

SeedSigner Workshop

with orange.surf

SeedSigner - An Introduction

What is **SeedSigner**?

- 1. A Device
- 2. A Project
- 3. A Founder

What is SeedSigner | The Device



What is SeedSigner | The Device Seedsigner is a bitcoin signing device which is

- DIY
- Airgapped
- Stateless
- FOSS

What is SeedSigner | The Device | DIY

- Built by anyone
- Using off the shelf components
- Reduce Opportunity for a Supply Chain Attack
- Reduce risk of \$5 wrench due to leaked shipping address

What is SeedSigner | The Device | Airgapped

- Minimise attack surface (no connected device)

What is SeedSigner | The Device | Stateless

- No persistent digital copy of your private key
- Device is wiped on power off
- Seed loaded into device each time

What is SeedSigner | The Device | FOSS

- Free as in Freedom

- MIT License

What is SeedSigner | The Device

- Computer Raspberry Pi (Zero 1.3 best)

- Screen Waveshare 1.3" 240x240 pxl LCD

- Camera OV5647 with ribbon cable for Pi

- Case Many designs availible

- SeedQR Paper / Metal (vulcan21.com)

What is SeedSigner | The Device | Capability

- Generate a seed
 - 99 dice rolls
 - Seed words
 - Take photo
- Sign a PSBT (partially signed bitcoin transaction)

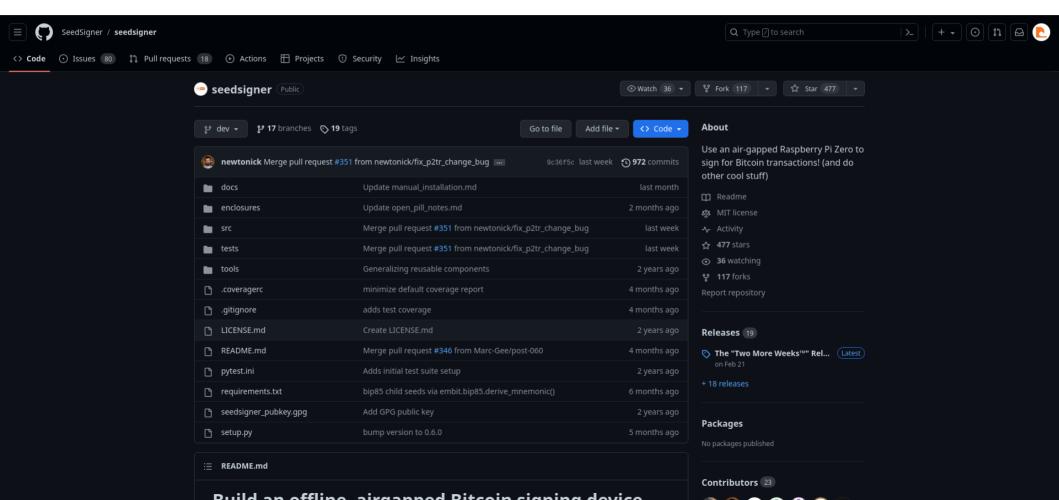
What is SeedSigner | The Device | Use Case

- 1. Great as an extra key in a multisig
- 2. Lack of abstraction forces learning

What is SeedSigner | The Device | Take Care

- 1. Requires private key on each use
- 2. Vulnerable to an evil maid attack
- 3. Even with SeedSigner OS a Pi is a full computer with a large attack surface

What is SeedSigner | The Project



What is SeedSigner | The Project



What is SeedSigner | The Project | The Team

Project Founder / Lead

Lead Maintainer

Lead Developer





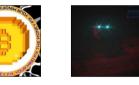




Precept

Tecnológico

+ 16 More...



jase100k

Seed

Klockenga

Nick

Keith

Mukai

ed

Signer

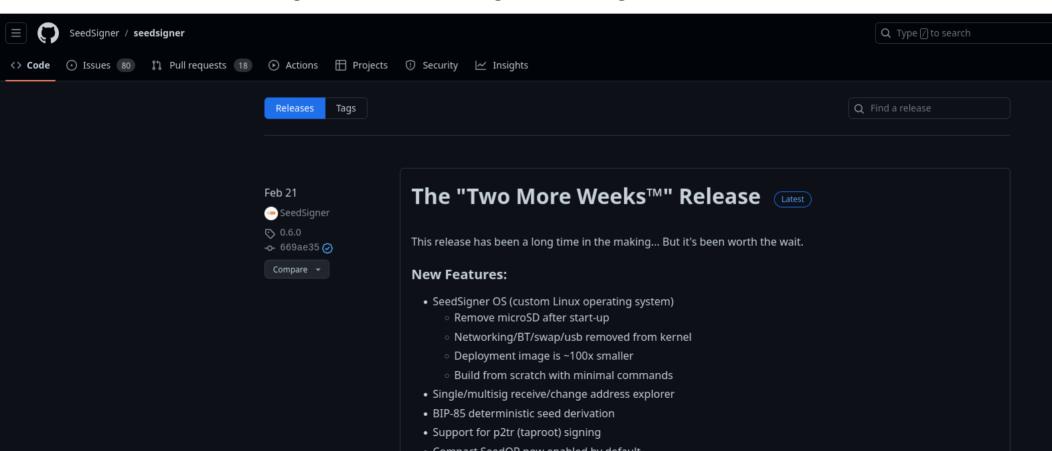
How to start

How to start

- Build/Download the latest .img release
- Flash to a microSD card
- Assemble the device
- Use

Build/Download the latest .img release

github.com/SeedSigner/seedsigner/releases/



Verify the release

```
gpg --fetch-keys https://keybase.io/seedsigner/pgp keys.asc
gpg --verify seedsigner.0.6.*.sha256.sig
Looking for "Good signature" from ... C7EF709007260119
shasum -a 256 --ignore-missing --check seedsigner.0.6.*.sha256
Looking for "....img:ok"
```

Flash to a microSD card

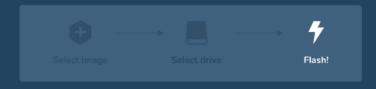
etcher.balena.io



ETCHER

Flash. Flawless.

Flash OS images to SD cards & USB drives, safely and easily.



Download Etcher

Start Playing (On Testnet)

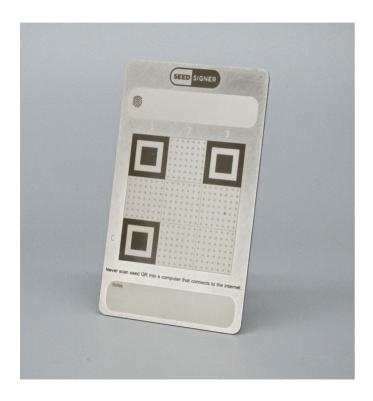


bluewallet.io

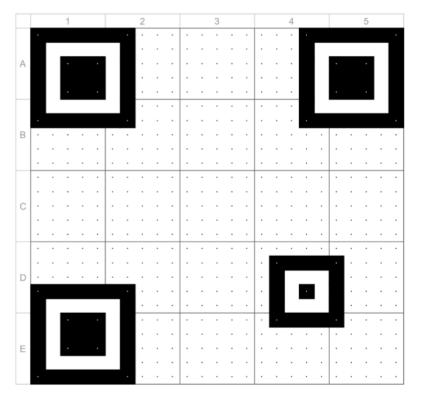


sparrowwallet.com

Seed QR



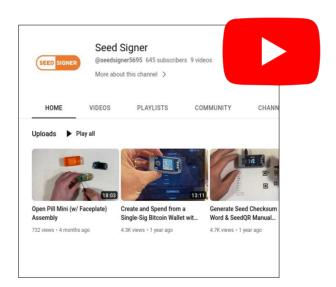
vulcan21.com/
In person purchase recommended



Seedsigner github

Get Help











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