

## Phonetic Extensions

Range: 1D00–1D7F

### The Unicode Standard, Version 4.1

This file contains an excerpt from the character code tables and list of character names for *The Unicode Standard, Version 4.1*.

Characters in this chart that are new for The Unicode Standard, Version 4.1 are shown in conjunction with any existing characters. For ease of reference, the new characters have been highlighted in the chart grid and in the names list.

This file will not be updated with errata, or when additional characters are assigned to the Unicode Standard. See <http://www.unicode.org/charts/> for access to a complete list of the latest character code charts. See <http://www.unicode.org/Public/4.1.0/charts/> for a complete archived file of character code charts for Unicode 4.1.

### Disclaimer

These charts are provided as the on-line reference to the character contents of the Unicode Standard, Version 4.1 but do not provide all the information needed to fully support individual scripts using the Unicode Standard. For a complete understanding of the use of the characters contained in this excerpt file, please consult the appropriate sections of The Unicode Standard, Version 4.1, at <http://www.unicode.org/versions/Unicode4.1.0/>, including sections unchanged in The Unicode Standard, Version 4.0 (ISBN 0-321-18578-1), as well as Unicode Standard Annexes #9, #11, #14, #15, #24, #29, #31, and #34, the other Unicode Technical Reports and Standards, and the Unicode Character Database, which are available on-line.

See <http://www.unicode.org/ucd/> and <http://www.unicode.org/reports/>

A thorough understanding of the information contained in these additional sources is required for a successful implementation.

### Fonts

The shapes of the reference glyphs used in these code charts are not prescriptive. Considerable variation is to be expected in actual fonts. The particular fonts used in these charts were provided to the Unicode Consortium by a number of different font designers, who own the rights to the fonts.

See <http://www.unicode.org/charts/fonts.html> for a list.

### Terms of Use

You may freely use these code charts for personal or internal business uses only. You may not incorporate them either wholly or in part into any product or publication, or otherwise distribute them without express written permission from the Unicode Consortium. However, you may provide links to these charts.

The fonts and font data used in production of these Code Charts may NOT be extracted, or used in any other way in any product or publication, without permission or license granted by the typeface owner(s).

The Unicode Consortium is not liable for errors or omissions in this excerpt file or the standard itself. Information on characters added to the Unicode Standard since the publication of Version 4.1 as well as on characters currently being considered for addition to the Unicode Standard can be found on the Unicode web site.

See <http://www.unicode.org/pending/pending.html> and <http://www.unicode.org/alloc/Pipeline.html>.

Copyright © 1991-2005 Unicode, Inc. All rights reserved.

|   | 1D0       | 1D1       | 1D2       | 1D3       | 1D4       | 1D5       | 1D6       | 1D7        |
|---|-----------|-----------|-----------|-----------|-----------|-----------|-----------|------------|
| 0 | À<br>1D00 | Á<br>1D10 | Â<br>1D20 | Ä<br>1D30 | Å<br>1D40 | æ<br>1D50 | ø<br>1D60 | ŕ<br>1D70  |
| 1 | Æ<br>1D01 | Œ<br>1D11 | Ƶ<br>1D21 | Ǝ<br>1D31 | Ʊ<br>1D41 | ŋ<br>1D51 | χ<br>1D61 | Ɔ<br>1D71  |
| 2 | æ<br>1D02 | œ<br>1D12 | ƶ<br>1D22 | Ɛ<br>1D32 | Ʋ<br>1D42 | o<br>1D52 | i<br>1D62 | ƒ<br>1D72  |
| 3 | Ɓ<br>1D03 | Ɖ<br>1D13 | Ʒ<br>1D23 | Ɠ<br>1D33 | ɑ<br>1D43 | ɔ<br>1D53 | ɹ<br>1D63 | ƒ<br>1D73  |
| 4 | Ƈ<br>1D04 | æ<br>1D14 | ƹ<br>1D24 | Ƨ<br>1D34 | ɐ<br>1D44 | ˘<br>1D54 | u<br>1D64 | Ɔ<br>1D74  |
| 5 | Ɗ<br>1D05 | ɳ<br>1D15 | ƹ<br>1D25 | Ƨ<br>1D35 | ɑ<br>1D45 | ɔ<br>1D55 | v<br>1D65 | Ƨ<br>1D75  |
| 6 | Ɖ<br>1D06 | ˘<br>1D16 | Ɠ<br>1D26 | Ƨ<br>1D36 | æ<br>1D46 | p<br>1D56 | β<br>1D66 | Ɔ<br>1D76  |
| 7 | Ǝ<br>1D07 | ɔ<br>1D17 | Λ<br>1D27 | Ƨ<br>1D37 | b<br>1D47 | t<br>1D57 | γ<br>1D67 | Ɔ<br>1D77  |
| 8 | Ʒ<br>1D08 | Ɔ<br>1D18 | Π<br>1D28 | Ƨ<br>1D38 | d<br>1D48 | u<br>1D58 | ø<br>1D68 | Ƨ<br>1D78  |
| 9 | Ƨ<br>1D09 | Ɔ<br>1D19 | Ɔ<br>1D29 | Ƨ<br>1D39 | e<br>1D49 | ɔ<br>1D59 | ø<br>1D69 | Ɔ<br>1D79  |
| A | Ƨ<br>1D0A | Ɔ<br>1D1A | Ɔ<br>1D2A | Ƨ<br>1D3A | ə<br>1D4A | ɹ<br>1D5A | χ<br>1D6A | th<br>1D7A |
| B | Ƨ<br>1D0B | Ƨ<br>1D1B | Ƨ<br>1D2B | Ƨ<br>1D3B | ε<br>1D4B | v<br>1D5B | œ<br>1D6B | Ƨ<br>1D7B  |
| C | Ł<br>1D0C | U<br>1D1C | A<br>1D2C | O<br>1D3C | ɜ<br>1D4C | ɹ<br>1D5C | Ƨ<br>1D6C | Ƨ<br>1D7C  |
| D | M<br>1D0D | U<br>1D1D | Æ<br>1D2D | ɳ<br>1D3D | g<br>1D4D | β<br>1D5D | Ƨ<br>1D6D | Ƨ<br>1D7D  |
| E | Ƨ<br>1D0E | ü<br>1D1E | B<br>1D2E | P<br>1D3E | ı<br>1D4E | γ<br>1D5E | Ƨ<br>1D6E | Ƨ<br>1D7E  |
| F | O<br>1D0F | Ƨ<br>1D1F | B<br>1D2F | R<br>1D3F | k<br>1D4F | δ<br>1D5F | Ƨ<br>1D6F | Ƨ<br>1D7F  |

*These are non-IPA phonetic extensions, mostly for the Uralic Phonetic Alphabet (UPA).*

*The small capitals, superscript, and subscript forms are for phonetic representations where style variations are semantically important.*

*For general text, use regular Latin, Greek or Cyrillic letters with markup instead.*

### Latin letters

|      |   |   |
|------|---|---|
| 1D00 | À | LATIN LETTER SMALL CAPITAL A  |
| 1D01 | Æ | LATIN LETTER SMALL CAPITAL AE   |
| 1D02 | Ǽ | LATIN SMALL LETTER TURNED AE<br>• glyph can also have sideways orientation            |
| 1D03 | Ȑ | LATIN LETTER SMALL CAPITAL BARRED B   |
| 1D04 | Ĉ | LATIN LETTER SMALL CAPITAL C  |
| 1D05 | Ċ | LATIN LETTER SMALL CAPITAL D  |
| 1D06 | Ď | LATIN LETTER SMALL CAPITAL ETH  |
| 1D07 | Ē | LATIN LETTER SMALL CAPITAL E  |
| 1D08 | Ɔ | LATIN SMALL LETTER TURNED OPEN E  |
| 1D09 | İ | LATIN SMALL LETTER TURNED I   |
| 1D0A | Ĵ | LATIN LETTER SMALL CAPITAL J  |
| 1D0B | Ķ | LATIN LETTER SMALL CAPITAL K  |
| 1D0C | Ł | LATIN LETTER SMALL CAPITAL L WITH STROKE  |
| 1D0D | Ṁ | LATIN LETTER SMALL CAPITAL M  |
| 1D0E | Ț | LATIN LETTER SMALL CAPITAL REVERSED N   |
| 1D0F | Ō | LATIN LETTER SMALL CAPITAL O  |
| 1D10 | Ɔ | LATIN LETTER SMALL CAPITAL OPEN O   |
| 1D11 | ◌ | LATIN SMALL LETTER SIDEWAYS O   |
| 1D12 | ◌ | LATIN SMALL LETTER SIDEWAYS OPEN O  |
| 1D13 | ⓪ | LATIN SMALL LETTER SIDEWAYS O WITH STROKE   |
| 1D14 | Ǿ | LATIN SMALL LETTER TURNED OE<br>• glyph can also have sideways orientation            |
| 1D15 | Ȣ | LATIN LETTER SMALL CAPITAL OU   |
| 1D16 | ◌ | LATIN SMALL LETTER TOP HALF O   |
| 1D17 | ◌ | LATIN SMALL LETTER BOTTOM HALF O  |
| 1D18 | Ɔ | LATIN LETTER SMALL CAPITAL P<br>• represents a semi-voiced [p]                        |
| 1D19 | Ț | LATIN LETTER SMALL CAPITAL REVERSED R   |
| 1D1A | Ț | LATIN LETTER SMALL CAPITAL TURNED R   |
| 1D1B | Ț | LATIN LETTER SMALL CAPITAL T  |
| 1D1C | Ț | LATIN LETTER SMALL CAPITAL U  |
| 1D1D | Ț | LATIN SMALL LETTER SIDEWAYS U   |
| 1D1E | Ț | LATIN SMALL LETTER SIDEWAYS DIAERESIZED U<br>• glyph can also have turned orientation |
| 1D1F | Ț | LATIN SMALL LETTER SIDEWAYS TURNED M  |
| 1D20 | Ț | LATIN LETTER SMALL CAPITAL V  |
| 1D21 | Ț | LATIN LETTER SMALL CAPITAL W  |
| 1D22 | Ț | LATIN LETTER SMALL CAPITAL Z  |
| 1D23 | Ț | LATIN LETTER SMALL CAPITAL EZH  |
| 1D24 | Ț | LATIN LETTER VOICED LARYNGEAL SPIRANT   |
| 1D25 | Ț | LATIN LETTER AIN  |

### Greek letters

|      |   |   |
|------|---|---|
| 1D26 | Γ | GREEK LETTER SMALL CAPITAL GAMMA  |
| 1D27 | Λ | GREEK LETTER SMALL CAPITAL LAMDA  |
| 1D28 | Π | GREEK LETTER SMALL CAPITAL PI   |
| 1D29 | Ρ | GREEK LETTER SMALL CAPITAL RHO<br>• represents a voiceless uvular trill |
| 1D2A | Ψ | GREEK LETTER SMALL CAPITAL PSI  |

### Cyrillic letter

|      |   |   |
|------|---|---|
| 1D2B | Л | CYRILLIC LETTER SMALL CAPITAL EL<br>• in italic style, the glyph is obliqued, not italicized<br>→ 043B Л cyrillic small letter el |
|------|---|---|

### Latin superscript modifier letters

|      |   |  |
|------|---|--|
| 1D2C | ˆ | MODIFIER LETTER CAPITAL A<br>≈ <super> 0041 A          |
| 1D2D | ˆ | MODIFIER LETTER CAPITAL AE<br>≈ <super> 00C6 Æ         |
| 1D2E | ˆ | MODIFIER LETTER CAPITAL B<br>≈ <super> 0042 B          |
| 1D2F | ˆ | MODIFIER LETTER CAPITAL BARRED B                       |
| 1D30 | ˆ | MODIFIER LETTER CAPITAL D<br>≈ <super> 0044 D          |
| 1D31 | ˆ | MODIFIER LETTER CAPITAL E<br>≈ <super> 0045 E          |
| 1D32 | ˆ | MODIFIER LETTER CAPITAL REVERSED E<br>≈ <super> 018E Э |
| 1D33 | ˆ | MODIFIER LETTER CAPITAL G<br>≈ <super> 0047 G          |
| 1D34 | ˆ | MODIFIER LETTER CAPITAL H<br>≈ <super> 0048 H          |
| 1D35 | ˆ | MODIFIER LETTER CAPITAL I<br>≈ <super> 0049 I          |
| 1D36 | ˆ | MODIFIER LETTER CAPITAL J<br>≈ <super> 004A J          |
| 1D37 | ˆ | MODIFIER LETTER CAPITAL K<br>≈ <super> 004B K          |
| 1D38 | ˆ | MODIFIER LETTER CAPITAL L<br>≈ <super> 004C L          |
| 1D39 | ˆ | MODIFIER LETTER CAPITAL M<br>≈ <super> 004D M          |
| 1D3A | ˆ | MODIFIER LETTER CAPITAL N<br>≈ <super> 004E N          |
| 1D3B | ˆ | MODIFIER LETTER CAPITAL REVERSED N                     |
| 1D3C | ˆ | MODIFIER LETTER CAPITAL O<br>≈ <super> 004F O          |
| 1D3D | ˆ | MODIFIER LETTER CAPITAL OU<br>≈ <super> 0222 Ø         |
| 1D3E | ˆ | MODIFIER LETTER CAPITAL P<br>≈ <super> 0050 P          |
| 1D3F | ˆ | MODIFIER LETTER CAPITAL R<br>≈ <super> 0052 R          |
| 1D40 | ˆ | MODIFIER LETTER CAPITAL T<br>≈ <super> 0054 T          |
| 1D41 | ˆ | MODIFIER LETTER CAPITAL U<br>≈ <super> 0055 U          |
| 1D42 | ˆ | MODIFIER LETTER CAPITAL W<br>≈ <super> 0057 W          |
| 1D43 | ˆ | MODIFIER LETTER SMALL A<br>≈ <super> 0061 a            |

|      |   |  |
|------|---|--|
| 1D44 | ⱱ | MODIFIER LETTER SMALL TURNED A<br>≈ <sup> 0250 ⱱ   |
| 1D45 | Ⱳ | MODIFIER LETTER SMALL ALPHA<br>≈ <sup> 0251 Ⱳ  |
| 1D46 | ⱳ | MODIFIER LETTER SMALL TURNED AE<br>≈ <sup> 1D02 ⱳ  |
| 1D47 | ⱴ | MODIFIER LETTER SMALL B<br>≈ <sup> 0062 ⱴ  |
| 1D48 | Ⱶ | MODIFIER LETTER SMALL D<br>≈ <sup> 0064 Ⱶ  |
| 1D49 | ⱶ | MODIFIER LETTER SMALL E<br>≈ <sup> 0065 ⱶ  |
| 1D4A | ⱷ | MODIFIER LETTER SMALL SCHWA<br>≈ <sup> 0259 ⱷ  |
| 1D4B | ⱸ | MODIFIER LETTER SMALL OPEN E<br>≈ <sup> 025B ⱸ   |
| 1D4C | ⱹ | MODIFIER LETTER SMALL TURNED OPEN E<br>• more appropriate equivalence would be to 1D08 ⱹ<br>≈ <sup> 025C ⱹ |
| 1D4D | ⱺ | MODIFIER LETTER SMALL G<br>≈ <sup> 0067 ⱺ  |
| 1D4E | ⱻ | MODIFIER LETTER SMALL TURNED I   |
| 1D4F | ⱼ | MODIFIER LETTER SMALL K<br>≈ <sup> 006B ⱼ  |
| 1D50 | ⱽ | MODIFIER LETTER SMALL M<br>≈ <sup> 006D ⱽ  |
| 1D51 | Ȿ | MODIFIER LETTER SMALL ENG<br>≈ <sup> 014B Ȿ  |
| 1D52 | Ɀ | MODIFIER LETTER SMALL O<br>≈ <sup> 006F Ɀ  |
| 1D53 | Ⳁ | MODIFIER LETTER SMALL OPEN O<br>≈ <sup> 0254 Ⳁ   |
| 1D54 | ⳁ | MODIFIER LETTER SMALL TOP HALF O<br>≈ <sup> 1D16 ⳁ   |
| 1D55 | Ⳃ | MODIFIER LETTER SMALL BOTTOM HALF O<br>≈ <sup> 1D17 Ⳃ  |
| 1D56 | ⳃ | MODIFIER LETTER SMALL P<br>≈ <sup> 0070 ⳃ  |
| 1D57 | Ⳅ | MODIFIER LETTER SMALL T<br>≈ <sup> 0074 Ⳅ  |
| 1D58 | ⳅ | MODIFIER LETTER SMALL U<br>≈ <sup> 0075 ⳅ  |
| 1D59 | Ⳇ | MODIFIER LETTER SMALL SIDEWAYS U<br>≈ <sup> 1D1D Ⳇ   |
| 1D5A | ⳇ | MODIFIER LETTER SMALL TURNED M<br>≈ <sup> 026F ⳇ   |
| 1D5B | Ⳉ | MODIFIER LETTER SMALL V<br>≈ <sup> 0076 Ⳉ  |
| 1D5C | ⳉ | MODIFIER LETTER SMALL AIN<br>≈ <sup> 1D25 ⳉ  |

**Greek superscript modifier letters**

|      |    |  |
|------|----|--|
| 1D5D | β̣ | MODIFIER LETTER SMALL BETA<br>≈ <sup> 03B2 β̣        |
| 1D5E | γ̣ | MODIFIER LETTER SMALL GREEK GAMMA<br>≈ <sup> 03B3 γ̣ |
| 1D5F | δ̣ | MODIFIER LETTER SMALL DELTA<br>≈ <sup> 03B4 δ̣       |

|      |    |  |
|------|----|--|
| 1D60 | φ̣ | MODIFIER LETTER SMALL GREEK PHI<br>≈ <sup> 03C6 φ̣ |
| 1D61 | χ̣ | MODIFIER LETTER SMALL CHI<br>≈ <sup> 03C7 χ̣       |

**Latin subscript modifier letters**

|      |   |  |
|------|---|--|
| 1D62 | ᵢ | LATIN SUBSCRIPT SMALL LETTER I<br>≈ <sub> 0069 ᵢ |
| 1D63 | ᵣ | LATIN SUBSCRIPT SMALL LETTER R<br>≈ <sub> 0072 ᵣ |
| 1D64 | ᵤ | LATIN SUBSCRIPT SMALL LETTER U<br>≈ <sub> 0075 ᵤ |
| 1D65 | ᵥ | LATIN SUBSCRIPT SMALL LETTER V<br>≈ <sub> 0076 ᵥ |

**Greek subscript modifier letters**

|      |    |   |
|------|----|---|
| 1D66 | β̵ | GREEK SUBSCRIPT SMALL LETTER BETA<br>≈ <sub> 03B2 β̵  |
| 1D67 | γ̵ | GREEK SUBSCRIPT SMALL LETTER GAMMA<br>≈ <sub> 03B3 γ̵ |
| 1D68 | ρ̵ | GREEK SUBSCRIPT SMALL LETTER RHO<br>≈ <sub> 03C1 ρ̵   |
| 1D69 | φ̵ | GREEK SUBSCRIPT SMALL LETTER PHI<br>≈ <sub> 03C6 φ̵   |
| 1D6A | χ̵ | GREEK SUBSCRIPT SMALL LETTER CHI<br>≈ <sub> 03C7 χ̵   |

**Latin letter**

|      |   |                       |
|------|---|-----------------------|
| 1D6B | œ | LATIN SMALL LETTER UE |
|------|---|-----------------------|

**Latin letters with middle tilde**

*An additional letter with middle tilde is found in another block.*

|      |   |   |
|------|---|---|
|      |   | → 026B † latin small letter l with middle tilde     |
| 1D6C | ḃ | LATIN SMALL LETTER B WITH MIDDLE TILDE              |
| 1D6D | ḋ | LATIN SMALL LETTER D WITH MIDDLE TILDE              |
| 1D6E | ḑ | LATIN SMALL LETTER F WITH MIDDLE TILDE              |
| 1D6F | ḓ | LATIN SMALL LETTER M WITH MIDDLE TILDE              |
| 1D70 | ḕ | LATIN SMALL LETTER N WITH MIDDLE TILDE              |
| 1D71 | ḗ | LATIN SMALL LETTER P WITH MIDDLE TILDE              |
| 1D72 | ḙ | LATIN SMALL LETTER R WITH MIDDLE TILDE              |
| 1D73 | ḟ | LATIN SMALL LETTER R WITH FISHHOOK AND MIDDLE TILDE |
| 1D74 | ḡ | LATIN SMALL LETTER S WITH MIDDLE TILDE              |
| 1D75 | ḡ | LATIN SMALL LETTER T WITH MIDDLE TILDE              |
| 1D76 | ḡ | LATIN SMALL LETTER Z WITH MIDDLE TILDE              |

**Caucasian linguistics**

|      |   |  |
|------|---|--|
| 1D77 | Ბ | LATIN SMALL LETTER TURNED G<br>• Georgian transcription<br>→ 10F9 Ბ georgian letter turned gan |
| 1D78 | Ს | MODIFIER LETTER CYRILLIC EN<br>≈ <sup> 043D Ს  |

**Other phonetic symbols**

- 1D79 **ɣ** LATIN SMALL LETTER INSULAR G
- older Irish phonetic notation
  - 0067 g latin small letter g
  - 0261 g latin small letter script g
  - 0263 γ latin small letter gamma
- 1D7A **th̄** LATIN SMALL LETTER TH WITH STRIKETHROUGH
- American dictionary usage
  - 03B8 θ greek small letter theta
- 1D7B **ɨ** LATIN SMALL CAPITAL LETTER I WITH STROKE
- used with different meanings by Americanists and Oxford dictionaries
- 1D7C **ɣ̇** LATIN SMALL LETTER IOTA WITH STROKE
- used by Russianists
- 1D7D **ɸ** LATIN SMALL LETTER P WITH STROKE
- used by Americanists
- 1D7E **ɥ** LATIN SMALL CAPITAL LETTER U WITH STROKE
- used by Americanists
- 1D7F **ɥ̇** LATIN SMALL LETTER UPSILON WITH STROKE
- used by Americanists and Oxford dictionaries