



A mobile UI for hackers

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Introduction

Introduction

Sxmo is a UI for mobile devices

... since 2020

ships with  **postmarketOS** and other distros

Our motto is:

SXMO
minimal. mobile. hackable.

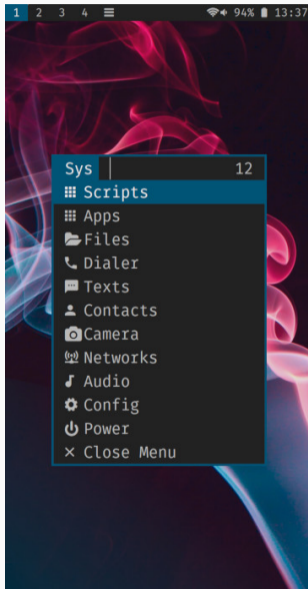
Minimal

Minimal: Re-use (1/3)

- Re-use existing FOSS components
 - **tiling window manager:** *sway* or *dwm*
- Tied together using POSIX **shell scripts**

Minimal: Menu

- **Menu**-based interface
 - *bemenu*, *wofi* or *dmenu*
 - touch or volume buttons for control
 - **context menus** for various apps



Minimal: Contribute back (3/3)

- When needed we build separate **new** components or contribute to **existing** ones:
 - *wkbd* & *svkbd* (virtual keyboards)
 - *lisgd* (dedicated gesture daemon)
 - *bonsai* (manages logic for hardware buttons)
 - *mnc* (my next cron)
 - *peanutbutter* (lock screen)



Mobile

- Menu interfaces for modem/calling/texting (via ModemManager & NetworkManager)
- Optimised for (small) touch screens
- Lightweight



Hackable

You are the one in control over your own device

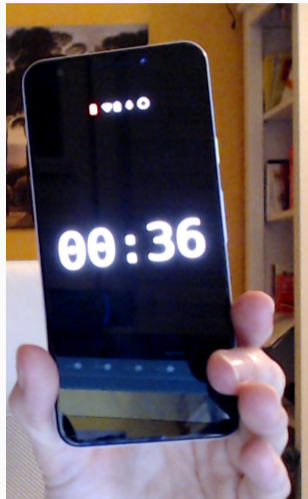
- Interchangeable components
- Shell scripts with a **hook** system
 - Migration script to consolidate our changes with yours
- Use your favourite **\$EDITOR**, **\$PAGER**, etc...
- First-class **SSH** support for all menus
- First-class support for TUIs
- Device profiles

What's new?

What's new?

(sxmo 1.17.0)

- We now have a **lockscreen** too! – *Peanutbutter*
- More **menu backend** choices: *wofi* (on wayland)
- Updated documentation in standard **man** pages:
`man sxmo`
- Hook for blocking numbers, busy/mute mode, status bar improvements, notification improvements, notch support and more...



What's coming?

What's coming?

- better integration with systemd (*optional!*)
- *i3* support; *river* support?
- improved power state handling
- improved performance for status bar
- calling via XMPP
- call audio fixes?
- more device profiles

Epilogue

- **Website:** <https://sxmo.org>
- **Dev Mailing list:**
 - <https://lists.sr.ht/~mil/sxmo-devel>
- **IRC:** #sxmo on oftc.net
 - **Matrix bridge:** #oftc#sxmo:matrix.org
- **Maintainers:** *Willow Barraco, Maarten van Gompel, Anjandev Momi, Aren Moynihan*