

IOTA TUTORIAL 26.1

Trinity Wallet Seed & Two-Factor Authentication

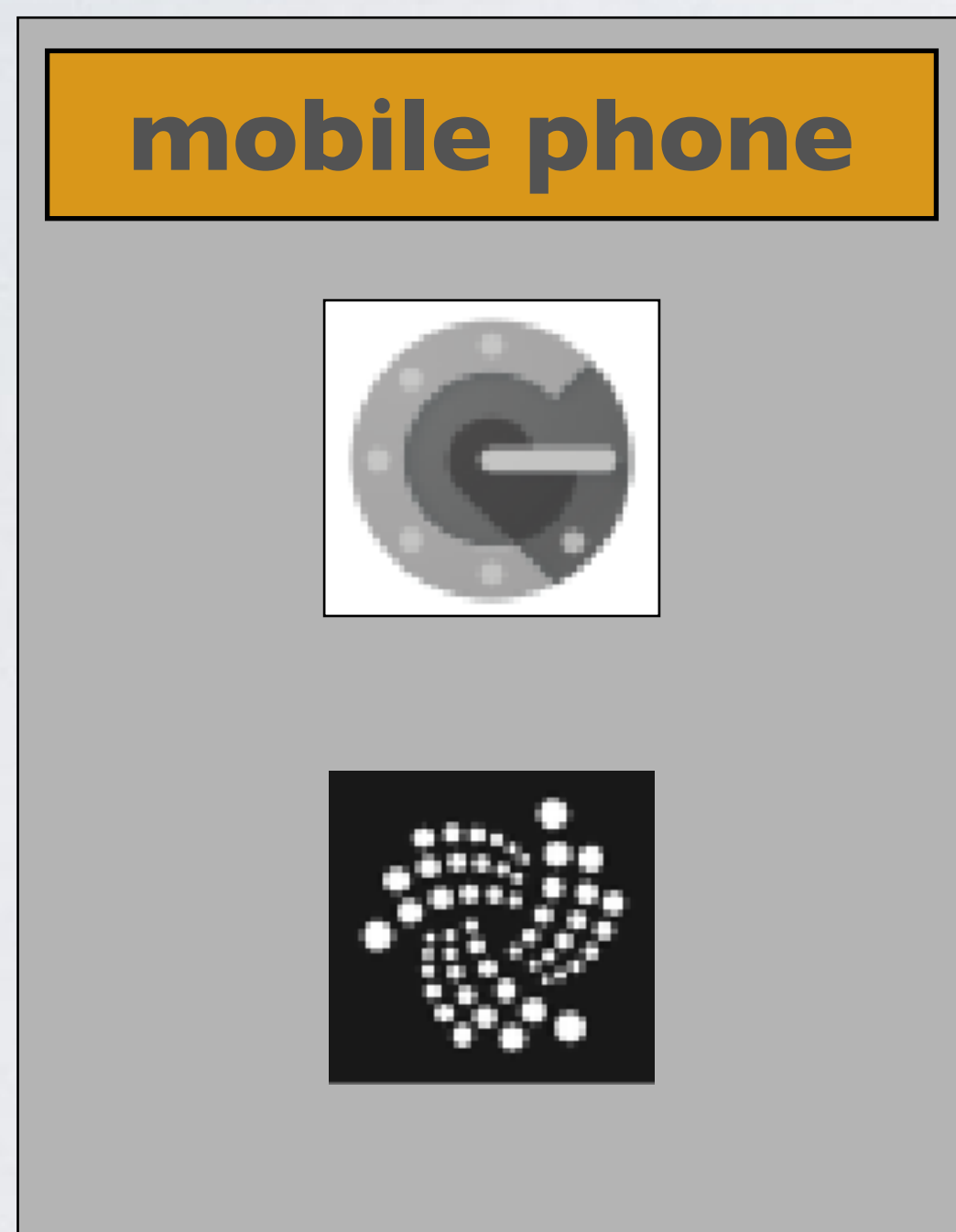


INTRO

- In IOTA tutorial 26 I have explained how to safely store a seed and how to setup Two-Factor Authentication (2FA) in your Trinity wallet.
- However I have left out some important details which I am trying to correct with this video.

TWO-FACTOR AUTHENTICATION

- If you enable Two-Factor Authentication (2FA) on your Trinity wallet and the Two-Factor Authenticator and the Trinity wallet are installed on the same mobile phone, this will NOT provide you with any additional security.



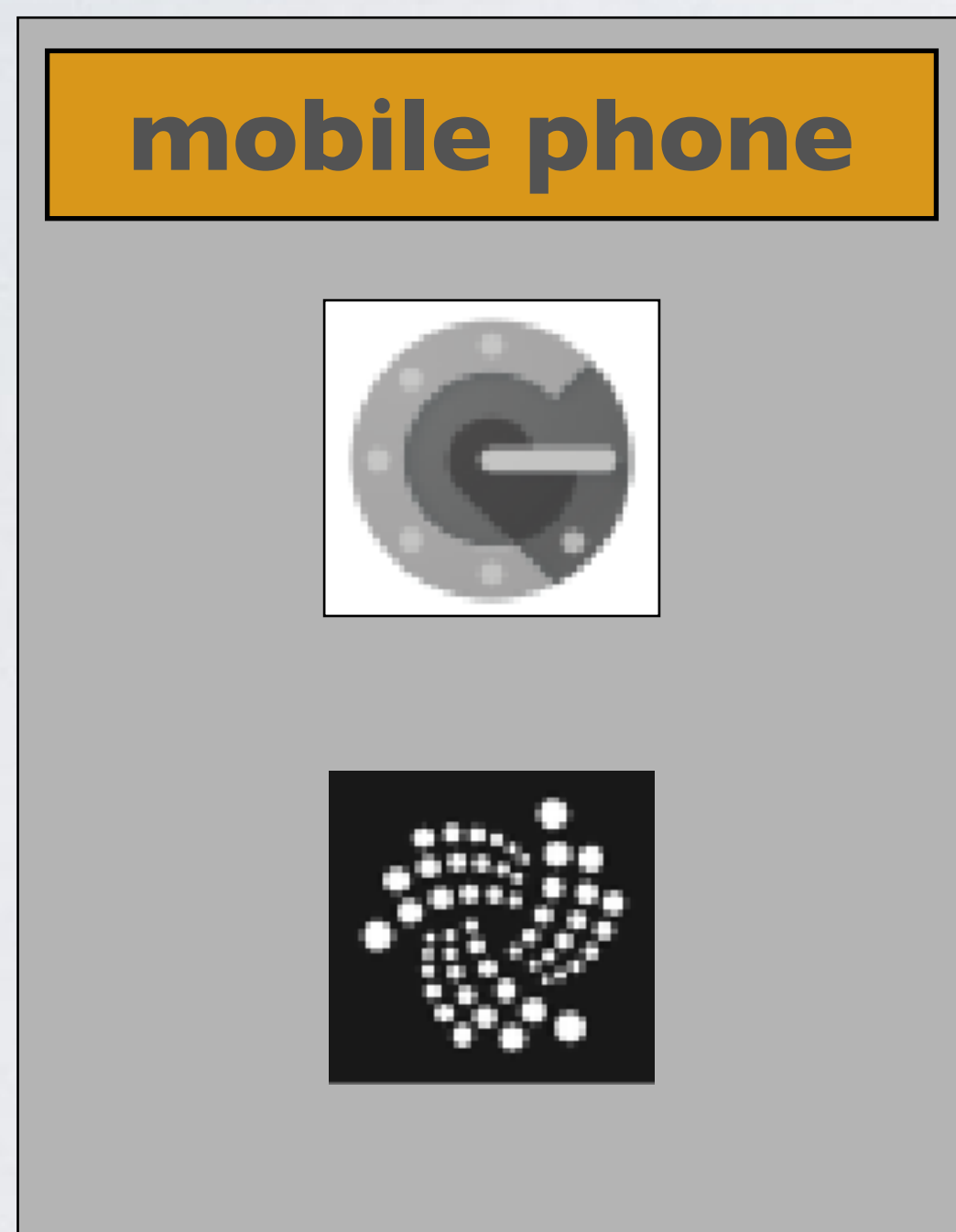
Two-Factor Authenticator

Trinity wallet



TWO-FACTOR AUTHENTICATION

- Why? If a thief steals your mobile phone and your Trinity wallet password, this person has also access to the Two-Factor Authenticator. Which means 2FA in this situation does not provide you with any security.



Two-Factor Authenticator

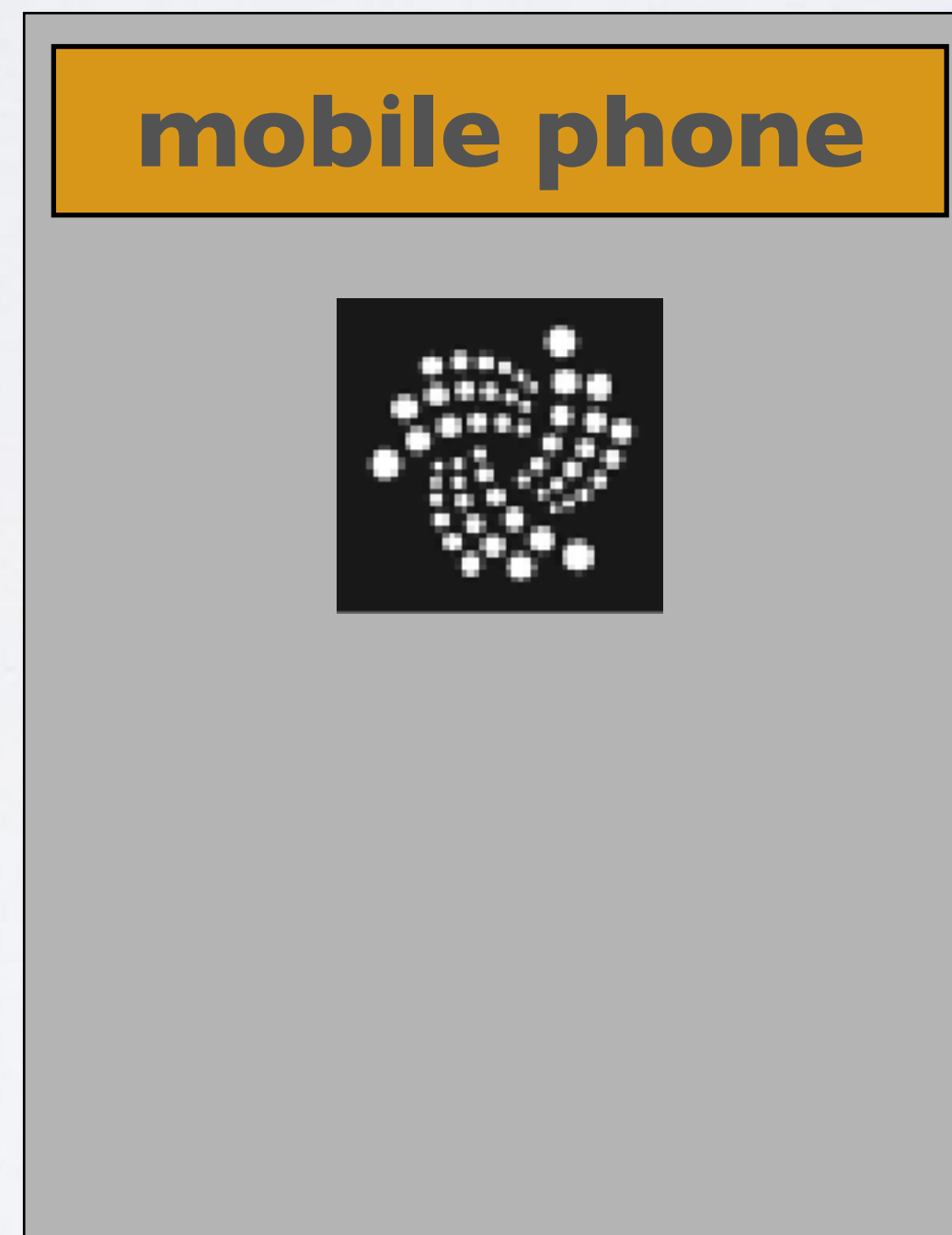
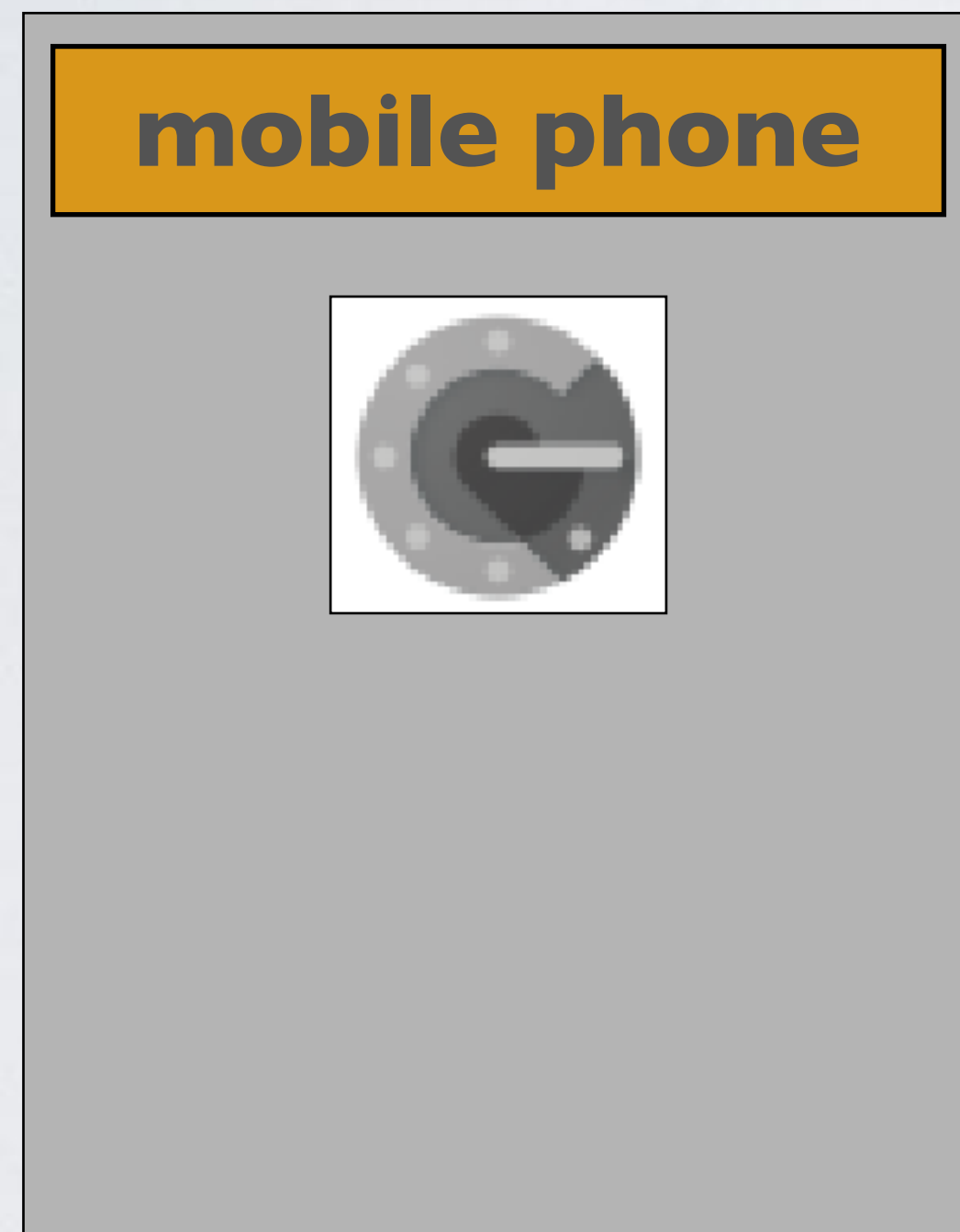
Trinity wallet



TWO-FACTOR AUTHENTICATION

- Two-Factor Authentication (2FA) only provides additional security if the Trinity wallet and the Two-Factor Authenticator are installed on separate devices.

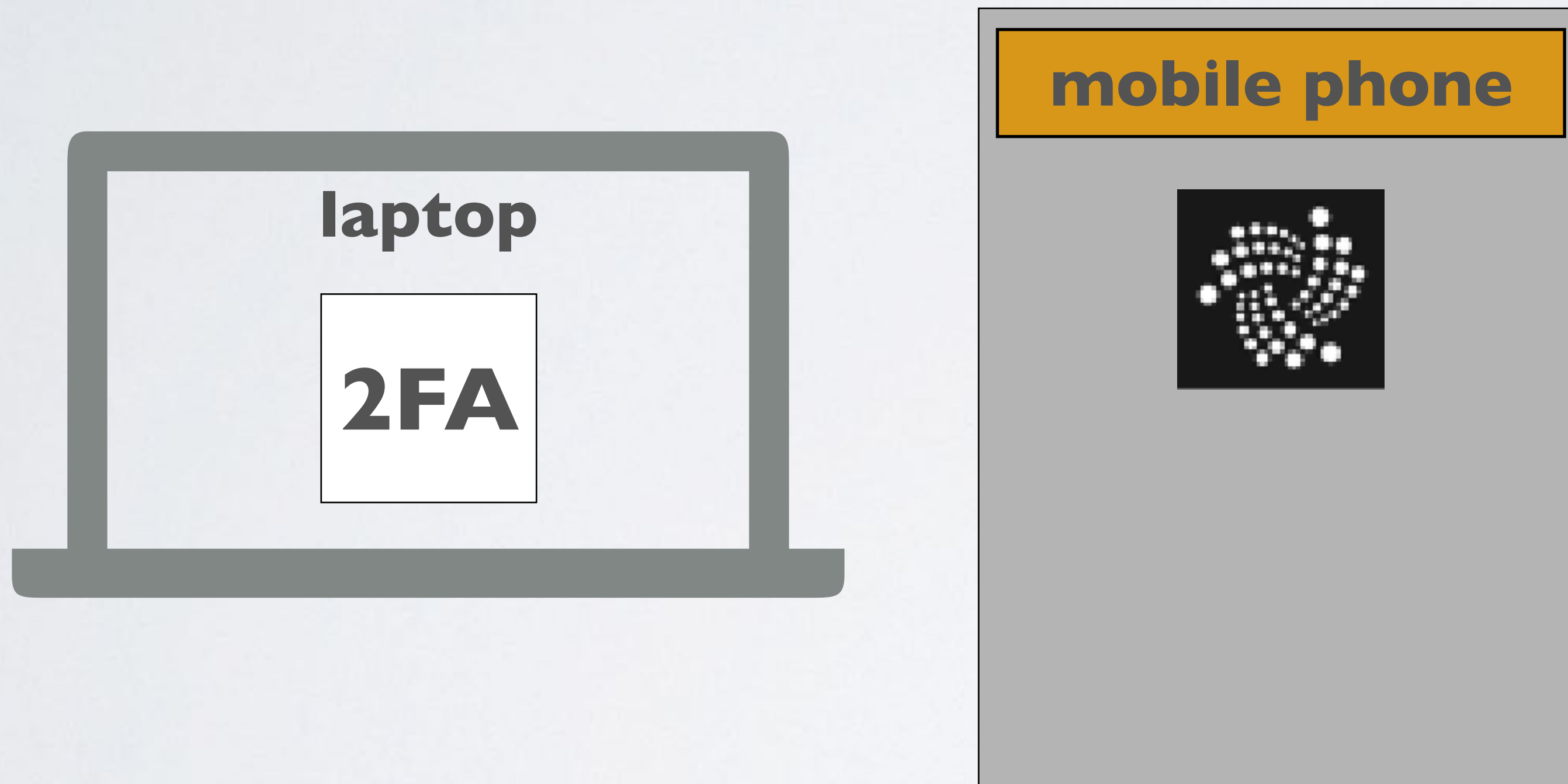
Example 1



TWO-FACTOR AUTHENTICATION

- Example 2

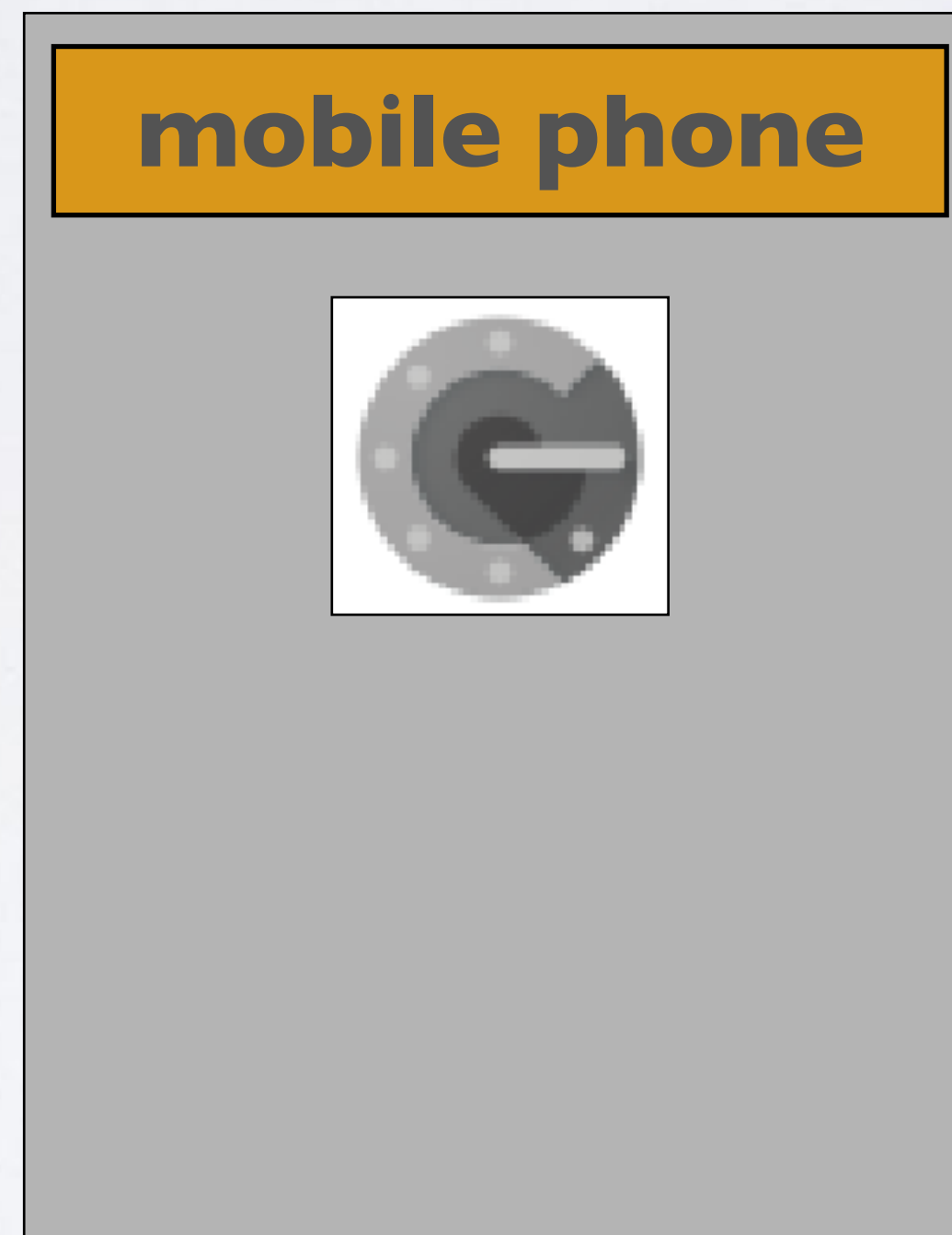
Please note: There is no desktop Google Authenticator available.
You need to use another Two-Factor Authenticator.



TWO-FACTOR AUTHENTICATION

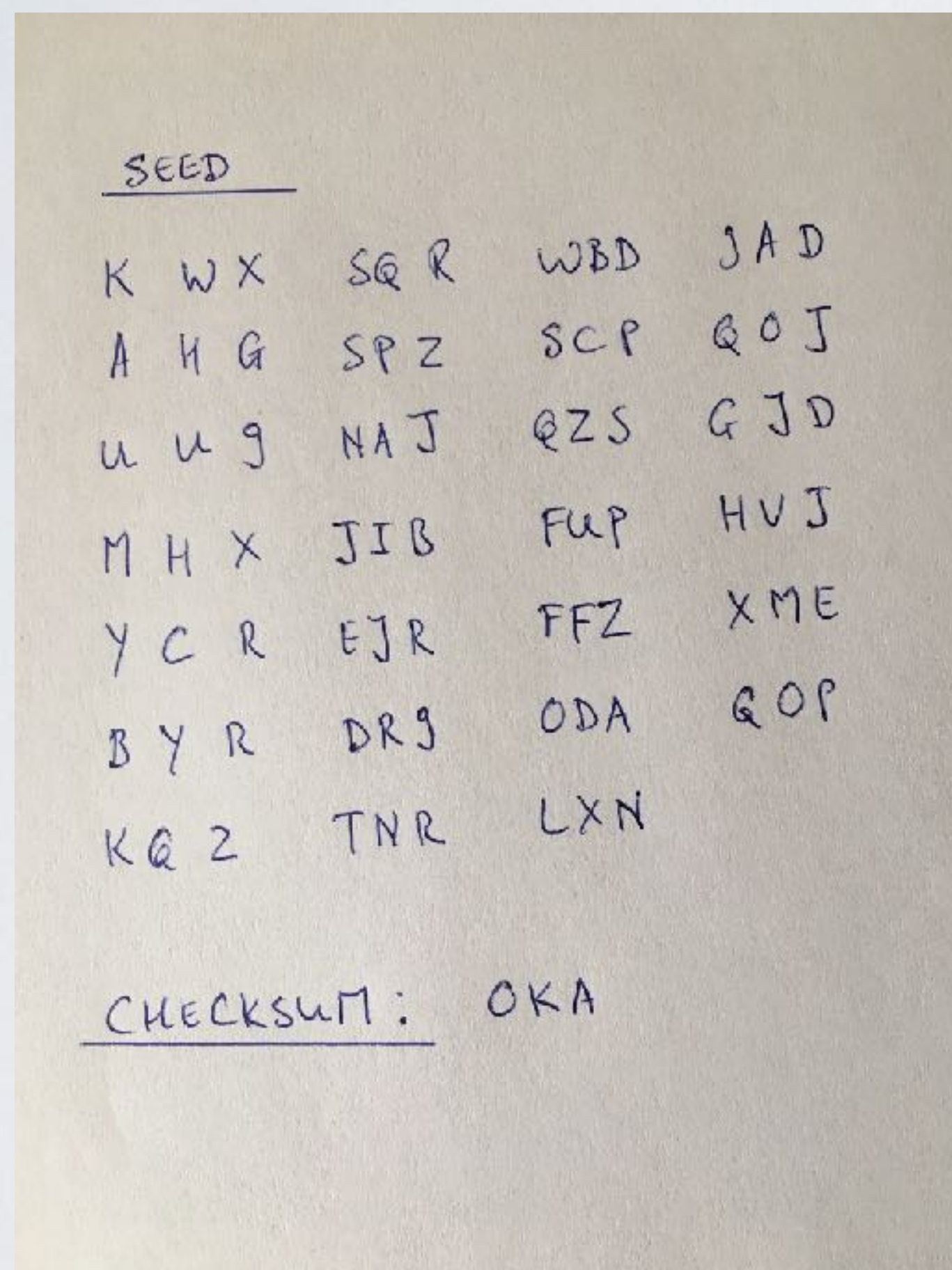
- Example 3

When the desktop Trinity wallet is available, the Two-Factor Authenticator is installed on the mobile phone.



SEED & CHECKSUM

- Always write down your checksum!



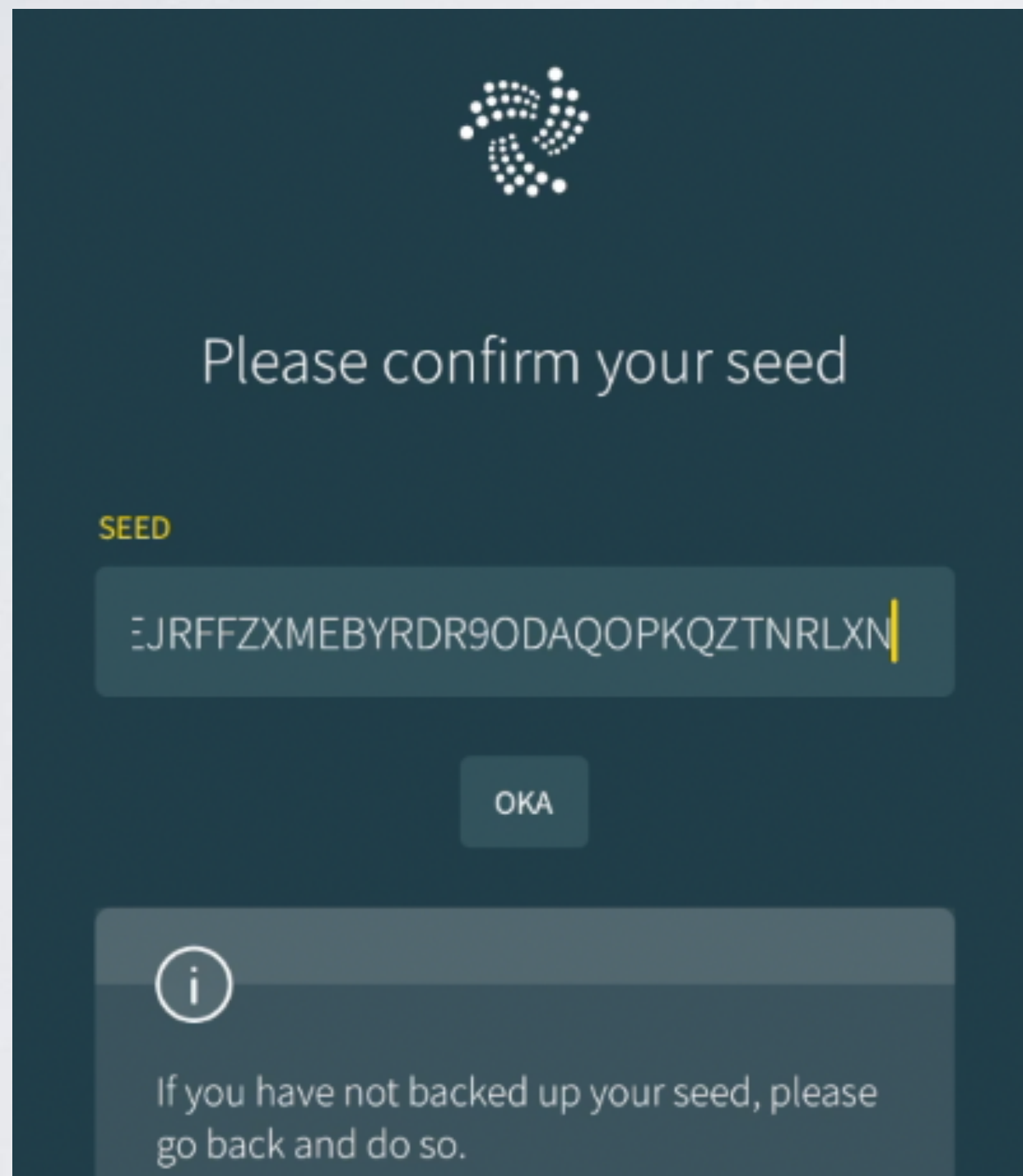
SEED

K	W	X	S	Q	R	W	B	D	J	A	D
A	H	G	S	P	Z	S	C	P	Q	O	J
U	U	G	N	A	J	Q	Z	S	G	J	D
M	H	X	J	I	B	F	U	P	H	V	J
Y	C	R	E	J	R	F	F	Z	X	M	E
B	Y	R	D	R	G	O	D	A	Q	O	P
K	Q	Z	T	N	R	L	X	N			

CHECKSUM: OKA

SEED & CHECKSUM

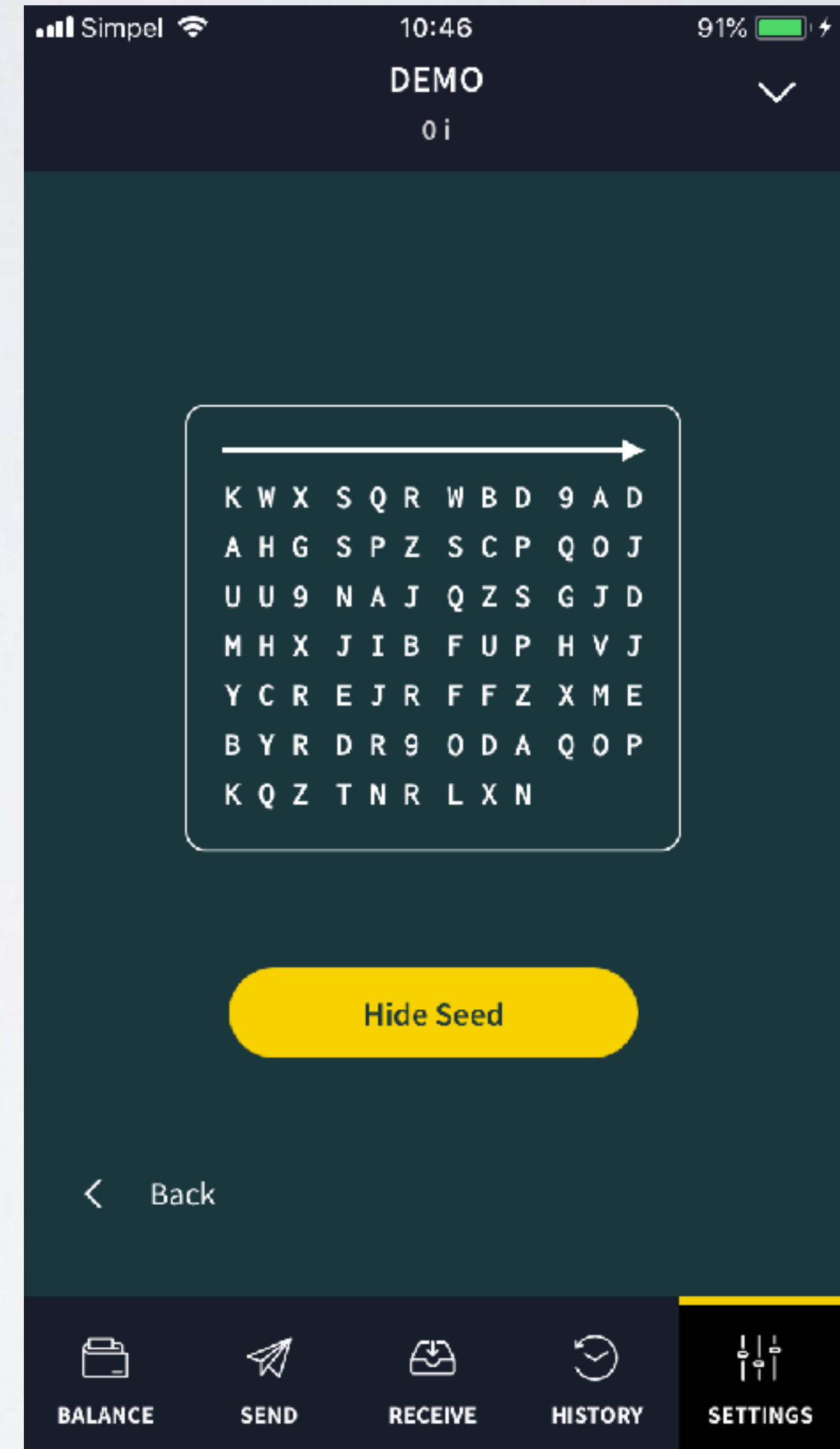
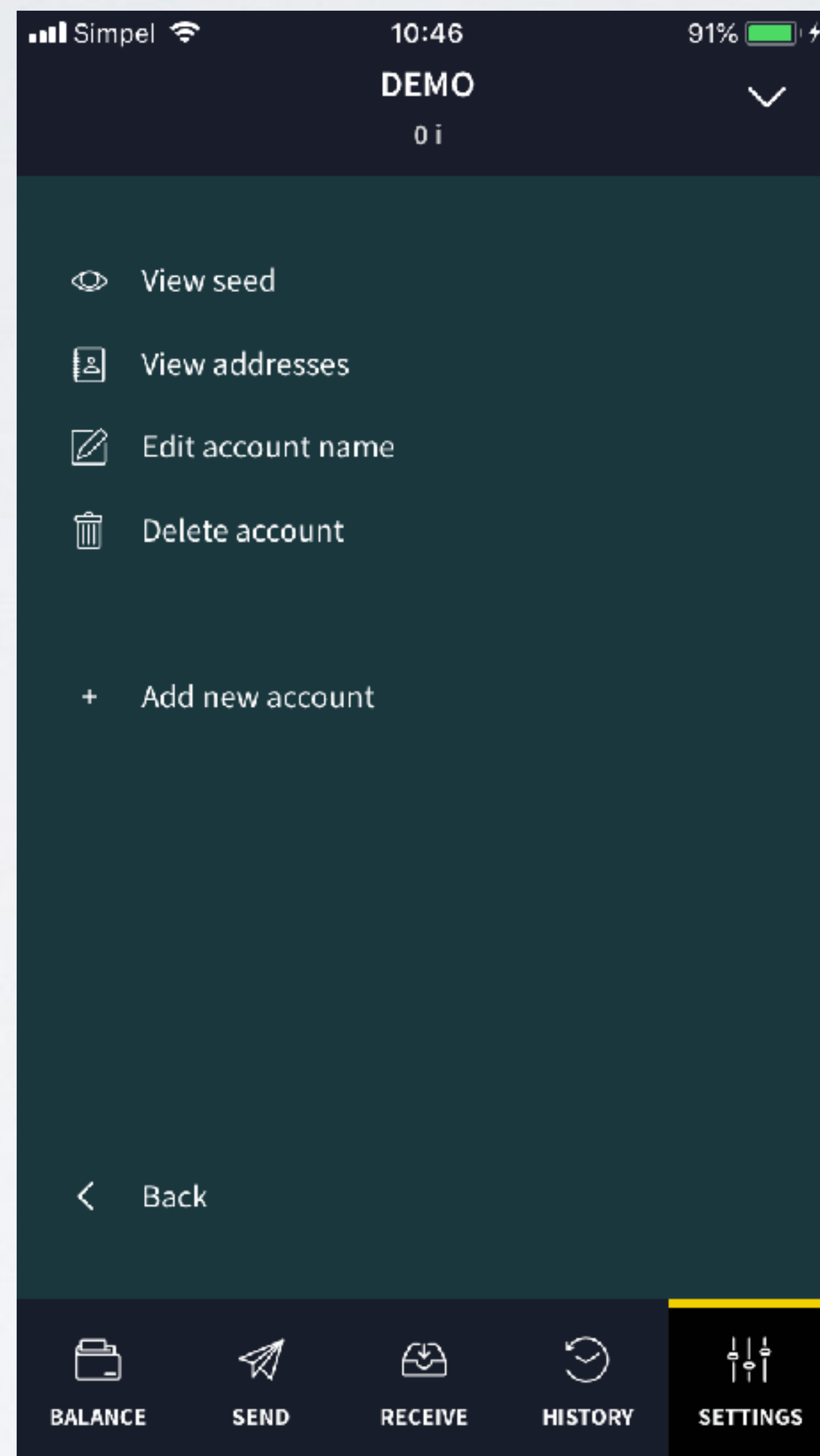
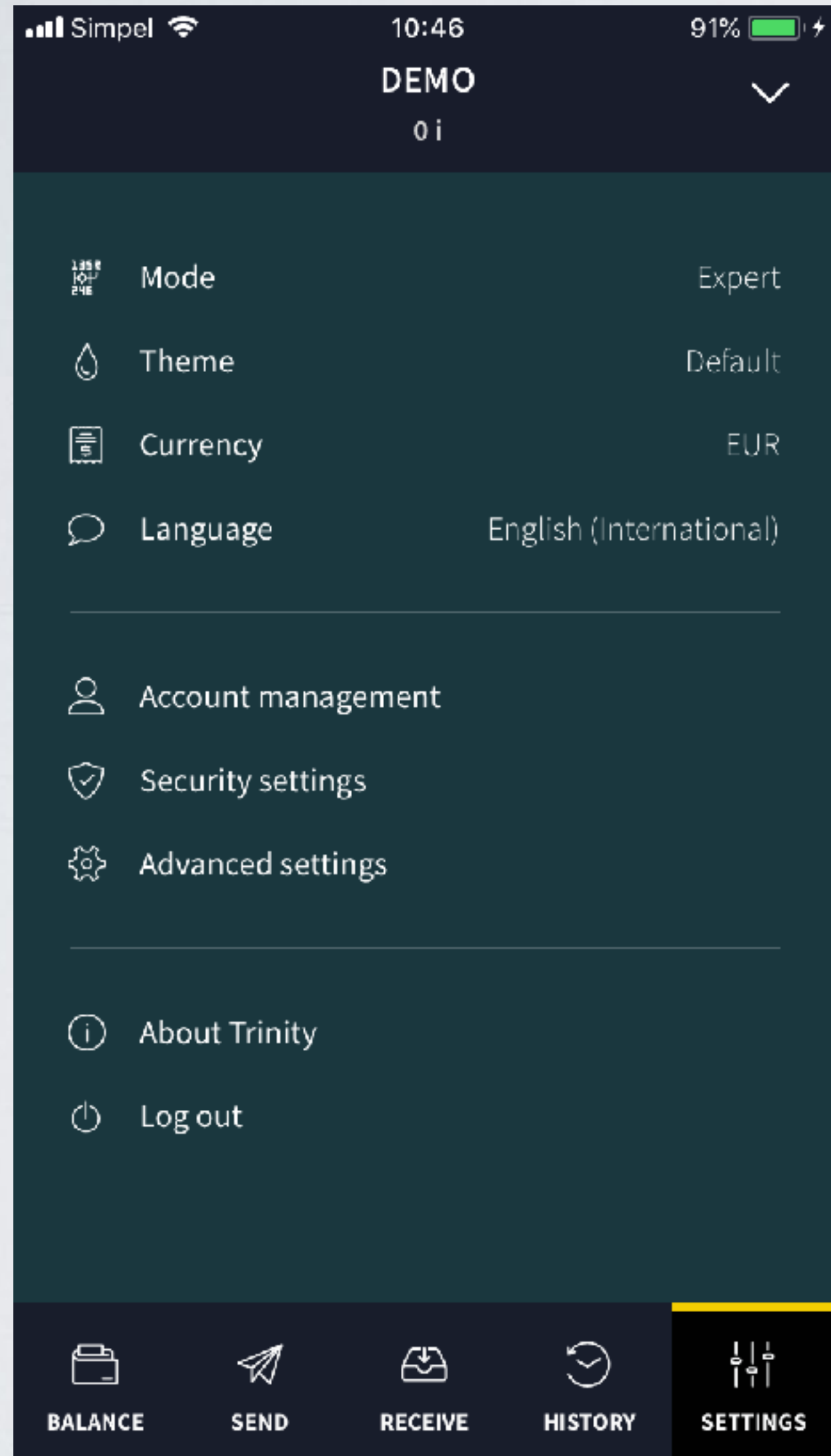
- The checksum consists of three characters. You use the checksum to verify if you entered your seed correctly. Each seed generates a different checksum.



SEED & CHECKSUM

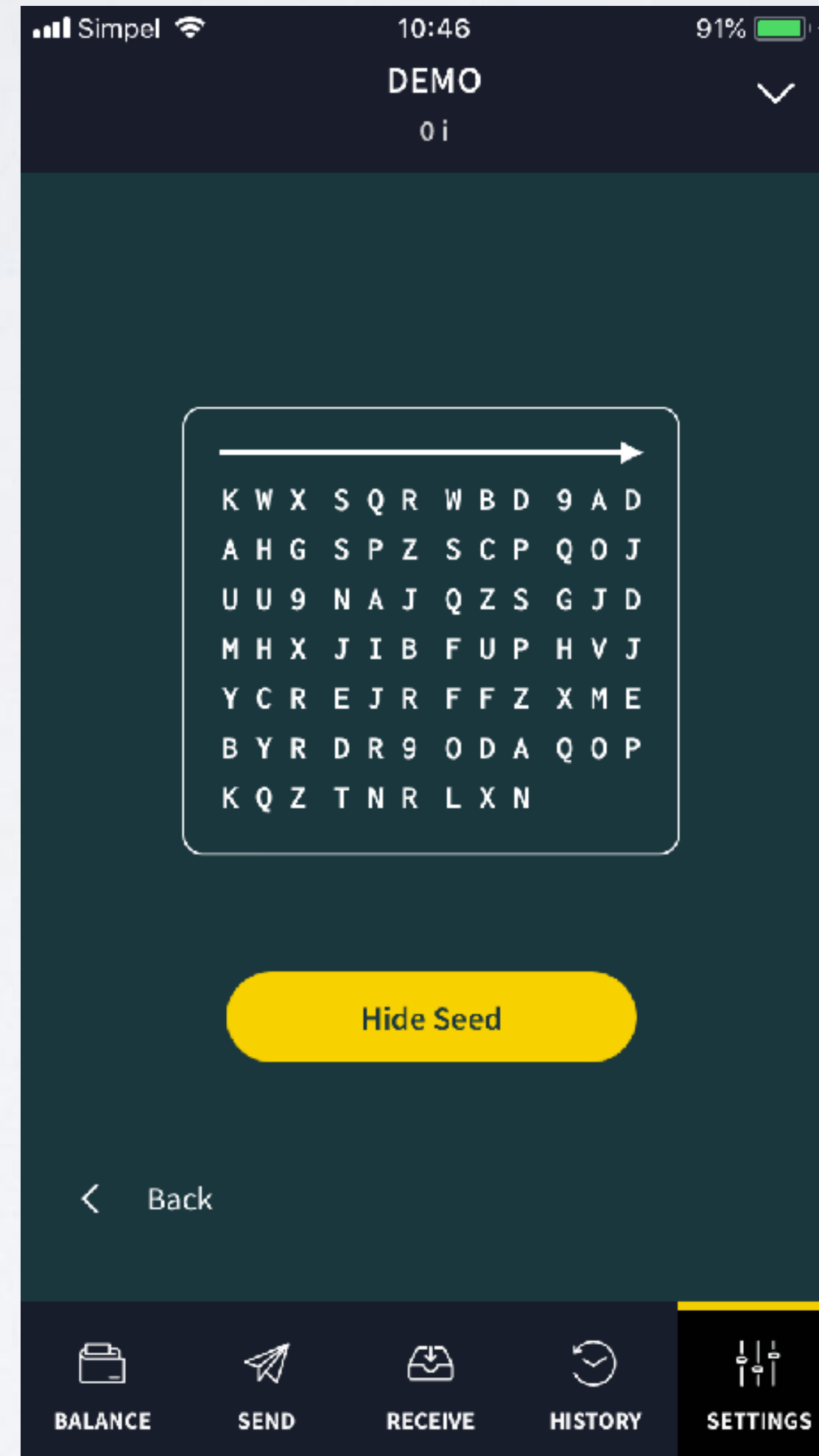
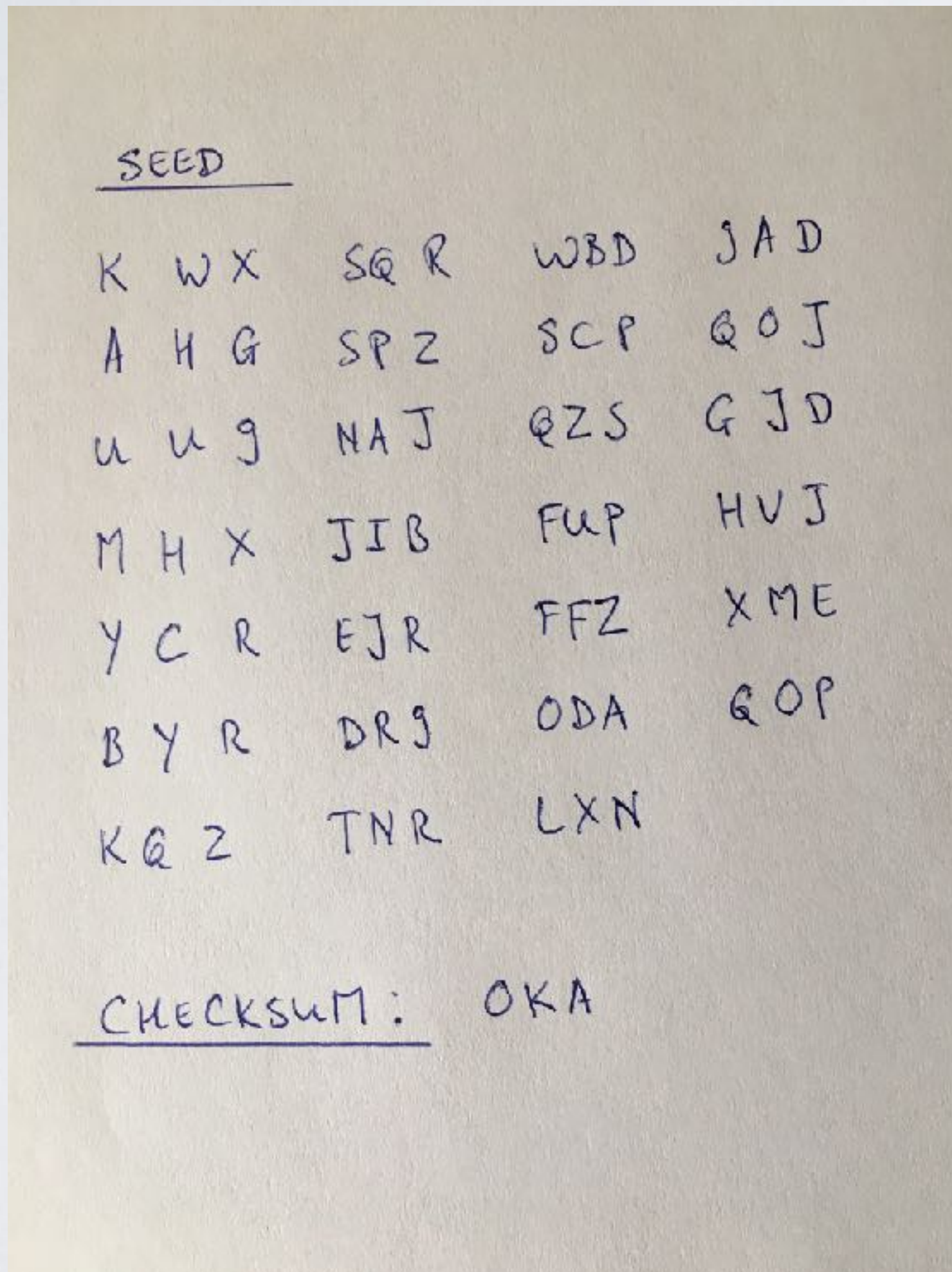
- There are people who have created their seed manually, for example using dices, a bag with scrabble letters etc.
- They will not have a checksum. In this particular situation when setting up the Trinity wallet make sure the seed is entered correctly AND write down the checksum.
- After you have setup your wallet, select Settings, Account management and select View seed.

SEED & CHECKSUM



SEED & CHECKSUM

- Now compare the written down seed with the one displayed on the screen!



SEED & CHECKSUM

- If both seed matches, then you have verified that the written down checksum is correct and belongs to your seed.
- Save this checksum together with your seed.
- Please note: These previous steps are only intended for people who manually created their seed and do not have a checksum and want to know their checksum.

RESTORE TRINITY WALLET

- If you cannot access your Trinity wallet because you have lost your password or you have problems with the Two-Factor Authentication then there is only one solution:
 - First delete and reinstall the Trinity wallet.
 - Setup the Trinity wallet again by entering your backed up seed.
 - When you have entered your seed make sure the checksum is correct.
 - Enter a password to secure your Trinity wallet.
You can enter your old password or you can enter a new password.
The password is only used to give you access to your wallet.
- Now your Trinity wallet is setup and ready to use.

RESTORE TRINITY WALLET

- You can install the Trinity wallet on multiple mobile phones using the same seed and using different passwords or the same password.
- Each of these mobile phones will give you access to the same accounts and balance information because you use the same seed.
- But for security reasons I do not recommend that you install the Trinity wallet on multiple mobile phones, I just inform you that you can, in case you *really* need it.