# Dired Reference Card

(based on Dired in GNU Emacs 20.x)
Commands marked with **(DX)** require dired-x

## Entering and Exiting Dired

| | |
|---|---|
| run dired | `C-x d` |
| dired the directory of the file you are editing | `C-x C-j` **(DX)** |
| quit dired | `q` |

## Motion Commands

| | |
|---|---|
| move up to previous line | `p` |
| move down to next line | `n` |
| move up to previous directory line | `<` |
| move down to next directory line | `>` |
| move to next marked file | `M-}` |
| move to previous marked file | `M-{` |
| move up to previous subdirectory | `M-C-p` |
| move down to next subdirectory | `M-C-n` |
| move to parent directory | `^` |
| move to first child subdirectory | `M-C-d` |

## Mouse Commands

| | |
|---|---|
| visit file | `Mouse_Button_2` |
| popup menu | `Control-Mouse_Button_3` |

## Immediate Actions on Files

| | |
|---|---|
| visit current file | `f` |
| view current file | `v` |
| visit current file in other window | `o` |
| visit current file in other frame | `w` |
| display current file | `C-u o` |
| create a new subdirectory | `+` |
| compare file at point with the one at mark | `=` |

## Marking and Unmarking Files

| | |
|---|---|
| mark a file or subdirectory for later commands | `m` |
| unmark a file or all files of a subdirectory | `u` |
| unmark all marked files in a buffer | `M-delete` |
| mark files with a given extension | `* .` |
| mark all directories | `* /` |
| mark all symlinks | `* @` |
| mark all executables | `* *` |
| invert marking | `* t` |
| mark all files in the current subdir | `* s` |
| mark file names matching a regular expression | `* %` |
| change the marks to a different character | `* c` |
| mark files for which Elisp expression returns t | `* (` **(DX)** |

## Getting Help

| | |
|---|---|
| dired help | `h` |
| dired summary (short help) and error log | `?` |

## Commands on Files Marked or Specified by the Prefix

| | |
|---|---|
| copy file(s) | `C` |
| rename a file or move files to another directory | `R` |
| change ownership of file(s) | `O` |
| change the group of the file(s) | `G` |
| change mode of file(s) | `M` |
| print file(s) | `P` |
| convert filename(s) to lower case | `% l` |
| convert filename(s) to upper case | `% u` |
| delete marked (as opposed to flagged) files | `X` |
| uuencode or uudecode file(s) | `U` |
| compress or uncompress file(s) | `Z` |
| run info on file | `I` **(DX)** |
| make symbolic link(s) | `S` |
| make relative symbolic links | `Y` |
| make hard link(s) | `H` |
| search files for a regular expression | `A` |
| query replace regular expression | `Q` |
| byte-compile files | `B` |
| load files | `L` |
| shell command on file(s) | `!` |

## Flagging Files for Deletion

**Unmark commands remove delete flags**

| | |
|---|---|
| flag file for deletion | `d` |
| backup and remove deletion flag | `delete` |
| flag all backup files (file names ending in ~) | `~` |
| flag all auto-save files | `#` |
| flag various intermediate files | `&` |
| flag numeric backups (ending in .~1~, .~2~, etc.) | `.` |
| execute the deletions requested (flagged files) | `x` |
| flag files matching a regular expression | `% d` |

## Modifying the Dired Buffer

| | |
|---|---|
| insert a subdirectory into this buffer | `i` |
| remove marked files from the listing | `k` |
| remove a subdir listing | `C-u k` |
| re-read all directories (retains all marks) | `g` |
| toggle sorting of current subdir by name/date | `s` |
| edit ls switches | `C-u s` |
| recover marks, hidden lines, and such | `C-_` |
| hide all subdirectories | `M-$` |
| hide or unhide subdirectory | `$` |

## Regular Expression Commands

| | |
|---|---|
| mark filenames matching a regular expression | `% m` |
| copy marked files by regexp | `% C` |
| rename marked files by regexp | `% R` |
| hardlink | `% H` |
| symlink | `% S` |
| symlink, with relative paths | `% Y` |
| mark for deletion | `% d` |

## Dired and Find

| | |
|---|---|
| dired file(s) whose name matches a pattern | `M-x find-names-dired` |
| dired file(s) that contain pattern | `M-x find-grep-dired` |
| dired file(s) based on `find` output | `M-x find-dired` |