# Speedbar - Major Modes Compatibility 🚧

Language	PEL PDF Table	Emacs Support file	Feature name	Major Mode Name	Modeline Lighter	Description
Speedbar and SR-Speedbar	The table describes the capabilities and compatibility of Speedbar and Speedbar-SR with various major modes. It complements the information on Speedbar and Speedbar-SR available in the **∑ Speedbar** table. • This is an early version. More information will be included as more Emacs major modes are tested with Speedbar. • Also note that these correspond to test using PEL with the current packages used. You may get other results with other packages. If you do, please let me know.					
Ada		**ada-mode.el**				
Assembler		**asm-mode.el**				
Asciidoc	𝕸 AsciiDoc	**adoc-mode.el**	adoc-mode	adoc-mode	adoc	• .adoc files ❌ • Document sections ❌
Batch files		**bat-mode.el**				
C	𝕻𝕷 - C	**cc-mode.el**				• .c files: ✅ • function definitions ✅ • pre-processor macros ❌ • .h files: ✅ • inline function definitions ✅ • pre-processor macros ❌
C++	𝕻𝕷 - C++	C++				• .cpp files: ✅ • class definition ❌ • class member function definitions ✅ shows namespace, • function definitions ✅ • template function instance definition ✅ • template function definitions ✅ • pre-processor macros ❌ • header files (.hpp): ✅ • class definition ❌ • class member function definitions ❌ • function definitions ❌ • template function definitions ❌ • pre-processor macros ❌
C#						
Ceylon						
Chapel						
CLU						
Clojure						
CMake						
Crystal						
Curl						
CWEB						
D	𝕻𝕷 - D	D				
Dart						
Eiffel						
Elixir	𝕻𝕷 - Elixir					
Elm						
Emacs Lisp	𝓛𝕻𝕷 - Emacs Lisp	**elisp-mode.el**				• .el files: ✅ • defun top-level & indented forms ✅ • defmacro top-level forms ✅ (Note: does not distinguish from defun) • defsubst top-level forms • defvar top-level and indented forms ✅ • defconst top-level forms • defcustom top-level forms • defgroup top-level forms • defhydra indented ❌
Erlang	𝕻𝕷 - Erlang					⚠️ Does not work by default. PEL provides a fix ✅. • .erl files: ✅ • .escript files: ✅ • .hrl files: ✅ • Erlang functions
F#						
F*						
Forth	𝕻𝕷 - Forth					• .fth files ✅ when **pel-use-forth** is **t** . • Variables ✅ • Words ✅
Fortran F-90 and F-95		**f90.el**				
Fortran F-77, F-90		**fortran.el**				
Go	𝕻𝕷 - Go	**go-mode.el**	go-mode	go-mode	Go	⚠️ Does not work by default. PEL provides a fix ✅. • .go files ✅ • func ✅ • type ✅ • go.mod files ❌
Groovy						

Language	PEL PDF Table	Emacs Support file	Feature name	Major Mode Name	Modeline Lighter	Description
Haskell						
Hop						
HTML				mhtml-mode	XHTML+	• .html files ✅ • headings \<h1\>, \<h2\>, … ✅
Hy						
Icon		icon.el				
IDL		idlwave.el				
Java						
Javascript		js.el				
Julia	𝔓𝔏 - Julia					
Kotlin						
LaTeX						
Ld - GNU Linker		ld-script .el				
Limbo						
Lisp - Common Lisp	𝔓𝔏 - Common Lisp					
LiveScript						
LFE						
Lua						
M4		m4-mode.el				
Make	𝔓𝔏 - Make	make-mode.el	make-mode	• makefile-bsdmake-mode	• BSDmakefile	• Macro assignments ✅ • Dependencies ✅ • ❌ Includes extra/invalid dependencies in operations when the line includes a colon. Seen on Emacs 26.3. However **makefile-previous-dependency** does work properly. Since this is what's used, need investigation.🚧
Markdown						
ML						
Modula 2		modula2.el				
Modula 3						
Nemerle						

NetRexx	𝔓𝔏 - REXX	netrexx-mode.el	netrexx-mode	netrexx-mode	Netrexx	• .nrx files: ✅
						  • class definitions ✅
						  • method definitions ✅

Newspeak						
Nim						
Object Pascal		opascal.el				
Objective-C						
OCaml						
Octave		octave.el				
OpenCL						
Opa						
Org Mode	𝔐 Outline/Org-Mode			org-mode	Org	• .org files: ✅ • sections ✅ • extension-less files that are identified as org-mode files with file level variables: ❌ (🚧 Check for ways to activate Speedbar support. Activating a menu Index does not seem to help).
Oxygene						
Pascal		pascal.el				
Perl		perl-mode.el				
Pike						
Postscript		ps-mode.el				
Prolog		prolog.el				
PureScript						

Python	𝔓𝔏 - Python	python.el		python-mode	**Python**	• .py files: ✅
						  • class definitions ✅
						  • class method definitions ✅
						  • function definitions ✅
						  • ❌ functions defined inside logical statements (like if statements) and therefore indented are no always reported. 🚧 More investigation needed.

		python-mode.el		python-mode	**Py**	• .py files: ✅
						  • class definitions ✅
						  • class method definitions ✅
						  • function definitions ✅

Language	PEL PDF Table	Emacs Support file	Feature name	Major Mode Name	Modeline Lighter	Description
		⚠️ Both files use the **same** major mode name. python.el is distributed with Emacs, python-mode.el was written before but is not part of the standard distribution and is quite large (1677 functions in version 20201230.2132). Once python-mode.el is installed it normally overrides python.el by being identified before python.el in Emacs load-path. It is not possible to use both and select one dynamically. 🚧 Although this was written first, at this point I'd recommend to rename the mode to py-mode (it would match the mode-line lighter). ⚠️ There is a difference of behaviour between Speedbar (in graphics mode) and SR-Speedbar (in terminal mode). Speedbar seems to detect more Python items. 🚧 More investigation is needed.				
Racket						
ReasonML						
reStructuredText	M **reStructuredText**					• .rst files: ❌ • sections ❌
Rexx	𝔅𝔏 **- REXX**	**rexx-mode.el**	rexx-mode	rexx-mode	REXX	• .rex, .rexx, .elx, .ncomm, .cpr files ✅ • procedure definitions ✅
Rebol						
Red						
Ruby		**ruby-mode.el**				
Rust						
Sather						
Scala						
Scheme		**scheme.el**				
MIT Scheme		**xscheme.el**				
Self						
Shell Script		**sh-script.el**				
Shen						
Simula		**simula.el**				
Smalltalk						
Solidity						
SQL		**sql.el**				
Swift						
Tcl		**tcl.el**	tcl			
TeX						
TypeScript						
V						
Vala						
Vera, OpenVera		**vera-mode.el**	vera-mode			
• **Verilog** • **SystemVerilog**		**verilog-mode.el**				
VHDL		**vhdl-mode.el**				
XML						
Zig						