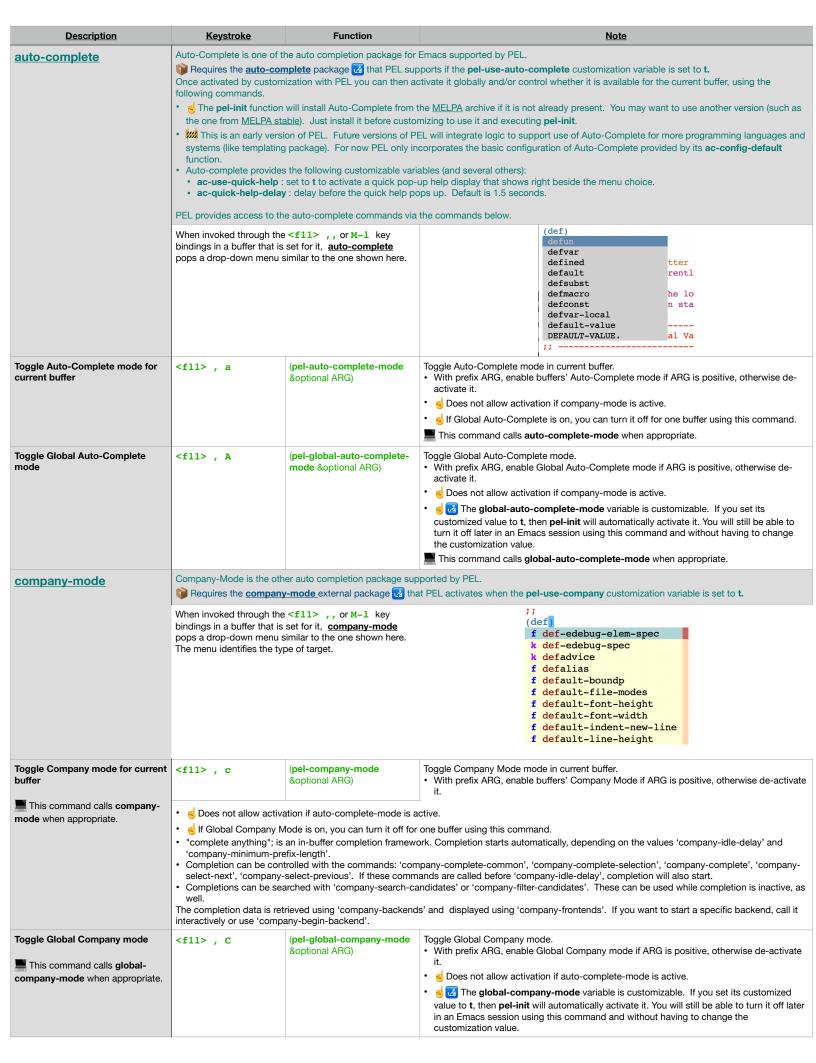
Auto-Completion Support

<u>Description</u>	<u>Keystroke</u>	Function	Note	
Auto Completion	When writing text or source		t for completing what you type in the buffer: this is called auto-completion .	
Built-in completion PEL controlled completion			ble via the (completion-at-point) command bound to C-M-i . ch provides an easy-to-use in-buffer completion help.	
o auto-complete	PEL supports the following external packages which provide pop-up menu completion: The <u>auto-complete</u> package activated when the <u>pel-use-auto-complete</u> customization variable is set to t.			
 company-mode Auto-completion Reference 				
	PEL supports both and prevents activation of both of them in the same buffer.			
	You can activate both modes and dynamically select one over the other, globally or buffer by buffer.			
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	Both abbreviation completion and one auto-completion mechanism can be used at the same time (using different keys if any), in some case the abbreviation choices can also be available via auto-completion.			
	More dynamic completion modes based on Eglot or LSP are supported by Emacs but not yet documented in PEL nor here.			
Last updated on:	2025-03-20			
Open this PDF file. See also: <u>∑ Help/Info</u>	<f11> , <f1></f1></f11>	(pel-help-pdf &optional OPEN-WEB-PAGE)	Open the \mathbb{Z} <u>Auto-Completion</u> local PDF. If the prefix argument (like $\mathbf{C}-\mathbf{u}$ or \mathbf{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 auto-completion support.	<f11> , <f2></f2></f11>	(pel-customize-pel &optional OTHER-WINDOW)	Open the PEL customize group(s) for the current context: auto-completion support. Use this to open to change PEL user option variables the activate and control the various	
See also: <u>▼ Customize</u>		OTTIEN-WINDOW)	Apple script features such as the name of the narrator voice.	
Customize Emacs built-in auto-	ZE115 ZE25	(pel-customize-library	When a prefix argument (like C-u) opens the buffer inside another window. Customize Emacs auto-completion group which includes: auto-complete, company, hippie-	
completion support	<f11> , <f3></f3></f11>	&optional OTHER-WINDOW)	expand. When prefix arg. (like C-u) opens the buffer inside another window.	
See also: <u>∑ Customize</u>	Group belonging to files that have not yet been loaded are normally not accessible in Emacs and via the customize-group command. PEL, however,			
Disales Aste semalation status			mization group and will prompt you for loading the file if it finds it.	
Display Auto-completion status	<f11> , ?</f11>	(pel-completion-info &optional APPEND)	Print information about available auto-completion info in a *pel-autocomplete-info* help-mode buffer. Shows which one is enabled via customization and their current activation state.	
		values of relevant user-options antent unless a prefix arg (like C-	as buttons you can use to get more info and change their customized values. •u) is used.	
Emacs Built-in Completion	Emacs built-in completion is provided by the completion-at-point command, described below.			
Symbol Completion at point	• C-M-i	(completion-at-point)	Perform completion on the text around point.	
See also: X Xref	• <esc> <tab> • M-<tab></tab></tab></esc>		The completion method is determined by 'completion-at-point-functions'. The tags-completion-at-point-function is used for Emacs Lisp code by default.	
	11 1000		It provides a list of possible values in the *Completions* buffer.	
<u> </u>	C-M-i is also used for Flyspell, which can be used to spell check only moments and strings.			
Symbol Completion at point and language specific completion	<f6> ,</f6>	(complete-symbol ARG)	Perform completion of the text around point, using the method identified by the variable completion-at-point-functions , acting as the completion-at-point command above. • With prefix argument, such as C - u , this does completion within the collection of symbols listed in the index of the manual for the language you are using.	
Complete language specific symbol at point	<f6> .</f6>	(info-complete-symbol &optional MODE)	Perform completion of symbol at point using mode-specific language items. • For example, inside a Emacs-Lisp buffer it finds the Emacs-Lisp functions, variables names.	
Toggle Completion Preview mode Emacs >= 30	<f11> , p</f11>	(completion-preview-mode &optional ARG)	Toggle completion-preview-mode in current buffer. • Activate it with positive prefix argument, disable it with negative prefix argument.	
A minor mode that shows possible completion in a light face. Can be available while another completion	<f11> , P</f11>	(global-completion-preview- mode &optional ARG)	Toggle Completion-Preview mode in all buffers. • Activate it with positive prefix argument, disable it with negative prefix argument.	
major-mode is used.	<tab></tab>	Expand suggested completion in buffer. Type more characters to further refine the search.		
	M-i	Open a "Completion" buffer listing all possible completion candidates. • Select others with M- <up> and M-<down>. Then chose with M-RET.</down></up>		
	M-n	Selects and show next completion candidate.		
	м-р	Selects and show previous con	npletion candidate.	
PEL controlled			pplete-mode or company-mode for one buffer or all of them, globally through the commands	
completion activation	accessible via the <f11> , prefix. • vou must first select witch one should be available via PEL customization:</f11>			
	Set pel-use-auto-complete to t to enable the ability to use auto-complete-mode.			
	 Set pel-use-company user option to t to enable the ability to use company-mode. When pel-init is executed, the commands made available depend on the section made by customization of PEL but also of the two modes. Then the 			
	corresponding commands listed in the sections below are available. PEL's auto-completion support implementation is not yet completed. For now just standard hooks are setup, but not for all programming languages. Support for each programming language is described in the language specific page.			
Explicitly List Completion Candidates with the currently	• <f11> , , • M-1</f11>	(pel-complete)	List completion candidates. There must be at least 1 character preceding point. • Force auto-completion of text at point, don't wait for timeout, using the currently active	
 utive auto completion system Use auto-complete or company- 	If no guite constitution	votom in active in the	auto-completion system (either auto-complete-mode or company-mode).	
mode, whichever that is currently active globally or in the buffer.	 If no auto completion system is active in the current buffer, the command issues an error. M_1 default binding is to downcase-word. PEL rebinds this key company-mode is activated via customization and company-mode is active. 			
	• d With PEL, the M-1 key is close to the M-/ key, bound to the command used for abbreviation expansions. It becomes easy to use either.			
Completion Menu keys	When an completion pop-up menu generated either by auto-complete or company-mode is shown, you can use the following keys for operating on			
Auto-completion Menu	that menu:			
Operations Company-Mode Menu		t candidate (or <down> cursor) vious candidate (or <up> cursor)</up></down>		
Operations	• M-1, M-2, M-3, etc.	: select candidate by line numb		
See also: <u>Scrolling</u>	• : Delete 1 char of the current candidate prefix			
	 <ret> : Select current candidate, execute action for candidate if any (eg. when template selection used)</ret> C-? : Show candidate help in separate buffer 			
	• <f1> : Show candidate help in separate buffer. This is very handy to quickly review documentation of several symbols! • C-M-v : Scroll help buffer forward (note: see the Signal Scrolling table for more info on scrolling)</f1>			
	• Esc <pgdown> : Scroll help buffer forward</pgdown>			
	• Esc <pg-up> : Scr</pg-up>			
	• c -g : Sto	p completion		



Auto-completion - References

Document	Note
Basic Auto Completion	GNU Emacs Manual - Completion for Symbol Names
Auto Completion with Auto-Complete	
Auto Complete @ MELPA	You can get auto-complete from MELPA. An interesting point of this page lists the other packages that need auto-complete. There's over 45 packages that use it for various programming languages and environments.
Auto Complete @ GitHub	Auto complete source code
Auto Complete Manual @ Github	Covers installation, check, features, concepts, configuration, advanced usage. Reading required for users.
Using Emacs: 8 - Auto-complete @ Youtube	Mike Zamansky video that covers abbreviation and auto-complete. Duration: 5 minutes.
Using Emacs: 45- Company or Autocomplete @ Youtube	Another video from Mike Zamansky that covers both auto-complete and company-mode. Duration: 13 minutes.
Auto Completion with Company-mode	

Document	Note
company-mode ; Modular in-buffer completion framework for Emacs	Text completion framework for emacs
Using digits to select company-mode candidates @ (or emacs irrelevant)	