

Midnight Commander (mc) — one-stop cheatsheet

Midnight Commander is an orthodox (two-pane) terminal file manager—think “visual shell”: navigate directories, tag groups of files, and perform copy/move/rename/delete at speed, while also having built-in viewer/editor, a configurable user menu, background jobs, and a Virtual File System (VFS) that lets you browse archives and remote hosts (for example, `sftp://` and `sh://`) as if they were local directories.

Legend / conventions

- **C-x** = `Ctrl+x`. **A-x** = `Alt+x`.
- No Alt/Meta? Press **Esc**, release, then type the character.
- Many terminals map **Esc+1...9,0** $\begin{array}{l} \text{begin} : \text{math} : \text{text} \\ \text{rightarrow} \{ \} \end{array}$ **end** : $\text{math} : \text{text}$ **F1...F10**.
- **Esc Esc** quickly dismisses menus and popups — gist.

Core model

- **Current panel + other panel** (destination default).
- **Menu bar** (focus with **F9**); **command line** at bottom.
- **Tagged files**: if any are tagged, most operations apply to the tagged set.

Launch & CLI options — mc(1)

- Start: `mc` or `mc dir1 [dir2]` (set panel dirs).
- Viewer: `mc -v FILE` Editor: `mc -e [FILE]`.
- Subshell: `mc -u` (disable) `mc -U` (force).
- Color: `mc -c` (force) `mc -b` (B/W) `mc -C ARG` (palette).
- Mouse/tty: `mc -d` (no mouse) `mc -g` (oldmouse) `mc -x` (xterm).
- Keymap: `mc -K FILE` `mc -nokeymap`.
- Directory print: `mc -P FILE` (for `mc.sh` “cd after exit” wrapper).
- Info: `mc -V` (version) `mc -h` (help).

Core function keys — File menu

Key	Action
F1	Help (contextual).
F2	User menu (custom actions and macros).
F3	View file (Shift-F3 raw view; disregard extension).
F4	Edit file (Shift-F4 create new file).
F5	Copy selected or tagged to other panel directory.
F6	Move selected or tagged (Shift-F6 rename under cursor).
F7	Mkdir.
F8	Delete.
F9	Focus top menu bar.
F10	Quit.

Selection — gist

Key	Action
Insert/C-t	Select or deselect file.
*	Invert selection on files.
+	Selection options (including custom pattern).
-	Deselect options (pattern).

Quick navigation — gist

Key	Action
Tab/C-i	Jump to other panel.
A-c	Quick cd dialog.
A-?	Search dialog.
C-s	Search for item.
A-s	Incremental search (repeat A-s to next occurrence).
C-\	Directory hotlist.

Navigation, display, panels menu, and command prompt

Navigation keys — gist

Key	Action
C-p/Up	Move selection to previous entry.
C-n/Down	Move selection to next entry.
A-g	First visible item.
A-r	Middle item.
A-j	Last visible item.
A-v/PgUp	One page up.
A-p/PgDn	One page down.
A-</Home	Top (first entry).
A->/End	Bottom (last entry).

Directory history — gist

Key	Action
A-y	Previous directory in directory history.
A-u	Next directory in directory history.
A-Shift-h	Show path history.

Display — gist

Key	Action
C-r	Refresh current panel.
C-u	Swap panels.
A-,	Toggle panel layout (horizontal/vertical).
C-x i	Toggle other panel to information mode.
C-x q	Toggle other panel to quick view mode.
A-i	Other panel shows same directory as current.
A-o	Show highlighted directory in the other panel.
A-t	Change panel view (full/brief/long).
A-.	Toggle "Show hidden files".

Panels menu — via F9 then Left/Right

Key	Action
(menu)	Listing mode: Full / Brief / Long / User-defined.
(menu)	Info, Quick view, Tree, Tree view.
(menu)	Sort order: name/ext/time/size/inode; reverse toggle.
(menu)	Filter (limit visible); Select group (tag by pattern).
(menu)	Rescan/reread directory; Panelize (fill from command output).

Menus at a glance — F9

Key	Action
Left/Right	Listing mode, sort, filter/select, quick view/info, tree, panelize, hotlist.
File	View/edit/copy/move/mkdir/delete, link tools, quit.
Command	Find file, quick cd, hotlist, compare directories, external panelize, jobs.
Options	Configuration, appearance/layout, key learning, confirmations (build dependent).

File and directory operations — gist

Key	Action
C-x d	Compare directories.
C-x c	Chmod dialog.
C-x o	Chown dialog.
C-x C-s	Edit symlink.
C-x s	Create symlink dialog.
C-x l	Create hard link dialog.
C-x v	Relative symlink tool on selected or tagged.
C-x a	List active VFS directories — gist.

Command prompt — gist

Key	Action
C-o	Drop to the console (toggle panels).
A-Enter	Put highlighted file name on command line.
C-x t	Put selected or tagged item names on command line.
C-Shift-Enter	Put full path of highlighted file on command line.
A-a/C-x p	Put full path of panel directory on command line.
A-h	Show command history.
A-n/A-p	Move up or down through command history.
C-x	External panelize (fill panel with command output).
C-x j	Show background jobs.

Quit variants — gist

Key	Action
F10	Quit (normal).
Shift-F10	Quiet exit without confirmation.

Viewer/editor, panelize recipes, user menu macros, keymaps

File view — gist

Key	Action
C-f	View the next file.
C-b	View the previous file.

Viewer (mcview): practical extras

Key	Action
/	Search.
n	Next match.
Shift-n	Previous match.
A-</A->	Begin/end of file (common navigation).

Editor (mcedit): quick survival

Key	Action
F2	Save.
F10	Exit editor.
F7	Search.
F4	Replace.
C-y	Delete line.
C-k	Delete to end of line.

Panelize: “virtual panels” from commands

Key	Action
C-x	External panelize (fill panel with command output).
Example	git ls-files (repo file list).
Example	rg -l PATTERN (files matching a pattern).
Example	find -type f -size +100M -print (large files).
Example	ls -1 ... (pipelines that output one file per line).

Background jobs — gist

Key	Action
C-x j	Jobs list; inspect or cancel background operations.

User menu “@” commands — gist

Key	Action
F2-@	Run a command on the currently highlighted item.
Example	F2-@ unzip — unzip selected file.
Example	F2-@ zip -r foo.zip — zip current directory as foo.zip.
Example	F2-@ 7za x — extract selected file with 7zip.
Example	F2-@ 7za a foo.7z — 7zip current directory as foo.7z.
File	User menu file (common): ~/.config/mc/menu.

User menu macros — mc(1)

Key	Action
%f, %p	Current file (name/path).
%d, %D	Current directory / other panel directory.
%t, %T	Tagged files (this/other panel).
%v, %V	Tagged files with full paths.
%s, %S	Selected files (tagged if any else current).
%cd	Change directory (useful for VFS entrypoints).
%view[args]	Internal viewer (ascii/hex/nroff/...).
%{ prompt}	Prompt user for substitution text.
% var{	Env var substitution with default.
ENV:default}	

Keymaps and Learn keys — mc(1)

Key	Action
Learn keys	Stores terminal sequences in ~/.config/mc/ini under [terminal:TERM].
-K/-keymap	Load a specific keymap file.
MC_KEYMAP	Environment variable that selects a keymap.
~/.config/mc/mc.keymap	Common user keymap location.

VFS, configuration paths, subshell, troubleshooting, references

VFS: browse “special paths” — mc(1)

Key	Action
Concept	VFS lets you <i>cd</i> into archives and remotes like directories.
C-x a Tip	List active VFS directories — <code>gist</code> . VFS can stack (for example, an archive stored on an <code>sftp://</code> path).

Remote VFS — mc(1)

Key	Action
<code>sh://</code>	<code>sh://[user@]machine[:port]/[remote-dir]</code>
<code>sftp://</code>	<code>sftp://[user@]machine[:port]/[remote-dir]</code>
Example	<code>sh://joe@somehost:2222/private</code>
Example	<code>sftp://joe@somehost:2222/private</code>

Archives and EXTfs — mc(1)

Key	Action
Example	<code>cd documents.zip/uzip://</code> (man page example).
Pattern	<code>cd file.tar.gz/utar://</code> (extfs name varies).
Standalone	<code>cd fsname://</code> (enter an extfs “filesystem”).

Undelete (optional ext2) — mc(1)

Key	Action
<code>undel://</code>	<code>undel://DEVICEPART</code> (for example, <code>undel://sda2</code>) if built with support.

Configuration paths — mc(1)

Key	Action
Main config	<code>~/.config/mc/ini</code>
Panels	<code>~/.config/mc/panels.ini</code>
Extensions	<code>~/.config/mc/mc.ext.ini</code>
User menu	<code>~/.config/mc/menu</code>
Keymap	<code>~/.config/mc/mc.keymap</code>
Highlighting	<code>~/.config/mc/filehighlight.ini</code> (if supported).

Subshell notes — mc(1)

Key	Action
-u / -U	Disable / force subshell.
Concept	Subshell shares your shell environment and aliases while mc runs.
bashrc	Often <code>~/.local/share/mc/bashrc</code> (varies by install).

Troubleshooting quick hits

Key	Action
F10 stolen	Quit via menu (F9 <i>begin : math : text</i> rightarrow{ } <i>end : math : text</i> Quit) or remap the terminal key.
Alt combos	Use Esc then key (Meta emulation).
tmux/screen	Try <code>mc -g</code> ; then re-run Learn keys.
Display odd	Try <code>mc -a</code> (ASCII) or adjust terminal settings.

References (URLs)

Key	Action
mc(1)	https://source.midnight-commander.org/man/mc.html
gist	https://gist.github.com/samiragu/iar/9cd4264445545cf459d
site	https://midnight-commander.org/