Something to know

– To use mempool related features you must have websockets link (ws:// ot wss://) otherwise it won't work. Only modes that are non mempool related will work with http: links that most public nodes use. For more info on how to get your own websockets link ask in telegram chat.

– Don't use wallet that you are using for sniping while you are sniping, it will make sniper to break and malfunction.

– What is difference between MEMPOOL_LIQUIDITY and EXCHANGE_LIQUIDITY? Mempool is like a queue for your transaction to get accepted in blockchaing. MEMPOOL_LIQUIDITY detects trigger transaction in this queue and sends a buy hoping it will get accepted in same block and as a result you will get cheap buy. EXCHANGE_LIQUIDITY on other hand looks at transactions that are already in blockchain so it's usually 1–2 block slower if used for sniping, also it has added feature to snipe below certain price levels.

– Setting slippage for buys. You can't set exact percent by directly entering it anywhere, but what you can do is use your better judgement and use MIN_TOKENS_RECEIVED. Let's say you know that token will be launched with ratio 1000 tokens for 1 BNB and you want to spend 0.25bnb for your snipe, ideally if you would be first buyer you should get about 250 tokens for your 0.25bnb but in reality you won't be first buyer so you have to take that in to consideration as well as what is the lowes amount of tokens I am ok with receiving? If you are ok with reveiving 50 tokens for your 0.25bnb you specify that in MIN_TOKENS_RECEIVED and when it will snipe it will only accept result where you get AT LEAST 50 tokens back. Default value is 0 anyway, but would not advise to use that unless no other way.

– PGTS supports only Windows 10+.

– If you encounter any issues provide maximum information possible, that would be settings.json, error.log files, description of what happened and transactions if any.

– All transactions use BNB when buying and you will get BNB back after selling even if you specify intermediary pair.

– Minimum BNB in your wallet is amount of tokens that you must have to snipe, if you don't have this amount sniper will throw errors. Formula is simple: GAS * GAS LIMIT + TRANSACTION VALUE, note that gas is measured in gwei, so for example if you have "GAS": "5" and "GAS_LIMIT": "2500000", you multiply those two values and get amount of gwei, then convert those values to BNB by using converter here: https://eth-converter.com/ or just devide that number by 1 billion. 12500000/1000000000 = 0.0125BNB add your sniping amount to this and you will get minimum value you must have to perform snipes.

– HOW TO REPORT AN ISSUE? When you say that something doesn't work it gives no information about your situation. Provide all relevant info, error logs, transactions, settings files, description of what happened, if no info is provided you will be ignored.

PGTS Manual.

Telegram: https://t.me/PGTSniper

wallet.json

To set up your sniper we start by adding your wallet information in wallet.json.

"WALLET_ADDRESS" – You enter wallet address that you will be using for sniping

"WALLET_PRIVATE_KEY" – You enter your private key belonging to your sniping wallet. NOTE: you have to enter your private key and not secret word mnemonic. Use google to find secure ways to make this conversion.

nodes.json

To interact with blockchain you use so called JSON-RPC endpoints which we just call nodes. You can set your nodes in this folder which is already preloaded with default ones. Program is best used with websocket nodes (ws://, wss://) and using websockets allows for full functionality of sniper. If you use HTTP node then you will be limited to sniping modes that does not involve mempool (SKIP_BUY, ON_PROGRAM_START and EXCHANGE_LIQUIDITY).

To change node, just replace default link with your own.

NOTE: Many node providers don't support API needed to run sniper so it's better to set up your own private or semi-private node. You can ask about this in telegram.

settings.json

This is main file you will be working with when sniping.

"EXCHANGE" : "name of exchange" – You enter name of exchange that you want to use

currently supported exchanges are: pancakeswapv2, apeswapv2, quickswapv2, polycatv2, kuswapv2, koffeeswapv2, spookyswapv2, spiritswapv2, uniswapv2, traderjoev2, pangolinv2 and you can add your own custom exchanges using custom_exchange.json file and filling in all the variables, after that use "customv2" to be able to trade using custom exchange specified in custom_exchange.json.

"SYMBOL" : "BUSD" – Token symbol, can be anything you want, it's there for your convenience.

"ADDRESS" : "0x0000" – Token address that you are going to snipe.

"INTERMEDIARY_TOKEN_ADDRESS" : "0x0000" – This token will be used to convert your base tokens in to and then convert this token to sniping target token. You should use this when liquidity is added in anything other than base token. If liquidity is added in base token, then leave this empty. For example, if liquidity is added in BUSD, put BUSD address here.

modes:

When we set up snipe we must select one mode that will be used in snipe.
NOTE: You should only have 1 mode ON and other modes OFF.

"SKIP_BUY" : "on/off" – This mode just skips buying and goes straight in to selling cycle, useful if you only want to sell your tokens.

"ON_PROGRAM_START" : "on/off" – This mode will trigger a buy when sniper is launched, good when you want to spam token buys.

"EXCHANGE_LIQUIDITY" : "on/off" – This mode will trigger whenever token has it's liquidity added and tokens price is below "TRIGGER_PRICE".

"TRIGGER_PRICE" : "0" – If token has liquidity and is valued below this number then it will trigger a buy. If you want buy token at any price, then just set this to 99999. This price is in base token (like BUSD, ETH, MATIC depending on exchange you are using) not USD.

"MEMPOOL_LIQUIDITY": "on/off" – Looks for liquidity addition transaction in mempool and triggers a buy when there is one.

"DXSALE" : "on/off" - Looks for liquidity addition transaction from DXSALE in mempool

and triggers a buy when there is one. Sometimes many sales will start close one to another and this will trigger sniper to send buy, and in case sniper was triggered by wrong sale it will always check if there are any sniped tokens in wallet and if there are none it will restart cycle and start scanning for DXSALE mempool liquidity transaction again.

"ON_WALLET_ACTION" : "on/off" – Great for tokens that have liquidity added but have trading paused, this mode will trigger a buy whenever ACTION_WALLET does some kind of transfer or interaction with smart contract. If it triggers and doesn't buy tokens, it was probably triggered on some transaction that was not set to enable trading. When you use this mode you will get a few false positives.

"ACTION_WALLET" : "0x000" – Wallet that you use for triggering of ON_WALLET_ACTION mode. Should be owner of contract or its deployer.

"GET_FROM_SOURCE" : "on/off" – This mode will use pastebin or telegram as trigger when presented with valid token address. Remember to leave ADDRESS field empty when this mode is on. When you use pastebin as source, sniper will be triggered whenever you copy new string of text that is a valid token address. When you use telegram as source first you will have to configure telegram.json file, you are required to provide API_ID and API_HASH, info on how to get that is here:
https://core.telegram.org/api/obtaining_api_id , after doing that you will have to login once when you launch sniper, you will have to provide your full phone number including area code and secret code that will be sent to your telegram. After first successful login PGTS.session file will be created to remember your credentials and in case of new version you can just migrate that file to new folder so you don't have to relogin again. Telegram mode will be triggered whenever message with valid token address appears on telegram channel you have specified. It is good practice to close your settings.json and open it again after succesful snipe with this mode, since sometimes token address is not updated in this file when it's open. If token address does appear in your settings.json file after successful snipe you don't have to reopen it.
NOTE: Be careful with groups that use greetings, because if someone has their telegram name as fake token address, that greeting may trigger a buy in to fake contract.
"SOURCE" : "source" – Specify which source you want to use when this mode is active currently accepted variables are PASTEBIN and TELEGRAM.

"TELEGRAM_GROUP" : "telegramGroupName" – If you choose to use telegram as source you have to specify group name, you can find group name by finding group link and putting last part of this link here. For example if link is https://t.me/PGTSniper, you have to enter PGTSniper in this field.

buying

"DELAY_SECONDS" – Delay between trigger received and a buy sent. Accepts whole seconds only.

"DELAY_BLOCKS" – VERY EXPERIMENTAL! Use with caution. Finds trigger block and sends buy after specified amount of blocks have passed. It's usually 2 blocks too late, so advisable to take these 2 blocks out number specified.

"BUY_TIMES" – How many buy you want to send when buy gets triggered, buys are sent as simultaneously as possible.

"TIME_BETWEEN_BUYS" – If you want to have some time delay between buys add it here in whole seconds.

"BASE_BUYIN_AMOUNT" – How much you are spending in base token (ETH, BNB, FTM etc) per one buy.

"MIN_TOKENS_RECEIVED" – With buy order you send how much tokens you want to receive back for base tokens you are sending, if you set this to 0 you basically saying you are comfortable with any amount of tokens back. 0 is like unlimited slippage and you can be front run if buying illiquid tokens. Make sure you add something reasonable here. If you add too big of a number here, transaction will fail.

selling

"APPROVE_TOKEN" : "true/false" – Approves token right after succesful buy if set to true.

"SELL_TOKENS" : "true/false" – If you set this to true it will look for price triggers to sell your tokens.

"SELL_PRICE_IN_BASE" : "2x/50%/0.2"– If token price is above this number it will trigger sell, remember that this is measured in base tokens not USD, this field also accepts numbers relative to your investment, if you specify 2x, then it will sell when your total investment including slippage will reach 2x value or you can specify % as well, so if you

enter 50% here, it will sell when investment has increased in value by 50% or more.

"SELL_SLIPPAGE_PERCENT" : "1-99" – Standart slippage in percent.

"STOP_LOSS_PERCENT" : "(-1) – (-100)" – Stop loss in percent, if your total investment value including gas fees and slippage reaches this percentage it will sell specified token amont. If you set this to -50 and you snipe with 1 BNB then if your token value reaches value of 0.5 or lower it will sell.

"HOLD_TOKENS_PERCENT" : "0-99" – Enter how many tokens in percentage you want to keep after selling.

gas

"GAS_MODE_BUY" : "auto/manual" – auto gas mode will try to replicate gas used in trigger transaction to make sure it does not front run it which will make buy transaction to fail. Auto gas mode is only relevant with mempool related modes (MEMPOOL_LIQUIDITY, DXSALE, ACTION_WALLET), if you use any delay for mempool modes then you should use manual gas mode instead.

"GAS" – This amount of gas will be spent when sending transactions (buy and sell) if specified manual gas mode. Selling by default uses this amount of gas to sell regardless of what mode you sniped with.

"GAS_LIMIT" – Gas limit for transactions, this is maximum amount of gas that can be spent by your transaction it does not mean that it will spend that much, it will only spend as much as necessary and genereally speaking you should keep this in range of 3 – 5 million.