

Special Characters, Symbols and Accents on Apple's [US] Keyboard Layout

Updates: <http://github.com/RedBearAK/optspecialchars>

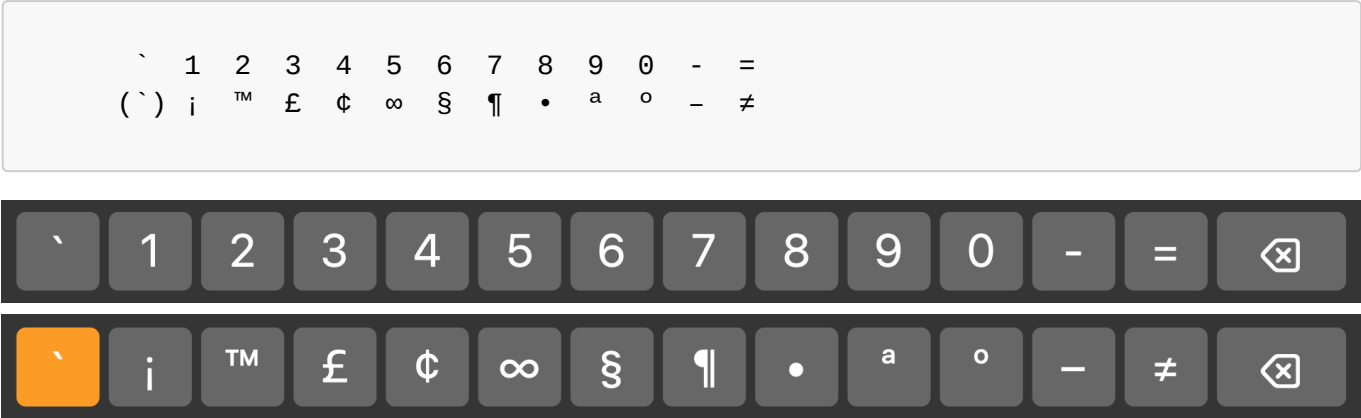
Revision date: 2022-07-28

This document catalogues all characters that are available on a standard **US** Apple keyboard layout in macOS with **Option** and **Shift+Option** keys, along with their Unicode addresses and Alt Codes (not all characters have Alt Codes; some have Alt Codes that only work in specific apps). The list does not include many additional characters and accents that are available on the ABC Extended keyboard.

The page breaks are designed to allow the document to print out on 14 pages, or 7 duplexed pages, with related **Option** and **Shift+Option** characters from the same row showing on facing pages if using double-sided printing.

The last five pages are dedicated to **[Notes]** listing all the accented characters that can be made with each of the "dead keys", which are shown in orange on some rows of Apple's **Keyboard Viewer**. (See screenshot images in each section.)

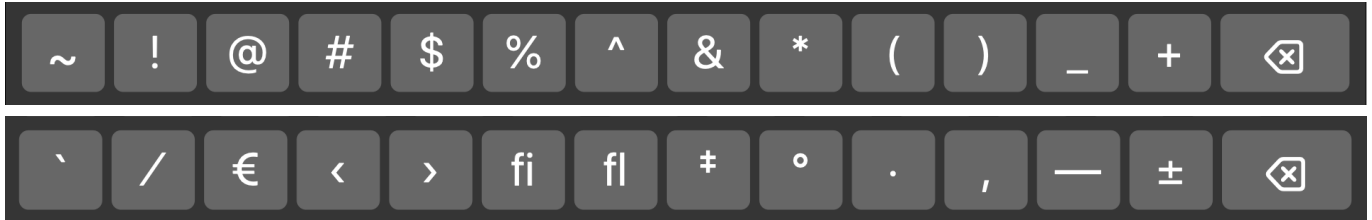
§ Numbers row with *Option*:



— Keys —	Description	— Unicode —	— Alt Code —
Opt+`	Dead Keys Grave accent (combining)	[Note 1]	(See below)
Opt+1	Inverted Exclamation Mark	{U+00A1}	(Alt+173)
Opt+2	Trade Mark Sign Emoji	{U+2122}	(Alt+0153)
Opt+3	British Pound currency symbol	{U+00A3}	(Alt+156)
Opt+4	Cent currency symbol	{U+00A2}	(Alt+155)
Opt+5	Infinity mathematical symbol	{U+221E}	(Alt+236)
Opt+6	Section symbol	{U+00A7}	(Alt+0167)
Opt+7	Paragraph mark (Pilcrow) symbol	{U+00B6}	(Alt+0182)
Opt+8	Bullet Point symbol (solid)	{U+2022}	(Alt+0149)
Opt+9	Feminine Ordinal Indicator	{U+00AA}	(Alt+166)
Opt+0	Masculine Ordinal Indicator	{U+00BA}	(Alt+167)
Opt+-	En Dash punctuation mark	{U+2013}	(Alt+0150)
Opt+=	Not Equal To symbol	{U+2260}	(No Alt Code)

§ Numbers row with *Shift+Option*:

~ ! @ # \$ % ^ & * () _ +
 ` / € < > fi fl ‡ ° · , — ±



— Keys —	Description	Unicode	Alt Code
↑ +Opt+`	Grave Accent (non-combining)	{U+0060}	(Alt+96)
↑ +Opt+1	Fraction Slash	{U+2044}	(No Alt Code)
↑ +Opt+2	Euro currency symbol	{U+20AC}	(Alt+0128)
↑ +Opt+3	Single Left-Pointing Angle Quotation mark	{U+2039}	(Alt+0139)
↑ +Opt+4	Single Right-Pointing Angle Quotation mark	{U+203A}	(Alt+0155)
↑ +Opt+5	Latin Small Ligature Fi	{U+FB01}	(No Alt Code)
↑ +Opt+6	Latin Small Ligature Fl	{U+FB02}	(No Alt Code)
↑ +Opt+7	Double dagger (cross) symbol	{U+2021}	(Alt+0135)
↑ +Opt+8	Degree Sign	{U+00B0}	(Alt+248)
↑ +Opt+9	Middle Dot (interpunct/middot)	{U+00B7}	(Alt+250)
↑ +Opt+0	Single low-9 quotation mark	{U+201A}	(Alt+0130)
↑ +Opt+-	Em Dash punctuation mark	{U+2014}	(Alt+0151)
↑ +Opt+=	Plus Minus mathematical symbol	{U+00B1}	(Alt+241)

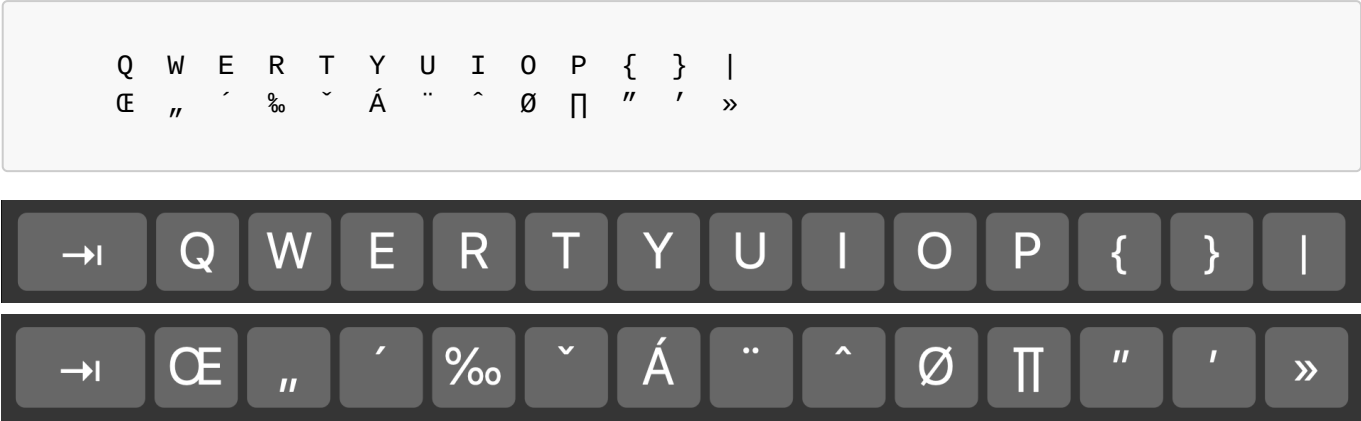
§ Tab key row with *Option*:

q w e r t y u i o p [] \
œ Σ (´) ® † ¥ (¨) (^) ø π “ ’ «



— Keys —	Description	Unicode	Alt Code
Opt+Q	Small oe (oethel) ligature	{U+0153}	(Alt+0156)
Opt+W	N-Ary Summation (sigma) notation	{U+2211}	(No Alt Code)
Opt+E	Dead Keys Acute accent (combining)	[Note 2]	(See below)
Opt+R	Registered Trade Mark Sign	{U+00AE}	(Alt+0174)
Opt+T	Simple dagger (cross) symbol	{U+2020}	(Alt+0134)
Opt+Y	Japanese Yen currency symbol	{U+00A5}	(Alt+157)
Opt+U	Dead Keys Umlaut accent (combining)	[Note 3]	(See below)
Opt+I	Dead Keys Circumflex accent (combining)	[Note 4]	(See below)
Opt+O	Latin Small Letter o with Stroke	{U+00F8}	(Alt+0248)
Opt+P	Greek Small Letter Pi	{U+03C0}	(Alt+227)
Opt+[Left Double Quotation Mark	{U+201C}	(Alt+0147)
Opt+]	Left Single Quotation Mark	{U+2018}	(Alt+0145)
Opt+\	Left-Pointing Double Angle Quotation Mark	{U+00AB}	(Alt+174)

§ Tab key row with *Shift+Option*:



— Keys —	Description	— Unicode —	— Alt Code —
↑ +Opt+Q	Capital OE (Oethel) ligature	{U+0152}	(Alt+0140)
↑ +Opt+W	Double Low-9 Quotation mark	{U+201E}	(Alt+0132)
↑ +Opt+E	Acute Accent diacritic (non-combining)	{U+00B4}	(Alt+0180)
↑ +Opt+R	Per mille symbol (zero over zero-zero)	{U+2030}	(Alt+0137)
↑ +Opt+T	Caron/hacek diacritic (non-combining)	{U+02C7}	(No Alt Code)
↑ +Opt+Y	Latin Capital Letter A with Acute	{U+00C1}	(Alt+0193)
↑ +Opt+U	Diaeresis/Umlaut (non-combining)	{U+00A8}	(Alt+0168)
↑ +Opt+I	Circumflex Accent (non-combining)	{U+02C6}	(Alt+0136)
↑ +Opt+O	Latin Capital Letter O with Stroke	{U+00D8}	(Alt+0216)
↑ +Opt+P	N-Ary Product mathematical symbol	{U+220F}	(No Alt Code)
↑ +Opt+[Right Double Quotation Mark	{U+201D}	(Alt+0148)
↑ +Opt+]	Right Single Quotation Mark	{U+2019}	(Alt+0146)
↑ +Opt+\	Right-Pointing Double Angle Quotation Mark	{U+00BB}	(Alt+175)

§ Caps Lock row with *Option*:

a s d f g h j k l ; '

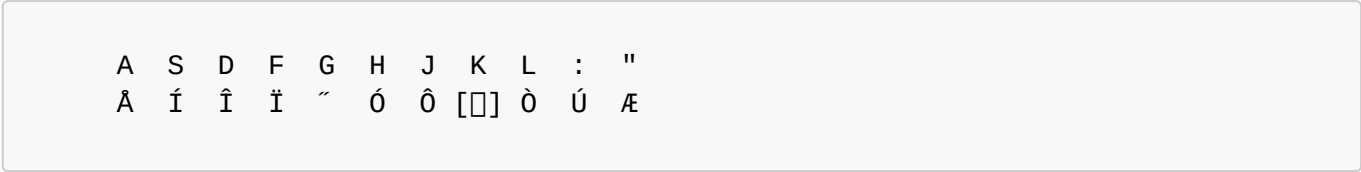
å ß ð ƒ © · Δ ° ¬ … æ

⇧ a s d f g h j k l ; ' ↵

⇧ å ß ð ƒ © · Δ ° ¬ … æ ↵

— Keys —	Description	— Unicode —	— Alt Code —
Opt+A	Small Letter a with Ring Above	{U+00E5}	(Alt+130)
Opt+S	German Eszett/beta (Sharfes/Sharp S)	{U+00DF}	(Alt+225)
Opt+D	Partial Differential	{U+2202}	(No Alt Code)
Opt+F	Function/florin currency symbol	{U+0192}	(Alt+159)
Opt+G	Copyright Sign	{U+00A9}	(Alt+0169)
Opt+H	Dot Above diacritic (non-combining)	{U+02D9}	(No Alt Code)
Opt+J	Increment, laplace operator symbol	{U+2206}	(No Alt Code)
Opt+K	Ring Above diacritic (non-combining)	{U+02DA}	(No Alt Code)
Opt+L	Not Sign angled dash symbol	{U+00AC}	(Alt+170)
Opt+;	Horizontal ellipsis	{U+2026}	(Alt+0133)
Opt+'	Small ae ligature	{U+00E6}	(Alt+130)

§ Caps Lock row with *Shift+Option*:



— Keys —	Description	— Unicode —	— Alt Code —
⇧+Opt+A	Capital Letter A with Ring Above	{U+00C5}	(Alt+143)
⇧+Opt+S	Latin Capital Letter I with Acute	{U+00CD}	(Alt+0205)
⇧+Opt+D	Latin Capital Letter I with Circumflex	{U+00CE}	(Alt+0206)
⇧+Opt+F	Latin Capital Letter I with Diaeresis	{U+00CF}	(Alt+0207)
⇧+Opt+G	Double Acute Accent (non-combining)	{U+02DD}	(No Alt Code)
⇧+Opt+H	Latin Capital Letter O with Acute	{U+00D3}	(Alt+0211)
⇧+Opt+J	Latin Capital Letter O with Circumflex	{U+00D4}	(Alt+0212)
⇧+Opt+K	Apple logo ‡ (See footnote)	{U+F8FF}	(No Alt Code)
⇧+Opt+L	Latin Capital Letter O with Grave	{U+00D2}	(Alt+0210)
⇧+Opt+;	Latin Capital Letter U with Acute	{U+00DA}	(Alt+0218)
⇧+Opt+'	Capital AE ligature	{U+00C6}	(Alt+146)

‡ The Apple logo character is in a Unicode "Private Use Area" and is only found in Mac fonts (at U+F8FF) or *Baskerville Old Face* font on PCs (at U+F000). In Windows **Character Map** app, use *Advanced View* -> *Go to Unicode* -> *F000* after selecting *Baskerville Old Face* in the **Font** field. App must support the use of the character in that font. Character will not show properly in general text editors that can't attach font metadata to the character, but should paste and show up in word processors or desktop publishing software. If not supported by the app/font, it will show a [blank], or a box with [?] or [F8/FF] inside.

§ Shift keys row with *Option*:

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Ω ≈ ç √ ∫ (~) μ ≤ ≥ ÷

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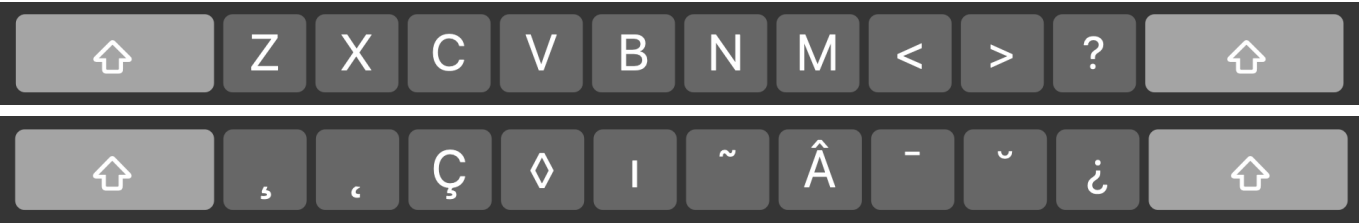
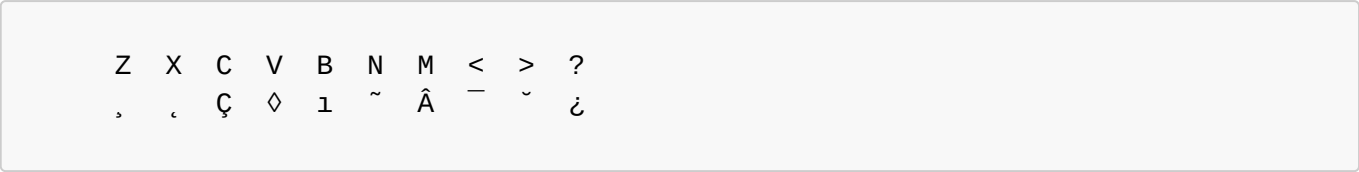
≥

÷

↵

— Keys —	Description	— Unicode —	— Alt Code —
Opt+Z	Greek Capital Letter Omega	{U+03A9}	(Alt+234)
Opt+X	Almost Equal To symbol	{U+2248}	(Alt+247)
Opt+C	Small Letter c with Cedilla	{U+00E7}	(Alt+130)
Opt+V	Square Root radical sign	{U+221A}	(Alt+251)
Opt+B	Integral mathematical symbol	{U+222B}	(No Alt Code)
Opt+N	Dead Keys Tilde accent (combining)	[Note 5]	(See below)
Opt+M	Micro (mu) symbol	{U+00B5}	(Alt+230)
Opt+,	Less Than or Equal To symbol	{U+2264}	(Alt+243)
Opt+.	Greater Than or Equal To symbol	{U+2265}	(Alt+242)
Opt+/ 	Obelus/Division symbol	{U+00F7}	(Alt+246)

§ Shift keys row with *Shift+Option*:

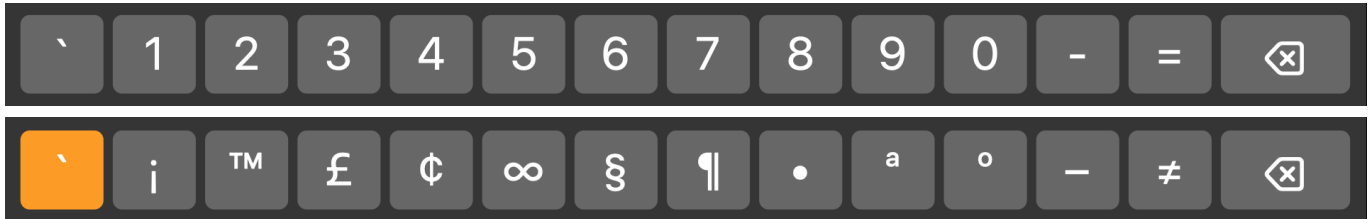


— Keys —	Description	Unicode	Alt Code
↑ +Opt+Z	Spacing Cedilla diacritic (non-combining)	{U+00B8}	(Alt+0184)
↑ +Opt+X	Ogonek diacritic (non-combining)	{U+02DB}	(No Alt Code)
↑ +Opt+C	Capital Letter C with Cedilla	{U+00C7}	(Alt+128)
↑ +Opt+V	Lozenge (diamond) shape symbol	{U+25CA}	(No Alt Code)
↑ +Opt+B	Latin Small Letter Dotless i	{U+0131}	(No Alt Code)
↑ +Opt+N	Small Tilde character	{U+02DC}	(Alt+0152)
↑ +Opt+M	Latin Capital Letter a with Circumflex	{U+00C2}	(Alt+0194)
↑ +Opt+,	Macron/overline/overbar (non-combining)	{U+00AF}	(Alt+0175)
↑ +Opt+.	Breve diacritic (non-combining)	{U+02D8}	(No Alt Code)
↑ +Opt+/?	Inverted Question mark	{U+00BF}	(Alt+168)

§ [Note 1] Dead Keys: Grave Accent [`]

Type Option+Grave, then a/e/i/o/u or A/E/I/O/U, to produce:

à è ì ò ù À È Ì Ò Ù



— Keys —	Description	Unicode	Alt Code
Opt+`, a	Latin Small a with Grave	{U+00E0}	(Alt+0224)
Opt+`, e	Latin Small e with Grave	{U+00E8}	(Alt+0232)
Opt+`, i	Latin Small i with Grave	{U+00EC}	(Alt+0236)
Opt+`, o	Latin Small o with Grave	{U+00F2}	(Alt+0242)
Opt+`, u	Latin Small u with Grave	{U+00F9}	(Alt+0249)
Opt+`, A	Latin Capital A with Grave	{U+00C0}	(Alt+0192)
Opt+`, E	Latin Capital E with Grave	{U+00C8}	(Alt+0200)
Opt+`, I	Latin Capital I with Grave	{U+00CC}	(Alt+0204)
Opt+`, O	Latin Capital O with Grave	{U+00D2}	(Alt+0210)
Opt+`, U	Latin Capital U with Grave	{U+00D9}	(Alt+0217)

§ [Note 2] Dead Keys: Acute Accent [´]

Type Option+E, then a/e/i/o/u or A/E/I/O/U, to produce:

á é í ó ú Á É Í Ó Ú



— Keys —	Description	Unicode	Alt Code
Opt+E, a	Latin Small a with Acute	{U+00E1}	(Alt+0225)
Opt+E, e	Latin Small e with Acute	{U+00E9}	(Alt+0233)
Opt+E, i	Latin Small i with Acute	{U+00ED}	(Alt+0237)
Opt+E, o	Latin Small o with Acute	{U+00F3}	(Alt+0243)
Opt+E, u	Latin Small u with Acute	{U+00FA}	(Alt+0250)
Opt+E, A	Latin Capital A with Acute	{U+00C1}	(Alt+0193)
Opt+E, E	Latin Capital E with Acute	{U+00C9}	(Alt+0201)
Opt+E, I	Latin Capital I with Acute	{U+00CD}	(Alt+0205)
Opt+E, O	Latin Capital O with Acute	{U+00D3}	(Alt+0211)
Opt+E, U	Latin Capital U with Acute	{U+00DA}	(Alt+0218)

§ [Note 3] Dead Keys: Umlaut Accent [¨]

Type Option+U, then a/e/i/o/u/y or A/E/I/O/U/Y, to produce:

ä ë ï ö ü ÿ Ä Æ Ĩ Ö Ü Ÿ



— Keys —	Description	— Unicode —	— Alt Code —
Opt+U, a	Latin Small a with Umlaut	{U+00E4}	(Alt+0228)
Opt+U, e	Latin Small e with Umlaut	{U+00EB}	(Alt+0235)
Opt+U, i	Latin Small i with Umlaut	{U+00EF}	(Alt+0239)
Opt+U, o	Latin Small o with Umlaut	{U+00F6}	(Alt+0246)
Opt+U, u	Latin Small u with Umlaut	{U+00FC}	(Alt+0252)
Opt+U, y	Latin Small y with Umlaut	{U+00FF}	(Alt+0255)
Opt+U, A	Latin Capital A with Umlaut	{U+00C4}	(Alt+0196)
Opt+U, E	Latin Capital E with Umlaut	{U+00CB}	(Alt+0203)
Opt+U, I	Latin Capital I with Umlaut	{U+00CF}	(Alt+0207)
Opt+U, O	Latin Capital O with Umlaut	{U+00D6}	(Alt+0214)
Opt+U, U	Latin Capital U with Umlaut	{U+00DC}	(Alt+0220)
Opt+U, Y	Latin Capital Y with Umlaut	{U+0178}	(Alt+0159)

§ [Note 4] Dead Keys: Circumflex Accent [^]

Type Option+I, then a/e/i/o/u or A/E/I/O/U, to produce:

â ê î ô û Â Ê Î Ô Û



— Keys —	Description	— Unicode —	— Alt Code —
Opt+I, a	Latin Small a with Circumflex	{U+00E2}	(Alt+0226)
Opt+I, e	Latin Small e with Circumflex	{U+00EA}	(Alt+0234)
Opt+I, i	Latin Small i with Circumflex	{U+00EE}	(Alt+0238)
Opt+I, o	Latin Small o with Circumflex	{U+00F4}	(Alt+0244)
Opt+I, u	Latin Small u with Circumflex	{U+00FB}	(Alt+0251)
Opt+I, A	Latin Capital A with Circumflex	{U+00C2}	(Alt+0194)
Opt+I, E	Latin Capital E with Circumflex	{U+00CA}	(Alt+0202)
Opt+I, I	Latin Capital I with Circumflex	{U+00CE}	(Alt+0206)
Opt+I, O	Latin Capital O with Circumflex	{U+00D4}	(Alt+0212)
Opt+I, U	Latin Capital U with Circumflex	{U+00DB}	(Alt+0219)

§ [Note 5] Dead Keys: Tilde Accent [~]

Type Option+N, then a/n/o or A/N/O to produce:

ã ñ õ Ñ Ñ Ñ



— Keys —	Description	— Unicode —	— Alt Code —
Opt+N, a	Latin Small a with Tilde	{U+00E3}	(Alt+0227)
Opt+N, n	Latin Small n with Tilde	{U+00F1}	(Alt+0241)
Opt+N, o	Latin Small o with Tilde	{U+00F5}	(Alt+0245)
Opt+N, A	Latin Capital A with Tilde	{U+00C3}	(Alt+0195)
Opt+N, N	Latin Capital N with Tilde	{U+00D1}	(Alt+0209)
Opt+N, O	Latin Capital O with Tilde	{U+00D5}	(Alt+0213)

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