

Speedbar / Sr-Speedbar

Description	Keystroke	Function	Note
Speedbar Frame and SR-Speedbar See also:  iMenu/Speedbar support  Speedbar/iMenu Mode Compatibility  Menus	The Speedbar provides a vertical <i>strip menu</i> window that can list the following information in a collapsable tree format: - Files of interest in a directory - items inside each of these files detected by either the imenu or etags systems: type, variable, function definitions. - Opened buffers with the same items inside each of them. - Emacs has built-in support for Speedbar. - Speedbar uses a different frame. Easily seen in graphics mode, but also available when Emacs is used in terminal mode. However since Emacs running in Terminal shows only one frame at a time and you must use an Emacs frame command to see it, its usefulness is reduced.  The Sr-Speedbar external package provides better support for Emacs running in terminal mode as it is able to use a dedicated window of the same Emacs frame. It can also be used when Emacs is running in graphics mode. PEL manages the installation of SR-Speedbar and uses a version of SR-Speedbar hosted on Github. PEL also provides extended functionality for it.  The projectile-speedbar external package extends both Speedbar and SR-Speedbar by showing more than just the relevant files of the current directory: it allows navigating across all directories inside the project as seen by projectile. Since a DVCS repository is understood by projectile as being a collection of directories/files in a project, it provides a broader view.  PEL provides the following user-options to activate these packages (and, in the case of the external packages, to control their installation): pel-use-speedbar : Set it to t to activate the use of Speedbar and Sr-Speedbar pel-prefer-sr-speedbar-in-terminal : t by default, forcing the use of Sr-Speedbar in terminal mode. Set it to nil to use Speedbar in terminal mode. pel-use-projectile-speedbar : Set it to t to activate projectile-speedbar In PEL, M-x customize-group pel-pkg-for-speedbar to open the custom group to activate one or several of the following user option. Save the settings in a file and restart Emacs. Once this is done you can use <f11> M-s <f2> to access it.  Speedbar availability and item extraction control: - Speedbar support for a file is controlled by the speedbar-supported-extension-expressions user-option. - PEL dynamically adds file extensions with the pel-add-speedbar-extension function. - The information shown is determined by the imenu or etags support for each of the file extension associated major-modes. - It is possible to add support for more major modes and to enhance the information shown by adding more support for imenu or etags. - PEL does that for some of the modes that do not properly support Speedbar.  See major mode compatibility information is available in the  Speedbar/iMenu Mode Compatibility table.  Several settings are available for each of these 3 packages. Once pel-use-speedbar is turned on, use <f11> M-s <f3> to access their customization pages. Be aware of the following important settings: - Speedbar: speedbar-tag-hierarchy-method: controls the way the entries are listed in the speedbar. - They can be abbreviated, common prefixed, sorted, or just listed. More methods can be added via hooks. Each hook can be activated or unused. - The icons used in the graphics mode look ancient. Replaced them with ASCII text by customizing speedbar-use-images user-option to off (nil). - SR-Speedbar: - sr-speedbar-right-side: turn it off if you want that SR-Speedbar to show on the left-hand side instead of the default right-hand side.		
Open this PDF file. See also: 🔗 Help/Info	<f11> M-s <f1>	(pel-help-pdf &optional OPEN-WEB-PAGE)	Open the 🔗 Speedbar 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 Speedbar control	<f11> M-s <f2>	(pel-customize-pel &optional OTHER-WINDOW)	Customize PEL Speedbar support. If OTHER-WINDOW is non-nil (use C-u) , display in other window.
🔗 Customize Emacs Speedbar control	<f11> M-s <f3>	(pel-customize-library &optional OTHER-WINDOW)	Customize Emacs support of one of 1) Speedbar, 2) SR-SPEEDbar or 3) /Projectile Speedbar. Note that the Speedbar customization group has the following sub-groups: - Speedbar Faces : faces used in speedbar - Speedbar Vc : version control display in speedbar - Sr Speedbar (which can also be accessed by selecting option 2).
Open/close a speedbar	<f11> M-s M-s	(pel-open-close-speedbar)	Use/close appropriate speedbar: Speedbar or SR-Speedbar . - In text mode always use the SR-Speedbar which opens inside the same frame. - In graphics mode, both are supported, but only one type can be used in an Emacs session. - Prompt to ask which one to use on the very first call and keep using that one in the subsequent calls.
Show Speedbar control variables	<f11> M-s ?	(pel-speedbar-info)	Display Speedbar control variables inside a *speedbar-dbg* buffer.  You may also want to use <f11> ? e i to display the imenu control variables.
Speedbar/SR-Speedbar	Global Operations: The following commands support both Speedbar and sr-speedbar .		
Change frame focus to or from the speedbar frame/window.	<f11> M-s M-t	(pel-toggle-to-speedbar)	Select/unselect Speedbar window. Move point to speedbar frame or sr-speedbar window or back. If no speedbar is active open it.  Window toggling is only allowed when the SR-Speedbar is used, not for Speedbar.
Refresh the current speedbar display, disposing of any cached data.	<f11> M-s M-r	(pel-speedbar-refresh)	Force refresh of speedbar content.
Toggle auto refresh speedbar content. 	<f11> M-s M-R	(pel-speedbar-toggle-refresh)	Toggle automatic refresh of used Speedbar.
Toggle display of files speedbar can not tag and hidden files. (In File mode) 	<f11> M-s M-a	(pel-speedbar-toggle-show-all-files)	Toggles display of the level 1 hidden files : files that have no tag expansion method. - Warns if the speed-bar is currently not opened. - When shown level-1 hidden files per shown after the [?] line prefix.
		 Speedbar's default behaviour depends on the value of the speedbar-show-unknown-files user option.	
Toggle tag sorting 	<f11> M-s M-o	(pel-speedbar-toggle-sorting)	Toggle tag sorting. Use when Speedbar window is opened.
 Speedbar content is not updated automatically: after executing the command you must contract and re-expand them to see the change.  If the speedbar-tag-hierarchy-method user-option includes the speedbar-trim-words-tag-hierarchy function sorting will have no effect. To see an impact, modify this speedbar user-option and remove that function. With PEL you can access the speedbar customize buffer with <f11> M-s <f3> key sequence.			
Toggle use of images 	<f11> M-s M-i	(pel-speedbar-toggle-images)	Toggle use of images in the speedbar frame. Available in graphics mode only . Warns if the speed-bar is currently not opened.
Toggle SR-Speedbar select behaviour 	<f11> M-s M-b	(pel-sr-speedbar-toggle-select-behaviour)	Toggle SR-Speedbar selection behaviour from what is selected by the pel-sr-speedbar-move-point-to-target-on-select PEL user-option.
		The behaviours are: 1- Move point to the target window selected by the SR-Speedbar operation. 2- The selected target is visited inside another window but keep point inside the SR-Speedbar buffer after a new selection. SR-Speedbar alone always uses the second behaviour. PEL user-option defaults to behaviour 1.	
Focus Speedbar on the content of file or buffer in current window See also: 🔗 Navigation	<f11> M-s M-f	(pel-speedbar-focus-current-file &optional STAY-IN-SPEEDBAR)	Set SR-Speedbar focus to the content of the buffer/file in the current window. - Place the its tag list at the top of the speedbar and expand all first and second level items. - With key-prefix, move point to speedbar, otherwise don't move it.  Current implementation only supports SR-Speedbar.
Expand Speedbar to the entire projectile project directories and files See also: 🔗 Projectile	<f8> M-s	(projectile-speedbar-open-current-buffer-in-tree)	With a speedbar already opened, expand it to the entire current projectile project directories and files.
		 Requires the projectile-speedbar external project.  PEL activates it when the pel-use-projectile-speedbar user-option is set to t .  To use this command you must first activate projectile.  The command fails if issued when point lies inside the speedbar window.	

Description	Keystroke	Function	Note
Speedbar/SR-Speedbar	Indicators: line prefixes and file suffixes shown inside the Speedbar and SR-Speedbar buffer window and their meaning.		
Line prefix	[+] or <+> : Expand the content of the item: 1) for directory: the list of files, or 2) for a file: the list of items/tags in the file. [-] : Contract the item; hide its content. [?] : Indicates a file that supports no tag expansion mechanism. These correspond to level-1 hidden files. Use <f11> M-s M-a to toggle the inclusion of these files in the Speedbar file list. {+} : Expand the group of tags.		
File suffixes	* : File checked out of VCS — was written for RCS, not reliable for modern DVCS. ? : File does not have imenu support but not expressly ignored. 🗑️ Files that match ‘speedbar-file-unshown-regexp’ are fully ignored. # : File that have an object file associated with it. ! : File that have an object file associated with it, and that object file is out of date. % : Buffer is read-only.		
Speedbar/SR-Speedbar	View Modes: The Speedbar can operate in various modes. Several modes are built-in and other can be implemented. The built-in modes include: • Directory/File View : used by default, that shows a list of directory and files. • Quick Buffer View: shows a list of currently opened buffers. When selecting a buffer, point moves to the buffer window. • Buffer View: shows a list of currently opened buffers. When selecting a buffer, buffer is opened in a window but point stays in Speedbar window. • Info View: used for buffer in info-mode: displays the list of info nodes. • GDB View: shows the current stack to the “gdb” buffer. • RMAIL View: used when using RMAIL. Displays 2 sections: a reply button and the list of all RMAIL folders.		
Keys to select Speedbar View mode	Use the following keys to switch the Speedbar buffer view: b : Select Quick Buffer View. Once in Quick Buffer View mode, type b again to select the Buffer View mode. 💡 The Speedbar Quick Buffer View is very useful to show the complete name of customization buffer and visit it. f : Select the Directory/Files View. r : revert to previous expansion (Speedbar only - does not seem to work in SR-Speedbar)		
Keys available in all views	The following keys are available in all Speedbar View modes		
Move to next line	n	(speedbar-next ARG)	Move to the next ARGth line in a speedbar buffer. By default, move to next line.
Move to previous line	p	(speedbar-prev ARG)	Move to the previous ARGth line in a speedbar buffer. By default move to previous line.
Move to next line in current sub-node	M-n	(speedbar-restricted-next ARG)	Move to the next ARGth line in a speedbar buffer at the same depth. • This means that movement is restricted to a subnode, and that siblings of intermediate nodes are skipped.
Move to previousline in current sub-node	M-p	(speedbar-restricted-prev ARG)	Move to the previous ARGth line in a speedbar buffer at the same depth. • This means that movement is restricted to a subnode, and that siblings of intermediate nodes are skipped.
Move forward over the complete list	C-M-n	(speedbar-forward-list)	Move forward over the current list. • A LIST in speedbar is a group of similarly typed items, such as directories, files, or the directory button.
Move backward over the complete list	C-M-p	(speedbar-backward-list)	Move backward over the current list. • A LIST in speedbar is a group of similarly typed items, such as directories, files, or the directory button.
Edit current item	• e • RET	(speedbar-edit-line)	Edit whatever tag or file is on the current speedbar line: • Directory: open content of directory identified by point position. Replace speedbar buffer with the content of that directory. • File: open file in a (new) buffer. • Tag: move to the file/location identified by the tag.
Contract/expand item	SPC	(speedbar-toggle-line-expansion)	Contract or expand the line under the cursor. 1) Directory: expand/contract directory tree in place. 2) File: expand/contract tags list if any.
Expand current line	• + • =	(speedbar-expand-line &optional ARG)	Expand the line under the cursor. 1) Directory: expand directory tree in place. 2) File: expand tags list if any. • With universal argument ARG, flush cached data. • In Info View mode the + key can be used to expand a [+] node, but not the = key.
Expand descendants	[	(speedbar-expand-line-descendants &optional ARG)	Expand the line under the cursor and all descendants. • Optional argument ARG indicates that any cache should be flushed. • ⚠️ If there’s a lot of descendants that may take some time.
Contract descendants	]	(speedbar-contract-line-descendants)	Expand the line under the cursor and all descendants
Refresh speedbar	g	(speedbar-refresh &optional ARG)	Refresh the current speedbar display, disposing of any cached data. • Argument ARG represents to force a refresh past any caches that may exist. • Removes current file focus if there was one set by <f8> M-s
Toggle automatic update of the speedbar frame	t	(speedbar-toggle-updates)	Toggle automatic update for the speedbar frame. • With automatic update on, Speedbar tracks the content of the associated buffer. Otherwise it does not. ⚠️ This does not seem to work with SR-Speedbar: I have not been able to stop the automatic refresh.🔥🔥🔥
Close Speedbar frame	q	(dframe-close-frame)	Close the current frame if it is dedicated. Quit speedbar and hide the frame. • It’s faster to restore the speedbar than if you kill the frame with Q.
Kill Speedbar frame	Q	(delete-frame &optional FRAME FORCE)	Quit speedbar and kill the frame.
File View Keys	The following rows describe the keys available in the Speedbar File view.		
Display parent directory	U	(speedbar-up-directory)	Display parent directory of current line’s directory.
Display info on current item	I	(speedbar-item-info)	Display info in the minibuffer about the current item. • For files and directories, the information corresponds to the output of ‘ls -l’ for the file/directory.
Copy File	C	(speedbar-item-copy)	Copy the item under the cursor. • Files can be copied to new names or places.
Create new Directory	M	(speedbar-create-directory)	Create a directory in speedbar.
Rename file/directory	R	(speedbar-item-rename)	Rename the item under the cursor or mouse. • Files can be renamed to new names or moved to new directories.
Delete current file	D	(speedbar-item-delete)	Delete the item under the cursor. Files are removed from disk. • Prompts for confirmation.
Delete objet file associated with current file	O	(speedbar-item-object-delete)	Delete the object associated from the item under the cursor. • The file is removed from disk. The object is determined from the variable ‘speedbar-obj-alist’.
Byte compile file	B	(speedbar-item-byte-compile)	Byte compile the current item if it is a Lisp file. • A message in the minibuffer shows the compiled file if the compilation succeeded. If the compilation failed, a “compile-log” buffer is opened with the errors.
Load current Lisp file	L	(speedbar-item-load)	Load the current item if it is a Lisp file.

