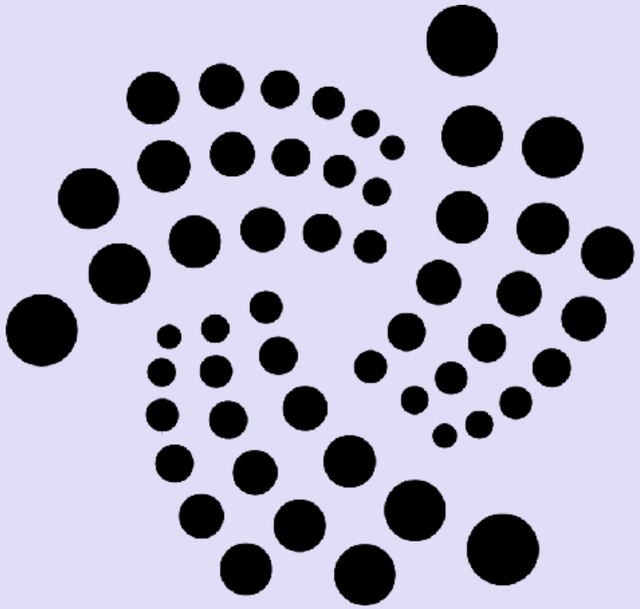
IOTA TUTORIAL 31

IOTA Trinity Desktop Wallet & Ledger Nano S



INTRO

- In this tutorial I will demonstrate how the Ledger Nano S can be used with the IOTA Trinity Desktop wallet.

LEDGER NANO S

- The Ledger Nano S is a hardware wallet that is used for the storage of private keys and seeds of popular cryptocurrencies like Bitcoin, Ethereum, IOTA, etc.

- The seeds and private keys are generated by this wallet and the transactions are signed inside this wallet. This means the seeds and private keys never leaves this wallet.

- The company Ledger is founded in 2014, and they provide security and infrastructure solutions for cryptocurrencies and blockchain applications.
  They are headquartered in Paris, Vierzon and San Francisco.

- More information about the Ledger Nano S can be found at:
  https://www.ledger.com

BUYING LEDGER NANO S

- If you buy a Ledger Nano S always buy it from a reputable seller.

- The box containing the Ledger Nano S comes without a plastic wrap and no tamper proof seal.

- Make sure the hardware wallet is not tampered with.
  Check for obvious scratches or marks!
  If so, contact your seller.

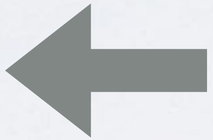
- Make sure the recovery sheet is blank and is NOT pre-filled with 24 words.
  If so, contact your seller.
  NEVER EVER USE THESE PRE-FILLED 24 WORDS!

BUYING LEDGER NANO S

MY RECOVERY PHRASE

A list of 24 words will be displayed on your device when it is initialized. Make sure to copy each word below, it is a full backup of your accounts and configuration.

1.	13.
2.	14.
3.	15.
4.	16.
5.	17.
6.	18.
7.	19.
8.	20.
9.	21.
10.	22.
11.	23.
12.	24.



Make sure the recovery sheet is blank.

LEDGER NANO S

- The Ledger Nano S with micro USB cable (length = 1m)

- In this picture the Bitcoin and IOTA apps are installed.
  By default no apps are installed on the Ledger Nano S.

CREATE PIN CODE & RECOVERY PHRASE

- Connect the Ledger Nano S to your computer and configure it as a new device.
- Enter a pin code (recommended 8 digits) and confirm the pin code.
- The device generates a random 24-word recovery phrase. Write down these 24 words in correct order on the recovery sheet and confirm these words.
- These 24 words are randomly chosen from a list of 2048 words, see: https://github.com/bitcoin/bips/blob/master/bip-0039/bip-0039-wordlists.md
- **It is very important to write down these 24 words correctly!** Some of these 2048 words only differ one character, for example: aim - air, blue - blur, box - boy, etc.

RECOVERY SHEET

- Safely store the recovery sheet.

- With this recovery sheet, the seeds and private keys can be restored on the same Ledger Nano S or on another Ledger Nano S.
  The pincode does not need to be the same.

- The Ledger Nano S can always be reset, which means all data will be wiped from the Ledger Nano S. After a reset the seeds and private keys can be restored using the recovery sheet.
  If the pincode is entered 3 times wrong, the Ledger Nano S resets itself.

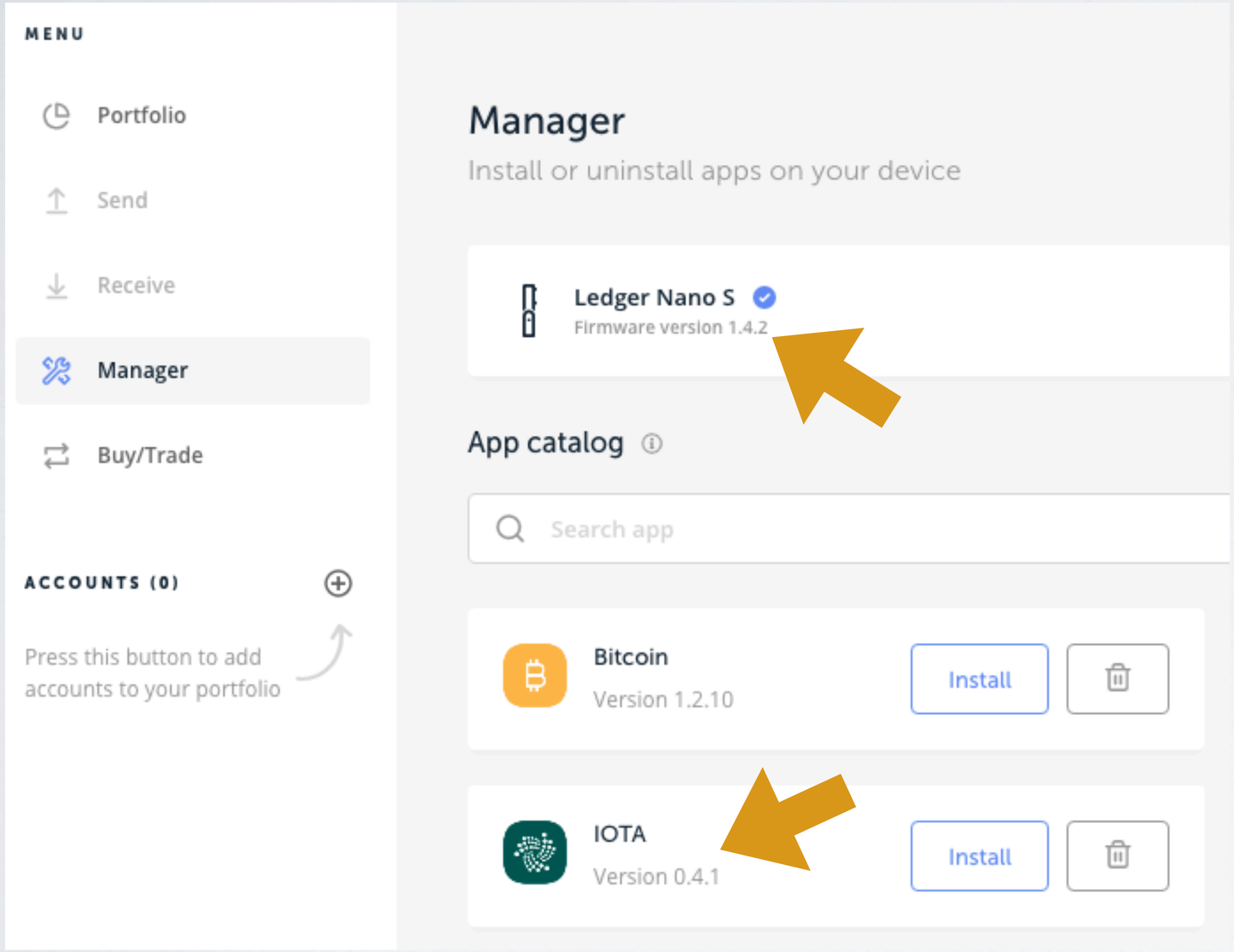
- **IF YOU LOSE THE RECOVERY SHEET YOU LOSE ACCESS TO ALL YOUR FUNDS.**

LEDGER LIVE APP

- Goto https://www.ledger.com, download and install the Ledger Live app.
- Use the Ledger Live app and install on the Ledger Nano S:
  - Firmware version 1.4.2 or newer
  - IOTA app

mobilefish.com

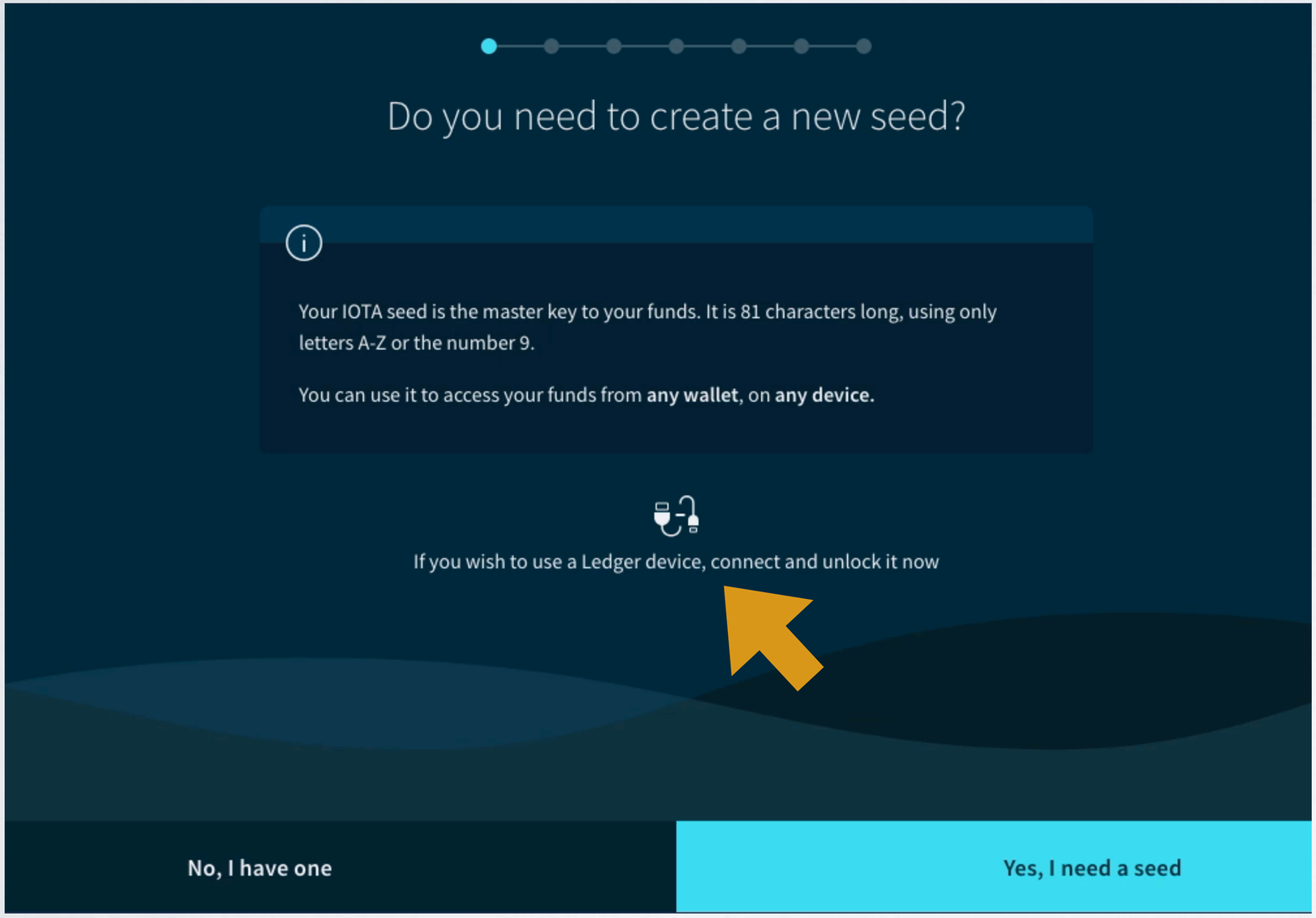
FIRMWARE VERSION & IOTA APP



TRINITY DESKTOP WALLET

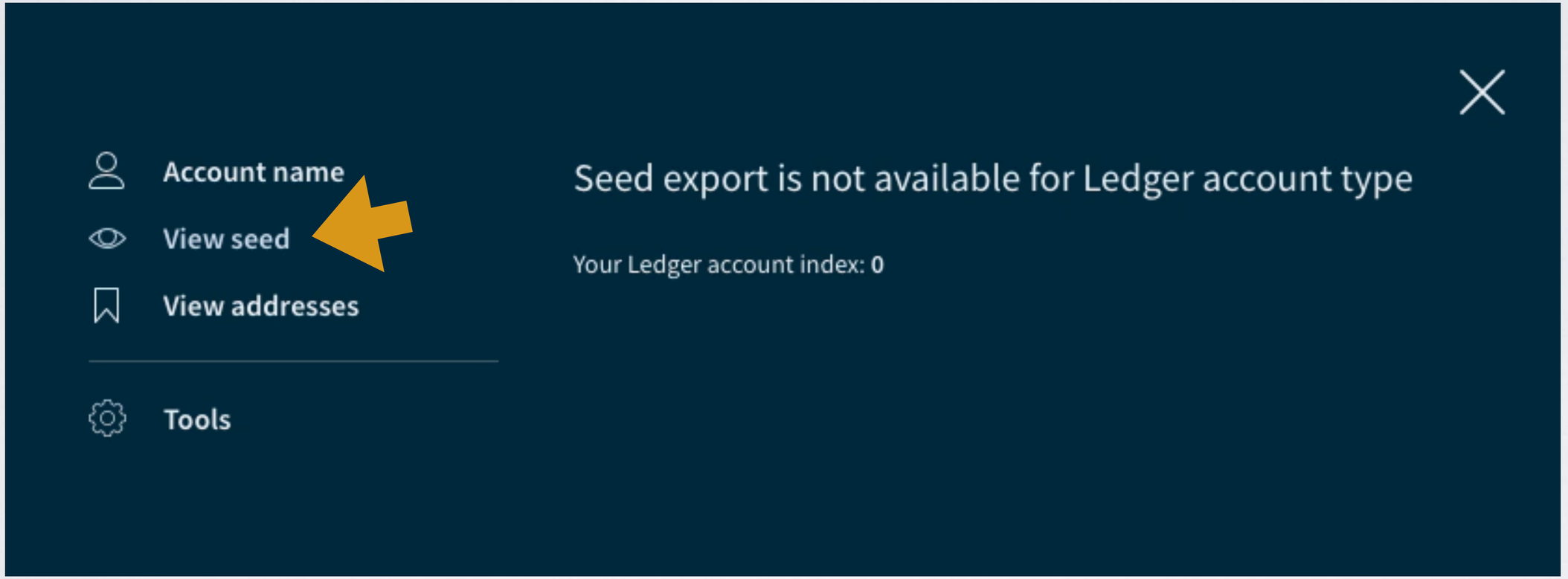
- Goto https://trinity.iota.org, download and install the Trinity Desktop Wallet.
- This video is made in Nov 2018, the Trinity Desktop Wallet used in the video is a BETA version.
- Install version 0.4.0 or newer.

TRINITY DESKTOP WALLET



Startup the Trinity Desktop Wallet and follow the instructions.

Use the Ledger device with the Trinity Wallet.

TRINITY DESKTOP WALLET

- When you use the Ledger device with the Trinity Wallet, the seed can not be viewed. The seed is not stored in the Trinity wallet.