ErgoWallet.io

Magnum Wallet Recover Manual

gagarin55@protonmail.com

We are going to extract private key in hex format from mnemonic phrase and import it into

Ergo Wallet Desktop (https://ergowallet.io)

Every tool is open source and used locally

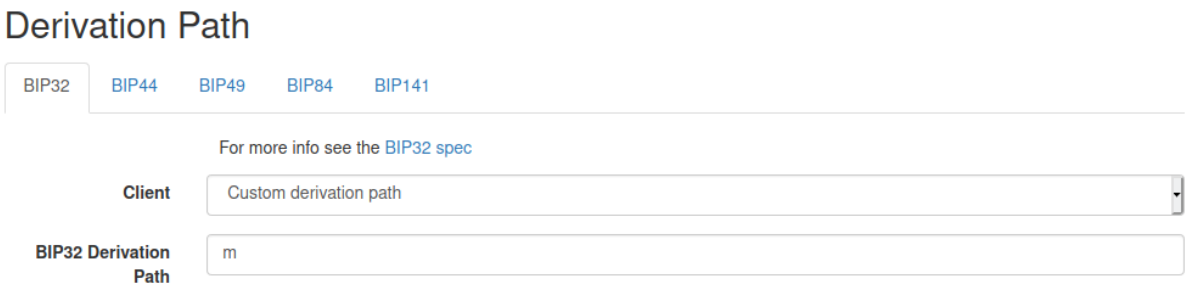
Step 1: WIF-format private key

1. Download BIP39 tool from `https://github.com/iancoleman/bip39/releases/download/0.5.2/bip39-standalone.html`

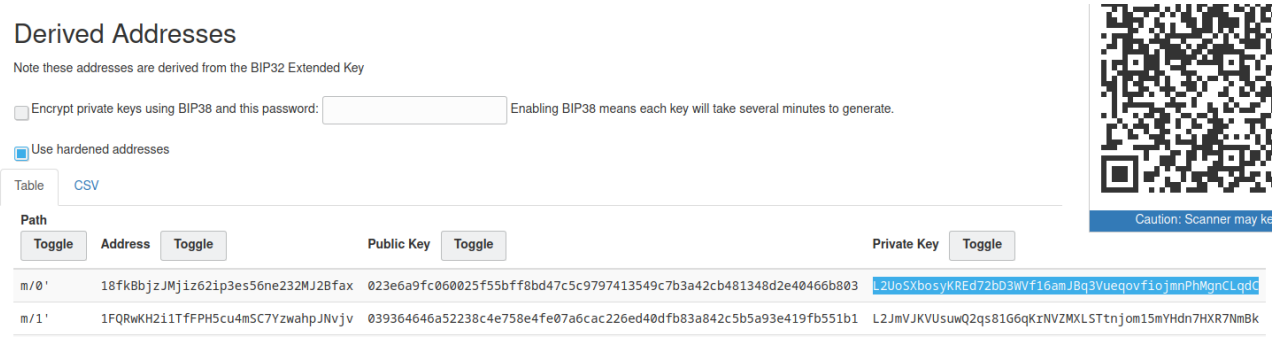
2. Open file `bip39-standalone.html` in browser

3. Enter your 12 words mnemonic in the field

4. Select BIP32 tab in Derivation Path section, for Client field use “Custom derivation path” and leave BIP32 Derivation Path field with **“m”**. As showed on the picture bellow



5. In the Derived Addresses section tick “**Use hardened addresses**” checkbox



Now we have keys for following derivation paths `m/0', m/1'`, etc.

You need the first Private Key. On the picture above it is

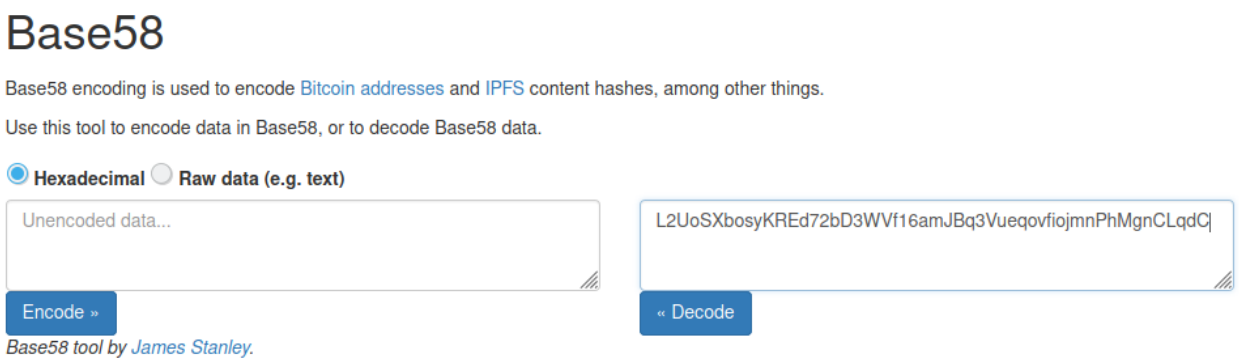
```
L2UoSXbosyKREd72bD3WVf16amJBq3Vueqovfiojmn PhMgnCLqdC
```

The key is in WIF-format.

Step 2: Hex private key from WIF private key

Let’s extract raw hex private key from WIF-format

1. Download Base58 decode tool from https://github.com/jes/base58/archive/master.zip
2. Unzip archive and open `index.html` in a browser
3. Put your private key from Step 1 into right input field and press “**Decode**” button



4. You will get hex string in the left field. For our key it is:

```
809cf33e8cbfc13b8ef95048a44e324edd3bad7a239ba02ce843d310a9dd2
df29101e6e20a7b
```

5. Now, you have to remove:

   - 2 chars from the beginning (it's **80)**

   - 10 chars from the end (it's **01e6e20a7b**)

   We have pure private key now (64 chars):

```
9cf33e8cbfc13b8ef95048a44e324edd3bad7a239ba02ce843d310a9dd2df
291
```

6. Download `ErgoWallet` from https://ergowallet.io and import this private key. You should get access to your ERGs.