www.phon.ucl.ac.uk/home/wells/ipa-unicode.htm

Sampa for use in ASCII based systems e.g. Email.

SAMPA (Speech Assessment Methods Phonetic Alphabet) is a machine-readable phonetic alphabet. It was originally developed under the ESPRIT project 1541, SAM (Speech Assessment Methods) in 1987-89 by an international group of phoneticians. More at www.phon.ucl.ac.uk/home/sampa/home.htm

As a font for text documents e.g. MS Word.

The SIL Encore IPA Fonts are a set of scalable IPA fonts containing the full International Phonetic Alphabet. More at www.sil.org and www.sil.org/computing/catalog/encore_ipa.html

In order to use the SIL IPA fonts in a text document select the font then press "SHIFT" and "NUMLK" (activates the number pad), release, and then while holding down "ALT" enter the number codes on the number pad keys. Deactivate the number pad (press "SHIFT" and "NUMLK" again) before resuming normal typing.

Sound files of the IPA symbols. Can be found at www.ling.hf.ntnu.no/ipa/full/

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Standard characters (a - z) can be typed as usual.

Vowels

| IPA Symbol | IPA Number | Description | Unicode | Sampa | SIL |
|------------|------------|------------------|---------|-------|-----|
| ə | 322 | Schwa | ə | @ | 171 |
| a | 304 | Lowercase A | a | a | 097 |
| ɑ | 305 | Cursive A | ɑ | A | 065 |
| ɒ | 313 | Turned Cursive A |  | 6 | 129 |

| | | | | | |
|---|---------|-------------------|--------------|---------|---------|
| æ | 325 | Ash Digraph | æ | { | 081 |
| e | 302 | Lowercase E | e | e | 101 |
| ε | 303 | Epsilon | ɛ | E | 069 |
| ɜ | 326 | Reversed Epsilon | ɜ | 3 | 206 |
| ɪ | 319 | Small Capital I | ɪ | ɪ | 073 |
| i | 301 | Lowercase I | i | i | 105 |
| o | 307 | Lowercase O | o | o | 111 |
| ø | 307+412 | Less Rounded O | o̜ | Q (o_c) | 111+055 |
| ɔ | 306 | Opened O/Turned C | ɔ | O | 141 |
| œ | 311 | O-E Digraph | œ | 9 | 191 |
| ø | 310 | Slashed O | ø | 2 | 079 |
| ø | 323 | Barred O | ɲ | 8 | 080 |
| y | 309 | Lowercase Y | y | y | 121 |
| Y | 320 | Small Capital Y | ʏ | Y | 089 |
| u | 308 | Lowercase U | u | u | 117 |
| ʌ | 314 | Turned V | ʌ | V | 195 |

Diphthongs

| IPA Symbol | IPA Number | Unicode | Sampa | SIL |
|------------|------------|--------------|-------|---------|
| ai | 304+301 | ai | ai | 097+105 |
| aɪ | 304+073 | aɪ | al | 097+073 |
| əi | 322+301 | əi | @i | 171+105 |
| æ | 305+302 | ɑe | Ae | 065+101 |
| ai | 313+301 | ɒi | 6i | 065+105 |
| ɛi | 303+301 | ɛi | Ei | 069+105 |
| ʌu | 314+308 | ʌu | Vu | 195+117 |
| əu | 322+308 | əu | @u | 171+117 |
| au | 304+308 | au | au | 097+117 |
| ɔe | 306+302 | ɔe | Oe | 141+101 |
| oe | 307+302 | oe | oe | 111+101 |
| oi | 307+301 | oi | oi | 111+105 |

Consonants

| IPA Symbol | IPA Number | Description | Unicode | Sampa | SIL |
|------------|------------|-------------|---------|-------|-----|
|------------|------------|-------------|---------|-------|-----|

Plosive

| | | | | | |
|---|-----|-------------|--------|---|-----|
| p | 101 | Lowercase P | p | p | 112 |
| b | 102 | Lowercase B | b | b | 098 |
| t | 103 | Lowercase T | t | t | 116 |
| d | 104 | Lowercase D | d | d | 100 |
| k | 109 | Lowercase K | k | k | 107 |
| g | 110 | Lowercase G | g | g | 103 |

Fricative

| | | | | | |
|---|-----|-------------|--------|----|-----|
| β | 127 | Beta | β | B | 066 |
| f | 128 | Lowercase F | f | f | 102 |
| φ | 126 | Phi | ɸ | p/ | 184 |
| v | 129 | Lowercase V | v | v | 118 |
| θ | 130 | Theta | θ | T | 084 |
| ð | 131 | Eth | ð | D | 068 |
| s | 132 | Lowercase S | s | s | 115 |
| z | 133 | Lowercase Z | z | z | 122 |
| ʃ | 134 | Esh | ʃ | S | 083 |
| ʒ | 135 | Yogh | ʒ | Z | 090 |
| h | 146 | Lowercase H | h | h | 104 |
| ç | 138 | C Cedilla | ç | C | 067 |
| x | 140 | Lowercase X | x | x | 120 |
| ʍ | 169 | Turned W | ʍ | W | 227 |

Affricate

| | | | | | |
|----|---------|-----|--------|----|---------|
| tʃ | 103+134 | Tch | ʧ | tS | 116+083 |
| dʒ | 104+135 | Dge | ʤ | dZ | 100+090 |

Nasal

| | | | | | |
|---|-----|-------------|--------|---|-----|
| m | 114 | Lowercase M | m | m | 109 |
| n | 116 | Lowercase N | n | n | 110 |
| ŋ | 119 | Eng | ŋ | N | 078 |
| ɲ | 118 | Left-Tail N | ɲ | J | 248 |

Approximant

| | | | | | |
|---|-----|-------------|--------|---|-----|
| w | 170 | Lowercase W | w | w | 119 |
|---|-----|-------------|--------|---|-----|

| | | | | | |
|---|-----|-------------|--------|----|-----|
| l | 155 | Lowercase L | l | l | 108 |
| j | 153 | Lowercase J | j | j | 106 |
| ɹ | 151 | Turned R | ɹ | ɹ\ | 168 |

Trill

| | | | | | |
|---|-----|-------------|--------|---|-----|
| r | 122 | Lowercase R | r | r | 114 |
|---|-----|-------------|--------|---|-----|

Glottal stop

| | | | | | |
|---|-----|--------------|--------|---|-----|
| ʔ | 113 | Glottal Stop | ʔ | ʔ | 047 |
|---|-----|--------------|--------|---|-----|

Diacritics Etc.

| IPA Symbol | IPA Number | Description | Unicode | Sampa | SIL |
|------------|------------|----------------------|---------|-------|-----|
| [| 901 | Left Square Bracket | [| [| 091 |
|] | 902 | Right Square Bracket |] |] | 093 |
| / | | Slash | | / | / |
| ˈ | 501 | (Primary) Stress | ˈ | " | 200 |
| ˌ | 502 | Secondary Stress | ˌ | % | 199 |
| ː | 503 | Length Marks | ː | : | 249 |
| ˑ | 504 | Half-length Mark | ˑ | :\ | 062 |
| h | 404 | Aspirated | ʰ | _h | 072 |
| ¨ | 415 | Centralised (Umlaut) | ̈ | " | 095 |
| ˘ | 412 | Less Rounded | ̜ | _c | 055 |