**How the market making bot will work  
  
Preparation period:**

* Select a Token (TKN)
* Fund the initial wallet (MAIN) with BNB
* BOT will create 3 (A,B,C) addresses at which BNB is sent (more or less 1/3)
* BOT will create N addresses that will do market-making, and send them BNB from A,B,C
* During a set preparation period, a given amount of TKN is bought, randomly from the wallets

When the preparation period is finished, we will have both BNB and TKN on several wallets

**Trading period:**

* Check the start price of TKN: P0
* The bot will buy X% amount of TKN (in different transactions from the wallets that hold BNB) if the price is below Y% from P0
* The bot will sell K% amount of TKN if the price is above Z% from p0

*Note that the percentage of price distance and amount can be different from buy and sell*

* After the X% or K% is bought/sold, the reference price P0 will be updated to the current price
* When the amount of volume is reached, everything will be sent back to main wallet.

**Statistics:**

The following stats will be included, and available in a website

- Volume traded so far (divided in buy/sell)

- Volume per day (volume traded / time execution)

- Commission paid

- Number of transactions

- Transactions per wallet (N\_transaction/wallets)

Access the statistics [raw data] from HTTP (something like 45.147.54.91:5000/statistics\_botname)

**Example:**

Bot does preparation.

You have 500 TKN and 50 BNB. Price of TKN is 100$

Buy\_amount = 10%, sell\_amount = 10%, buy\_param = 10%, sell\_param = 10%.

The price is now 110$. You sell 10% of 500TKN (50tkn).

Now you have (roughly) 450TKN and 550BNB.

The center\_price updates to the current price: 110$

You start again: buy at 99$ or 121$

The price is now 121$. You sell 10% of 450TKN (45TKN)

Now you have roughly 405TKN and 595BNB.

**Considerations:**

* This can be considered a trading bot more than a market making bot
* This bot will generate a lot of volume with high amount and low params
* The risk is that the price trends without retracement, leaving you without coins (if price goes up) or without BNB (if price goes down).   
  *The higher the amount the faster this happens*

*The lower the param the faster this happens*

* If this happens you have the chance to restart the preparation period (hence, take a loss and restart with the higher price)

**Extra features:**

* One EVM chain in addition to BNB is included in development.
* It’s possible to modify parameters from the statistics page
* Restart will be possible from statistics page
* You can modify from parameters everything described above