Verify with more than one tool

Download official releases at home, check them, then take only verified files across the airgap. One program can lie. Two independent implementations should not agree by accident.

Get files from the official project — not a search-ad look-alike

Tails (official Tails site) · Sparrow Wallet (official Sparrow site) · Electrum (official Electrum site) · Ian Coleman BIP39 (official GitHub repo, saved as local HTML). Bookmark those yourself. Do not follow a random video's shortened link.

A. Verify every download

- [ ] **Tails ISO** — signing key from more than one source; ISO signature and checksum both pass.
- [ ] **Sparrow** .tar.gz — published SHA-256 matches; GPG or minisign signature verifies.
- [ ] **Electrum** — official release, published hash, signature. Second wallet, not the only wallet.
- [ ] **Ian Coleman BIP39** — official repo, hash-checked, opened only as a local HTML file while offline.
- [ ] **Any converter script** — read it. Confirm the dice-to-bits mapping and the published BIP39 wordlist.

B–D. Cross-check keys, wallet, and every spend

- [ ] Dice bits → same 24 words in the converter and in offline Ian Coleman.
- [ ] Same seed + path in Sparrow and Electrum → same first receive addresses.
- [ ] Output descriptor reconstructs the same addresses when imported in the second tool. Path m/48'/0'/0'/2', P2WSH, 2-of-3.
- [ ] Watch-only online Sparrow matches the offline receive addresses. Dust in, two explorers agree.
- [ ] Unsigned PSBT: both tools show the same destination, amount, change, and fee before you sign.
- [ ] After signature 1, session 2 sees it as valid. After signature 2, online Sparrow reports fully signed and unchanged.

The rule of two at home. Two downloads (hash + signature). Two wallets (Sparrow + Electrum). Two humans if someone you trust can read a plate against a screen. Two rehearsals — dust in, dust out — before savings move.