



# SMART CONTRACT SECURITY AUDIT

Gnox

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Website: [soken.io](https://soken.io)

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# Disclaimer

This is a comprehensive report based on our automated and manual examination of cybersecurity vulnerabilities and framework flaws. We took into consideration smart contract based algorithms, as well. Reading the full analysis report is essential to build your understanding of project's security level. It is crucial to take note, though we have done our best to perform this analysis and report, that you should not rely on the our research and cannot claim what it states or how we created it. Before making any judgments, you have to conduct your own independent research. We will discuss this in more depth in the following disclaimer - please read it fully.

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Security analysis is based only on the smart contracts. No applications or operations were reviewed for security. No product code has been reviewed.

# Procedure

## Our analysis contains following steps:

1. Project Analysis;
2. Manual analysis of smart contracts:
  - Deploying smart contracts on any of the network(Ropsten/Rinkeby) using Remix IDE
  - Hashes of all transaction will be recorded
  - Behaviour of functions and gas consumption is noted, as well.
3. Unit Testing:
  - Smart contract functions will be unit tested on multiple parameters and under multiple conditions to ensure that all paths of functions are functioning as intended.
  - In this phase intended behaviour of smart contract is verified.
  - In this phase, we would also ensure that smart contract functions are not consuming unnecessary gas.
  - Gas limits of functions will be verified in this stage.
4. Automated Testing:
  - Mythril
  - Oyente
  - Manticore
  - Solgraph

# Terminology

**We categorize the finding into 4 categories based on their vulnerability:**

- Low-severity issue — less important, must be analyzed
- Medium-severity issue — important, needs to be analyzed and fixed
- High-severity issue — important, might cause vulnerabilities, must be analyzed and fixed
- Critical-severity issue — serious bug causes, must be analyzed and fixed.

## Limitations

The security audit of Smart Contract cannot cover all vulnerabilities. Even if no vulnerabilities are detected in the audit, there is no guarantee that future smart contracts are safe. Smart contracts are in most cases safeguarded against specific sorts of attacks. In order to find as many flaws as possible, we carried out a comprehensive smart contract audit. Audit is a document that is not legally binding and guarantees nothing.

# Token Contract Details for 09.06.2022

Contract Name: **Gnox**

Deployed address:

**0x63F02e42Eb4cD463a93AD44A8042420d335313bC - Token**

**0x7Dd1E67FC5Bf8De7CF2c728066bda0dF5Ccb5128 - Distributor**

**0xf4B881D982740D554F99093522312C653E26556B - AirDrop**

Total Supply: **5,000,000,000**

Token Tracker: **GNOX**

Decimals: **9**

Token holders: **1**

Transactions count: **1**

Top 100 holders dominance: **100.00%**

## Audit Details



Project Name: **Gnox**

Language: **Solidity**

Compiler Version: **v0.8.7**

Blockchain: **BSC**

## Social Profiles

Project Website: <https://gnox.io/>

Project Telegram: <https://t.me/gnoxfinancial>

Project Twitter: [https://twitter.com/gnox\\_io](https://twitter.com/gnox_io)

Project Instagram: <https://www.instagram.com/gnox.io/>

## Swap Analysis

- ✓ Token is sellable (not a honeypot) at this time
- ✓ Buy fee is less than 10% (10%)
- ✓ Sell fee is less than 10% (9.9%)


## Contract Analysis

- ✓ Verified contract source
- ✗ Ownership renounced or source does not contain an owner contract.

# Whitepaper of the project

The whitepaper of GNOX project has been verified by Soken team.



 GNOX.IO

[Defi Earning Made Easy](#)

[What is Defi?](#)

[Why Defi Treasury?](#)

[Creating Value](#)

[Why Binance?](#)

TREASURY

[Digital Investments](#)

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KEY INFORMATION

[Meet The Team](#)

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## Defi Earning Made Easy

### Introduction

Gnox has one of the fastest-growing communities within reflection projects due to its unique DeFi treasury feature, which allows the treasury to create a higher reward return from other protocols while airdropping returns in \$GNOX.

We are a decentralized platform whose main goal is to connect the gap between the crypto and fiat worlds while showing the benefits and ease of use of the Gnox Protocol to everyday users.

Gnox is built on the Binance Smart Chain (BSC). Binance offers quick transfer speeds, low fees, and high scalability compared to Ethereum and other competitors.

The Gnox Protocol is proud to be the world's first reflection project which uses our treasury to invest in DeFi yield earning protocols for its users! We are establishing a new standard in tokenomics and marketing techniques within the DeFi space. Gnox believes in rewarding long-term holders/users by generating a passive income for users proportionate to what the treasury makes within the timeframe. The nature of paying rewards in \$GNOX means that once we claim our rewards to pay our Gnox holders, there will always be a buying pressure to support our underlying price.

Next - Gnox.io  
[What is Defi?](#)

Last modified 1mo ago

Whitepaper link: <https://docs.gnox.io/gnox.io/defi-earning-made-easy>



# Vulnerabilities checking

Issue Description	Checking Status
Compiler Errors	Completed
Delays in Data Delivery	Completed
Re-entrancy	Completed
Transaction-Ordering Dependence	Completed
Timestamp Dependence	Completed
Shadowing State Variables	Completed
DoS with Failed Call	Completed
DoS with Block Gas Limit	Completed
Outdated Compiler Version	Completed
Assert Violation	Completed
Use of Deprecated Solidity Functions	Completed
Integer Overflow and Underflow	Completed
Function Default Visibility	Completed
Malicious Event Log	Completed
Math Accuracy	Completed
Design Logic	Completed
Fallback Function Security	Completed
Cross-function Race Conditions	Completed
Safe Zeppelin Module	Completed

# Security Issues

## 1) Owner Privileges

The contract contains ownership functionality and ownership is not renounced which allows the creator or current owner to modify contract behaviour.

## 2) Volatile Code:

The return values of functions

*swapExactTokensForETHSupportingFeeOnTransferTokens* and

*addLiquidityETH* are not properly handled.

## Recommendation:

We recommend using variables to receive the return value of the functions mentioned above and handle both success and failure cases if needed by the business logic.

# Conclusion

Smart contracts are free from any medium, critical or high-severity issues.

NOTE: Please check the disclaimer above and note, that audit makes no statements or warranties on business model, investment attractiveness or code sustainability.

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