

Cryptocurrency SEED handling

The Problem

- Unhandy seeds to log into wallet
- Security concerns regarding
 - seed storage
 - copy&paste the seed to the wallet (Spyware)

1.

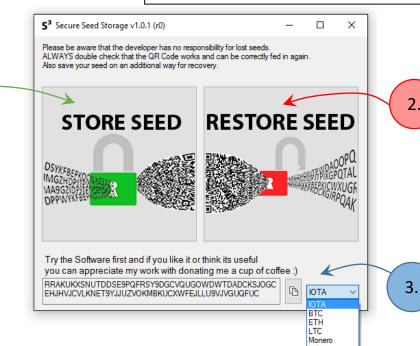
- o loss of the seed
- broken Computer
- No secure Seed-Generator for IOTA (probably in the new wallet)

The Solution

S³ - Secure Seed Storage

- Log into the wallet by simply holding the QR Code in front of your Camera (+optional password)
- Security concerns
 - o Easily to store, e.g. within a private folder
 - The software types the seed directly to your wallet without using copy&paste
 - You can print it multiple times and store it on different places (e.g. Friends, as without password you can't retrieve the seed)
 - You can read it on every computer using this software
 - Also I'll release a step by step guide explaining how to retrieve the seed just with online tools + your password
- Cryptographically secure random Seed-Generator

Go to 'Store Seed' and generate a new seed or convert an existing one into secure QR Code.



After creating a QR Code make sure several times that it is read and decrypted correctly - don't make to small QR Codes.

After that your QR Code is ready to be used anytime ©

I decided to release this piece of software for free as I'd like to make your seed storage and handling a bit easier and more secure.

If you want to check out transactions on different blockchains or tangle, my receiving address is stated and ready to receive a digital cup of coffee or a beer ;-)

Generate Seed

OMMSTBDYVEFBHUHLM9BJRGHFSKEKRZFZRSHIUPYPRGXESNJLUYZGXAKOYYPWVZNMJRCAY9UNIDGXBJDECYON

JRGUCANOCDYYVLSUZLNX9HHDNRWYQDEJSPOHAMRRMASIBKCFUYXSLAIEDESZVBKI9LEHYAAHEFMUMVGXDAKI USWMPWGRHMRMPQQDFFMLONLF9BKWT9ZJNMRLLLKTNYBAUZSAYSGHNDIZEMYORGHSXHGRDFT GRFIVSGQUDO9DGKYLASHADZUSVYGWUAUX9MNUGWIJNGFPZIADSORSPAPQVNKDYOLBGMCCYIYYDKINKODFSPY wvmntdyshnfpywmilxit9uakvk9szglaqmzowqxjlgnmtqcmjsfjwi9ydtdgweuzyqlmicswgjkwzpvrbsaj

GKPXJHSKICFUBFBRPI9UZXMROVYUYOFJM9WQQQCQYBRJNDMWJYGXKJN9HSYHNYAKJBHQRUYGIVSEHYVRBGR9

KBKMCSUYBYOVLJXIEKUNORESATD9TPZMOYYBIWXVJHEMOIVSKHISCS9BBRTKVBPKVJOSROJVJJG9SYS9BDHO GSMFGUHDVMDCMWLEZODNSFYLMRMKEX9LVVBKUVAOBYVXZYGAXBEWNHCVRYMPWNJCPISC9ZOCTCGAOSCFWH9A

81 < --Numbers Selected

Transfer it to

'Seed to Encrypt' - Box

without Copy & Paste

3.

KBDYRGFYOFNYHSGZYRVACXZZRON9I9KOLWUGBEKELAOMPOSFMITWBOIKTXVB

More Options

✓ A-Z □ 0-8 □ =!?\$%#+-()

1000 < -- (Generated) Number of Characters

Transfer it anywhere without

Copy & Paste

Generate New Seed

Generate

random

1.

Highlight 81 random chars

Insert highlighted text into

seed-textbox without copy&paste

can type a text with your keyboard.

You can also transfer the seed anywhere you

(Further description on (5.) 'Restore Seed' Page)

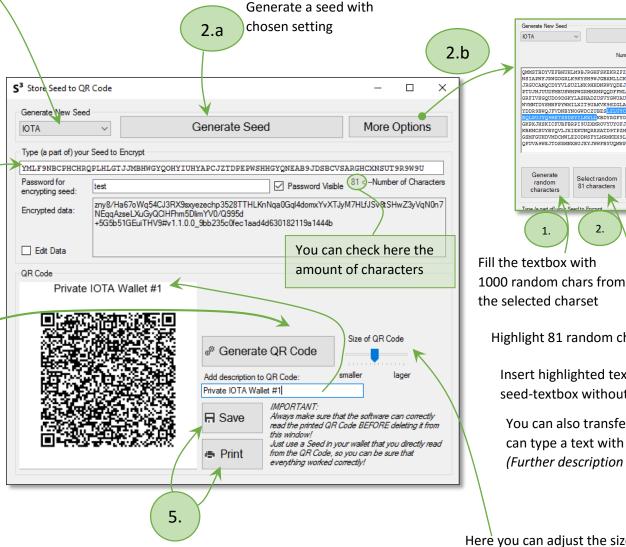
Select random

81 characters

Select the character-set you want to use for seed generation.

Actually supported:

- IOTA (A-Z, 9)
 - All Characters (A-Z, a-z, 0-9, =!?\$%#+-().:,;'/[]"<>*)
 - Custom



Here you can adjust the size of the QR Code produced-e.g. when the code don't fit on the printed page. Don't make it too small in order to not get problems with decryption.

Save or better **print** your seed directly.

IMPORTANT: Before closing this window, check on the 'Restore Seed'-Window if it correctly decrypts the seed

The generated seed (step 2) appears in this field – here you can

STORE SEED

Or you can skip step 1 & 2 and type your own seed directly here. Then modify it as much as you want.

modify it as much as you want.

Finally generate a QR Code from the encrypted data above

Take Screenshot

RESTORE SEED



Select the source how you want to feed your QR Code.

Options:

Camera Device

• File (Picture or PDF)

Screenshot (QR opened somewhere on the screen).

53 Restore Seed from QR Code Import QQ Code Webcam File U Device Integrated Webcam Select the camera to scan the OR Code and wait until you see the preview stream Data Payload QR 2c267e6630795d5d7t2d300e3f636275352f652f70222476347a71263576607069226c797t7c7b760e7b642c7e646336707e Type your password you have used to encrypt the data before Decrypt & Use Seed Password visible Password test Seed Seed visible ICLPRI99KLV9ZTVLTNTNHGAEWKAGPOYBZDZHGECF9LVIJSPPHFDVWMTQVSHEVCMOSWZDBQWQAKRIHPWTC Check if you got correct seed here To prevent your seed from beeing stolen from copy/paste clipboard this software sends your seed to the wallet and act for this reason as a keyboard. Transfer Seed anywhere After pressing the button you have 5 seconds to switch to the wallet and put the cursor without Copy & Paste into the seed textbox. After the 5 seconds the program starts automatically with typing ☑ Payload ☑ Password ☑ Seed ☑ Close Webcam 5.

Reload the camera device list

Open picture containing QR

Make sure that you have a green sign. That ensures that the data is complete and not corrupt

With this button you can send the data to any text inputfield on your computer. For this the software works as kind of keyboard and just types your seed directly where you set keyboard cursor (the flashing vertical line).

After pressing the button you have 5 seconds to change window and set the cursor in the appropriate inputbox - so open your wallet before;) – then the software starts typing the seed directly there. So you don't have to use copy&paste.

After your seed is sent all the databoxes selected here are resetted in order to not forget to leave the visible seed here

Some additional safety hacks:

- Remove the last xx characters from the seed and note it handwritten on the backside of the printed QR
- Same as above but replace it with a word you remember
- Use a password that cannot be guessed
- Don't store your QR somewhere online or on your PC
- Never let a software doing something like this one connect to the internet





