# PEL Key Maps

| Operation | Keystroke | Key Map | Note |
|---|---|---|---|
| **Emacs Key Bindings**<br><br>See also: ∑ ⌨ **Modifier Keys** | Emacs has a large set of key bindings.<br>• Some commands are bound to single keys like the **a** key which normally inserts the letter 'a' in the current buffer.<br>• Some commands are bound to functions keys like **<f1>** or use key modifiers like **C-a** or **M-a** . See ∑ ⌨ **Modifier Keys** for more info.<br>• Some commands are bound to longer key sequences lie **C-x s** .<br>• The first key, or the first set of keys, can be used as an Emacs key prefix. And then several other keys can follow, all under that prefix. The prefix creates some sort of scope: the key-map under that prefix.<br>• There's really no limit to the way you can combine keys, the modifier keys, with or without short or longer key prefixes.<br>• On top of that you can have key bindings that are<br>  • global, always accessible if the related code was loaded, or<br>  • local, only available while a specific major or minor mode is activated inside a specific buffer.<br>• All of this provides great flexibility. But it makes Emacs more difficult to learn: you need to remember all the keys. | | |
| **PEL Key maps**<br><br>See also: ⌨**Keys - Fn** | Although PEL itself adds a large amount of keys to what's already in Emacs, it leaves most Emacs key binding intact and mainly uses the function keys organized under a tree of key prefixes, trying to provide easy-to-remember key prefixes.<br>• PEL key bindings are accessible from Emacs running in graphics mode and in terminal mode (you may have to configure your termcap terminal software to support ASNI key sequences for function and cursor keys).<br>• By default, PEL also activates the **which-key external package** which allows you to see all command key bindings for each key prefix in the echo area at the bottom of your Emacs screen.<br>• PEL provides documentation of the Emacs and PEL key bindings, organized in topics inside PEL files such as this one.<br>  • All PEL key prefix groups provide a **<f1>** key binding to a command that opens a local copy of a PDF file describing the topic. To open this PDF file from Emacs using PEL, just type **<f11> <f1>**. The **<f11>** key is the most often used PEL global key prefix. Inside its group the **<f1>** key opens this file.<br><br>This page lists PEL's key maps.<br>• Column 1, the title column, shows the name of the PEL specific PDF page and it's also a link to the Github hosted pdf page.<br>• Column 2 shows the key sequence for the topic.<br>• Column 3 shows the name of PEL key prefix for the topic.<br><br>Some topics do not have commands organized under on specific PEL key map, but the commands and keys are described inside topic specific PDF tables. These are listed first set of rows below.<br><br>☝ **Firefox** will open the PDF files and will render it inside the browser page instead of downloading it.<br>This is a great way to navigate through the various links if you are online. For other browsers, you may have to install pdf rendering plugins to do the same. | | |
| **Topics with no PEL key maps** | The following topics do not have a PEL topic-specific key-map. | | |
| ➢**Legend** | Describes all conventions and symbols used in the PEL PDF files. | | |
| ∑ **Autosave/Backup** | Emacs commands for autosave and backup control | | |
| ∑ **Case Conversions** | Commands for case conversion of text. | | |
| ∑ **Closing/Suspending** | Commands to close or suspend Emacs. | | |
| ∑ **Completion/Input** | Commands to complete user input at prompts. | | |
| ∑Ⓜ **CUA** | CUA mode commands. | | |
| ∑ **Enriched Text** | Commands that support the enriched text concept. | | |
| 𝛴 **ERT** | Emacs Lisp unit testing commands. | | |
| ∑ **Faces/Fonts** | Commands that control Emacs faces and fonts. | | |
| ∑ **Key-Chords** | Commands to enable/disable key chords (typing 2 normal keys together to invoke a command). | | |
| ⌨**Keys - Fn** | Table that shows the way PEL uses function keys. | | |
| Ⓜ **Outline/Org-Mode** | Org-mode commands. | | |
| ∑ ⌨ **Modifier Keys** | Describes Emacs modifier keys and ways of describing keys in Emacs. | | |
| ∑ **Mouse** | Mouse commands. Available both in graphics and terminal modes. | | |
| ∑ **Narrowing** | Narrowing commands. A way to narrow your view to only a portion of the current buffer, protecting the rest of the buffer from any modification. | | |
| ∑ **Navigation** | The navigation commands available in Emacs with the additions provided by PEL and other packages. | | |
| ∑⌨ **Numkeypad** | Describes the way the numerical keypad is handled in Emacs. | | |
| ∑ **Packages** | Commands to download and manipulate external packages. | | |
| ∑ **Rectangles** | Commands to manipulate rectangle areas of text inside a buffer. | | |
| ∑ **Semantic** | 🚧 Planned topic | | |
| ∑ **SyntaxCheck** | 🚧 Planned topic | | |
| **Global Key Maps** | The key maps are listed in order of the key they use. The keys were selected mnemonic naming as much as possible. For that reason some key maps are accessible via several key prefix sequences. | | |
| **Top level prefix** | **<f11>** | **pel:** | Key prefix |
| ∑ **Indentation** | **<f11> TAB** | **pel:indent** | |
| ∑ **Spell Checking** | **<f11> $** | **pel:spell** | |
| ∑ **Bookmarks** | **<f11> '** | **pel:bookMark** | |
| ∑ **Auto-Completion** | **<f11> ,** | **pel:auto-completion** | |
| ∑ **Cut & Paste - Kill** | **<f11> -** | **pel:kill** | Kill (cut) operations |
| ∑ **Marking** | **<f11> .** | **pel:mark** | |
| • ∑ **Comments**<br>• ∑ **Hide/Show** | **<f11> ;** | **pel:comment** | |
| ∑ **Cut & Paste - Copy** | **<f11> =** | **pel:copy** | Copy operations |
| ∑ **Help/Info** | **<f11> ?** | **pel:help** | |
| | **<f11> ? a** | **pel:apropos** | |
| | **<f11> ? d** | **pel:describe** | |
| | **<f11> ? e** | **pel:emacs** | |
| | **<f11> ? i** | **pel:info** | |
| | **<f11> ? k** | **pel:keys** | |

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| ∑ Cut & Paste - OS Clipboard | <f11> C | pel:clipboard | |
| ∑ Drawing | <f11> D | pel:draw | |
| Ⓜ PlantUML | <f11> D u | pel:plantuml | |
| ∑ Frames | <f11> F | pel:frame | |
| ∑ Sessions | <f11> S | pel:session | |
| ∑ Tags - Cross References | <f11> X | pel:xref | |
| ∑ Inserting Text - underlining | <f11> _ | pel:underline | Underline text with specified character. |
| ∑ Abbreviations | <f11> a | pel:abbrev | |
| ∑ Buffers | <f11> b | pel:buffer | |
| | <f11> b I | pel:indirect-buffer | |
| ∑ Highlight | <f11> b h | pel:highlight | |
| ∑ Counting | <f11> c | pel:count | Counting text elements in current buffer |
| ∑ Diff & Merge | <f11> d | pel:diff | |
| ∑ Diff & Merge | <f11> d e | pel:ediff | |
| • ∑ File-mngt<br>• ∑Ⓜ Dired<br>• ∑ Web | <f11> f | pel:file | File & directory management |
| • ∑ File-mngt<br>• ∑Ⓜ Dired | <f11> f a | pel:ffap | |
| • ∑ File-mngt | <f11> f r | pel:file-revert | |
| ∑ File/Directory Variables | <f11> f v | pel:filevar | |
| ∑ Grep | <f11> g | pel:grep | |
| ∑ Inserting Text | <f11> i | pel:insert | |
| ∑ Keyboard Macros | <f11> k | pel:kbmacro | Emacs keyboard macros, centimacro, emacros, elmacros. |
| ∑ Keyboard Macros - emacros | <f11> k e | pel:emacros | |
| ∑ Keyboard Macros - elmacros | <f11> k l | pel:elmacros | |
| ∑ Display - Lines | <f11> l | pel:linectrl | |
| ∑ Cursor | <f11> m | pel:mcursor | Multiple cursor editing. |
| ∑ Sorting | <f11> o | pel:order | Ordering/Sorting. |
| ∑ Registers | <f11> r | pel:register | |
| ∑ Search/Replace | <f11> s | pel:search-replace | |
| | <f11> s m | pel:search-mode | |
| | <f11> s w | pel:search-word | |
| | <f11> s x | pel:regexp | |
| ∑ Text Modes | <f11> t | pel:text | |
| ∑ Align | <f11> t a | pel:align | |
| ∑ Filling/Justification | <f11> t f | pel:fill | Text fill |
| | <f11> t j | pel:justification | Text justification |
| ∑ Text Modes | <f11> t m | pel:text-modes | |
| ∑ Transpose | <f11> t t | pel:text-transpose | |
| ∑ Whitespace | <f11> t w | pel:text-whitespace | |
| ∑ Undo/Redo/Repeat/Arg | <f11> u | pel:undo | |
| ∑ VCS-Mercurial | <f11> v | pel:vcs | PEL also supports Git, a page dedicated for Git is not yet written |
| ∑ Windows | <f11> w | pel:window | |
| ∑ Windows | <f11> w d | pel:window-dedicated | |
| ∑ Windows | <f11> w s | pel:window-size | |
| ∑ Shells | <f11> x | pel:eXecute | |
| ∑ Inserting Text | <f11> y | pel:yasnippet | Yasnippet text template insertion/expansion. |
| ∑ Scrolling | <f11> \| | pel:scroll | |
| ∑ Customize | <f11> <f2> | pel:cfg | |
| | <f11> <f2> SPC | pel:cfg-pel-lang | |
| | <f11> <f2> E | pel:cfg-emacs | |
| | <f11> <f2> P | pel:cfg-pel | |
| ∑ Projectile | <f11> <f8> | pel:projectile | |
| ∑ Menus | <f11> <f10> | pel:menu | |
| ∑ Speedbar | <f11> M-s | pel:speedbar | |
| **Major mode specific key maps** | PEL provides a set of global key-maps that are specific to major modes for markup and programming languages. The key maps have 2 set of bindings.<br>• One set has a key prefix that uses **<f11> SPC** followed by a key identifying the language.<br>• The other set is only available inside buffers that use the specific major mode and they all use the same **<f12>** key prefix, simulating a local mode prefix.<br>• The following list is ordered by programming languages names (sorting all Lisp under L) and then listing the markup languages after. | | |
| 𝔓 - AppleScript | • <f11> SPC a<br>• <f12> | pel:for-applescript | |
| 𝔓 - C | • <f11> SPC c<br>• <f12> | pel:for-c | |

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| 𝔓ℓ - C - C pre-processor | • <f11> SPC c #<br>• <f12> # | pel:for-c-propoc | |
| 𝔓ℓ - C - C tempo skeleton | • <f11> SPC c <f12><br>• <f12> <f12> | pel:c-skel | Prefix for tempo skeletons for the C programming language. |
| 𝔓ℓ - C++ | • <f11> SPC C<br>• <f12> | pel:for-c++ | |
| 𝔓ℓ - C++ - C pre-processor | • <f11> SPC C #<br>• <f12> # | pel:for-c++-preproc | |
| 𝔓ℓ - D | • <f11> SPC D<br>• <f12> | pel:for-d | |
| 𝔓ℓ - Elixir | • <f11> SPC x<br>• <f12> | pel:for-elixir | |
| 𝔓ℓ - Erlang | • <f11> SPC e<br>• <f12> | pel:for-erlang | |
| 𝔓ℓ - Erlang | • <f11> SPC e a<br>• <f12> a | pel:erlang-analysis | 🚧 Planned |
| 𝔓ℓ - Erlang - clause | • <f11> SPC e c<br>• <f12> c | pel:erlang-clause | |
| 𝔓ℓ - Erlang - debug | • <f11> SPC e d<br>• <f12> d | pel:erlang-debug | |
| 𝔓ℓ - Erlang - functions | • <f11> SPC e f<br>• <f12> f | pel:erlang-function | |
| 𝔓ℓ - Erlang - tempo skeletons | • <f11> SPC e <f12><br>• <f12> <f12> | pel:erlang-skel | Prefix for tempo skeletons for the Erlang programming language. |
| 𝔓ℓ - Forth | • <f11> SPC f<br>• <f12> | pel:for-forth | |
| 𝔓ℓ - Julia | • <f11> SPC j<br>• <f12> | pel:for-julia | |
| 𝔓ℓ - Common Lisp | • <f11> SPC L<br>• <f12> | pel:for-lisp | |
| 𝔣𝔓ℓ - Emacs Lisp | • <f11> SPC l<br>• <f12> | pel:for-elisp | |
| 𝔣𝔓ℓ - Emacs Lisp - analyze | • <f11> SPC l a<br>• <f12> a | pel:elisp-analyze | |
| 𝔣𝔓ℓ - Emacs Lisp - compile | • <f11> SPC l c<br>• <f12> c | pel:elisp-compile | |
| 𝔣𝔓ℓ - Emacs Lisp - debug | • <f11> SPC l d<br>• <f12> d | pel:elisp-debug | |
| 𝔣𝔓ℓ - Emacs Lisp - eval | • <f11> SPC l e<br>• <f12> e | pel:elisp-eval | |
| 𝔣𝔓ℓ - Emacs Lisp - function | • <f11> SPC l f<br>• <f12> f | pel:elisp-function | |
| 𝔣𝔓ℓ - Emacs Lisp - library | • <f11> SPC l l<br>• <f12> l | pel:elisp-lib | |
| 𝔣𝔓ℓ - Emacs Lisp - tempo skeletons | • <f11> SPC l <f12><br>• <f12> <f12> | pel:elisp-skel | |
| 𝔓ℓ - Python | • <f11> SPC p<br>• <f12> | pel:for-python | |
| 𝔓ℓ - REXX | • <f11> SPC R<br>• <f12> | pel:for-rexx | |
| 𝔐 Graphviz Dot | • <f11> SPC g<br>• <f12> | pel:for-graphviz-dot | |
| 𝔐 PlantUML | • <f11> SPC u<br>• <f12> | pel:for-plantuml | |
| 𝔐 reStructuredText | • <f11> SPC r<br>• <f12> | pel:for-reST | |
| 𝔐 reStructuredText - adorn style | • <f11> SPC r A<br>• <f12> A | pel:for-rst-adorn | |
| 𝔐 reStructuredText - tempo skeletons | • <f11> SPC r <f12><br>• <f12> <f12> | pel:for-rst-skel | 🚧 Planned |
| **Other Function Keys** | PEL also uses the function keys for other purpose.<br>See the ⌨ Keys - Fn table: it describes PEL's use of the functions keys with and without key modifiers. | | |
| Move point to next visible bookmark | <f2> | (bm-next) | Not a prefix, a command: Move point to next visible bookmark.<br>Activated only when **pel-use-bm** is set to t. See ∑ Bookmarks. |
| Repeat last operation | <f5> | (**repeat** REPEAT-ARG) | Not a prefix, a command: Repeat most recently executed command.<br>See ∑ Undo/Redo/Repeat/Arg |
| Text Insertion | <f6> | pel:f6 | |
| PEL Hydras | <f7> | PEL Hydras | The head of all PEL Hydras. Activated on first use.<br>The PEL Hydras are described in:<br>• 𝔓ℓ - AppleScript<br>• ∑ Hide/Show<br>• ∑ Windows |
| ∑ Projectile | <f8> | projectile-command-map | Activated by <f11> <f8> <f8> when **pel-use-projectile** is set to activate projectile. |