ROBUSTSWAP
EXCHANGE

WHITEPAPER

INTRODUCTION

RobustSwap is a revolutionary decentralized exchange, automated market maker, and yield farming on the Binance Smart Chain designed to optimize profitability through scarcity and liquidity.

RobustSwap is the first decentralized exchange on the Binance Smart Chain to integrate an anti-bot and anti-flash loan yield farming feature that equally protects users trading the native token from the menace of front-running and liquidity sniper bots.

DeFi yield farming is the emergent trend on the Binance Smart Chain, with new projects appearing every day. The vast majority of these farms are clones that add little to nothing to the project that they adapted.

RobustSwap breaks this pattern and introduces several new features that optimize safety and performance.

ROBUSTSWAP TOKEN (RBS)

The RBS token is the native token of the Robustswap decentralized exchange (DEX).

It will primarily be farmed, used to incentivize liquidity providers and staking pools of the Robustswap DEX.

RBS has a hard cap maximum supply of 106 050. No more RBS can ever be created once this limit has been reached.

Users will be able to earn RBS by providing liquidity, staking in RobustSwap farms and pools, and referring friends.

RBS is highly customizable to allow for future development, integration, and partnerships.

ANTI-BOT

We have developed a revolutionary security protocol called the "BotGuard" which protects users transactions from being front-run by bots.

When initialized, BotGuard forces a delay that prevents a user from making multiple transactions within the same block. The number of blocks delay can be adjusted as required.

This delay will not impact the experience of regular users, who normally do not make multiple transactions in split seconds like all bots do.

BotGuard has equally been implemented in the RobustSwap MasterChef contract to prevent flash-loan attacks.

LIMITED EMISSION AND SUPPLY

Only 105 120 RBS can be mined, with a minimum of 316 RBS mined per day.

90% of the daily emission (288 RBS) will be allotted to staking farm and pools while the other 10% (28.8 RBS) will go to the team.

This puts the estimated length of the active period of RBS mining to 332 days.

Furthermore, if a user is referred to RBS by another user, the user's referrer will receive an extra 1% of all claimed farming and staking rewards of the user.

Once the 105 120 RBS hard limit has been reached no more RBS can be mined or created.

LIQUIDITY GENERATION

Liquidity generation is a core feature of the RobustSwap Token (RBS) and additional RBS-BNB liquidity will be created depending on the RBS transaction tax and burn rate settings.

A percentage of each transaction will be either taxed or burned accordingly and the proceeds from this tax will be accumulated in the RBS contract.

Liquidity generation will be triggered whenever the BNB value of the accrued RBS tax reaches a meaningful threshold.

Creating liquidity only in proportion to the price of BNB ensures that the generated liquidity has value and promotes a steady price floor. It equally prevents any sudden price movements due to liquidity generation.

ROBUST SWAP

TIME-LOCKED LIQUIDITY

At launch **576 RBS** will be used to provide initial trading liquidity:

288 (RBS/BUSD)
288 (RBS/BNB)

This Initial trading liquidity and all generated liquidity from transaction tax will be time-locked in the RBS contract.

RBS/BUSD
https://bscscan.com/token/0x4f8fd7b0a83e506d022d45ce0913bdd89596cf25?a=0x95336aC5f7E840e7716781313e1607F7C9D6BE25

RBS/BNB
https://bscscan.com/token/0x4B09CEA647a1029472f309fb633356b929D50714?a=0x95336aC5f7E840e7716781313e1607F7C9D6BE25

ANTI-DUMPING

RobustSwap Token (RBS) is whale friendly. However, there is a set limit for transaction size to manage the price impact of any single transaction.

At launch, any single transaction that exceeds 1% of the RBS total supply will be rejected. As the total supply increases, this ratio will be reduced to reflect the new supply.

Irrespective of this limit, it is still possible to break up a large transaction into several smaller transactions.

Also, there is no artificial restriction as to what percentage of the circulating supply that a single holder can represent. The free market will be allowed to adjust itself accordingly.

ROBUSTSWAP TIMELOCK

RobustSwap has implemented a 24-hour minimum delay contract for all sensitive operations.

This time lock is necessary to protect users' from arbitrary changes that could impact the value of assets.

The operator of the RobustSwap Token (RBS) will be the RobustSwap Timelock Contract.

The ownership of the RobustSwap MasterChef will transferred be the RobustSwap Timelock Contract

The ownership of the RobustSwap Referral Contract will be transferred to the RobustSwap Timelock Contract.

https://bscscan.com/address/0xf4851255555e30a4bb9a5ba13b1ecc38df25039b#code

ROBUSTSWAP TOKEN (RBS) OPERATOR TIMELOCK

The operator of the RBS contract wields a great amount of powers over the functionalities of the RBS token.

While only the owner of the RBS contract i.e., the RobustSwap MasterChef can mint RBS, the following changes can be made by the operator of the RBS contract:

- Updating or disabling transaction tax.
- Updating or disabling transfer limit.
- Updating or disabling automatic liquidity generation.
- Updating and setting a new router address.
- Withdrawing LP tokens from the RBS contract.
- Withdrawing other tokens sent to the RBS contract.
- Burning accrued tax in RBS contract.
- Update or disable BOTGUARD.

OBUST
SWAP

ROBUST MASTERCHEF TIMELOCK

The RobustSwap MasterChef does not have a migrator code and users' staked LP or tokens can only be withdrawn by the user who provided them.

However, the following settings in the MasterChef contract can impact users' rewards:

- Changes to the emission rate.
- Updating allocation rate.
- Adding or removing pools.
- Updating deposit fee.
- Updating harvest interval.
- Updating or disabling the referral commission rate.

OWNERSHIP

The RobustSwap Token (RBS) contract is owned by the RobustSwap MasterChef contract. Ownership was transferred after the minting of 930 RBS for initial liquidity and RBS bootstrapping airdrop.

The operator of the RobustSwap Token (RBS) contract will be transferred to the RobustSwap Timelock Contract after launch and initial configurations.

The ownership of the RobustSwap MasterChef will be transferred to the RobustSwap Timelock contract after launch and initial configurations.

The ownership of the RobustSwap Referral contract will be transferred to the RobustSwap timelock contract after launch and initial configurations.

These ownership transfers ensures that no arbitrary changes can be implemented without a 24-hour delay.

CONTRACTS

RobustSwap Token (RBS):
0x95336aC5f7E840e7716781313e1607F7C9D6BE25
https://bscscan.com/address/0x95336aC5f7E840e7716781313e1607F7C9D6BE25#code

RobustSwap MasterChef:
0xE40b415C28eC411Cc616ca04a125d7e2b9913b58
https://bscscan.com/address/0xE40b415C28eC411Cc616ca04a125d7e2b9913b58#code

RobustSwap Referral:
0x73A218CF80669AFE977B6b671AAd722b43B6D43D
https://bscscan.com/address/0x73a218cf80669afe977b6b671aad722b43b6d43d#code

RobustSwap Timelock:
0xF4851255555e30A4bb9a5Ba13B1EcC38df25039B
https://bscscan.com/address/0xf4851255555e30a4bb9a5ba13b1ecc38df25039b#code

ROADMAP

Automated Market Maker (AMM)

Earn trading fees on every transaction on RobustSwap.

2022 Q1

RobustSwap Vaults

Auto-compounding pools that generate yields from users assets.

2022 Q1

RobustSwap Limit Order

Setup future price targets to automatically trade your assets.

2022 Q1

Robust Protocol Bridge

Swap and transfer assets across multiple chains including BSC, Ethereum, Polygon Matic

2022 Q2

RobustSwap App

Mobile app for the RobustSwap DEX for both Android and iOS devices.

2022 Q3

ROBUST SWAP