

Friendly Guide to NAHBI!

Nishimiya

Friday 27th September, 2024

1 Welcome!

Basic goals and principles of this system:

- **Naturalness** – Remove the border between mind and matter: everything important should be as few keypresses as possible away from you, and you shouldn't have to think about what you're doing. Immersion.
- **Economy** – Programs should be simple and light on system resources and highly extensible. Because of this, many are terminal or small ncurses programs that have all the magic inside of them.
- **Keyboard/vim-centrality** – All terminal programs (and other programs) use vim keys when possible. Your hands never need leave the home row or thereabout.
- **Modularity** – This system is a web of small, modifiable and replaceable programs that users can easily customize.

2 Key Bindings

2.1 Basic Programs

- **Super + Return** – Launch kitty terminal
- **Super + D** – Launch wofi
- **Super + I** – Launch zen-browser
- **Super + E** – Launch dolphin
- **Super + T** – Launch Thunderbird
- **Super + C** – Open Visual Studio Code
- **Super + M** – Launch ncmpcpp in kitty
- **Super + N** – Launch newsboat in kitty
- **Super + Backspace** – Launch wlogout

2.2 Window/Session Actions

- **Super + Q** – Close focused window
- **Super + B** – Toggle floating
- **Super + P** – Toggle play/pause with playerctl
- **Super + V** – Toggle split
- **Super + Shift + L** – Lock screen

2.3 Custom Scripts

- **Super + Shift + W** – Select wallpaper
- **Super + W** – Set wallpaper
- **Super + Alt + Right** – Next wallpaper
- **Super + Alt + Left** – Previous wallpaper

2.4 Audio and Brightness Control

- **Print** – Screenshot a window
- **Shift + Print** – Screenshot a monitor
- **Ctrl + Print** – Screenshot a region
- **XF86AudioRaiseVolume** – Increase volume by 5%
- **XF86AudioLowerVolume** – Decrease volume by 5%
- **XF86AudioMute** – Toggle mute
- **XF86MonBrightnessDown** – Decrease brightness by 5%
- **XF86MonBrightnessUp** – Increase brightness by 5%

2.5 Focus and Resize Windows

- **Super + H** – Move focus left
- **Super + L** – Move focus right
- **Super + K** – Move focus up
- **Super + J** – Move focus down
- **Alt + Tab** – Move focus down
- **Super + Shift + Right** – Resize window right
- **Super + Shift + Left** – Resize window left
- **Super + Shift + Up** – Resize window up
- **Super + Shift + Down** – Resize window down

2.6 Workspaces

- **Super + 1** – Switch to workspace 1
- **Super + 2** – Switch to workspace 2
- **Super + 3** – Switch to workspace 3
- **Super + 4** – Switch to workspace 4
- **Super + 5** – Switch to workspace 5
- **Super + 6** – Switch to workspace 6
- **Super + 7** – Switch to workspace 7
- **Super + 8** – Switch to workspace 8
- **Super + 9** – Switch to workspace 9
- **Super + 0** – Switch to workspace 10

- **Super + Shift + 1** – Move active window to workspace 1
- **Super + Shift + 2** – Move active window to workspace 2
- **Super + Shift + 3** – Move active window to workspace 3
- **Super + Shift + 4** – Move active window to workspace 4
- **Super + Shift + 5** – Move active window to workspace 5
- **Super + Shift + 6** – Move active window to workspace 6
- **Super + Shift + 7** – Move active window to workspace 7
- **Super + Shift + 8** – Move active window to workspace 8
- **Super + Shift + 9** – Move active window to workspace 9
- **Super + Shift + 0** – Move active window to workspace 10
- **Super + Alt + 1** – Move active window to workspace 1 silently
- **Super + Alt + 2** – Move active window to workspace 2 silently
- **Super + Alt + 3** – Move active window to workspace 3 silently
- **Super + Alt + 4** – Move active window to workspace 4 silently
- **Super + Alt + 5** – Move active window to workspace 5 silently
- **Super + Alt + 6** – Move active window to workspace 6 silently
- **Super + Alt + 7** – Move active window to workspace 7 silently
- **Super + Alt + 8** – Move active window to workspace 8 silently
- **Super + Alt + 9** – Move active window to workspace 9 silently
- **Super + Alt + 0** – Move active window to workspace 10 silently

2.7 Special Workspace and Mouse Bindings

- **Super + S** – Toggle special workspace (scratchpad)
- **Super + Shift + S** – Move active window to special workspace
- **Super + Mouse Down** – Switch to next workspace
- **Super + Mouse Up** – Switch to previous workspace
- **Super + Mouse Left Button** – Move window
- **Super + Mouse Right Button** – Resize window
- **Super + Shift + Ctrl + H** – Move active window left
- **Super + Shift + Ctrl + L** – Move active window right
- **Super + Shift + Ctrl + K** – Move active window up
- **Super + Shift + Ctrl + J** – Move active window down

3 Configuration

Dotfiles/settings files are located in `~/.config/`.

3.1 Hyprland

Hyprland's configuration can be found in `~/.config/hypr/`. Most of the configurations are changeable in this directory. You can modify the `hyprland.conf` file to customize your Hyprland setup.

3.2 Kitty

Kitty's configuration is located in `~/.config/kitty/`. You can edit the `kitty.conf` file to customize your Kitty terminal settings.

3.3 Other Configurations

Most of the configurations for other programs are also located in `~/.config/`. Here are some notable examples:

- **MPD**: Configuration for the Music Player Daemon can be found in `~/.config/mpd/mpd.conf`.
- **NCMPCPP**: Configuration for the `ncmcpp` client is located in `~/.config/ncmcpp/config`.
- **Vim**: Vim configuration is stored in `~/.vimrc`.
- **Zsh**: Zsh configuration is located in `~/.zshrc`.
- **Wofi**: Wofi configuration can be found in `~/.config/wofi/style.css`.

3.4 Updating and Customizing

To update and customize your configurations, simply navigate to the respective directories and edit the configuration files. For example, to change your Hyprland settings, open `~/.config/hypr/hyprland.conf` in your preferred text editor.

3.5 Reinstalling and Updating

NAHBI is deployed as a git repository in your home directory. You can use it as such to fetch, diff, and merge changes from the remote repository. If you don't want to use git, you can rerun the script (as root) to reinstall NAHBI. This will automatically update an existing install if you select the same username. Note that this will overwrite the original config files, including any changes you made to them.

4 Frequently Asked Questions (FAQs)

4.1 How do I copy and paste?

Copying and pasting is always program-specific on any system. In most graphical programs, copy and paste will be the same as they are on Windows: `ctrl-c` and `ctrl-v`. In the Linux terminal, you can press `ctrl+shift+c` to copy and `ctrl+shift+v` to paste. In vim, you can press `y` to yank (copy) and `p` to paste. Any other program should behave like Windows by pressing `ctrl+c` and `ctrl+v`.

4.2 How do I change the background/wallpaper?

The `swwallpaper.sh` script will always read `~/Pictures/wallpaper` and always randomly generate a new wallpaper after login. Users can change the wallpaper randomly by pressing `super + w` or set a specific image with `super+shift+w`.

4.3 How do I change the colorscheme?

You can source the colorscheme file from `~/.config/hypr/colors/` folder or create your own.

4.4 How do I set up my email?

NAHBI uses Mozilla Thunderbird for email management. You can configure your email accounts directly within Thunderbird. Simply launch Thunderbird (`Super + T`) and follow the setup wizard to add your email accounts.

4.5 How do I set up my music?

By default, mpd, the music daemon assumes that `~/Music` is your music directory. This can be changed in `~/.config/mpd/mpd.conf`. When you add music to your music folder, you may have to run `mpc up` in the terminal to update the database. mpd is controlled by `ncmpepp`, which is accessible by Super + m.

4.6 How do I update NAHBI?

NAHBI is deployed as a git repository in your home directory. You can use it as such to fetch, diff and merge changes from the remote repository. If you don't want to do that or don't know how to use git, you can actually just rerun the script (as root) and reinstall NAHBI and it will automatically update an existing install if you select the same username. This will overwrite the original config files though, including changes you made for them, but this is an easier brute force approach that will also install any new dependencies.