xmonad Haskell tiling manager

START HERE

Alt + **Shift** + **Enter**
Open a terminal

Alt + **Shift** + **c**
Close window

Alt + **p**
Launch dmenu

Alt + **q**
Recompile and restart

Alt + **j** / **Alt** + **k**
Focus next / previous

Alt + **1-9**
Go to workspace

Alt + **Shift** + **1-9**
Send window to workspace

Alt + **Space**
Cycle layouts

Screen each has its own workspace
Workspace 9 by default, own layout
Master + stack tiled windows

CONCEPTS

Mod is Alt by default (Mod1). Many configs switch to Super with modMask = mod4Mask. All keys here are the defaults.

Config is plain Haskell in ~/.config/xmonad/xmonad.hs (or ~/.xmonad/xmonad.hs). Missing file means the built-in defaults.

Tiling is master and stack: a master area on one side, the rest stacked beside it. Alt+Return swaps a window into master.

A floating window is dragged or resized with the mouse; Alt+t pushes it back into the tiling.

LAUNCH AND CLOSE

Alt + **Shift** + **Enter**
Open a terminal

Alt + **p** Launch dmenu

LAUNCH AND CLOSE (cont.)

Alt + **Shift** + **p**
Launch gmrun

Alt + **Shift** + **c**
Close focused window

Alt + **Shift** + **/** / **Alt** + **?**
Show key help in xmessage

FOCUS

Alt + **j** / **Alt** + **Tab**
Focus next window

Alt + **k** / **Alt** + **Shift** + **Tab**
Focus previous window

Alt + **m**
Focus master window

Alt + **w** / **Alt** + **e** / **Alt** + **r**
Focus screen 1 / 2 / 3

Alt + **n**
Refresh window sizes

MOVE WINDOWS

Alt + **Return**
Swap with master

MOVE WINDOWS (cont.)

Alt + **Shift** + **j**
Swap with next window

Alt + **Shift** + **k**
Swap with previous window

Alt + **Shift** + **w** / **Alt** + **Shift** + **e** / **Alt** + **Shift** + **r**
Send window to screen 1 / 2 / 3

Alt + **t**
Push floating window back to tiling

LAYOUTS

Alt + **Space** Next layout

Alt + **Shift** + **Space**
Reset layout to default

Alt + **h** Shrink master area

Alt + **l** Grow master area

Alt + **,**
One more window in master

Alt + **.**
One fewer window in master

LAYOUTS (cont.)

Default layouts

Layout	Looks like
Tall	Master left, stack right
Mirror Tall	Master top, stack below
Full	Focused window fills the screen

WORKSPACES

Alt + **1-9**
Switch to workspace N

Alt + **Shift** + **1-9**
Move window to workspace N

Pressing Alt+N for a workspace shown on another screen swaps focus to that screen's view instead of duplicating it.

MOUSE

Alt + **Button1** › **drag**
Float and move window

Alt + **Button3** › **drag**
Float and resize window

Alt + **Button2**
Raise window to top

SESSION AND CONFIG

Alt + **q**
Recompile config and restart

Alt + **Shift** + **q** Quit xmonad

`xmonad --recompile`
Rebuild xmonad.hs without restarting

`xmonad --restart`
Restart the running xmonad

`xmonad --replace`
Replace the current window manager

`xmonad --version`
Print the version

`xmonad --verbose-version`
Print detailed version info

Config lookup order

Source	Used when
`$XMONAD_CONFIG_DIR/xmonad.hs`	Any XMONAD* variable is set
`~/.xmonad/xmonad.hs`	That directory exists
`$XDG_CONFIG_HOME/xmonad/xmonad.hs`	Otherwise (default ~/.config)

SESSION AND CONFIG (cont.)

Extra modules go in lib/ next to xmonad.hs and are visible to GHC. A compile error is shown in xmessage and the old build keeps running.

RECIPES

Minimal xmonad.hs

```
import XMonad

main :: IO ()
main = xmonad def
  { modMask  = mod4Mask   -- Super key
  , terminal = "alacritty"
  }
```

Apply a config change

```
# edit the config, then check it builds
xmonad --recompile
# then restart in place: Alt+q
```

Start from .xinitrc

```
# ~/.xinitrc
setxkbmap us &
exec xmonad
```

Try it under a running WM

```
xmonad --replace &
# switch back later:
i3 --replace &
```