





















































Windows — Managing Emacs Windows













Operation	Keystroke	Function	Note																		
<div>Window Operations</div> <div>See also:<ul style="list-style-type: none">🔗 Customize🔗 Key-Chords🔗 Frames🔗 Speedbar🔗 Scrolling🔗 Sessions🔗 Tab Bar🔗 display-buffer🔗 Emacs Lisp Windows section</div> <div>📌 Intra-page links are available in the PEL Window Hydra cell below.</div>	<div>Emacs basic window management commands are bound to C-x o, C-x 0, C-x 1, C-x 2 and C-x 3 with some derivatives and support for multiple frames. These basic facilities can be extended by several built-in and external packages:</div> <ul style="list-style-type: none">🔗 windmove, built-in, activated by PEL, with different key bindings to preserve ability to shift-mark when moving across text with cursor.🔗 winner, also built-in, which provides the ability to restore previous window pane layouts. 📌 PEL activates it when pel-use-winner user option is t.📦 golden-ratio, activated by PEL 📌 when pel-use-golden-ratio is t or use-from-start.📦 layout-restore, activated by PEL 📌 when pel-use-restore-layout user-option is t. This associates layouts to buffers. ⚠️📌 conflicts with some modes.📦 ace-window activated by PEL 📌 when pel-use-ace-window user option is t, extends the C-x o command by displaying Ace target in the windows' upper left corner for quick navigation and access to buttons.📦 winum, activated by PEL 📌 when pel-use-winum is t or use-from-start, activates a the M-<f11> keys to move to numbers windows.📦 key-chord, activated by PEL 📌 when pel-use-key-chord user option is t activates dual-key chords to move across windows. See 🔗 Key-Chords📦 transpose-frame provides more layout commands. PEL activates it when pel-use-transpose-frame user-option is set to t. <div>Windows can be dedicated to specific buffers, for example by Speedbar (see 🔗 Speedbar).</div> <ul style="list-style-type: none">📦 window-purpose can be use to dedicate window to specific purposes 📌 activated by pel-use-window-purpose user-option.Several windows with the same buffers can operate as a single flow with follow mode.🍏 On macOS, in graphics mode only, the ⌘ key is mapped to the super prefix key (s-).♣️ On Windows, the Menu key is mapped to the hyper key. Below the ♣️ icon is used to represent the Menu key under Windows.🔵 In graphics mode, mouse operations are available. In terminal mode with PEL activate xterm-mouse-mode with <f11><f12> . <div>📌 Operations on windows can be applied to windows in other frames. In terminal mode only one frame is visible at a time though.</div>																				
<div>Open this PDF file.</div> <div>See also: 🔗 Help/Info</div>	<f11> w <f1>	(pel-help-pdf &optional OPEN-WEB-PAGE)	Open the 🔗 Windows local PDF. If the prefix argument (like C-u or M--) is used, then it opens the remote GitHub hosted raw PDF instead. If the pel-flip-help-pdf-arg user-option is set it's the other way around.																		
🔗 Customize PEL window control	<f11> w <f2>	(pel-customize-pel &optional OTHER-WINDOW)	Customize PEL Window support. <ul style="list-style-type: none">If OTHER-WINDOW is non-nil (use C-u) , display in other window.																		
🔗 Customize Emacs window control	<f11> w <f3>	(pel-customize-library &optional OTHER-WINDOW)	Customize Emacs Window support groups: windows, ace-window, ace-window-display, golden-ratio, winner, windmove, windresize and winum. <ul style="list-style-type: none">⚠️ windresize does not uses its own group. It places its customization inside the Emacs convenience group instead. PEL opens that group for it: look for Windresize user options there.																		
<div>Show window info</div> <div><ul style="list-style-type: none">🔗 Demystifying Emacs Window Manager🔗 Control where buffers are displayed🔗 Using Frame parameters🔗 Frame parameters🔗 Window Frame Parameters</div>	<ul style="list-style-type: none"><f11> w ?<f11> ? d w* <f7> I	(pel-show-window-info &optional ARG) <ul style="list-style-type: none">With M-0 or C-u prefix: print display-buffer control variables in a *pel-window-info* buffer.With M-1 or C-u C-u : same as M-0 but appends to the buffer. Use to collect info on several windows. <div>📌 The *pel-window-info* buffer has button that open help on the variable providing access to customization buffer.</div> <div>⚠️ If height is too small you can only see the bottom of the info. See in *Message* buffer.</div>	Show information about window, information show depends on command argument: <ul style="list-style-type: none">Without argument: print window attributes in minibuffer: #, buffer, size, dedicated, etc...																		
<div>Toggle window tab line</div>	<f11> w L * <f7> L	(global-tab-line-mode &optional ARG)	Toggle Tab-Line mode in all buffers. When active Emacs displays the window tab line showing the name of each buffer. Available in Emacs >= 27.1																		
<div>ace-window # on</div> <div>🔗 Mode Line</div>	<div>📌 With ace-window-display-mode user-option on, the window number is shown on the left of the mode-line. ⚠️ Activating it will increase your Emacs init time</div> <ul style="list-style-type: none">Type <f11> <f2> o ace-window-display-mode to open the customize buffer to change it. Use <f11> w # , to activate it manually.																				
<div>Toggle showing ace-window # on window mode line</div>	<ul style="list-style-type: none"><f11> w #<f11> M-d #	(ace-window-display-mode &optional ARG) <div>📦 Requires the ace-window external package. 📌 PEL use pel-use-ace-window .</div>	Toggle the ace-window-display-mode, a minor mode that displays the ace window number of each window inside the left hand side of its mode line.																		
<div>PEL Window Hydra</div> <div>Quickly:<ul style="list-style-type: none">Navigate through windowsSwap windowsOpen buffer in different windowClose window [Kill buffer]Tear window in<ul style="list-style-type: none">🔗 Frames🔗 Tab BarSplit windowCreate<ul style="list-style-type: none">side windowroot windowResize window:<ul style="list-style-type: none">Golden ratioto buffer's contentwith std Emacswith windresize</div> <div><ul style="list-style-type: none">Frame Layout:<ul style="list-style-type: none">Flip vertical/horizontalTranspose windowsWindow layout history<ul style="list-style-type: none">Save/restoreDedicate windowsDedicate window purposeFollow modeRecenter text in window</div>	<div>📦 Needs hydra external package. 📌 PEL user option pel-use-hydra set to t activate it & create a Hydra to speed up navigation and management of windows.</div> <div>To start this hydra, hit the <f7> key, then hit one of the listed hydra keys once or several times. To cancel the Hydra hit the <f7> key again.</div> <ul style="list-style-type: none">Then follow by typing the PEL Window Hydra keys, shown below. You can hit several different in succession without having to type the <f7> prefix again.While active the Hydra Hint is shown in the minibuffer (as shown below). Type the ? key to toggle the hint info off or back on.<ul style="list-style-type: none">To have the Hydra hint off when the Hydra activates set the hydra-is-helpful user option to nil (but then you can still toggle it on/off with ?). <div>📌 You can use other commands key sequences while the hydra is active. ⚠️ Don't issue command by name with M-x or M- : as some letter/# are Hydra bound.</div> <div>📌 Use the q key to quit from buffers that can be dismissed like the *Help* buffer. Use b and B to change the buffer currently visible in the current window.</div> <div>📌 You can prefix these commands with prefix arguments such as C-u and numerical prefix with M-0, M-1... M-9 to commands that accept them.</div> <div>📌 The ace-window command bound to C-x o key provides a partially overlapping feature set but has a different key assignment than the Hydra # key.</div> <ul style="list-style-type: none">The name of the PEL window hydra commands are not listed below. They all have a name that begins with pel-Σwnd/ and ends with the same name as the command function listed in the Function column. For example, pel-Σwnd/windmove-up is bound to <f7> <up>. <div>A snapshot of the window management hydra hint menu shows up in the minibuffer area as soon as one of its keys is pressed:</div> <table><tr><td>SplitF</td><td>SplitW</td><td>Layout</td><td>Frame</td><td>Move</td><td>Resize</td><td>Close</td><td>Buffer</td><td>Other</td></tr><tr><td><pre>/ 8: root↑ / 2: root↓ / 4: root↔ / 6: root- / 8: side↑ / 2: side↓ / 4: side↔ / 6: side-</pre></td><td><pre>2: - 3: C-<up>: ↑ C-<down>: ↓ C-<left>: ← C-<right>: → F: ->frame T: ->tab</pre></td><td><pre>s: fix size n: next layout p: last layout x: swap with.# M-v: flip2 vert M-h: flip2 horiz M-T: tab-bar-mod</pre></td><td><pre>M-f: new frame M-F: Del. frame): next frame (: prev frame M-o: flip horiz M-i: flip vert M-r: rotate M-t: transpose</pre></td><td><pre><up>: ↑ <down>: ↓ <left>: ← <right>: → o: other #: to #): next tab -: shrink [: prev tab</pre></td><td><pre>=: balance V: taller v: shorter H: wider h: narrower .: fit2buf): next tab -: shrink [: prev tab g: gold ratio</pre></td><td><pre>0: this 0: other 1: others C-S-<up>: above C-S-<down>: below C-S-<left>: left C-S-<right>: right C-t: tab</pre></td><td><pre>K: kill buf/win k: kill buffer b: next buffer B: prev buffer 5: recenter</pre></td><td><pre><M-up>: scroll down <M-down>: scroll up f: follow-mode I: info L: tab line M-?: hint cfg ?: hint q: quit <f7>: cancel</pre></td></tr></table> <div><div>Split frame</div><div>Split Window</div><div>info on window Change Layout</div><div>Move Point By win #</div><div>Resize window</div><div>Close window</div><div>Kill buffer, Change buffer Recenter</div><div>Scroll Window dedicated , follow-mode Help, quit, cancel</div></div> <div>Switch to the pel-Σbuffer Hydra by typing <f7><f7><f9> See 🔗 Buffers</div>			SplitF	SplitW	Layout	Frame	Move	Resize	Close	Buffer	Other	<pre>/ 8: root↑ / 2: root↓ / 4: root↔ / 6: root- / 8: side↑ / 2: side↓ / 4: side↔ / 6: side-</pre>	<pre>2: - 3: C-<up>: ↑ C-<down>: ↓ C-<left>: ← C-<right>: → F: ->frame T: ->tab</pre>	<pre>s: fix size n: next layout p: last layout x: swap with.# M-v: flip2 vert M-h: flip2 horiz M-T: tab-bar-mod</pre>	<pre>M-f: new frame M-F: Del. frame): next frame (: prev frame M-o: flip horiz M-i: flip vert M-r: rotate M-t: transpose</pre>	<pre><up>: ↑ <down>: ↓ <left>: ← <right>: → o: other #: to #): next tab -: shrink [: prev tab</pre>	<pre>=: balance V: taller v: shorter H: wider h: narrower .: fit2buf): next tab -: shrink [: prev tab g: gold ratio</pre>	<pre>0: this 0: other 1: others C-S-<up>: above C-S-<down>: below C-S-<left>: left C-S-<right>: right C-t: tab</pre>	<pre>K: kill buf/win k: kill buffer b: next buffer B: prev buffer 5: recenter</pre>	<pre><M-up>: scroll down <M-down>: scroll up f: follow-mode I: info L: tab line M-?: hint cfg ?: hint q: quit <f7>: cancel</pre>
SplitF	SplitW	Layout	Frame	Move	Resize	Close	Buffer	Other													
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<div>Another hydra is available to display window help and to change the dedication and purpose of window and/or its associated buffer.</div> <div>The purpose specific commands 📦 require the window-purpose external package, 📌 activated by pel-use-window-purpose user-option.</div>																					
<div><ul style="list-style-type: none">Activate that hydra with <f7> M-i M-i.All keys in the first 2 columns perform an action and display window information in the minibuffer.The keys in the “Dedicate” column toggle the state of window, buffer purpose and window purpose dedication.The M-p key toggle the purpose-mode. The M-b and M-w keys activate purpose-mode if it is not already active.</div>																					
<table><tr><td>Dedicate</td><td>Window info</td><td>Other</td></tr><tr><td>-----</td><td>-----</td><td>-----</td></tr><tr><td>M-d: window M-b: buffer purpose M-w: window purpose</td><td>M-i: current <up>:  <down>:  <left>:  <right>: </td><td>M-p: toggle purpose mode ?: hint <f7>: cancel</td></tr></table>				Dedicate	Window info	Other	-----	-----	-----	M-d : window M-b : buffer purpose M-w : window purpose	M-i : current <up> :  <down> :  <left> :  <right> : 	M-p : toggle purpose mode ? : hint <f7> : cancel									
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<div>winum</div>	📦 winum , activated by PEL 📌 when pel-use-winum is t or use-from-start, activates a the M-<f11> keys to move to numbers windows.																				
<div>Toggle winum-mode</div>	M-<f11> M-w	(winum-mode &optional ARG)	Toggle the minus global minor mode. This mode activates a window number in the window modeline. Use the M-<f11> followed by the M- with number 0 to 9 to move to that window.																		
<div>Move to widow by number</div>	<ul style="list-style-type: none">C-x w `M-<f11> M-`	(winum-select-window-by-number &optional ARG)	Select or delete window which number is specified by comment prefix ARG. <ul style="list-style-type: none">If the number is negative, delete the window instead of selecting it.																		
	<ul style="list-style-type: none">C-x w 0M-<f11> M-0	(winum-select-window-0-or-10 &optional ARG)	Jump to window 0 if assigned or 10 if exists. <ul style="list-style-type: none">If prefix ARG is given (like C-u or M--), delete the window instead of selecting it.																		
	<ul style="list-style-type: none">C-x w 1M-<f11> M-1... ..M-<f11> M-9C-x w 9	<ul style="list-style-type: none">(winum-select-window-1 &optional ARG)... ..(winum-select-window-9 &optional ARG)	Jump to window 1, 2,3,4,5,6,7,8,or 9 (depending on the key pressed). <ul style="list-style-type: none">If prefix ARG is given (like C-u or M--), delete the window instead of selecting it. <div>⚠️ When active the winum mode unfortunately steals the C-x w 0 and C-x w 2 key binding used by Emacs for other commands (delete-window-on and split-root-window-below)</div> <div>📌📌 Future version of PEL will remove these winum key bindings from its key-map.</div>																		

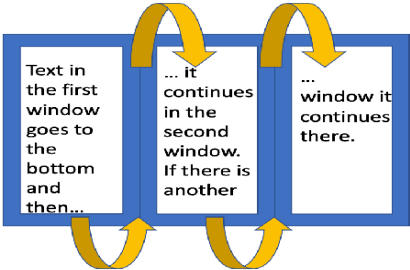
Operation	Keystroke	Function	Note
Move point to identified window <ul style="list-style-type: none"> Esc-cursor keys for windmove 	<p>Along with several other key bindings, PEL creates the <Esc>-cursor key bindings described below. In some circumstances, these key bindings can conflict with some other bindings, for example in Org-mode these keys can be translated to Meta-cursor keys that are bound to Org-mode operations.</p> <p> PEL provides the following user options to control the key bindings:</p> <ul style="list-style-type: none"> pel-windmove-on-esc-cursor controls the <Esc> bindings, it is on by default on macOS and Windows, but off on Linux. <ul style="list-style-type: none"> This affects the behaviour of the <Esc> cursor key bindings in org buffer as well to ensure a regular navigation across all buffers.   Several Linux distros map C-M- bindings such as C-M-<right> and C-M-<left> If this is not the case for your Linux system, you can activate this, otherwise don't because it will prevent you from using the Esc C- bindings in replacement for the C-M- bindings you need to access several Emacs commands. pel-windmove-on-f1-cursor controls the <f1> binding, also on by default. 		
Move to window above	<ul style="list-style-type: none"> <f11> <up> <f1> <up> <Esc> <up> ⌘-<up> ⬅-<up> * <f7> <up> yu 	(windmove-up &optional ARG)	<p>Select the window above the current one.</p> <ul style="list-style-type: none"> With no prefix argument, or with prefix argument equal to zero, "up" is relative to the position of point in the window; otherwise it is relative to the left edge (for positive ARG) or the right edge (for negative ARG) of the current window. If no window is at the desired location, an error is signalled. <p>  With PEL, the yu key-chord is also available when key-chord is available and active. See ℹ Key-Chords.</p>
Move to window below	<ul style="list-style-type: none"> <f11> <down> <f1> <down> <Esc> <down> ⌘-<down> ⬅-<down> * <f7> <down> bn 	(windmove-down &optional ARG)	<p>Select the window below the current one.</p> <ul style="list-style-type: none"> With no prefix argument, or with prefix argument equal to zero, "down" is relative to the position of point in the window; otherwise it is relative to the left edge (for positive ARG) or the right edge (for negative ARG) of the current window. If no window is at the desired location, an error is signalled. <p>  With PEL, the bn key-chord is also available when key-chord is available and active. See ℹ Key-Chords.</p>
Move to window at left	<ul style="list-style-type: none"> <f11> <left> <f1> <down> <Esc> <left> ⌘-<left> ⬅-<left> * <f7> <left> gf 	(windmove-left &optional ARG)	<p>Select the window to the left of the current one.</p> <ul style="list-style-type: none"> With no prefix argument, or with prefix argument equal to zero, "left" is relative to the position of point in the window; otherwise it is relative to the top edge (for positive ARG) or the bottom edge (for negative ARG) of the current window. If no window is at the desired location, an error is signalled. <p>  With PEL, the gf key-chord is also available when key-chord is available and active. See ℹ Key-Chords.</p>
Move to window at right	<ul style="list-style-type: none"> <f11> <right> <f1> <right> <Esc> <right> ⌘-<right> ⬅-<right> * <f7> <right> jk 	(windmove-right &optional ARG)	<p>Select the window to the right of the current one.</p> <ul style="list-style-type: none"> With no prefix argument, or with prefix argument equal to zero, "right" is relative to the position of point in the window; otherwise it is relative to the top edge (for positive ARG) or the bottom edge (for negative ARG) of the current window. If no window is at the desired location, an error is signalled. <p>  With PEL, the jk key-chord is also available when key-chord is available and active. See ℹ Key-Chords.</p>
Move point to other window <ul style="list-style-type: none"> C-u: swap C-u C-u: delete <ul style="list-style-type: none"> Move to other window Move to specified window Ace target Operate on specified window See also: ℹ Customize Demo: C'est la Z, video 5	<ul style="list-style-type: none"> C-x o * <f7> o 	(other-window COUNT &optional ALL-FRAMES)	<p>Select (move point) to other window. Select another window in cyclic ordering of windows.</p> <ul style="list-style-type: none"> With prefix argument consider all frames. This is Emacs default behaviour for this key.  And PEL's default: pel-use-ace-window = nil. Change it to activate the functionality described in next row.
	<ul style="list-style-type: none"> C-x o * <f7> # 	(ace-window ARG)	<p>Move to (and possibly operate on) window selected by an Ace target code.</p> <p> Requires the ace-window external package.  PEL downloads, installs and activates it when the pel-use-ace-window user option is set to t.</p>
	<ul style="list-style-type: none"> With only 2 windows in the current frame, move to the other window. With 3 windows or more: display an Ace target in the windows' upper left corner that identifies the window target: <ul style="list-style-type: none"> Type the displayed window number to move to that window . With C-x o you can also type one of the extra character before the window number: <div> <div> <ul style="list-style-type: none"> x - delete window M - move window j - select buffer u - select buffer in the other window v - split window vertically F - split window fairly, vertically or horizontally ? - show these command bindings </div> <div> <ul style="list-style-type: none"> m - swap windows c - copy window n - aw-flip-window: switch to the window previously used e - execute command other window b - split window horizontally o - maximize current window (delete others) </div> </div> <p> This supports selecting windows in other frames (both in graphics and terminal mode)</p> <ul style="list-style-type: none"> In graphics mode the other Emacs frames are in other OS <i>window</i>. In text terminal mode, other Emacs frames are hidden (as they occupy the exact same OS window): just one Emacs frame is displayed. <p> An argument can be used to perform more operations:</p> <ul style="list-style-type: none"> To force a window number prompt, use any negative prefix (including just typing C-- – alone). Useful with several frames when current frame has 1 or 2 windows active. Prefixed with one C-u, does a swap between the selected window and the current window, so that the selected buffer moves to current window (and current buffer moves to selected window). The PEL <f11> w x key does the same (but does not prompt when there are only 2 windows.) Prefixed with two C-u's, deletes the window identified by the window number. 		
Move point to next window <ul style="list-style-type: none"> can specify all frames 	<f11> w o	(pel-other-window &optional ALL-FRAMES)	<p>Move to other window, like the original other-window.</p> <ul style="list-style-type: none"> With any prefix argument consider all frames. Without argument move only within current frame. Useful when 'other-window' has been remapped to something like 'ace-window' and want to see where the <i>next</i> window is.
Move point to previous window <ul style="list-style-type: none"> can specify all frames 	<f11> w O	(pel-other-window-backward &optional N)	<p>Select Nth previous window. n defaults to 1 : meaning direct previous window.</p> <ul style="list-style-type: none"> with negative n: move as (abs n) but consider all frames. If n is positive consider only current frame. This is the inverse of what does the standard (other-window). This command might be useful when ace-window is not used.
Swap (eXchange) windows	<ul style="list-style-type: none"> <f11> w x * <f7> x 	(ace-swap-windows)	<p>Swap buffers of the current window with another. If 3 windows or more, a single digit shows up in the top-left corner identifying the number to type to swap to this window.</p> <p> Requires the ace-window external package.  PEL downloads, install and activates it when the pel-use-ace-window user options is set to t.</p>
Open Buffer in another window	<p>With the following commands you can show a different buffer inside another window. One command select (move point to) that window. The other does not.</p> <ul style="list-style-type: none"> Under PEL, the prompt for buffer name is using the input completion method currently active (default, Ido, Helm, ...) See ℹ Completion/Input for more information. 		
Display buffer in other window, don't select the other window.	<ul style="list-style-type: none"> C-x 4 C-o <f11> w b 	(ido-display-buffer) _ _ _ _ _ (display-buffer BUFFER-OR-NAME &optional ACTION FRAME)	<p>Display a buffer in other window but don't select it.</p>
Select buffer in other window	<ul style="list-style-type: none"> C-x 4 b <f11> w B 	(ido-switch-buffer-other-window) _ _ _ _ _ (switch-to-buffer-other-window BUFFER-OR-NAME &optional NORECORD)	<p>Select buffer bufname in another window (switch-to-buffer-other-window). See Select Buffer.</p>

Operation	Keystroke	Function	Note
Close Windows	The following commands are used to remove (close) windows. The last row correspond to a set of four PEL commands bound to cursor keys.		
Close this windows : number 0	<ul style="list-style-type: none"> C-x 0 * <f7> 0 	(delete-window &optional WINDOW)	This just closes the window and moves the cursor to the next window.
Close other (next) window : letter O	<ul style="list-style-type: none"> <f11> w w * <f7> 0 	(pel-close-other-window)	Close the other window. Hide its buffer, does not kill it. <ul style="list-style-type: none"> Useful to close temporary window, like the help window, without having to move into it.
Close all other windows	<ul style="list-style-type: none"> C-x 1 * <f7> 1 	(delete-other-windows &optional WINDOW)	Maximize current window: make current window fill its frame. Close all other windows.
Close window identified by number	<f11> w k	(ace-delete-window)	Delete a window selected by a number, a number shown in the top-left corner of the window. <ul style="list-style-type: none"> If there's only 2 windows, kills the other window. If only 1 window is used, does not kill it.  Needs ace-window external package.  PEL downloads, installs and activates it when the pel-use-ace-window user options is set to t.
Maximize window identified by number	<f11> w m	(ace-maximize-window) ----- (ace-delete-other-windows)	Maximize specified window. Close all windows except the window selected by number, a number shown in the top-left corner of the window.  Needs ace-window external package. The old versions used ace-window-maximize, but newer versions use ace-delete-maximize-windows. PEL uses the one that is available.  PEL downloads, install and activates it when the pel-use-ace-window user options is set to t.
Close a window identified by cursor direction	<ul style="list-style-type: none"> ESC C-S-<right> ESC C-S-<left> ESC C-S-<down> ESC C-S-<up> <f1> C-S-<right> <f1> C-S-<left> <f1> C-S-<down> <f1> C-S-<up> <f11> C-S-<right> <f11> C-S-<left> <f11> C-S-<down> <f11> C-S-<up> * <f7> C-S-<right> * <f7> C-S-<left> * <f7> C-S-<down> * <f7> C-S-<up> 	<ul style="list-style-type: none"> pel-close-window-right (pel-close-window-left) (pel-close-window-down) (pel-close-window-up) 	Kill window pointed by the cursor's direction. <ul style="list-style-type: none"> The 4 different commands and shown in the same cell for convenience, one for each of the available cursors: <right>, <left>, <down> and <up>. There are 4 possible sets of bindings: <ul style="list-style-type: none"> 3 sets of stand-alone commands: <ul style="list-style-type: none"> Commands with <f11> prefix, always available. Commands with ESC prefix,  available when pel-windmove-on-esc-cursor user option is on (set to t). Commands with <f1> prefix,  available when pel-windmove-on-f1-cursor user option is on (set to t). The Hydra-based commands, with the Hydra activated with any of the key sequences that use the <f7> prefix.  Available when pel-use-hydra user option is set to t.
Close all windows showing buffer	<ul style="list-style-type: none"> C-x w 0 <f11> w 0 	(delete-windows-on &optional BUFFER-OR-NAME FRAME)	Prompts for buffer name and delete all windows showing that buffer. <ul style="list-style-type: none"> With M-0 prefix: delete only windows in the current terminal's frames. Any other prefix argument means that only windows in the current frame will be deleted.
Kill current buffer and close window See also:  Buffers	<ul style="list-style-type: none"> C-x 4 0 * <f7> K 	(kill-buffer-and-window)	Kill the current buffer and delete the selected window.
Kill current buffer	* <f7> k	(pel-kill-current-buffer)	Kill current buffer and close window without prompting unless it is modified. In Hydra only.
Tear window in	With the following 2 Emacs commands you can extract the current window into a new  Frames or tab in the  Tab Bar (available in Emacs >= 27.1).		
Tear window in  Frames	C-x w ^ f <ul style="list-style-type: none"> <f11> w i f * <f7> F 	(tear-off-window CLICK)	Delete the selected window, and create a new frame displaying its buffer. <ul style="list-style-type: none"> See:  Frames
Tear window in tab bar See:  Tab Bar	C-x w ^ t <ul style="list-style-type: none"> <f11> w i t * <f7> T 	(tab-window-detach)	Move the selected window to a new tab . Emacs >= 27.1 <ul style="list-style-type: none"> This command removes the selected window from the configuration stored on the current tab, and makes a new tab with that window in its configuration.
Create Window by splitting current window	The following commands create a new window by splitting the current one. The last row correspond to a set of four PEL commands bound to cursor keys.  The split-window-keep-point user option controls whether point is kept at the same vertical position in both windows (t, the default). If nil, Emacs adjust point in the two windows to minimize redisplay. Change temporarily with: <f11> <f4> w s . Change permanently with: <f11> w <f3> 1 to access the customization buffer and modify the user option.		
Toggle split window point behaviour	<f11> w <f4> s	(pel-toggle-split-window-keep-point)	Toggle the value of split-window-keep-point between values described above. Print description of new value. Change only affects current Emacs session, not stored.
Create new window below	<ul style="list-style-type: none"> C-x 2 * <f7> 2 	(split-window-below &optional SIZE)	Split current window into 2 windows. Leave point in top window. Same buffer in both. <ul style="list-style-type: none"> Optional SIZE numerical argument identify line count of top window (if positive) or bottom window (if negative).
Create new window at right	<ul style="list-style-type: none"> C-x 3 * <f7> 3 	(split-window-right &optional SIZE)	Split current window into two side-by-side windows. Leave point in the left window. Same buffer in both. <ul style="list-style-type: none"> Optional SIZE numerical argument identify column count of left-hand window (if positive) or right-hand window (if negative).
Create window at cursor direction	<ul style="list-style-type: none"> ESC C-<right> ESC C-<left> ESC C-<down> ESC C-<up> <f1> C-<right> <f1> C-<left> <f1> C-<down> <f1> C-<up> <f11> C-<right> <f11> C-<left> <f11> C-<down> <f11> C-<up> * <f7> C-<right> * <f7> C-<left> * <f7> C-<down> * <f7> C-<up> 	<ul style="list-style-type: none"> (pel-create-window-right & optional SIZE) (pel-create-window-left & optional SIZE) (pel-create-window-down & optional SIZE) (pel-create-window-up & optional SIZE) 	Create a window at the location pointed by the cursor's direction, and move point inside the new window. <ul style="list-style-type: none"> Optional SIZE numerical argument identify either: <ul style="list-style-type: none"> line count of top window (if positive) or bottom window (if negative). column count of left-hand window (if positive) or right-hand window (if negative). The 4 different commands and shown in the same cell for convenience, one for each of the available cursors: <right>, <left>, <down> and <up>. There are 4 possible sets of bindings: <ul style="list-style-type: none"> 3 sets of stand-alone commands: <ul style="list-style-type: none"> Commands with <f11> prefix, always available. Commands with ESC prefix,  available when pel-windmove-on-esc-cursor user option is on (set to t). Commands with <f1> prefix,  available when pel-windmove-on-f1-cursor user option is on (set to t). The Hydra-based commands, with the Hydra activated with any of the key sequences that use the <f7> prefix.  Available when pel-use-hydra user option is set to t.
Create Side Windows	Use the following commands to create side windows : special windows positioned at any of the four sides of a frame's <i>root</i> window. This allows you, for example, to create a bottom window that spans the entire frame width under several vertically split windows.		
Create new side window that holds current buffer.	<ul style="list-style-type: none"> <f11> w \ 8 <f11> w \ 2 <f11> w \ 6 <f11> w \ 4 * <f7> \ 8 * <f7> \ 2 * <f7> \ 6 * <f7> \ 4 	<ul style="list-style-type: none"> (pel-buff-in-side-win-top &optional N) (pel-buff-in-side-win-bottom &optional N) (pel-buff-in-side-win-right &optional N) (pel-buff-in-side-win-left &optional N) 	Place current buffer in a new, dedicated side window. <ul style="list-style-type: none"> By default the side window is at the bottom of the current frame. <ul style="list-style-type: none"> Use a numeric argument to specify a different side: <div style="text-align: center;"> 8 := 'top 4 := 'left 6 := 'right 2 := 'bottom </div>
Toggle display of side windows in the frame	<ul style="list-style-type: none"> C-x w s <f11> w \ \ 	(window-toggle-side-windows &optional FRAME)	Toggle display of side windows on current frame. <ul style="list-style-type: none"> If FRAME has at least one side window, delete all side windows on FRAME after saving FRAME's state in the FRAME's 'window-state' frame parameter. Otherwise, restore any side windows recorded in FRAME's 'window-state' parameter, leaving FRAME's main window alone. Signal an error if FRAME has no side windows and no saved state for it is found.

Operation	Keystroke	Function	Note
Create Frame Root Windows	<div>👉 Emacs frame root windows, when first created, spans the entire width or height of the frame, regardless of how many windows already exist in the frame.</div> <div>⚠️ The native Emacs key bindings are available on Emacs 29.1 and later only. On earlier versions of Emacs PEL implements the commands.</div>		
Split root window above	<ul style="list-style-type: none"> <f11> w / 8 * <f7> / 8 	(pel-split-root-window-top &optional SIZE)	Split root window of current frame in two. <ul style="list-style-type: none"> The current window configuration is retained in the lower window, the top window takes up the whole width of the frame. Optional SIZE numerical argument sets line count of top window (if positive) or bottom window (if negative).
Split root window below	<ul style="list-style-type: none"> C-x w 2 • <f11> w / 2 * <f7> / 2 	(split-root-window-below &optional SIZE) (pel-split-root-window-bottom &optional SIZE)	Split root window of current frame in two. <ul style="list-style-type: none"> The current window configuration is retained in the top window, the lower window takes up the whole width of the frame. Optional SIZE numerical argument sets line count of top window (if positive) or bottom window (if negative).
Split root window right	<ul style="list-style-type: none"> C-x w 3 • <f11> w / 6 * <f7> / 6 	(split-root-window-right &optional SIZE) (pel-split-root-window-right &optional SIZE)	Split root window of current frame into two side-by-side windows. <ul style="list-style-type: none"> The current window configuration is retained within the left window, and a new window is created on the right, taking up the whole height of the frame. Optional SIZE numerical argument identify column count of left-hand window (if positive) or right-hand window (if negative).
Split root window left	<ul style="list-style-type: none"> • <f11> w / 4 * <f7> / 4 	(Pel-split-root-window-left &optional SIZE)	Split root window of current frame into two side-by-side windows. <ul style="list-style-type: none"> The current window configuration is retained within the right window, and a new window is created on the left, taking up the whole height of the frame. Optional SIZE numerical argument identify column count of left-hand window (if positive) or right-hand window (if negative).
Automatic Window Resize	The 🗜️ golden-ratio , is activated by PEL 🗜️ when pel-use-golden-ratio is t or use-from-start. <ul style="list-style-type: none"> With golden-ratio-mode active the current window is dynamically enlarged at the expense of other windows in the current frame. 		
Toggle golden-ratio mode	<ul style="list-style-type: none"> • <f11> w g * <f7> g 	(golden-ratio-mode &optional ARG)	Toggle automatic window resizing with golden ratio, a global minor mode. <ul style="list-style-type: none"> When active, the current window is enlarged at the expense of other windows, keeping a “golden ratio” of the space used by windows.
Fit window size to current buffer's content	<ul style="list-style-type: none"> C-x w - • <f11> w s . * <f7> . 	(fit-window-to-buffer &optional WINDOW MAX-HEIGHT MIN-HEIGHT MAX-WIDTH MIN-WIDTH PRESERVE-SIZE)	Adjust size of WINDOW to display its buffer's contents exactly. <ul style="list-style-type: none"> WINDOW must be a live window and defaults to the selected one. If WINDOW is part of a vertical combination, adjust WINDOW's height. The new height is calculated from the actual height of the accessible portion of its buffer. The optional argument MAX-HEIGHT specifies a maximum height and defaults to the height of WINDOW's frame. The optional argument MIN-HEIGHT specifies a minimum height and defaults to 'window-min-height'. Both MAX-HEIGHT and MIN-HEIGHT are specified in lines and include mode and header line and a bottom divider, if any. If WINDOW is part of a horizontal combination and the value of the option 'fit-window-to-buffer-horizontally' is non-nil, adjust WINDOW's width. The new width of WINDOW is calculated from the maximum length of its buffer's lines that follow the current start position of WINDOW. The optional argument MAX-WIDTH specifies a maximum width and defaults to the width of WINDOW's frame. The optional argument MIN-WIDTH specifies a minimum width and defaults to 'window-min-width'. Both MAX-WIDTH and MIN-WIDTH are specified in columns and include fringes, margins, a scrollbar and a vertical divider, if any.
Resize Window	The following commands are used to change the current window size. Except when used inside the hydra, none of these commands are easy to re-type quickly. <ul style="list-style-type: none"> The best way to use them is to type them once and then use a repeat key: <ul style="list-style-type: none"> Emacs native repeat key is C-x z once and then repeat more by only typing 'z'. PEL also binds the <f5> key to repeat. PEL also provides the Window Hydra (described above) which can be started with one of the following commands using the <f7> prefix. Once the Hydra is entered, commands can be issued again without any prefix. Each of the first 5 commands below have 5 possible bindings: <ul style="list-style-type: none"> The Emacs default key binding using the C-x prefix. The commands with the default PEL <f11> prefix, always available. The commands with ESC prefix, 🗜️ available when pel-windmove-on-esc-cursor user option is on (set to t). The commands with <f1> prefix, 🗜️ available when pel-windmove-on-f1-cursor user option is on (set to t). The Hydra-based commands, activated with any of the key sequences that use the <f7> prefix. 🗜️ Available when pel-use-hydra user option is set to t. 		
Toggle fixed size window constraint	<ul style="list-style-type: none"> • <f11> w s s * <f7> s 	(pel-toggle-window-size-fixed &optional STRICT)	Toggle the fix size window constraint. <ul style="list-style-type: none"> With optional argument STRICT, this sets the 'window-size-fixed' variable which imposes a strict size constraint, preventing Emacs from changing the size of the window even if it would be necessary to, for example, display the mini buffer. By default, with no argument, the size restriction is not strict; it prevents most operations to change the window size but Emacs can still change the size if it must, for example, make place for the mini buffer.
Grow window taller	<ul style="list-style-type: none"> C-x ^ • <f11> w s V • ESC M-<up> • <f1> M-<up> * <f7> V 	(enlarge-window DELTA &optional HORIZONTAL)	Grow window taller by DELTA lines (defaults to 1), specify more with C-u n (or M- n) argument prefix. <ul style="list-style-type: none"> See note above for availability of various bindings.
Shrink window smaller	<ul style="list-style-type: none"> • <f11> w s v • ESC M-<down> • <f1> M-<down> * <f7> v 	(shrink-window DELTA &optional HORIZONTAL)	Shrink height of window by DELTA lines (defaults to 1), specify more with C-u n (or M- n) argument prefix. <ul style="list-style-type: none"> See note above for availability of various bindings.
Grow windows wider	<ul style="list-style-type: none"> C-x } • <f11> w s H • ESC M-<right> • <f1> M-<right> * <f7> H 	(enlarge-window-horizontally DELTA)	Enlarge the current window horizontally. <ul style="list-style-type: none"> See note above for availability of various bindings.
Shrink window narrower	<ul style="list-style-type: none"> C-x { • <f11> w s h • ESC M-<left> • <f1> M-<left> * <f7> h 	(shrink-window-horizontally DELTA)	Reduce the width of the current window. <ul style="list-style-type: none"> See note above for availability of various bindings.
Make all windows the same size	<ul style="list-style-type: none"> C-x + • <f11> w s = • ESC <kp-5> • <f1> <kp-5> * <f7> = 	(balance-windows &optional WINDOW-OR-FRAME)	Balance the sizes of windows of WINDOW-OR-FRAME. <ul style="list-style-type: none"> WINDOW-OR-FRAME is optional and defaults to the selected frame. If WINDOW-OR-FRAME denotes a frame, balance the sizes of all windows of that frame. If WINDOW-OR-FRAME denotes a window, recursively balance the sizes of all child windows of that window. See note above for availability of various bindings.
Reduce current window size if buffer is smaller than window	<ul style="list-style-type: none"> C-x - • <f11> w s - * <f7> - 	(shrink-window-if-larger-than-buffer &optional WINDOW)	Shrink height of current window if its buffer doesn't need so many lines. <ul style="list-style-type: none"> More precisely, shrink window vertically to be as small as possible, while still showing the full contents of its buffer. Do not shrink window to less than 'window-min-height' lines. Do nothing if the buffer contains more lines than the present window height, or if some of the window's contents are scrolled out of view, or if shrinking this window would also shrink another window, or if the window is the only window of its frame.

Operation	Keystroke	Function	Note
Resize Window with windresize	Resize the current window quickly using the windresize command (mapped to <f11> w r by PEL).  Requires the windresize external package.  PEL activates it when pel-use-windresize user-option is set to t .  The windresize command <i>can</i> be used while the PEL Window Hydra is active, taking over Hydra keys. Complete and return to Hydra with RET		
Resize Window interactively	<f11> w r	(windresize &optional INCREMENT)	Resize windows interactively using the following minor mode keys. <ul style="list-style-type: none"> Use RET to complete or C–g to abort. Both exit the mode.
Resize window using cursors	<ul style="list-style-type: none"> <right> <left> <down> <up> 	<ul style="list-style-type: none"> (windresize-right &optional N LEFT-BORDER FIXED-WIDTH) (windresize-left &optional N LEFT-BORDER FIXED-WIDTH) (windresize-down &optional N LEFT-BORDER FIXED-WIDTH) (windresize-up &optional N LEFT-BORDER FIXED-WIDTH) 	Resize the current window in the direction of the used cursor. <ul style="list-style-type: none"> N is the number of lines by which moving borders.
Resize windows using direction opposite to cursor	<ul style="list-style-type: none"> C–<right> C–<left> C–<down> C–<up> 	<ul style="list-style-type: none"> (windresize-right-minus) (windresize-left-minus) (windresize-down-minus) (windresize-up-minus) 	Same as the above commands but use the direction opposite to the cursor.
Resize window bottom-right	/	(windresize-bottom-right)	Call ‘windresize-right’ and ‘windresize-down’ successively. <ul style="list-style-type: none"> In move-borders method, move the bottom-right edge of the window outwards. In resize-window method, enlarge the window horizontally and shrink it vertically.
Resize window top-right	\	(windresize-up-right)	Call ‘windresize-right’ and ‘windresize-up’ successively. <ul style="list-style-type: none"> In move-borders method, move the upper-right edge of the window outwards. In resize-window method, enlarge the window both horizontally and horizontally.
Resize window top-left	M– /	(windresize-up-left)	Call ‘windresize-left’ and ‘windresize-up’ successively. <ul style="list-style-type: none"> In move-borders method, move the upper-left edge of the window outwards. In resize-window method, shrink the window horizontally and enlarge it vertically.
Resize window bottom-left	M– \	(windresize-bottom-left)	Call ‘windresize-left’ and ‘windresize-up’ successively. <ul style="list-style-type: none"> In move-borders method, move the bottom-left edge of the window outwards. In resize-window method, shrink the window both horizontally and vertically.
Reposition window	<ul style="list-style-type: none"> C–M–<right> C–M–<left> C–M–<down> C–M–<up> 	<ul style="list-style-type: none"> (windresize-right-fixed) (windresize-left-fixed) (windresize-down-fixed) (windresize-up-fixed) 	Move the window to the direction identified by the cursor, keeping its width (or height) constant.
Set window resize/reposition increment step	i	(windresize-set-increment &optional N)	Set the window resize increment step value to N. <ul style="list-style-type: none"> Use a numeric argument prefix to set N interactively: <ul style="list-style-type: none"> For example: M–4 i sets the increment to 4.
Increase the resize/reposition increment step	+	(windresize-increase-increment &optional SILENT)	Increase the increment. <ul style="list-style-type: none"> If SILENT is non-nil, don’t output a message.
Decrease the resize/reposition increment step	–	(windresize-decrease-increment &optional SILENT)	Decrease the increment. <ul style="list-style-type: none"> If SILENT is non-nil, don’t output a message.
Negate resize/reposition increment	–	(windresize-negate-increment &optional SILENT)	Negate the increment value. Changes the direction of window resize operations. <ul style="list-style-type: none"> If SILENT is non-nil, don’t output a message.
Balance Windows	<ul style="list-style-type: none"> = C–x + 	(windresize-balance-windows)	Balance window sizes.
Delete current window	<ul style="list-style-type: none"> 0 C–x 0 	(delete-window &optional WINDOW)	Delete current window  During my testing C–x 0 behaved like windresize-other-window instead.  Should investigate. 0 works fine though.
Delete other windows	<ul style="list-style-type: none"> 1 C–x 1 	(windresize-delete-other-windows)	Delete other windows.
Split window vertically	<ul style="list-style-type: none"> 2 C–x 2 	(windresize-split-window-vertically)	Split window vertically. Creates 2 windows: one on top of the other.
Split window horizontally	<ul style="list-style-type: none"> 3 C–x 3 	(windresize-split-window-horizontally)	Split window horizontally. Creates 2 windows side by side.
Save window configuration	s	(windresize-save-window-configuration)	Save the current window configuration in the ring.
Restore window configuration	r	(windresize-restore-window-configuration)	Restore the previous window configuration in the ring.
Move point to other adjacent window	<ul style="list-style-type: none"> M–S–<right> M–S–<left> M–S–<down> M–S–<up> 	<ul style="list-style-type: none"> (windresize-select-right &optional ARG) (windresize-select-left &optional ARG) (windresize-select-down &optional ARG) (windresize-select-up &optional ARG) 	Select the window identified by the cursor. <ul style="list-style-type: none"> If ARG is nil or zero, select the window relatively to the point position. If ARG is positive, select relatively to the top edge and select relatively to the bottom edge otherwise.
Move point to other window	o	(windresize-other-window)	Select other window.
Move point to previous window	p	(windresize-previous-window)	Select the previous window.
Move point to next window	n	(windresize-next-window)	Select other window.
Set window layout and exit windresize	<ul style="list-style-type: none"> x RET 	(windresize-exit)	Keep this window configuration and exit ‘windresize’.
Cancel window layout and exit windresize	<ul style="list-style-type: none"> c q 	(windresize-cancel-and-quit)	Cancel window resizing and quit ‘windresize’. <ul style="list-style-type: none"> Restore window layout used before the entry into windresize mode. <ul style="list-style-type: none"> The layouts, are, however still available via winner-undo <f11> w p, with PEL.

Operation	Keystroke	Function	Note
Quick Window Layout Change	The following commands flip the layout of 2 windows: the current and <i>next</i> window between 2 horizontal windows to 2 vertical windows and vice versa.		
Flip 2 horizontal windows to 2 vertical ones	<ul style="list-style-type: none"> <code><f11> w v</code> <code>* <f7> M-v</code> 	(pel-2-vertical-windows)	Convert 2 horizontal windows into 2 vertical windows. <ul style="list-style-type: none"> Flip the orientation of the current window and its next one. <ul style="list-style-type: none"> The next window is placed at the right of the current window.
Flip 2 vertical windows to 2 horizontal ones	<ul style="list-style-type: none"> <code><f11> w h</code> <code>* <f7> M-h</code> 	(pel-2-horizontal-windows)	Convert 2 horizontal windows into 2 horizontal windows. <ul style="list-style-type: none"> Flip the orientation of the current window and its next one. <ul style="list-style-type: none"> The next window is placed below the current one.
Window layout transpose	The  external transpose-frame package. PEL activates it when pel-use-transpose-frame user-option is set to t .		
Rotate windows 90 degrees counter-clockwise 	<ul style="list-style-type: none"> <code><f11> w t a</code> <code>* <f7> M-r</code> 	(rotate-frame-anticlockwise &optional FRAME)	Rotate windows arrangement 90 degrees counter-clockwise.
Rotate windows 90 degrees clockwise 	<code><f11> w t c</code>	(rotate-frame-clockwise &optional FRAME)	Rotate windows arrangement 90 degrees clockwise.
Flip windows vertically: 	<ul style="list-style-type: none"> <code><f11> w t i</code> <code>* <f7> M-i</code> 	(flip-frame &optional FRAME)	Flip windows arrangement vertically.
Flip window horizontally: 	<ul style="list-style-type: none"> <code><f11> w t o</code> <code>* <f7> M-o</code> 	(flop-frame &optional FRAME)	Flip windows arrangement horizontally.
Rotate windows 180 degrees	<code><f11> w t r</code>	(rotate-frame &optional FRAME)	Rotate windows arrangement 180 degrees.
Transpose windows	<ul style="list-style-type: none"> <code><f11> w t t</code> <code>* <f7> M-t</code> 	(transpose-frame &optional FRAME)	Transpose windows arrangement.
Window Layout History	The following commands allow you to restore a previously used window layout. Two packages are available . The winner package, a package that is part of the standard Emacs.  PEL activates them when pel-use-winner user option is t .		
Restore an earlier window configuration	<ul style="list-style-type: none"> <code>C-c <left></code> <code><f11> w p</code> <code>* <f7> p</code> 	(winner-undo)	Switch back to an earlier window configuration saved by Winner mode. In other words, "undo" changes in window configuration.
Restore a more recent window configuration	<ul style="list-style-type: none"> <code>C-c <right></code> <code><f11> w n</code> <code>* <f7> n</code> 	(winner-redo)	Restore a more recent window configuration saved by Winner mode.
Save/Restore window layout	The  external layout-restore package. PEL activates it with pel-use-restore-layout user-option set to t . This associates layouts to buffers.  This needs investigation work - use caution.		
Save Window layout	<code><f11> w l s</code>	(layout-save-current)	Save the current layout, add a list of current layout to layout-configuration-alist .
Restore Layout	<code><f11> w l r</code>	(layout-restore &optional BUFFER)	Restore the layout related to the buffer BUFFER, if there is such a layout saved in ' layout-configuration-alist ', and update the layout if necessary.
Delete Layout	<code><f11> w l d</code>	(layout-delete-current &optional BUFFER)	Delete the layout information from ' layout-configuration-alist ' if there is an element list related to BUFFER.
Dedicated Windows	Emacs windows can be dedicated to specific buffers in such a way that future windows operations do not affect the dedicated windows. You can make a window dedicated or remove the dedicate attribute with the following command. Use <code><f11> w ?</code> to show the current window state.		
Toggle dedicated status of current window	<ul style="list-style-type: none"> <code><f11> w d</code> <code>* <f7> M-i d</code> 	(pel-toggle-window-dedicated)	Toggle the dedicated status of the current window, changing a normal window into a dedicated one and a dedicated window into a normal one.  Use with care after learning about dedicated windows .
Dedicate Window Purpose	 window-purpose can be use to dedicate window to specific purposes  activated by pel-use-window-purpose user-option. The following commands are available. Some of them are also available in the PEL window info hydra which is invoked with its <code><f7> M-i</code> hydra head. The hydra invoked command also prints window information, something the command invoked in other ways does not do.		
Toggle purpose-mode	<ul style="list-style-type: none"> <code><f11> w P P</code> <code>* <f7> M-i M-p</code> 	(purpose-mode &optional ARG)	Toggle Purpose mode on or off. This is a global minor mode. <ul style="list-style-type: none"> PEL window info hydra can be activated with the hydra head <code><f7> M-i</code> and then M-p
Show purpose-mode control options	<code><f11> w P ?</code>	(pel-show-window-purpose-info &optional APPEND)	Show 'purpose-mode' control user-options in "pel-window-info" buffer. <ul style="list-style-type: none"> With non-nil optional APPEND argument; append text to the buffer. Provides quick access to help/customization buffer to define the various <i>purposes</i>.  After modifying these you must compile the settings. Use <code><f11> w P C</code>
Activate purpose-mode settings	<code><f11> w P C</code>	(pel-compile-window-purpose-user-options)	Activate the latest window-purpose user-options. <ul style="list-style-type: none"> Always execute after modifying purpose-mode user-options
Toggle window dedication to its current buffer	<ul style="list-style-type: none"> <code><f11> w P B</code> <code>* <f7> M-i M-b</code> 	(purpose-toggle-window-buffer-dedicated &optional WINDOW)	Toggle window WINDOW's dedication to its current buffer on or off. <ul style="list-style-type: none"> The PEL Window Info hydra instance of the command also print window info.
Toggle window dedication to its purpose	<ul style="list-style-type: none"> <code><f11> w P W</code> <code>* <f7> M-i M-w</code> 	(purpose-toggle-window-purpose-dedicated &optional WINDOW)	Toggle window WINDOW's dedication to its purpose on or off. <ul style="list-style-type: none"> The PEL Window Info hydra instance of the command also print window info.
Close all non dedicated to their purpose or buffer	<code><f11> w P l</code>	(purpose-delete-non-dedicated-windows)	Delete all windows that aren't dedicated to their purpose or buffer.
Load a purpose-aware window layout	<code><f11> w P L L</code>	(purpose-load-window-layout &optional NAME LAYOUT-DIRS)	Load a window layout. Prompt the user for the name of a window layout. <ul style="list-style-type: none"> It searches the layout in the default specified by defaults to 'purpose-layout-dirs'. <ul style="list-style-type: none"> If 'purpose-use-built-in-layouts', then 'purpose--built-in-layouts-dir' is also searched. See 'purpose-find-window-layout' for more details.
Load a purpose-aware window layout from file	<code><f11> w P L l</code>	(purpose-load-window-layout-file &optional FILENAME)	Load window layout from file FILENAME, providing the default.
Save a purpose-aware window layout	<code><f11> w P L S</code>	(purpose-save-window-layout NAME DIRECTORY)	Save a window layout. Prompt for NAME, the name to give the window layout, then prompt for DIRECTORY, the directory in which to save the layout. Tab completion provides default directory.
Save a purpose-aware window layout to file	<code><f11> w P L s</code>	(purpose-save-window-layout-file &optional FILENAME)	Save window layout of current frame to file FILENAME. If FILENAME is nil, use 'purpose-default-layout-file' instead.
Load most recent purpose-aware window layout	<code><f11> w P L r</code>	(purpose-reset-window-layout)	Load most recent window layout from 'purpose-reset-window-layouts' ring variable. <ul style="list-style-type: none"> If there is no recent layout, do nothing.
Switch to buffer with purpose	<code><f11> w P S B</code>	(purpose-switch-buffer-with-purpose &optional PURPOSE)	Prompt the user and switch to a buffer with purpose PURPOSE. If called interactively, or with PURPOSE nil, PURPOSE defaults to the current buffer's purpose.

Operation	Keystroke	Function	Note
Switch to buffer without taking purpose into account	<f11> w P S b	(switch-buffer-without-purpose)	Same as C-x b when purpose-mode is not active.
Follow Mode	<p>Emacs has a scroll all windows mode which applies all scroll commands to all visible windows. To support mouse wheel or scroll bar you need to implement extra code as suggested by the Emacs Wiki Scroll All Mode page.</p> <p>See also: ☞ Scrolling</p> <p>Emacs follow-mode using 3 windows</p> 		
Toggle follow-mode See also: ☞ Scrolling	<ul style="list-style-type: none"> <f11> w f <f11> f 	(follow-mode &optional ARG)	When Emacs follow-mode is used on 2 or more windows, these windows show the text of the same buffer spread across these windows that act as a one continuous stream. <ul style="list-style-type: none"> Follow mode is a minor mode that combines windows into one tall virtual window. This is accomplished by two main techniques: <ul style="list-style-type: none"> The windows always displays adjacent sections of the buffer. This means that whenever one window is moved, all the others will follow. (Hence the name Follow mode.) Should point (cursor) end up outside a window, another window displaying that point is selected, if possible. This makes it possible to walk between windows using normal cursor movement commands. Follow mode comes to its prime when used on a large screen and two or more side-by-side windows are used. The user can, with the help of Follow mode, use these full-height windows as though they were one.
recentering in current window	<p>The following 2 command do not move point, but reposition the text in the current window.</p> <ul style="list-style-type: none"> These are quite useful as they can be used to refresh the view in the current window. <p>See also: ☞ Navigation</p>		
Position current line to window's Center / Bottom / Top. Refresh screen.	<ul style="list-style-type: none"> C-1 <f11> C-1 * <f7> 5 	(recenter-top-bottom &optional ARG)	<p>Without argument: moves the current line to window: center -> top -> bottom.</p> <ul style="list-style-type: none"> With arg: centre first: <ul style="list-style-type: none"> C-u C-1 C-1 C-1 C-1 → center → bottom → center → top With negative arg: bottom first: <ul style="list-style-type: none"> C-- C-1 C-1 C-1 → bottom → center → top With arg 0: top first: <ul style="list-style-type: none"> M-0 C-1 C-1 C-1 → top → bottom → center <ul style="list-style-type: none"> With numeric positive: move current line to window top position N With negative numeric: move current line to bottom window position: -1 := last line PEL provides the <f11> C-1 key binding because some modes use C-1 as a prefix key.
Reposition comment/definition in full view	<ul style="list-style-type: none"> C-M-1 C-[C-1 Esc C-1 	(reposition-window &optional ARG)	<p>Attempts to make the current comment or current definition fully visible by scrolling the lines without changing the point.</p> <ul style="list-style-type: none"> Further invocations move it to the top of the window or toggle the visibility of comments that precede it (by scrolling the lines).

Windows — Reference

Topic/URL	Comment
GNU Emacs — Displaying a Buffer in a Window	Describes the Emacs features related to displaying buffers inside windows.
GNU Emacs Lisp — Displaying Buffers — The Zen of Buffer Display	Describes the rules Emacs tries to use to control the creation of new windows when they are created dynamically from commands.
Controlling what window is used to display a buffer	See ☞ display-buffer