

**1 NAVIGATION**

## BASIC MOTION

<b>h j k l</b>	Left, down, up, right
<b>w</b>	Start of next word
<b>W</b>	Next WORD (space-delim)
<b>e</b>	End of word
<b>b</b>	Back to start of word
<b>B</b>	Back to WORD start

## LINE &amp; FILE

<b>0</b>	Start of line
<b>^</b>	First non-blank char
<b>\$</b>	End of line
<b>gg</b>	First line of file
<b>G</b>	Last line of file
<b>:42</b>	Jump to line 42
<b>42G</b>	Same — line 42

**1 SCROLL & JUMP**

## SCROLLING

<b>Ctrl+d</b>	Down half page
<b>Ctrl+u</b>	Up half page
<b>Ctrl+f</b>	Forward one page
<b>Ctrl+b</b>	Back one page
<b>zz</b>	Center current line
<b>zt</b>	Current line to top
<b>zb</b>	Current line to bottom

## JUMPING

<b>%</b>	Matching bracket
<b>*</b>	Next match of word under cursor
<b>#</b>	Previous match of word
<b>f{c}</b>	Next {char} on line
<b>F{c}</b>	Previous {char} on line
<b>;</b>	Repeat f/F forward
<b>,</b>	Repeat f/F backward

**2 EDITING**

## INSERT MODE

<b>i</b>	Insert before cursor
<b>I</b>	Insert at line start
<b>a</b>	Insert after cursor
<b>A</b>	Insert at line end
<b>o</b>	New line below
<b>O</b>	New line above
<b>Esc</b>	Back to normal mode

## DELETING

<b>x</b>	Delete char under cursor
<b>X</b>	Delete char before cursor
<b>dd</b>	Cut entire line
<b>dw</b>	Delete to next word
<b>d\$</b>	Delete to end of line
<b>d0</b>	Delete to start of line
<b>D</b>	Same as d\$

**2 CHANGE & REPEAT**

## COPY &amp; PASTE

<b>yy</b>	Yank (copy) line
<b>yw</b>	Yank word
<b>y\$</b>	Yank to end of line
<b>p</b>	Paste after cursor
<b>P</b>	Paste before cursor

## CHANGE &amp; REPLACE

<b>r{c}</b>	Replace one char
<b>R</b>	Enter replace mode
<b>cw</b>	Change word
<b>cc</b>	Change entire line
<b>C</b>	Change to end of line
<b>s</b>	Substitute character
<b>S</b>	Substitute entire line

## UNDO / REDO / REPEAT

<b>u</b>	Undo last change
<b>Ctrl+r</b>	Redo
<b>.</b>	Repeat last edit
<b>5dd</b>	Delete 5 lines (count prefix)

**3 SEARCH & REPLACE**

## SEARCHING

<b>/pat</b>	Search forward
<b>?pat</b>	Search backward
<b>n</b>	Next match
<b>N</b>	Previous match
<b>:noh</b>	Clear highlight

## REPLACING

<b>:s/a/b</b>	First on line
<b>:s/a/b/g</b>	All on line
<b>:%s/a/b/g</b>	All in file
<b>:%s/a/b/gc</b>	All, confirm each
<b>:%s/a/b/gi</b>	All, case-insensitive

**4 VISUAL MODE**

## SELECTING

<b>v</b>	Character selection
<b>V</b>	Line selection
<b>Ctrl+v</b>	Block (column) selection
<b>gv</b>	Re-select last selection

## ACTING ON SELECTION

<b>d</b>	Delete selection
<b>y</b>	Yank selection
<b>&gt;</b>	Indent right
<b>&lt;</b>	Indent left
<b>~</b>	Toggle case
<b>=</b>	Auto-indent

**5 FILES**

## SAVE &amp; QUIT

<b>:w</b>	Save
<b>:w file</b>	Save as filename
<b>:q</b>	Quit (fail if unsaved)
<b>:q!</b>	Force quit
<b>:wq</b>	Save and quit
<b>:x</b>	Save+quit if modified
<b>ZZ</b>	Same as :x
<b>ZQ</b>	Same as :q!

## FILE MANAGEMENT

<b>:e file</b>	Open file
<b>:e!</b>	Revert to saved
<b>:r file</b>	Insert file contents
<b>:r !cmd</b>	Insert shell output
<b>!:cmd</b>	Run shell command

**6 BUFFERS & TABS**

## BUFFERS

<b>:ls</b>	List buffers
<b>:bn</b>	Next buffer
<b>:bp</b>	Previous buffer
<b>:bd</b>	Close buffer
<b>:b3</b>	Switch to buffer 3

## TABS

<b>:tabnew</b>	Open new tab
<b>:tabn</b>	Next tab
<b>:tabp</b>	Previous tab
<b>:tabclose</b>	Close tab
<b>gt</b>	Next tab (normal)
<b>gT</b>	Previous tab (normal)

**7 WINDOWS & SPLITS**

## CREATING SPLITS

<b>:sp</b>	Horizontal split
<b>:vsp</b>	Vertical split
<b>:sp file</b>	H-split + open file
<b>:vsp file</b>	V-split + open file

## NAVIGATING SPLITS

<b>Ctrl+w h</b>	Move to left split
<b>Ctrl+w j</b>	Move down
<b>Ctrl+w k</b>	Move up
<b>Ctrl+w l</b>	Move to right split
<b>Ctrl+w w</b>	Cycle splits
<b>Ctrl+w q</b>	Close split
<b>Ctrl+w =</b>	Equalize sizes

**8 MACROS & REGISTERS**

## MACROS

<b>qa</b>	Record into register 'a'
<b>q</b>	Stop recording
<b>@a</b>	Play macro 'a'
<b>@@</b>	Replay last macro
<b>10@a</b>	Run macro 'a' 10 times

## REGISTERS

<b>:reg</b>	Show all registers
<b>"ay</b>	Yank into register 'a'
<b>"ap</b>	Paste from register 'a'
<b>"+y</b>	Yank to system clipboard
<b>"+p</b>	Paste from system clipboard

**9 TEXT OBJECTS**

## INNER (CONTENTS ONLY)

<b>ciw</b>	Change inner word
<b>ci"</b>	Inside double quotes
<b>ci'</b>	Inside single quotes
<b>ci(</b>	Inside parentheses
<b>ci{</b>	Inside curly braces
<b>ci[</b>	Inside square brackets
<b>cit</b>	Inside HTML/XML tags

## AROUND (INCLUDE DELIMITERS)

<b>daw</b>	Around word (incl. space)
<b>da"</b>	Around double quotes
<b>da(</b>	Around parentheses
<b>yiw</b>	Yank inner word
<b>vi{</b>	V-select inside braces
<b>vip</b>	V-select inner paragraph
<b>dis</b>	Delete inner sentence

**MODES**

<b>Esc</b>	Normal — navigate & operate
<b>i / a</b>	Insert — type text
<b>v / V</b>	Visual — select text
<b>Ctrl+v</b>	Visual Block — column edit
<b>:</b>	Command-line — ex commands
<b>R</b>	Replace — overwrite text

**POWER COMBOS**

<b>gg=G</b>	Auto-indent entire file
<b>ggVG</b>	Select entire file
<b>ci"</b>	Replace inside quotes
<b>5dd</b>	Delete 5 lines
<b>c3w</b>	Change next 3 words
<b>&gt;}</b>	Indent paragraph
<b>g~</b>	Toggle case of line
<b>:%!sort</b>	Sort entire buffer
<b>Ctrl+a</b>	Increment number under cursor
<b>Ctrl+x</b>	Decrement number under cursor