PiTrezor – User Guide (Universal)

This image boots the Trezor Core emulator on Raspberry Pi hardware. It includes touchscreen support, splash scre

1) Clone with Submodules

git clone --recurse-submodules https://github.com/YOUR_USERNAME/pitrezor.git
cd pitrezor

If you forget:
  git submodule update --init --recursive

2) Install Prerequisites

sudo apt update && sudo apt install -y build-essential git bc bison flex gettext libncurses5-dev unzip rsync file wget p

3) Build

./build.sh <board> <lcd_overlay> <rotation>

Examples:
  ./build.sh rpi4 waveshare35a 270
  ./build.sh rpi3 LCD-show 180
  ./build.sh rpi0 mylcd 0

Boards supported: rpi0 (Pi Zero), rpi3 (Pi 3), rpi4 (Pi 4).
LCD overlays: any valid dtoverlay (waveshare35a, LCD-show, etc.).
Rotation: 0, 90, 180, 270.

Output image: third_party/buildroot/output/images/sdcard.img

4) Flash SD

sudo dd if=third_party/buildroot/output/images/sdcard.img of=/dev/sdX bs=4M status=progress conv=fsync
sync

5) First Boot

• Splash screen: 'PiTrezor – Secure Wallet'
• First boot only: touchscreen calibration (tap crosshairs)
• Shows 'Calibration complete – starting wallet…'
• Emulator UI launches; tap Confirm/Cancel directly on screen

6) Connect to Suite

Connect Pi with a data-capable USB cable. If host doesn’t auto-assign IP, set host to 169.254.9.2/16.
Trezor Suite connects via Bridge at http://169.254.9.1:21324

7) Recalibrate

Delete /etc/.touch_calibrated from SD card and reboot.

8) Recovery

Edit /boot/firmware/config.txt or cmdline.txt on SD, or re-flash from saved image.