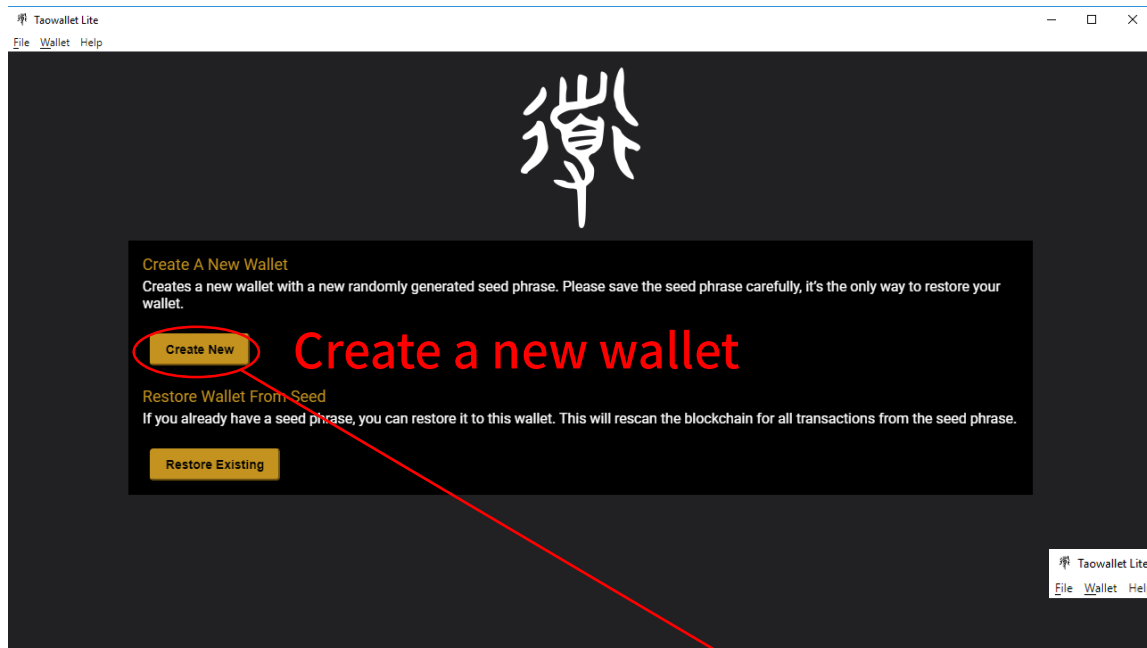


Plot and Mine

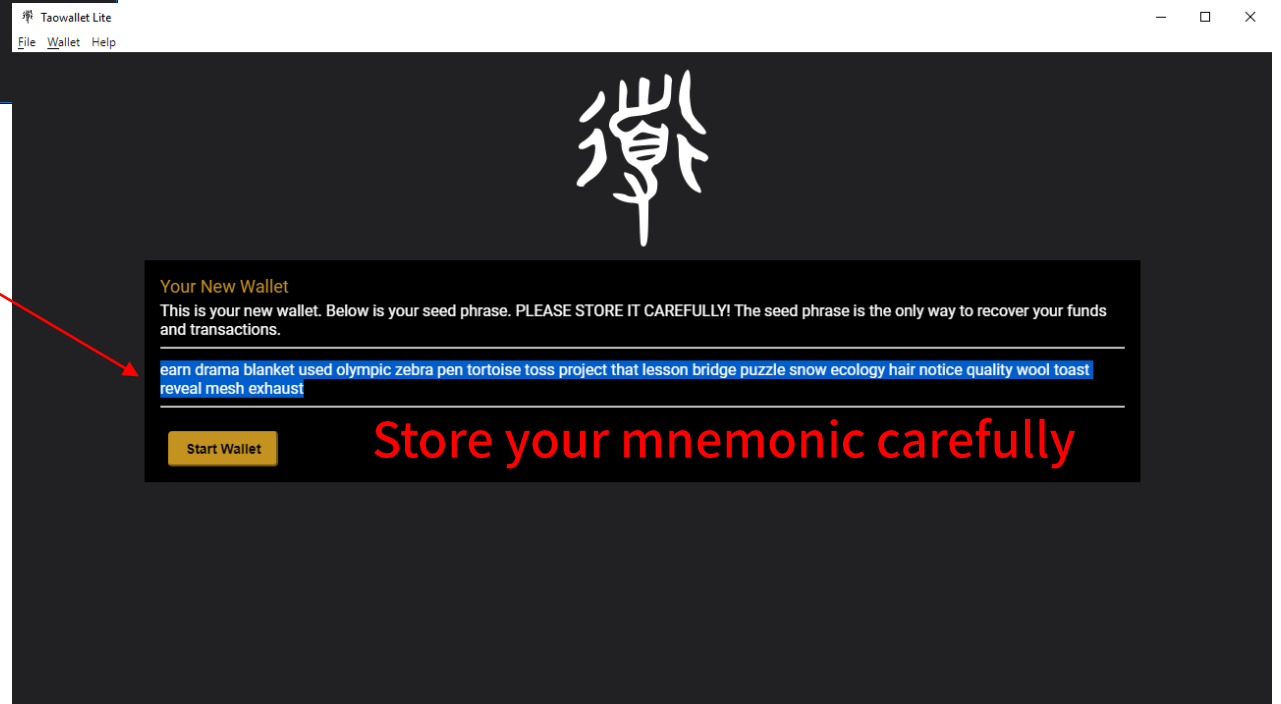
The TAO Foundation

V 0.9

Jan.6th 2021



Create your 1st wallet



3 steps to get your plot id

Step 1: Click on the **Receive** button in the sidebar.

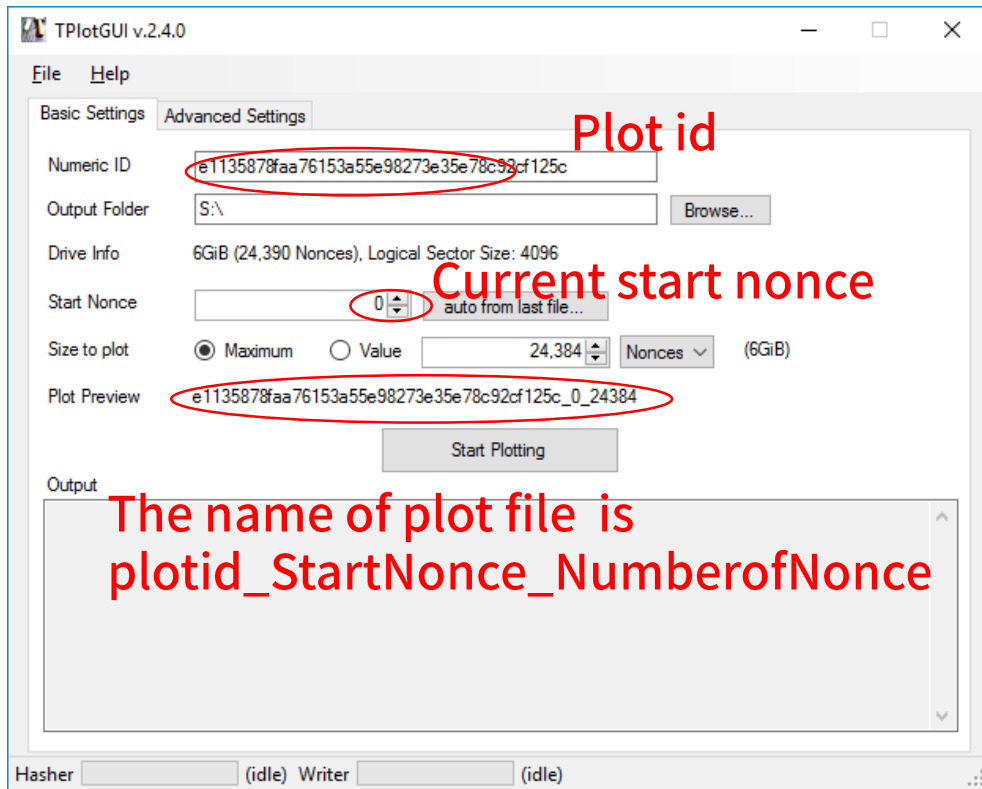
Step 2: Select the **Transparent** tab to view your privacy address.

Step 3: Click on the **Export Plot Id** button to generate your plot ID.

Your privacy address

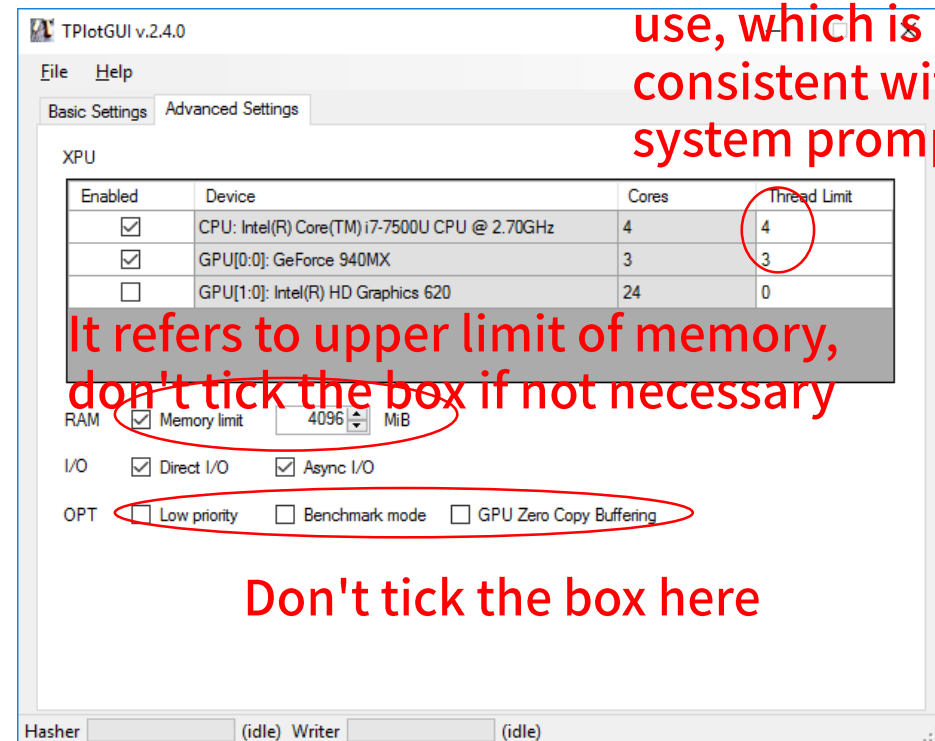
Your transparent address

Your plot id



Plotting

Fill in the number of threads you want to use, which is generally consistent with the system prompt.



1. First, install .Net framework runtime 4.7, then run tpgui.exe, which is only working under 64-bit systems.
2. Make sure your plot id is correct.
3. Check the FAQ for start nonce calculation.
4. You can choose "Maximum" directly, or choose "Value" to specify the size to plot.
5. Each nonce occupies 256k bytes. The plotting capability in NTFS file system of Windows is about 3814720 nonce/T, while in ext4 file system of Linux is about 3560320 nonce/T.

```
R:\plot>engraver_cpu.exe -i 893accb84aad6227ffa936a0df263c0512b83525 -s 0 -n 1024 -p r:\
Engraver 2.5.0 - PoC2 Plotter
```

```
CPU: Intel(R) Core(TM) i5-6200U CPU @ 2.30GHz [using 4 of 4 cores (SIMD = AVX2)]
```

```
RAM: Total=7.87 GiB, Free=3.92 GiB, Usage=0.25 GiB
```

```
Numeric ID: 893accb84aad6227ffa936a0df263c0512b83525
```

```
Start Nonce: 0
```

```
Nonces: 1024
```

```
Output File: r:\893accb84aad6227ffa936a0df263c0512b83525_0_1024
```

```
Fast file pre-allocation...OK
```

```
Starting plotting...
```



```
engraver_cpu.exe -i 893accb84aad6227ffa936a0df263c0512b83525 -s 0 -n 1024 -p r:\
```

Use CPU-only command lines to plot harddisks

-i : plot ID

-s : current start nonce

-n : the total number of nonce. If you chose -n 0, that means it will automatically full-fill the disk.

-p : the path of plot files

-m: Specify how much RAM to use, for example -m 4G will only use 4G RAM, but in most cases it is not recommended to use this parameter.

Before use GPU plotter, use `-o` option to get your graphics card info:

`engraver_gpu.exe -o`

`engraver_gpu.exe -g 0:0:24 -c 4 -i 893accb84aad6227ffa936a0df263c0512b83525 -s 0 -n 1024 -p r:\`

`-g` : Specify which GPU to use, in this case 0:0:24 is the info obtained by the previous `-o` parameter, which refers to platform id, devices id and cores in order.

`-c` : The amount of CPU cores to use, this case is 4 cores to use.

`-i` : The plot ID

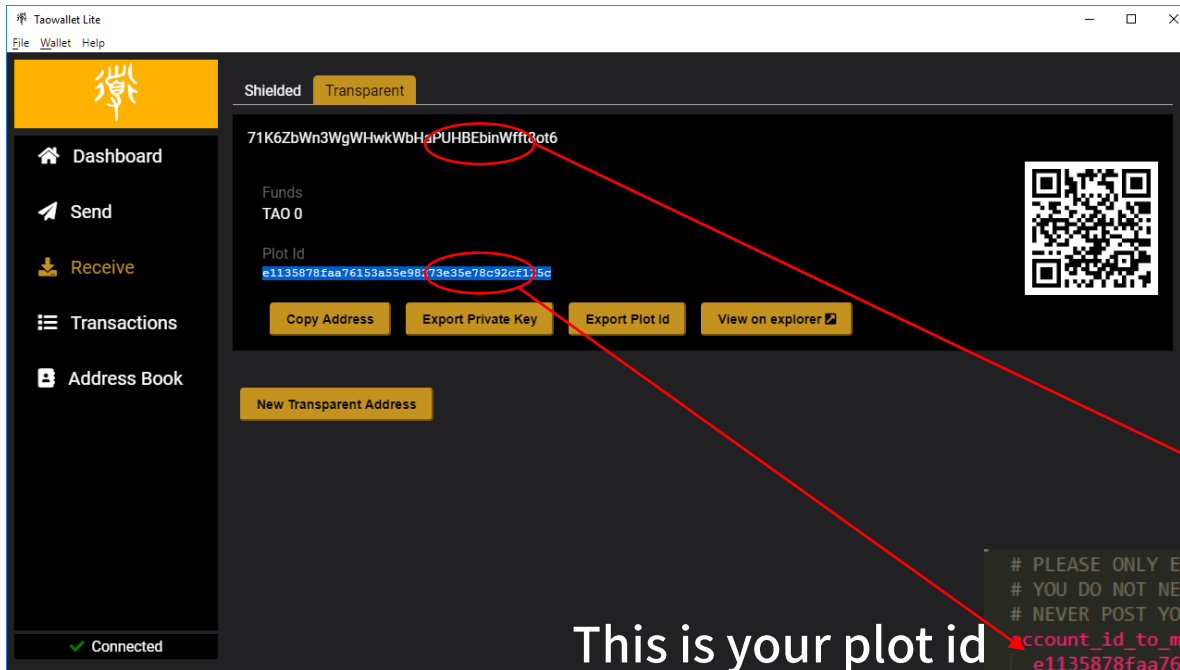
`-s` : The start nonce

`-n` : the total number of nonce. If you chose `-n 0`, that means it will automatically full-fill the disk.

`-p` : The path of plot files

`-m`: Specify how much RAM to use, for example `-m 4G` will only use 4G RAM, but in most cases it is not recommended to use this parameter.

Mining



This is your transparent address beginning with 7

This is your plot id

```
# PLEASE ONLY ENTER YOUR PASSPHRASE BELOW IF YOU ARE GOING TO MINE SOLO!
# YOU DO NOT NEED TO ENTER YOUR PASSPHRASE FOR POOL MINING.
# NEVER POST YOUR CONFIG.YAML INCLUDING YOUR PASSPHRASE TO ANY BOARD OR CHAT!
account_id_to_miner_addr: # define accounts and pub key addr for solo mining
  e1135878faa76153a55e98273e35e78c92cf125c: '71K6ZbWn3WgWHwkWbHaPUHBEbinWfft8ot6'

plot_dirs:
  - '/mnt/hdd'
  - 'C:\second\windows\p
  - '/first/linux/plot_dir'
  - '/second/linux/plot

url: 'http://s0.thetao.cash:19456'
http_account: test
http_password: test
#url: 'http://50-50-pool.burst.cryptoguru.org:8124' # cryptoguru 50-50 pool
#url: 'http://dummyspool.megash.it' # dummyspool with constant scoop number for

hdd_reader_thread_count: 0 # default 0 (=auto: number of disks)
hdd_use_direct_io: true # default true
hdd_wakeup_after: 240 # default 240s

cpu_threads: 0 # default 0 (=auto: number of logical cpu cores)
cpu_worker_task_count: 4 # default 4 (0=GPU only)
cpu_nonces_per_cache: 65536 # default 65536
cpu_thread_pinning: false # default false
```

Your path of local plot files is kept here on demand.

1. Put config.yaml and tminer.exe under the same directory.
2. Currently, you only need to configure three parameters: mining id, mining address and the directory of plot files.
3. After all settings done, double click tminer.exe to start, which is only working under 64-bit systems