# Table of keyboard shortcuts

In computing, a keyboard shortcut is a sequence or combination of keystrokes on a computer keyboard which invokes commands in software.

Some keyboard shortcuts require the user to press a single key or a sequence of keys one after the other. Other keyboard shortcuts require pressing and holding several keys simultaneously. Keyboard shortcuts may depend on the keyboard layout (localization).

## Comparison of keyboard shortcuts

Keyboard shortcuts are a common aspect of most modern operating systems and associated software applications. Their use is pervasive enough that some users consider them an essential element of their routine interactions with a computer. Whether used as a matter of personal preference or for adaptive technology, the pervasiveness of common conventions enables the comparison of keyboard shortcuts across different systems. The following sections detail some of these comparisons in widely used operating systems.

### General shortcuts

A note regarding KDE's shortcuts is that they can be changed and the below list contains the defaults. Some of the combinations are not true for localized versions of operating systems. For example in a non-English version of Windows, the Edit menu is not always bound to the "E" shortcut. Furthermore, many shortcuts (such as CTRL-Z, ALT-E, etc.) are just common conventions and are **not** handled by the operating system. Whether such commands are implemented (or not) depends on how an actual application program (such as an editor) is written. Not all applications follow (all of) these conventions.

| Action | Windows | Mac OS | KDE / GNOME | Emacs |
|--------|---------|--------|-------------|-------|
| **File menu** | ⎇ Alt+F, or F10 then F | ^ Ctrl+F2, then F (requires full keyboard access active, using System Preferences > Keyboard > Keyboard Shortcuts > Full Keyboard Access > All Controls. Alternatively use ^ Ctrl+F1 to toggle this setting.) | ⎇ Alt+F | ◆ Meta+`, then f |
| **Edit menu** | ⎇ Alt+E | ^ Ctrl+F2, then E | ⎇ Alt+E | ◆ Meta+`, then e |
| **View menu** | ⎇ Alt+V | ^ Ctrl+F2, then V | ⎇ Alt+V | |
| **Undo the last operation** | ^ Ctrl+Z, or ⎇ Alt+⎇ Backspace | ⌘ Cmd+Z | ^ Ctrl+Z | ^ Ctrl+x, then u or ^ Ctrl+/ or ^ Ctrl+_ or Undo |
| **Redo the last operation** | ^ Ctrl+Y | ⇧ Shift+⌘ Cmd+Z | ⇧ Shift+^ Ctrl+Z, or ^ Ctrl+Y | Same as undo, when undo is exhausted, it redoes. Move the cursor after one or more undos, and further undos will be redos. |
| **Cut the selection and store it in the clipboard** | ^ Ctrl+X, or ⇧ Shift+⎇ Del | ⌘ Cmd+X | ^ Ctrl+X | ^ Ctrl+w |
| **Copy the selection into the clipboard** | ^ Ctrl+C, or ^ Ctrl+Ins | ⌘ Cmd+C | ^ Ctrl+C | ◆ Meta+w, or ^ Ctrl+⎇ Ins |

| | | | | |
|---|---|---|---|---|
| **Paste contents of clipboard at cursor** | ^ `Ctrl+V`, or ⎇ `Shift+`⎇ `Ins` | ⌘ `Cmd+V` | ^ `Ctrl+V` | ^ `Ctrl+y`, or ⎇ `Shift+`⎇ `Ins`, or |
| **Paste special** | ^ `Ctrl+`⎇ `Alt+V` | | ^ `Ctrl+`⎇ `Shift+V` | ◆ `Meta+y` |
| **Select all in focused control or window** | ^ `Ctrl+A` | ⌘ `Cmd+A` | ^ `Ctrl+A` | ^ `Ctrl+x`, then h |
| **Cycle through installed keyboard languages / input methods** | ⎇ `Shift+`⎇ `Alt`, or ⊞ `Win+Space` The latter displays a menu with the currently selected input method highlighted, and debuted in Windows 8. | ⌘ `Cmd+Space` (not MBR) Configure desired keypress in *Keyboard and Mouse Preferences*, *Keyboard Shortcuts*, *Select the next source in Input menu*. | ^ `Ctrl+`⎇ `Alt+K` via KDE Keyboard ⎇ `Shift+`⎇ `Alt` in GNOME | ^ `Ctrl+\` |

## Navigation

| Action | Windows | Mac OS | KDE/GNOME |
|---|---|---|---|
| **New browser window with same page as current** | ^ `Ctrl+N` (for both explorer.exe and iexplore.exe) | | ^ `Ctrl+N` |
| **New folder** | ^ `Ctrl+`⎇ `Shift+N` | ⎇ `Shift+`⌘ `Cmd+N` | ^ `Ctrl+`⎇ `Shift+N` |
| **Applications menu** | ⊞ `Win` or ^ `Ctrl+`⎇ `Esc` | | ⎇ `Alt + "n"` e.g. for _File_ ⎇ `Alt + F` |
| **Lock desktop** | ⊞ `Win+L` | ^ `Ctrl+`⎇ `Shift+`⏏ `Eject` or MBR ^ `Ctrl+`⎇ `Shift+Pwr` (If "Require password after sleep or screen saver" is enabled in "System Preferences — Security & Privacy") | ^ `Ctrl+`⎇ `Alt+L` |
| **Show desktop** | ⊞ `Win+D` or ⊞ `Win+M` (then use ⊞ `Win+`⎇ `Shift+M` to bring back all windows) | F11 | ^ `Ctrl+`⎇ `Alt+D` |
| **Log out user** | | ⎇ `Shift+`⌘ `Cmd+Q` | Ctrl+Alt+Delete |
| **Switch active user** | ⊞ `Win+L` | | |
| **Task manager** | ^ `Ctrl+`⎇ `Shift+`⏏ `Esc`, Ctrl+Alt+Delete | ⎇ `Alt+`⌘ `Cmd+`⏏ `Esc` | ^ `Ctrl+`⏏ `Esc` |
| **Rename object** | F2 | ⏎ `Enter` | F2 |
| **Open file or program** | ⏎ `Enter` | ⌘ `Cmd+O` | ⏎ `Enter` |
| **Switch window (next/previous)** | ⎇ `Alt+Tab` ⎇ / ⎇ `Shift+`⎇ `Alt+Tab` ⎇ | ⌘ `Cmd+Tab` ⌘ / ⎇ `Shift+`⌘ `Cmd+Tab` ⌘ | ⎇ `Alt+Tab` ⎇ / ⎇ `Alt+`⎇ `Shift+Tab` ⎇ |
| **Switch window without dialog (next/previous)** | ⎇ `Alt+`⏏ `Esc` / ⎇ `Shift+`⎇ `Alt+`⏏ `Esc` | Only works within single Applications ⌘ `Cmd+`` / ⌘ `Cmd+~` | |
| **Run application** | ⊞ `Win`, enter executable name or ⊞ `Win+R`, enter executable name | ⌘ `Cmd+Space`, enter executable name | ⎇ `Alt+F2`, enter executable name |
| **Search** | ⊞ `Win`, enter executable name or ⊞ `Win+F` | ⌘ `Cmd+Space` / ⎇ `Alt+F` | |

## Power management

| Action | Windows | Mac OS | KDE / GNOME |
|---|---|---|---|
| **Place computer into sleep/standby mode** | Sleep (available on some keyboards, configurable in Control Panel-->Power Options-->Advanced tab dialog box) | ⎇ Opt+⌘ Cmd+⏏ Eject | Sleep (available on some keyboards, configurable in Control Panel-->Power Options-->Advanced tab dialog box) |
| **Shutdown computer** | | ^ Ctrl+⎇ Opt+⌘ Cmd+⏏ Eject (no confirmation, shutdown is immediate) | ^ Ctrl+⎇ Alt+⇧ Shift+PageDown (KDE; no confirmation, shutdown is immediate) |
| **Restart computer** | | ^ Ctrl+⌘ Cmd+⏏ Eject (no confirmation, restart is immediate) | ^ Ctrl+⎇ Alt+⇧ Shift+PageUp (KDE; no confirmation, restart is immediate) |
| **Place display in sleep mode** | | ^ Ctrl+⇧ Shift+⏏ Eject | |
| **Bring up power/sleep dialog box** | ⎇ Alt+F4 (while on Desktop only) | ^ Ctrl+⏏ Eject | |

## Screenshots

| Action | Windows | Mac OS | KDE / GNOME |
|---|---|---|---|
| **Save screenshot of entire screen as file** | ⊞ Win+⎙ Print Screen | ⇧ Shift+⌘ Cmd+3 | ⎙ Print Screen set the name and click "Save". GNOME Shell |
| **Copy screenshot of entire screen to clipboard** | ⎙ Print Screen or ^ Ctrl+⎙ Print Screen | ^ Ctrl+⇧ Shift+⌘ Cmd+3 | ⎙ Print Screen click "Copy to Clipboard". GNOME Shell |
| **Save screenshot of window as file** | | ⇧ Shift+⌘ Cmd+4 then Space | ⎇ Alt+⎙ Print Screen set the name and click "Save". GNOME |
| **Copy screenshot of window to clipboard** | ⎇ Alt+⎙ Print Screen | ^ Ctrl+⇧ Shift+⌘ Cmd+4 then Space | ⎇ Alt+⎙ Print Screen click "Copy to Clipboard". GNOME |
| **Copy screenshot of arbitrary area to clipboard** | | ^ Ctrl+⇧ Shift+⌘ Cmd+4 | |
| **Save screenshot of arbitrary area as file** | | ⇧ Shift+⌘ Cmd+4 | |
| **Screencasting** | | | ^ Ctrl+⇧ Shift+⎇ Alt+R |

## Text editing

Many of these commands may be combined with ⇧ Shift to select a region of text.

| Action | Windows | Mac OS | KDE / GNOME | Emacs | Vim |
|---|---|---|---|---|---|
| **Delete char to the right of cursor** | `□ Del` or `Fn+□ Backspace` | `□ Del`, or `^ Ctrl+d`, or `Fn+□ Backspace` | | `^ Ctrl+d` | `x` |
| **Delete word to the right of cursor** | `^ Ctrl+□ Del` | `□ Opt+□ Del` or `□ Opt+ Fn+□ Backspace` | `^ Ctrl+□ Del` | `◆ Meta+d` | `dw` |
| **Delete word to the left of cursor** | `^ Ctrl+□ Backspace` | `□ Opt+□ Backspace` | `^ Ctrl+□ Backspace` | `^ Ctrl+□ Backspace`, or `◆ Meta+□ Backspace` | `db` |
| **Go to start of line** | `□ Home`, or `Fn+←` | `□ Cmd+←` or `^ Ctrl+A` | `□ Home` | `^ Ctrl+a`, or `□ Home` | `0` |
| **Go to end of line** | `□ End`, or `Fn+→` | `□ Cmd+→` or `^ Ctrl+E` | `□ End` | `^ Ctrl+e`, or `□ End` | `$` |
| **Go to start of document** | `^ Ctrl +□ Home` | `□ Cmd+↑` | `^ Ctrl +□ Home` | `◆ Meta+<`, or `^ Ctrl+□ Home` | `gg` |
| **Go to end of document** | `^ Ctrl +□ End` | `□ Cmd+↓` | `^ Ctrl +□ End` | `◆ Meta+>`, or `^ Ctrl+□ End` | `G` |
| **Go to previous word** | `^ Ctrl+←` | `□ Opt+←` | `^ Ctrl+←` | `◆ Meta+b`, or `^ Ctrl+←`, or `◆ Meta+←` | `b` |
| **Go to next word** | `^ Ctrl+→` | `□ Opt+→` | `^ Ctrl+→` | `◆ Meta+f`, or `^ Ctrl+→`, or `◆ Meta+→` | `w` |
| **Go to previous line** | `↑` | `↑`, or `^ Ctrl+p` | `↑` | `^ Ctrl+p`, or `↑` | `k` |
| **Go to next line** | `↓` | `↓`, or `^ Ctrl+n` | `↓` | `^ Ctrl+n`, or `↓` | `j` |
| **Go to previous line break (paragraph)** | `^ Ctrl+↑` | `□ Opt+↑` | `^ Ctrl+↑` (kword or GNOME) | `◆ Meta+'{', or `^ Control+↑` | `{` |
| **Go to next line break** | `^ Ctrl+↓` | `□ Opt+↓` | `^ Ctrl+↓` (kword or GNOME) | `◆ Meta+'}', or `^ Control+↓` | `}` |
| **Move the cursor down the length of the viewport** | `□ Page Down` | `Fn+↓` | `□ Page Down` | | |
| **Move the cursor up the length of the viewport** | `□ Page Up` | `Fn+↑` | `□ Page Up` | | |
| **Find** | `^ Ctrl+F` | `□ Cmd+F □ Cmd+E` (Search with current selection) | `^ Ctrl+F ^ Ctrl+K` (GNOME; interactive search) | `^ Ctrl+s` | `/` |
| **Go to next search result** | `F3` | `□ Cmd+G` | `^ Ctrl+G` (GNOME) or `F3` (KDE) | `^ Ctrl+s` | `n` |
| **Go to previous search result** | `□ Shift+F3` | `□ Shift+□ Cmd+G` | `□ Shift+^ Ctrl+G` (GNOME) or `□ Shift+F3` (KDE) | `^ Ctrl+r` | `N` |
| **Search and replace** | `^ Ctrl+H` | `□ Cmd+F` | `^ Ctrl+H` (GNOME) or `^ Ctrl+R` (KDE) | `◆ Meta+%` | `%s/fosh/fish/gc` |

| | | | | ^ Ctrl+◆ Meta+s | All search uses regular expressions. |
|---|---|---|---|---|---|
| **Search with a regular expression** | | | | | |
| **Search and replace with a regular expression** | | | | ^ Ctrl+◆ Meta+%, | |

## Text formatting

| Action | Windows | Mac OS | KDE / GNOME | Emacs | Vim |
|---|---|---|---|---|---|
| **Bold** | ^ Ctrl+B | ⃣Cmd+B | ^ Ctrl+B | | |
| **Underline** | ^ Ctrl+U | ⃣Cmd+U | ^ Ctrl+U | | |
| **Italic** | ^ Ctrl+I | ⃣Cmd+I | ^ Ctrl+I | | |
| **Uppercase / Lowercase** | ⃣Shift+F3 | ⃣Opt+⃣Cmd+C | ⃣Shift+F3 | ◆ Meta+u for upper, ◆ Meta+l for lower, ◆ Meta+c for capitalized. | gU for upper, gu for lower, ~ to toggle. |
| **Superscript** | ^ Ctrl+⃣Shift++ | ^ Ctrl+⃣Cmd++ (Pages and Adobe Applications only?) | ^ Ctrl+⃣Shift+P | | |
| **Subscript** | ^ Ctrl+= | ^ Ctrl+⃣Cmd+− (Pages and Adobe Applications only?) | ^ Ctrl+⃣Shift+B | | |
| **Make selected text larger/smaller** | ^ Ctrl+⃣Shift+>/^ Ctrl+⃣Shift+<,^ Ctrl+[/^ Ctrl+] | | | | |

## Browsers / Go menu

| Action | Windows | Mac OS | KDE / GNOME |
|---|---|---|---|
| **Go to Address Bar** | ⃣Alt+D or ⃣Alt+C depending on language | ⃣Cmd+L | ^ Ctrl+L or ⃣Alt+D or F6 |
| **Go to the previous location in history** | ⃣Alt+← or ⃣Backspace | ⃣Cmd+[ or ⃣Cmd+← | ⃣Alt+← |
| **Go to the next location in history** | ⃣Alt+→ or ⃣Shift+⃣Backspace (web browser only) | ⃣Cmd+] or ⃣Cmd+→ | ⃣Alt+→ |
| **Go up one level in the navigation hierarchy** | ⃣Alt+↑ (Vista, 7 or 8 only) or ⃣Backspace (Windows Explorer) | ⃣Cmd+↑ | ⃣Alt+↑ |
| **Go to the starting page defined by the user or application** | ⃣Alt+⃣Home | ⃣Cmd+⃣Home | ^ Ctrl+⃣Home (KDE) / ⃣Alt+⃣Home (GNOME) |

## Web browsers

| Action | Windows | Mac OS | KDE / GNOME | Emacs-w3m |
|---|---|---|---|---|
| **Bookmarks menu** | `^ Ctrl+B` | `⎇Cmd+B` (Firefox) | `⎇Alt+B` | `v` |
| **URL Shortcuts (Adds www. + .com)** | `^ Ctrl+⎇ Enter` | `⎇Cmd+⎇ Enter` (Firefox) or `^ Control+⎇ Enter` (Chrome) | `^ Ctrl+⎇ Enter` | |
| **URL Shortcuts (Adds www. + .org)** | `^ Ctrl+⎇ Shift+⎇ Enter` | `⎇Shift+⎇Cmd+⎇Enter` (Firefox) | `^ Ctrl+⎇ Shift+⎇ Enter` | |
| **URL Shortcuts (Adds www. + .net)** | `⎇Shift +⎇Enter` | `⎇Shift +⎇Enter` (Firefox) | `⎇Shift +⎇Enter` | |
| **Add bookmark for current page** | `^ Ctrl+D` | `⎇Cmd+D` | `^ Ctrl+B /^ Ctrl+D` | `a` |
| **Add bookmark for current link** | | | | `◆ Meta+a` |
| **Manage bookmarks** | `^ Ctrl+B` | `⎇Cmd+⎇ Opt+B` (Chrome/Safari) or `⎇Cmd+⎇ Shift+B` (Firefox) | `^ Ctrl+⎇ Shift+R /^ Ctrl+B` | |
| **Focus and select Web search bar** | `^ Ctrl+E` | `⎇Cmd+E` (Opera) or `⎇Cmd+K` (Firefox) or `⎇ Opt+⎇ Cmd+F` (Safari) | `^ Ctrl+k` | |
| **Focus and select address bar** | `^ Ctrl+L or F6 or ⎇ Alt+D` | `⎇Cmd+L` | `^ Ctrl+L or ⎇ Alt+D or F6` | `g s` |
| **Refresh a webpage** | `F5 or ^ Ctrl+R` | `⎇Cmd+R` | `F5 or ^ Ctrl+R` | `R` |
| **Open a new window** | `^ Ctrl+N` | `⎇Cmd+N` (Chrome) | `^ Ctrl+N` | |
| **Zoom Options (zoom in / zoom out / zoom 100%)** | `^ Ctrl++ /^ Ctrl+- / ^ Ctrl+0` | `⎇Cmd++ /⎇Cmd+- /⎇ Cmd+0` | `^ Ctrl++ /^ Ctrl+- / ^ Ctrl+0` | |

## Tab management

| Action | Windows | Mac OS | KDE / GNOME | Emacs-w3m |
|---|---|---|---|---|
| **New tab** | `^ Ctrl+T` | `⎇Cmd+T` | `^ Ctrl+⎇ Shift+N or ^ Ctrl+⎇ Shift+T or ^ Ctrl+T` | `^ Ctrl+c, then ^ Ctrl+t` |
| **Close tab** | `^ Ctrl+W` | `⎇Cmd+W` | `^ Ctrl+W` Mozilla Firefox & Opera & Chrom{e,ium} & Arora & Epiphany & Midori `^ Ctrl+F4` Mozilla Firefox & Opera & Chrom{e,ium} & Arora | |
| **Close all tabs but the current one** | | `⎇Cmd+⎇ Opt+W` (Safari) | | `^ Ctrl+c, then ◆ Meta+w` |
| **Go to next tab** | `^ Ctrl+Tab ⎇` | `^ Control+Tab ⎇ or ⎇ Cmd+⎇ Shift+→` (Safari) | `^ Ctrl+PageDown or ^ Ctrl+Tab ⎇ or ^ Ctrl+.` | `^ Ctrl+c, then ^ Ctrl+n` |
| **Go to previous tab** | `^ Ctrl+⎇ Shift+Tab ⎇` | `⎇Shift+^ Control+Tab ⎇ or ⎇ Cmd+⎇ Shift+←` (Safari) | `^ Ctrl+PageUp or ^ Ctrl+⎇ Shift+Tab ⎇ or ^ Ctrl+,` | `^ Ctrl+c, then ^ Ctrl+p` |
| **Go to tab-*n*** | `^ Ctrl+n` (Chrome/Firefox) | `⎇Cmd+n` (Chrome) | `⎇Alt+n` (Chrome/Firefox) or `^ Ctrl+n` **'(Chrome)** | |

| Open a previously closed tab | `^ Ctrl+`⎵ `Shift+T` | ⎵ `Cmd+`⎵ `Shift+T` (Firefox/Opera/Chrome) | `^ Ctrl+`⎵ `Shift+T` (Firefox/Opera/Chrome) | `^ Ctrl+`⎵ `Shift+T` (Firefox) |
|---|---|---|---|---|
| Open a previously closed window | `^ Ctrl+`⎵ `Shift+N` (Firefox) | | | |

## Window management

| Action | Windows | Mac OS | KDE | GNOME | Emacs |
|---|---|---|---|---|---|
| **Pop up window menu** | ⎵ `Alt+Space` | | ⎵ `Alt+F3` | ⎵ `Alt+Space` | `^ Ctrl+`` `, then b |
| **Close the focused window** | ⎵ `Alt+F4` or `^ Ctrl+F4` or `^ Ctrl+W` or ⎵ `Alt+Space` then C | ⎵ `Cmd+W` | ⎵ `Alt+F4` | ⎵ `Alt+F4` | `^ Ctrl+x`, then k |
| **Restore the focused window to its previous size** | ⎵ `Alt+Space` then R | | | ⎵ `Alt+F5` | `^ Ctrl+x`, then r, then j, then letter of the window state register. |
| **Move the focused window** | ⎵ `Alt+Space` then M then `Arrow Keys` and ⎵ `Enter`(to save location) | | ⎵ `Alt+Mouse` / ⎵ `Alt+F3` then M then `Arrow Keys` | ⎵ `Alt+Mouse` / ⎵ `Alt+F7` then `Arrow Keys` | |
| **Resize the focused window** | ⎵ `Alt+Space` then S then `Arrow Keys` | | ⎵ `Alt+F3` then S then `Arrow Keys` | ⎵ `Alt+F8` then `Arrow Keys` | `^ Ctrl+x`, then `^` vertically |
| **Hide the focused window** | | ⎵ `Cmd+H` | | | ◆ `Meta+x`, then bury-buffer RET, then `Ret` |
| **Hide all except the focused window** | | ⎵ `Cmd+`⎵ `Option+H` | | | |
| **Minimize the focused window** | ⎵ `Alt+Space` then N, or ⎵ `Win+↓` (Windows 7 and Vista Home Premium) | ⎵ `Cmd+M` | ⎵ `Alt+F3` then N | ⎵ `Alt+F9` | ◆ `Meta+x`, then bury-buffer RET, then `Ret` |
| **Maximize the focused window** | ⎵ `Alt+Space` then X, or ⎵ `Win+↑` (Windows 7 only) | ⎵ `Cmd+L` | ⎵ `Alt+F3` then X | ⎵ `Alt+F10` | `^ Ctrl+x`, then 1 |
| **Maximize horizontally** | | | *Available, but no default* | *Available, but no default* | |
| **Maximize vertically** | ⎵ `Win+`⎵ `Shift+↑` (Windows 7 and Windows 8) | | *Available, but no default* | *Available, but no default* | |
| **Minimize all** | ⎵ `Win+M` or ⎵ `Win+D` | ⎵ `Cmd+`⎵ `Alt+M` | *Available, but no default* | `^ Ctrl+`⎵ `Alt+D` | |
| **Minimize all non focused windows** | ⎵ `Win+`⎵ `Home` (Windows 7 and Windows 8.1) | | *Available, but no default* | | |

| | | | | | |
|---|---|---|---|---|---|
| **Undo minimize all** | ⬚ Shift+⬚ Win+M | | *Available, but no default* | ^ Ctrl+⬚ Alt+D | |
| **Switch fullscreen/normal size** | F11 | ⬚ Cmd+⬚ Shift+F | F11 | F11 | |
| **Show the window in full screen mode, with no border, menubar, toolbar or statusbar** | | *Depends on application, system default:* ⬚ Cmd+^ Ctrl+F | ^ Ctrl+⬚ Shift+F | ^ Ctrl+F11 | |
| **Rollup/down window** | | | *Available, but no default* | ⬚ Alt+F12 | |
| **Show all open windows** | ⬚ Win+Tab ⬚ | F9 or Move mouse pointer to configured *hot corner* or *active screen corner* | | ⬚ Win works per desktop on Gnome 3+ | ^ Ctrl+x, then ^ Ctrl+b |
| **Show all windows of current application** | | F3 or Move mouse pointer to configured *hot corner* or *active screen corner* | | ^ Ctrl+` | ^ Ctrl+x, then ^ Ctrl+b |
| **Show all workspaces** | | F8 or Move mouse pointer to configured *hot corner* or *active screen corner* | | ⬚ Win then mouse over the desktop bar on the right edge of the screen | |
| **Move window to left/right/up/down workspace** | ⬚ Win+←/→ (Windows 7 and Windows 8) | | *Available, but no default* | ^ Ctrl+⬚ Alt+⬚ Shift+←/→/ ↑/↓ | |
| **Move window between multiple monitors** | ⬚ Win+⬚ Shift+←/→ (Windows 7 and Windows 8) | | | | |
| **Move window to workspace *n*** | | | *Available, but no default* | | |
| **Switch to next/previous workspace list** | | | *Available, but no default* | | |
| **Go to workspace *n*** | | ^ Ctrl+*n* | ^ Ctrl+F*n* | | |
| **Go to left/right/up/down workspace** | | ^ Ctrl+←/^ Ctrl+→/^ Ctrl+↑ /^ Ctrl+↓ (OS X 10.5 to 10.6), ^ Ctrl+←/^ Ctrl+→ (OS X 10.7) | | ^ Ctrl+⬚ Alt+←/→/↑/ ↓ | |
| **Quit application of current window** | ⬚ Alt+F4 or ^ Ctrl+F4 *varies* | ⬚ Cmd+Q | ^ Ctrl+⬚ Alt+⬚ Esc | | q |
| **Close dialog** | ⬚ Esc | ⬚ Esc | | | |
| **Open/Focus (preview) pinned program on the taskbar** | ⬚ Win+(#) where "#" is the position of the program on the Windows Taskbar (Windows 7 and Windows 8.1) | | | | |

| | | | | | |
|---|---|---|---|---|---|
| **Open new program window of pinned program in Quick Launch** | ⊞ `Win`+(#) where "#" is the position of the program on the Quick Launch toolbar (Windows Vista, 7 and 8.1) | | | | |
| **Open new program window of the pinned program on the taskbar (if program is already opened)** | ⊞ `Win`+⇧ `Shift`+(#) where "#" is the position of the program on the Windows Taskbar (Windows 7 and Windows 8.1) | | | | |
| **Focus the first taskbar entry. Pressing again will cycle through them** | ⊞ `Win`+T, you can ←→ back and forth. Hold ⇧ `Shift` to cycle backwards (Windows 7 and Windows 8.1) | | | | |
| **Peek at the desktop** | ⊞ `Win`+Space (Windows 7 only) | `F11` or Move mouse pointer to configured *hot corner* or *active screen corner* | | | |
| **Bring gadgets to the front of the Z-order and cycle between gadgets** | ⊞ `Win`+G (Windows Vista,7) or ⊞ `Win`+Space (Vista only, no cycling) | | | | |
| **External display options (mirror, extend desktop, etc.)** | ⊞ `Win`+P (Windows 7 and Windows 8) | | | | |

## User interface navigation (widgets and controls)

| Action | Windows | Mac OS | KDE | GNOME |
|---|---|---|---|---|
| **Moves keyboard focus to next/previous control** | `Tab` ⇆/⇆ `Shift+Tab` ⇆ | With full keyboard access active (System Preferences > Keyboard > Keyboard Shortcuts > Full Keyboard Access > All Controls) `Tab` ⇆/⇆ `Shift+Tab` ⇆ | `Tab` ⇆/⇆ `Shift+Tab` ⇆ | `Tab` ⇆/⇆ `Shift+Tab` ⇆ ^ `Ctrl+Tab` ⇆/⇆ `Shift+`^ `Ctrl+Tab` ⇆ |
| **Pop up tooltip for currently focused control** | ⇧ `Shift+F1` | | | ^ `Ctrl+F1` |
| **Show context-sensitive help for currently focused window or control** | ⇧ `Shift+F1` | ⌘ `Cmd+?` | ⇧ `Shift+F1` | ⇧ `Shift+F1` |
| **Give focus to next/previous pane** | ^ `Ctrl+F6` / ⎇ `Alt+F6` | ⌘ `Cmd+`` | | `F6` /⇧ `Shift+F6` |
| **Give focus to splitter bar in paned window** | | | | `F8` |
| **Give focus to window's menu bar** | `F10` or ⎇ `Alt` | ⌘ `Cmd+`⇧ `Shift+/`, then type command name, or ^ `Ctrl+F2` (or Fn+^ `Ctrl+F2` on some keyboards - requires full keyboard access active using System Preferences > Keyboard > Keyboard Shortcuts > Full Keyboard Access > All Controls)) | ⎇ `Alt` | `F10` |

| | | | | |
|---|---|---|---|---|
| **Pop up contextual menu for currently selected objects (aka *context menu*)** | `⎇ Shift+F10` or `⎇ Menu` | Varies with laptop / extended keyboard type; enable Mouse keys in Universal Access, then `Function+^ Ctrl+5` or `^ Ctrl+5` (numeric keypad) or `Function+^ Ctrl+i` (laptop) | `⎇ Menu` | `⎇ Menu` or `⎇ Shift+F10` |
| **Toggle selected state of focused checkbox, radio button, or toggle button** | `Space` | `Space` | `Space` | `Space` |
| **Activate focused button, menu item etc.** | `⎇ Enter` | `Space` (also `⎇ Enter` for menu items) | `⎇ Enter` | `⎇ Enter` |
| **Select/move to first/last item in selected widget** | | | `⎇ Home` / `⎇ End` | `⎇ Home` / `⎇ End` |
| **Scroll selected view by one page up/left/down/right** | | `⎇ / ⎇` (or `Fn+↑} + Fn+↓` on some keyboards) | | `PageUp / ^ Ctrl+PageUp / PageDown / ^ Ctrl+PageDown` |
| **Scroll selected view to top/bottom** | | `↖` or on MacBook Pro `Fn + ⎇ Opt + ↖ ↘` or on MacBook Pro `Fn + ⎇ Opt + ↘` | | |
| **Switch focus to the next/previous tab within a window** | `^ Ctrl+Tab ⎇` | `^ Ctrl+Tab ⎇ / ⎇ Cmd+` ` | | `^ Ctrl+Tab ⎇ -> ^ Ctrl+⎇ Shift+Tab ⎇ <-` |
| **Switch focus to the next/previous panel on the desktop** | | | | `^ Ctrl+⎇ Alt+Tab ⎇ / ⎇ Shift+^ Ctrl+⎇ Alt+Tab ⎇` |
| **Switch focus to the next/previous panel (without dialog)** | | | | `^ Ctrl+⎇ Alt+⎇ Esc / ⎇ Shift+^ Ctrl+⎇ Alt+⎇ Esc` |

## Command line shortcuts

Below is a list of common keyboard shortcuts that are used in a command line environment.

| Action | Microsoft Windows (cmd.exe) | Microsoft Windows (Windows PowerShell) | Unix/Linux/Mac OS X (bash) | Unix/Linux/Mac OS X (POSIX shell) |
|---|---|---|---|---|
| **Scroll through History of typed commands** | ↑/↓ | ↑/↓ | ↑/↓ or `^ Ctrl+P/^ Ctrl+N` | `⎇ Esc K/⎇ Esc J` |
| **Signal end-of-file** | `^ Ctrl+Z` | | `^ Ctrl+D` | |
| **Abort current command/typing** | `^ Ctrl+C` | `^ Ctrl+C` | `^ Ctrl+C` | `^ Ctrl+C` |
| **Erase word to the left** | `^ Ctrl+⎇ Backspace` | | `^ Ctrl+W` | |
| **Erase word to the right** | `^ Ctrl+⎇ Delete` | | `⎇ Alt+D` | |
| **Erase line to the left** | `^ Ctrl+⎇ Home` | `^ Ctrl+⎇ Home` | `^ Ctrl+U` | |
| **Erase line to the right** | `^ Ctrl+⎇ End` | `^ Ctrl+⎇ End` | `^ Ctrl+K` | |
| **Yank/paste previously erased string** | | | `^ Ctrl+Y` | |

| | | | | |
|---|---|---|---|---|
| **Move one word to the left (backward)** | ^ `Ctrl+←` | ⌥`Alt+←` | ⌥`Alt+B` | |
| **Move one word to the right (forward)** | ^ `Ctrl+→` | ⌥`Alt+→` | ⌥`Alt+F` | |
| **Move to beginning of line** | ⌂`Home` | ⌂`Home` or ⌘`Cmd+←` | ^ `Ctrl+A` or ⌂`Home` | |
| **Move to end of line** | ⌂`End` | ⌂`End` or ⌘`Cmd+→` | ^ `Ctrl+E` or ⌂`End` | |
| **Reverse search of history** | `F8` | `F8` | ^ `Ctrl+R` | |
| **Stop execution of the current job** | | | ^ `Ctrl+Z` | |
| **Insert the next character typed verbatim** | | | ^ `Ctrl+V` | |
| **Autocomplete command/file name** | `Tab` ⇥ (enabled by default in Windows XP and later) | `Tab` ⇥ | `Tab` ⇥ (usually once) | ⎋`Esc` (usually twice) |
| **Paste contents of clipboard at cursor** | | | ⇧`Shift+`⌦`Ins` | |
| **Scroll window up** | ⇧`Shift+PageUp` (may not work in some versions of Windows XP) | | ⇧`Shift+PageUp` | |
| **Scroll window down** | ⇧`Shift+PageDown` (may not work in some versions of Windows XP) | | ⇧`Shift+PageDown` | |

## Accessibility

- In Windows, it is possible to disable these shortcuts using the Accessibility or Ease of Access control panel.
- In GNOME, these shortcuts are possible if Universal Access is enabled.

| Action | Windows | Mac OS | KDE | GNOME |
|---|---|---|---|---|
| **Utility Manager** | ⊞`Win+U` | | | |
| **Use keyboard to control cursor** | (⇧`Alt+Left Shift+Numlock` | | | |
| **Allow user to press shortcuts one key at a time** | (⇧`Shift` 5 times) | | | ***(⇧`Shift` 5 times) |
| **Hear beep when -lock key pressed** | (`Numlock` for 5 seconds) | | | |
| **Stop/slow repeating characters when key is pressed** | (`Right Shift` for 8 seconds) | | | ***(⇧`Shift` for 8 seconds) |
| **Inverse (Reverse Colors) Mode** | ⇧`Alt+Left Shift+PrtScn` | ⌘`Cmd+`⌥`Opt+`^ `Ctrl+8` | ◆ `Meta+`⇧`Shift+i` (if enabled) | |
| **Inverse (Reverse Colors) Mode (Only current window)** | | | ◆ `Meta+`⇧`Shift+u` (if enabled) | |

## References

## External links

- General
  - Firefox browser keyboard shortcuts (http://support.mozilla.org/kb/Keyboard shortcuts)
- Mac OS X
  - Mac OS X keyboard shortcuts (http://support.apple.com/kb/HT1343)
  - Mac Keyboard Shortcuts (https://support.google.com/chrome/bin/answer.py?hl=en&answer=165450&topic=25799&ctx=topic)
  - General Windows Applications
    - Microsoft Support, Keyboard Shortcuts for Windows (http://support.microsoft.com/kb/126449)
    - Windows Keyboard Shortcuts (https://support.google.com/chrome/bin/answer.py?hl=en&answer=157179&topic=25799&ctx=topic)
- Linux/G.N.U.
  - GNOME
    - Useful keyboard shortcuts (http://library.gnome.org/users/gnome-help/stable/shell-keyboard-shortcuts.html.en)
    - Keyboard Navigation (http://library.gnome.org/users/gnome-help/stable/keyboard-nav.html.en)
    - Set Keyboard Shortcuts (http://library.gnome.org/users/gnome-help/stable/keyboard.html.en)
    - Universal Access (http://library.gnome.org/users/gnome-help/stable/a11y.html.en)
    - Usage (http://library.gnome.org/users/accessx-status/stable/accessx-applet-introduction.html.en)
    - Keyboard Interaction (http://developer.gnome.org/hig-book/3.0/input-keyboard.html.en)
    - http://library.gnome.org/users/gnome-help/unstable/* for the latest documentation of unstable
  - KDE
    - KDE keyboard shorcuts (http://techbase.kde.org/Projects/Usability/HIG/Keyboard_Shortcuts)
  - Office Suites
    - OpenOffice.org/LibreOffice
      - OpenOffice.org and LibreOffice Keyboard Shortcuts (http://community.linuxmint.com/tutorial/view/332)
  - Web Browsers
    - Mozilla Firefox for Linux
      - Keyboard Shortcuts (https://support.mozilla.org/en-US/kb/Keyboard shortcuts?s=control+shift+t&r=4&e=es&as=s#w_windows-tabs)
    - Google Chrom{e,ium}
      - Linux Keyboard Shortcuts (https://support.google.com/chrome/bin/answer.py?hl=en&answer=171571&topic=25799&ctx=topic)
    - Opera
      - Keyboard Shortcuts (http://help.opera.com/Linux/11.60/en/keyboard.html#key-navigation)
    - Web (previously Epiphany) official web browser for GNOME
      - Shortcuts (http://library.gnome.org/users/epiphany/stable/shortcuts.html.en#keyboard-shortcuts)

# Article Sources and Contributors

**Table of keyboard shortcuts** *Source*: http://en.wikipedia.org/w/index.php?oldid=586236336 *Contributors*: 16@r, AdultSwim, Alanc, Alerante, Alexanderathomas, Alexhangartner, Allefant, Andyhowlett, Anish9807, Aobdeijn, ArmedDonkey, Azman2000, BF2OWNS, Barek, Barntks, Bogo1983, Bookandcoffee, Borat fan, Brandonjp, Brunnecc, Brunonar, Btx40, Bugsandy85, Caujka, Che829, Cipher nemo, Claesh1, ClashTheBunny, Colinkgl, Credema, Czarkoff, Daira Hopwood, Danorton, Dariog88, Darren uk, DarthJDG, Davidhorman, Dewritech, Dgies, Dgmartin98, Dmcritchie, DoubleFelix, Dp76764, Dpirera, Dragice, DragonHawk, Dreftymac, Drevicko, Dsant, Dwiakigle, Edokter, EnderA, Endorphin, Est.r, Felix C. Stegerman, Fellowcontibutor, Firien, Fraggle81, Gatmaster, Ghettoblaster, Glutnix, GoingBatty, Greenantdotcom, HMSSolent, Hansdorsch, Hobartimus, Hooperbloob, Hvtuananh, Irfanh, J.delanoy, JGXenite, JHunterJ, Jacob Poon, JakkoWesterbeke, Jesuswaffle, Jim Winters, Jmarg12, Johannjs, Joren, Joseluisfb, Kalai r 2001, Karmela, Kingoomieiii, Kominiarzyk, Kormie, Kotecky, Kris Erickson, Kuyabribri, Kwpolska, Lirusaito, Livitup, LogX, Lokeshyadav99, Mabdul, Mailer diablo, Maraist, Matt Gies, Mattlh 13, Memeino, Mikeloco14, Mll1013, Mobus, Monoape, Mr700, MrOllie, Mstreet linux, MusikAnimal, My Ubuntu, Mysid, Naught101, Nikevich, Nn123645, NonSequitur, Numetalhead93, O.Koslowski, ONEder Boy, OlEnglish, Onorem, Osxshortcuts, Owlmonkey, P0lyglut, Pablo X, Paepaok, Panoramedia, Paradoctor, PatriciaJH, Patrick-Linux, Phatom87, Pirhounix, PolarYukon, Proagg, Psyche825, Psychonaut, Quensen, Quibik, Quizels, R'n'B, RJaguar3, Rafa2001, RayBirks, Real decimic, RedJimi, RevDan, Rj.amdphreak, Rjwilmsi, Ronz, Ryebread761, Salamurai, Sameer0s, SeanMon, Sensorsweep, Silversword411, Skagedal, Skew-t, Skierpage, Skullers, Slysplace, Sophus Bie, Spencer, Srleffler, Star Trek enthusiast, Stemonitis, Stenemo, Sucker0923, Supanatral, Sverrham, Svnpenn, Tabletop, Talkie Toaster, Techie11, Thumperward, Tkgd2007, Twotrue, Tyman 101, Tytrox, Ugncreative Usergname, Unschool, VEO15, VHbc5YCCIg, Vadmium, Vchimpanzee, Wavelength, Wiikipedian, WikHead, Wilshure, XU-engineer, Xerces8, Yogendra Rampuria, ZZyXx, Zarcillo, Zavrtak, Zazu115, Zenopus, Zwikipenguin, Zxombie, أحمد مصطفى السيد, 445 anonymous edits

# License