

TRBO (TRBO) Masternode Setup Guide:

A TRBO masternode requires 5000000 TRBO of collateral to operate. This guide will show you how to get started with mining TRBO through masternode proof-of-stake.

Start out by downloading the TRBO Wallet from [Github](#) or [TRBO Website](#) and running trbo-qt.

NOTE: You can run your hot wallet on a different computer than your cold wallets. This can increase security by keeping your hot wallet (with coins) on your local computer. To do this, complete steps 1-10 on your local machine's wallet (editing masternode.conf), and then do the rest on your VPS wallet (editing trbo.conf).

1. Click the Receive tab in your wallet. Create a new address and call it MN1 in the Label field. Type 5000000 in the Amount field. Click request payment to get an address.

TRBO Core - Wallet

File Settings Tools Help

Overview Send Receive Transactions Masternodes Proposals

Use this form to request payments. All fields are optional.

Label: MN1

Amount: 5000000.00000000 TRBO

Message:

☐ Reuse an existing receiving address (not recommended)

[Request payment](#) [Clear](#)

Requested payments history

Date	Label	Address	Message	Amount (TRBO)
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[Show](#) [Remove](#)

Synchronizing sporks... Synchronizing additional data: 25%

2. This will be the address for your masternode collateral. Copy the Address field.

TRBO Core - Wallet

File Settings Tools Help

Overview Send Receive Transactions Masternodes Proposals

Use this form to request payments. All fields are optional.

Label:

Amount: TRBO

Message:

☐ Reuse an existing receiving address (not recommended)


Requested payments history

Date	Label	Address	Amount (TRBO)
02/06/2019 13:25	MN1	TT79XykEouqsn... (no	5 000 000.000000...

Synchronizing sperks... Synchronizing additional data: 23%

TRBO

Request payment to MN1



Payment information
URI: <trbo:TT79XykEouqsnKpYUW4Ymv8mvDRhGybSb9?amount=5000000.00000000&label=MN1>
Address: TT79XykEouqsnKpYUW4Ymv8mvDRhGybSb9
Amount: 5 000 000.00000000 TRBO
Label: MN1

3. Next, send exactly 5000000 TRBO to this address from the Send tab. Click send to send the transaction and click Yes to accept the fee.

The screenshot shows the 'Send' tab of the TRBO Core - Wallet application. The interface includes a top menu bar with 'File', 'Settings', 'Tools', and 'Help'. Below this is a navigation bar with 'Overview', 'Send', 'Receive', 'Transactions', 'Masternodes', and 'Proposals'. The 'Send' tab is active, displaying the 'Coin Control Features' section with an 'Open Coin Control...' button and a note 'Coins automatically selected'. There are checkboxes for 'Custom change address' and 'Split UTXO'. The 'Pay To' field contains a TRBO address, and the 'Label' field contains 'MN1'. The 'Amount' field is set to '5000000.00000000' with a unit dropdown set to 'TRBO'. A 'Transaction Fee' section shows a 'Recommended' fee of '0.00010000 TRBO/kB' and a 'Custom' fee of '0.00100000 TRBO' with a unit dropdown set to 'TRBO'. There are checkboxes for 'SwiftTX', 'Send as zero-fee transaction if possible', and 'Pay only the minimum fee of 0.00010000 TRBO/kB'. At the bottom, there are buttons for 'Send', 'Clear All', and 'Add Recipient'. The status bar at the bottom shows 'Synchronizing blocks...' and 'Synchronizing additional data: 25%'. The balance is displayed as 'Balance: 296006000.00000000 TRBO'.

TRBO Core - Wallet

File Settings Tools Help

Overview Send Receive Transactions Masternodes Proposals

Coin Control Features

Open Coin Control... Coins automatically selected

☐ Custom change address Enter a TRBO address (e.g. TrboC6e64u972P01e6wz7D3gnnw9CtR)

☐ Split UTXO # of outputs UTXO Size: 0 TRBO

Pay To: Tr792yktEougenPpT6W42mV6mV8b07b5b9

Label: MN1

Amount: 5000000.00000000 TRBO

☐ SwiftTX Confirmation time: normal (Smart fee not initialized yet. This usually takes a few blocks...)

Transaction Fee: Choose... Minimize

☐ Recommended 0.00010000 TRBO/kB

☒ Custom: per kilobyte total at least 0.00100000 TRBO

☐ Pay only the minimum fee of 0.00010000 TRBO/kB (read the tooltip)

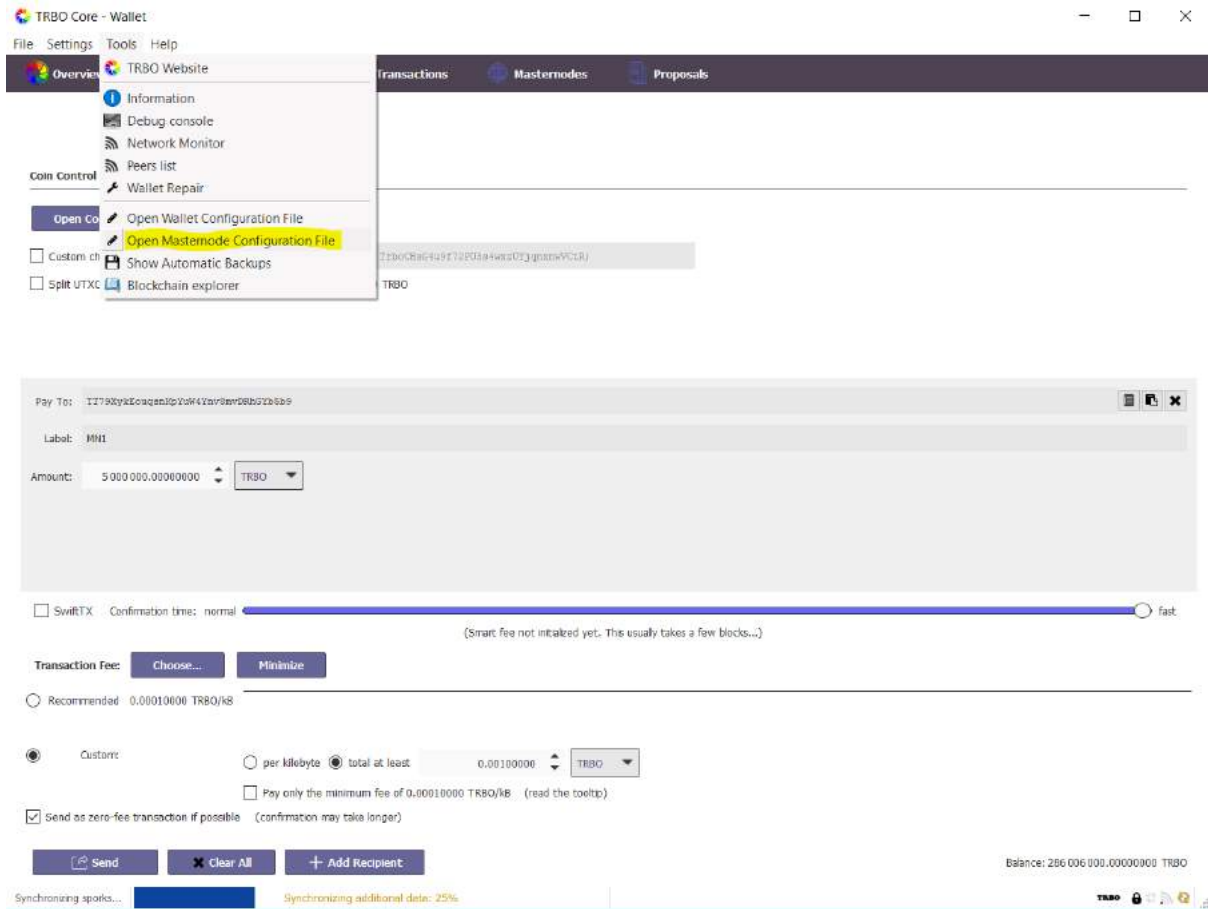
☒ Send as zero-fee transaction if possible (confirmation may take longer)

Send Clear All Add Recipient

Balance: 296006000.00000000 TRBO

Synchronizing blocks... Synchronizing additional data: 25%

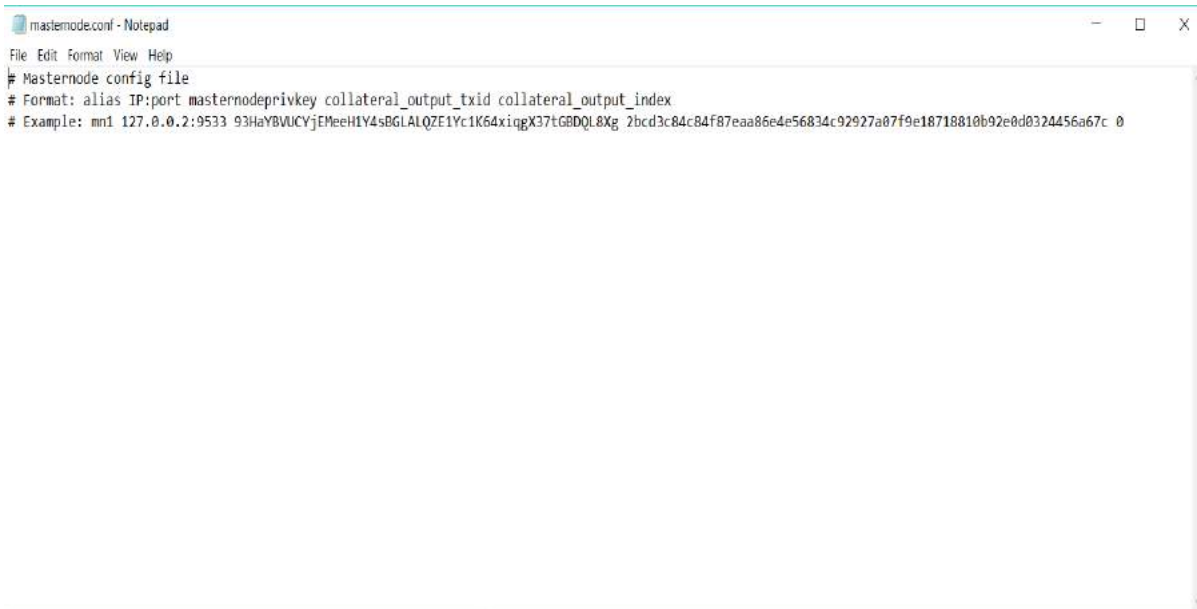
4. Time to edit the Masternode Configuration file. Click on Tools and click “Open Masternode Configuration File”. This should open in your text editor (Notepad).



5. Now we need to add 1 line of code to the Masternode Configuration file. This is easy. It just takes a few steps. You need to fill out the following code format:

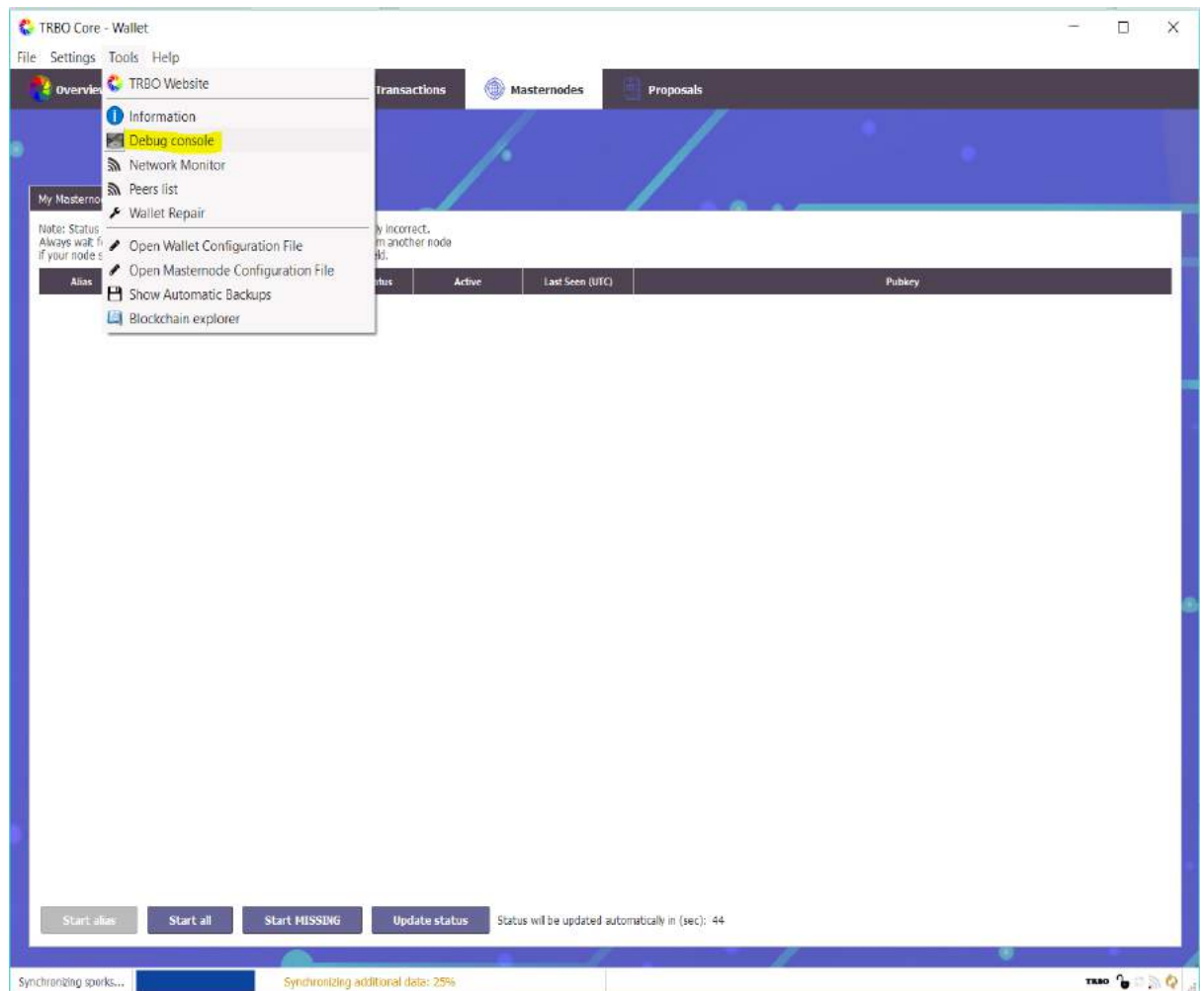
alias IP:port masternodeprivkey collateral_output_txid collateral_output_index

Your alias is your masternode name (MN1). Next, you need your VPS or host computer IP address. If you use ZapHosting, this can be found on your user dashboard. The port for TRBO is 9533. Your config file should now look like this:

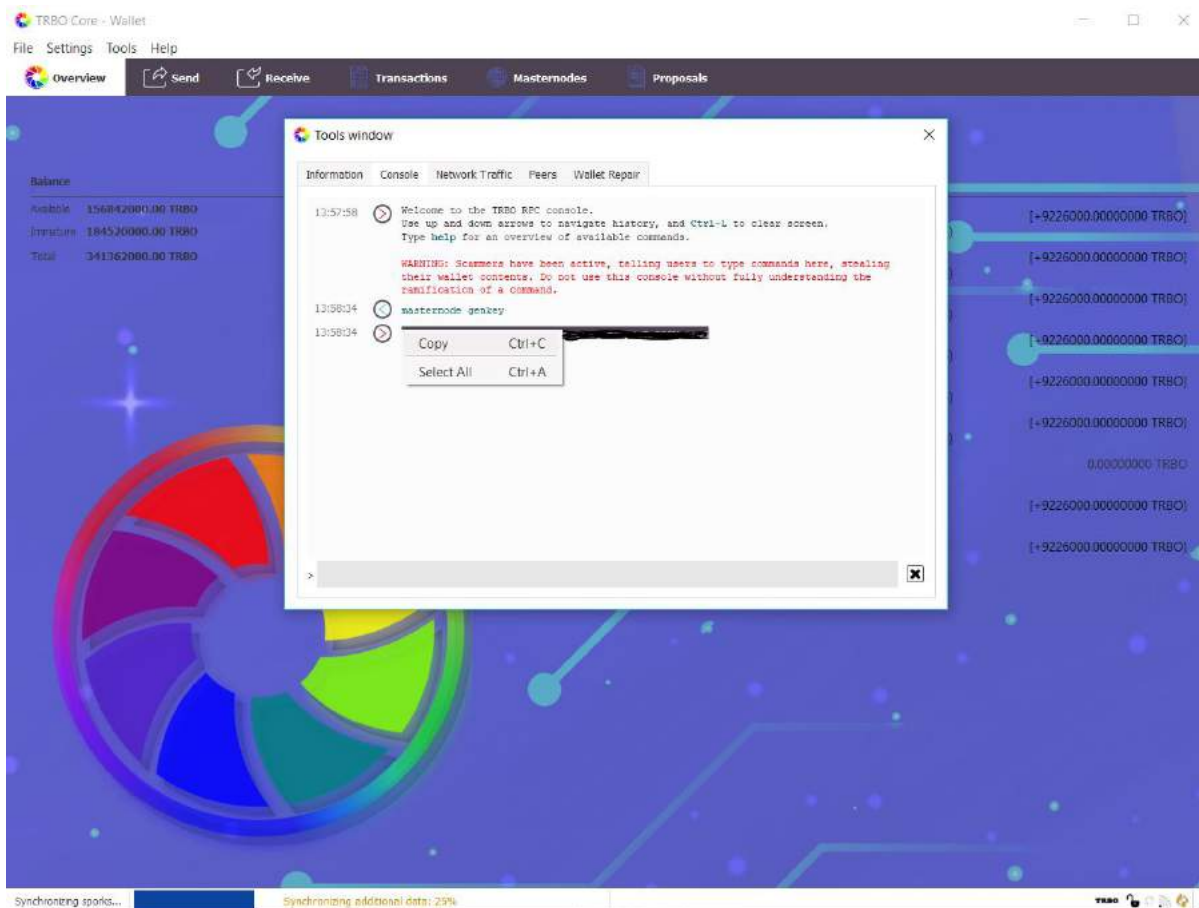
A screenshot of a Notepad window titled "masternode.conf - Notepad". The window contains the following text:

```
File Edit Format View Help
# Masternode config file
# Format: alias IP:port masternodeprivkey collateral_output_txid collateral_output_index
# Example: mn1 127.0.0.2:9533 93HaYBVUCYjEMeeH1Y4sBGLALQZE1Yc1K64xiqgX37tGBDQL8Xg 2bcd3c84c84f87eaa86e4e56834c92927a07f9e18718810b92e0d0324456a67c 0
```

6. Now go to your wallet, click Tools and click the Debug Console.



7. Type “masternode genkey” and press Enter. Copy the result.



8. Paste into your Masternode config file.

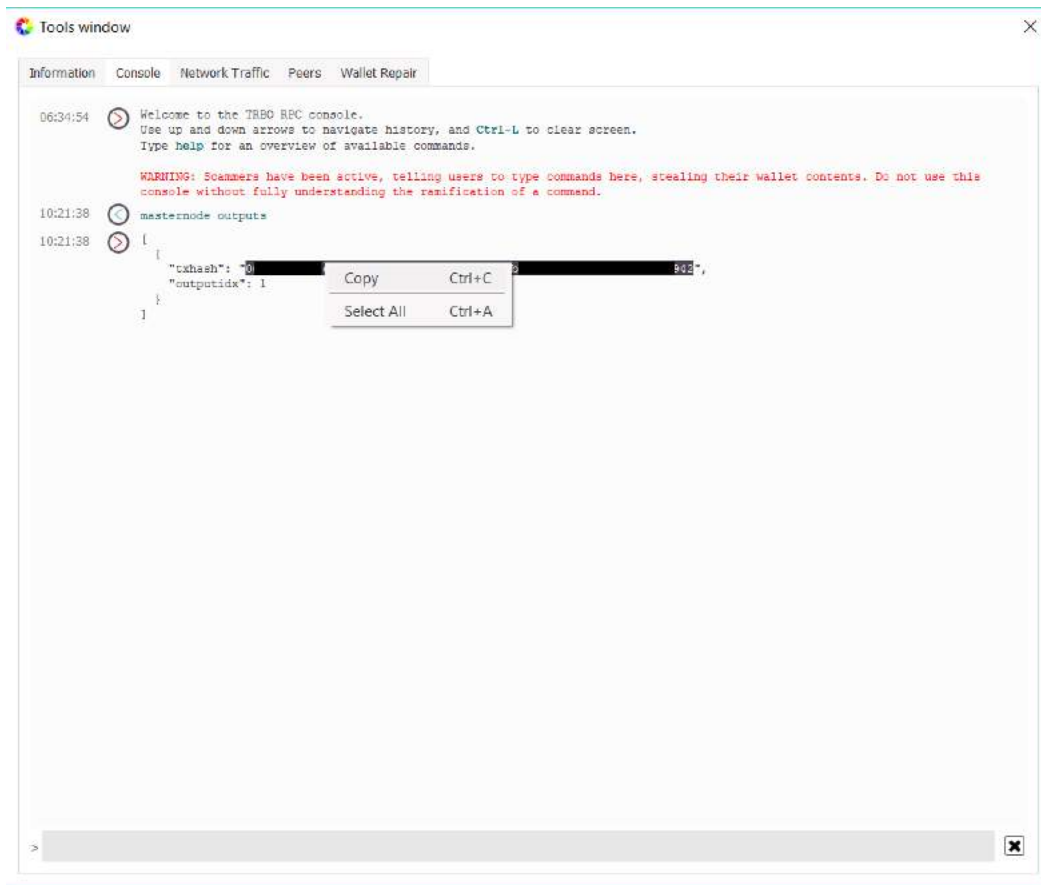
masternode.conf should look like the following – MN1 IP address:9533 Masternodegenkey



```
File Edit Format View Help
# Masternode config file
# Format: alias IP:port masternodeprivkey collateral_output_txid collateral_output_index
# Example: mn1 127.0.0.2:9533 93HaYBVUCYjELeeH1V4sBGLALQZE1Yc1K64xiqgX37fG8DQL8Xg 2bcd3c84c84f87eaa86e4e56834c92927a07f9e18718810b92e0d0324456a67c 0

MN1 72.14.127.1:9533 2rK...AGZ...GWB5WqGdFnpdq7s...
```


9. Go back to the debug console and type “masternode outputs” and press enter. Copy the txhash and note the outputidx.



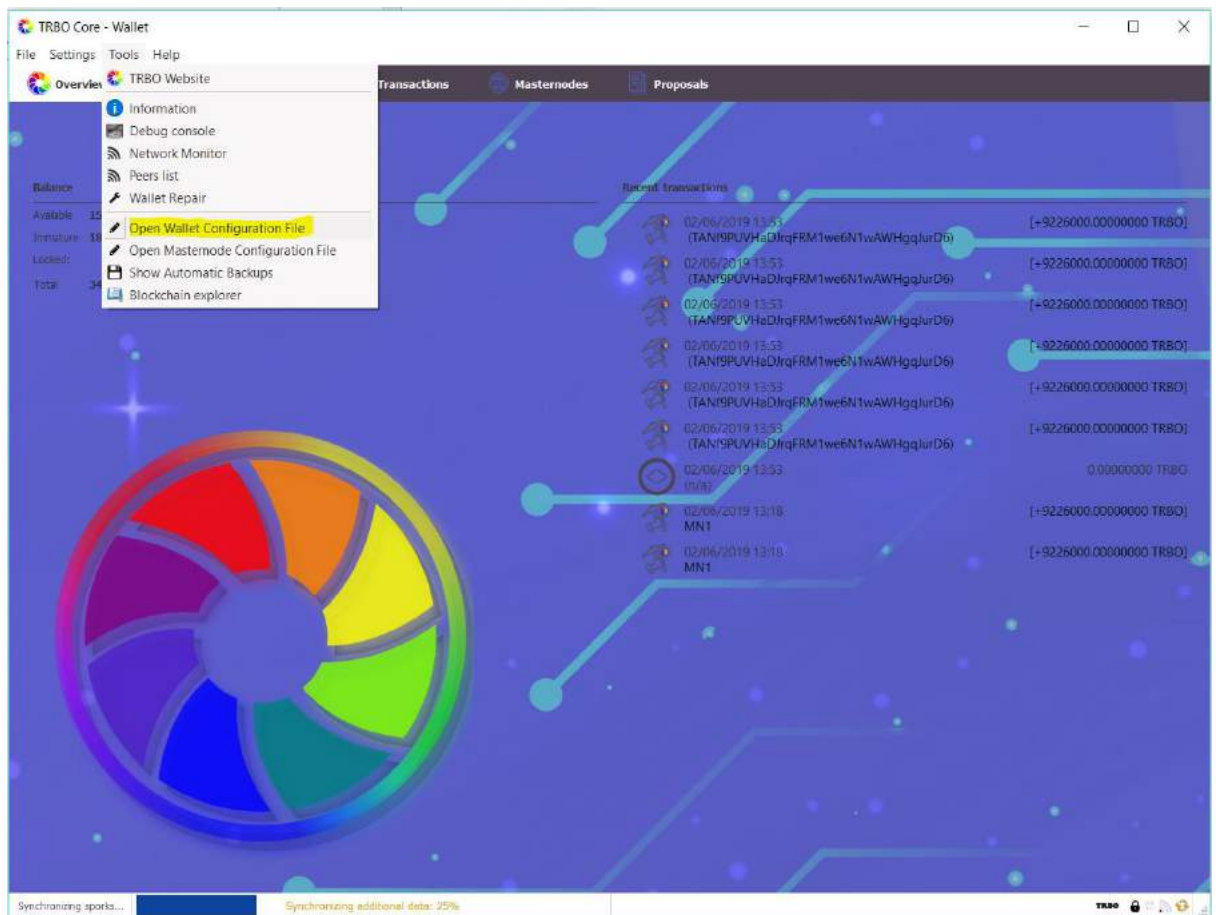
10. Paste the txhash into the masternode config file. Don't forget the outputidx. Save the masternode config file and then close the wallet.

masternode.conf should look like - MN1 IP address:9533 Masternodegenkey outputTX outputtx



```
masternode.conf - Notepad
File Edit Format View Help
# Masternode config file
# Format: alias IP:port masternodeprivkey collateral_output_txid collateral_output_index
# Example: mn1 127.0.0.2:9533 93HaYBVUCYjEMeeH1V4sBGLALQZE1Yc1K64xiqgX37tG8DQLBxg 2bcd3c84c84f87eaa86e4e56834c92927a07f9e18718810b92e0d0324456a67c 0
MN1 7 2 2 9533 [REDACTED] dFnp [REDACTED] e515e [REDACTED] 61668a [REDACTED] 6bb03 [REDACTED] 1
```

11. Now you need to edit the wallet config file. Open the Wallet Configuration File from the Tools menu.



12. When you open your wallet config, it should be blank. Below is what your config file needs to be. Copy paste this into trbo.conf.

```
rpcuser=longrandomusername
rpcpassword=longerrandompassword
rpcallowip=127.0.0.1
listen=1
server=1
daemon=1
logtimestamps=1
maxconnections=256
masternode=1
port=9533
addnode=94.177.251.97
addnode=207.180.224.32
addnode=5.231.205.119
addnode=185.35.64.141
addnode=94.177.242.241
```

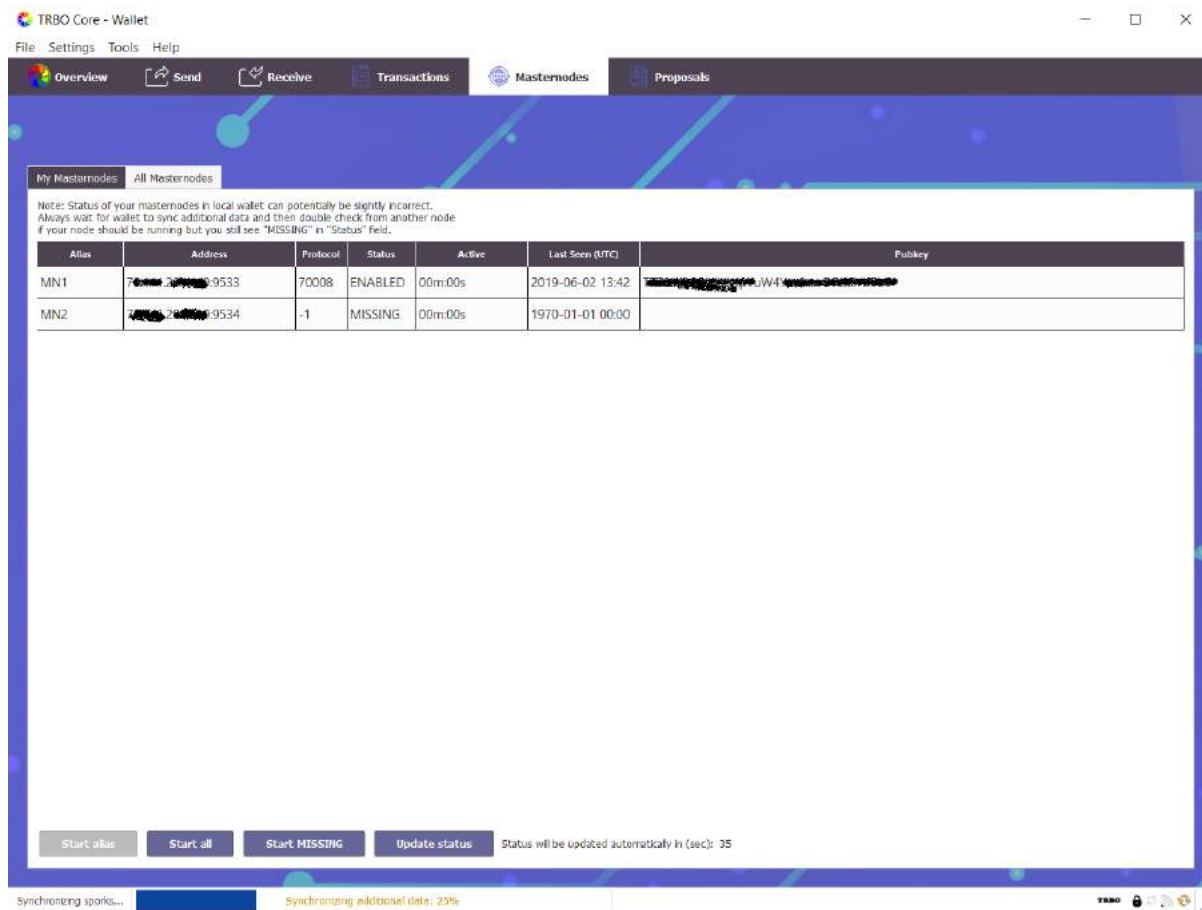
```
masternodeaddr=IP:port
masternodeprivkey=masternodeprivkey
```

Add your **IP:Port** and **masternodeprivkey**. Also, change the rpcuser and rpcpassword to something random. Keep everything else the same, then Save:

```
rpcuser=someusername
rpcpassword=reallylongpasswordhere
rpcallowip=127.0.0.1
listen=1
server=1
daemon=1
logtimestamps=1
maxconnections=256
masternode=1
port=9533
addnode=94.177.251.97
addnode=207.180.224.32
addnode=5.231.205.119
addnode=185.35.64.141
addnode=94.177.242.241
addnode=78.141.204.119
addnode=5.231.205.208
addnode=207.180.224.32

masternodeaddr=50.100.200.100:9533
masternodeprivkey=2g3...chun...GZpGwB5Wc...
```

13. Restart the wallet. Now your masternode should show up in the Masternodes tab.



14. Go back to your Masternodes tab and click Start All. Success! Now relax and wait for the stakes to come in.

The screenshot shows the TRBO Core - Wallet interface with the Masternodes tab selected. A table lists two masternodes: MN1 (ENABLED) and MN2 (MISSING). A dialog box titled 'TRBO-Qt' displays the message 'Alias: MN2' and 'Successfully started masternode.' with an 'OK' button.

Note: Status of your masternodes in local wallet can potentially be slightly incorrect. Always wait for wallet to sync additional data and then double check from another node. If your node should be running but you still see "MISSING" in "Status" field.

Alias	Address	Protocol	Status	Active	Last Seen (UTC)	Pubkey
MN1	78...2C...533	70008	ENABLED	00m00s	2019-06-02 13:42	...
MN2	...	1	MISSING	00m00s	1070-01-01 00:00	...

Buttons: Start alias, Start all, Start MISSING, Update status. Status will be updated automatically/ in (sec): 45

Synchronizing sparks... Synchronizing additional data: 25%

ADDING ADDITIONAL MASTERNODES:

1. To run additional masternodes, start by completing steps 1-10 with the alias MN2 and the port 9534. This means add a new line to the masternode.conf. Do this for each masternode. Here's what it looks like for 2 masternodes:



```
masternode - Notepad
File Edit Format View Help
# Masternode config file
# Format: alias IP:port masternodeprivkey collateral_output_txid collateral_output_index
# Example: mn1 127.0.0.2:9333 93HaYBVUCYjEMeeH4s8GLALQZE1Yc1K64xiqgX37tG8DQL8Xg 2bdc3c84c84f87eaa86e4e56834c92927a07f9e18718810b92e8d0324456a67c
MN1 127.0.0.2:9333 2bdc3c84c84f87eaa86e4e56834c92927a07f9e18718810b92e8d0324456a67c
MN2 127.0.0.2:9534 2bdc3c84c84f87eaa86e4e56834c92927a07f9e18718810b92e8d0324456a67c
```

For each additional masternode you can increment the port by 1. You can only run 1 masternode per port. As for the alias, it can be anything you want. FYI - the main wallet that holds your masternode.conf file and all your coins is called the “hot wallet”.

Next, you’ll have to open an instance of the TRBO wallet for each masternode.

Each masternode requires it’s own unique instance of TRBO. Your first masternode is already running in the hot wallet instance. Opening additional instances will allow you to run additional nodes on the same machine. These instances are called “cold wallets”. They don’t need to hold any coins, they are just there to keep the port open for TRBO. In fact, the only thing that matters in the cold wallet is the trbo.conf file. First, we’ll need to give the TRBO client a new blockchain database to access.

For each MN we need to run an empty TRBO wallet to keep the right port open

2. Create a new folder. It can be anywhere on your computer. Copy the trbo-qt file from your Downloads and paste it into the new folder. Rename the qt file to TRBOMN2. Then create another folder called TRBOMN2.

3. Now open a new file on Notepad. Paste the following:

```
TRBOMN2.exe -datadir=./TRBOMN2
```

Save as "TRBOMN2.bat" in your new folder and make sure to select All Files file type.

This creates an executable batch file.

4. Now try to open the TRBOMN2.bat file you have just created (Note: you must open the batch (.bat) file to use TRBOMN2 as the new directory).

If your main wallet is open, you will get errors. That's okay. Even though you got errors, it created the new directory that you will edit. Click through the errors, but the wallet will not open. However, open the TRBOMN2 folder you just created. It will now have a trbo.conf file that you can edit.