xmonad Haskell tiling manager

START HERE

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

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

Alt + **p**
Launch dmenu

Alt + **Space**
Cycle layouts

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

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

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

Alt + **q**
Recompile and restart

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

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

FOCUS (cont.)

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

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

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

SESSION AND CONFIG (cont.)

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)

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 &
```