



# QuillAudits

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## Executive Summary

The Passive Income Bot has been tested manually by product experts from a functionality, product, UI and security standpoint to ensure overall experience.

# Limitations

QuillAudits audit is not a security warranty, investment advice, or an endorsement of the Passive Income platform. This audit does not provide a security or correctness guarantee of the audited smart contracts. The statements made in this document should not be interpreted as investment or legal advice, nor should its authors be held accountable for decisions made based on them. Securing smart contracts is a multistep process. One audit cannot be considered enough. We recommend that the Passive Income Team put in place a bug bounty program to encourage further analysis of the smart contract by other third parties.

## Audit Overview

### Scope of the Audit

QuillAudits has been communicated that the scope of this audit exercise is to assess the functionalities of the bot; ensure their intuitive usage by the user and to determine security risks pertaining to the storage of the private key of user funds.

The scope of the security audit conducted by QuillAudits was restricted to:

- Manual usage and trials of the bot listed above for functionality issues.
- Overview of the bot for generic UI issues and inspecting the results.

## System Overview

Passive Income Bot is an AI and Algorithm based trading bot, a Dividend/ Profit sharing model for holders and early believers and a wide range of tools to help you navigate through the DEFI and Conventional Markets. The PIB ecosystem is an amalgamation of state of art crypto tools and in-house-built trading strategies which can be used by PIB holders.

PIB Features Passive Income ecosystem

Next-Gen AI-based algorithms and Bot 24/7 Automated trading  
Consistent Growth  
Passive Income.

Offer trading tool for uniswap, pancake swap. Uniswap bot with features

- Limit orders
- Approve token before listing
- Instant buy and sell
- Pancake swap bot is being developed

As per the Tokenomics – 26.3% tokens are allocated for uniswap liquidity (500000 tokens)  
Details: <http://pib.tools/>

# Best Practices in Passive Income Bot

Projects of good quality follow best practices. In doing so, they make audits more meaningful, by allowing efforts to be focused on subtle and project-specific issues rather than the fulfilment of general guidelines. Avoiding code duplication is a good example of a good engineering practice which increases the potential of any security audit. We now list a few points that should be enforced in any good project.

## Hard Requirements

- These requirements ensure that the PIB can be audited by QuillAudits.
- The code is provided as a Git repository to allow the review of future code changes.
- Code duplication is minimal, or justified and documented.
- Libraries are properly referred to as package dependencies, including the specific version(s) that are compatible with PIB's project.
- The code compiles with the latest Solidity compiler version. If PIB uses an older version, the reasons are documented.
- There are no compiler warnings, or warnings are documented.

## Soft Requirements

- Although these requirements are not as important as the previous ones, they still help to make the audit more valuable to PIB.
- The tests are related to the migration scripts and a clear separation is made between the two.
- The test coverage is available or can be obtained easily.
- There is no dead code.
- The code is well documented.
- Functions are grouped together according to either to the guidelines or to their functionality.

## Functional Analysis

### Limit Order

#### No Errors Found

This features works perfectly fine as stated. A limit buy and sell order can be placed using this. All the fields are customizable thus giving users the ability to make changes as desired.



PIB Uniswap bot

Wallet: 0x9640E1806b7D63862a19d5e55  
EBF139CAb3D7DDd

ETH Balance: 0

Gas (Gwei): -

Market Price (USD): -

Token Balance: -

Limit Buy

Token Address

Limit Price (USD)

Eth Amount

Gas Price (Gwei)

Slippage (in %)

Text

Limit Sell

Token Address

Limit Price (USD)

Token Amount

Gas Price (Gwei)

Slippage (in %)

## Approve Token Before Listing

### No Errors Found

The tokens can be approved for selling before it is listed on Uniswap. This feature is very useful.



Wallet: 0x9640E1806b7D63862a19d5e55EBF139CAb3  
D7DDd

ETH Balance: 0

Approve Token Befor Listing

Approve

## Instant Buy & Sell

### No Errors Found

We found the feature to be working as mentioned. Using this bot could place a market buy/sell order in no time thus reducing the manual inefficiencies which usually lead to high slippage.

Wallet: 0x9640E1806b7D63862a19d5e55  
EBF139CAb3D7DDd

ETH Balance: 0

Gas (Gwei): -

Market Price (USD): -

Token Balance: -

#### Instant Buy

Token Address

Eth Amount

Buy

#### Instant Sell

Token Address

Token Amount

Sell

### Personal Settings (Coming Soon)

Yet to be released.

### Trailing Buy & Sell (Coming Soon)

Yet to be released.

### Auto Buy & Sell (Coming Soon)

Yet to be released.

### Manual Buy & Stop (Coming Soon)

Yet to be released.

# Conclusion

The testing was concluded on 30th of March '21 for Passive Income Bot. The conclusion of the exercise undertaken by the QuillAudits team states that the bot has major features as; Limit order, Approve Token before listing, and Instant Buy & Sell. These functionalities can be accessed in a satisfactory manner without any glitches.

The private key of the user accessing the bot is stored locally. In no scenario is the key uploaded on cloud or any third party server which might put the funds at risk. This eliminates a major security risk and can be defined as a great security practice undertaken while developing the product.