SB SECURITY

TitanLegends BuyAndBurn

Security Review

Contents

1. About SBSecurity

SBSecurity is a duo of skilled smart contract security researchers. Based on the audits conducted and numerous vulnerabilities reported, we strive to provide the absolute best security service and client satisfaction. While it's understood that 100% security and bug-free code cannot be guaranteed by anyone, we are committed to giving our utmost to provide the best possible outcome for you and your product.

Book a Security Review with us at sbsecurity.net or reach out on Twitter @Slavcheww.

2. Disclaimer

A smart contract security review can only show the presence of vulnerabilities **but not their absence**. Audits are a time, resource, and expertise-bound effort where skilled technicians evaluate the codebase and their dependencies using various techniques to find as many flaws as possible and suggest security-related improvements. We as a company stand behind our brand and the level of service that is provided but also recommend subsequent security reviews, on-chain monitoring, and high whitehat incentivization.

3. Risk classification

	Impact: High	Impact: Medium	Impact: Low
Likelihood: High	Critical	High	Medium
Likelihood: Medium	High	Medium	Low
Likelihood: Low	Medium	Low	Low

3.1. Impact

- **High** - leads to a significant loss of assets in the protocol or significantly harms a group of users.
- **Medium** - leads to a moderate loss of assets in the protocol or some disruption of the protocol's functionality.
- **Low** - funds are not at risk.

3.2. Likelihood

- **High** - almost **certain** to happen, easy to perform, or highly incentivized.
- **Medium** - only **conditionally possible**, but still relatively likely.
- **Low** - requires specific state or **little-to-no incentive**.

3.3. Action required for severity levels

- High - **Must** fix (before deployment if not already deployed).
- Medium - **Should** fix.
- Low - **Could** fix.

4. Executive Summary

Overview

Project	TitanLegends BuyAndBurn
Repository	Private
Commit Hash	e1288f587fd719c42e7d28f2bcc80624ba02407994dec799f
Resolution	802b9edcb16617b27bb54165d992de475e347465
Timeline	December 5, 2024

Scope

LegendXBuyBurn.sol

Issues Found

Critical Risk	0
High Risk	0
Medium Risk	0
Low/Info Risk	1

5. Findings

5.1. Low/Info severity

5.1.1. capPerSwapEth can't be changed

Severity: Low Risk

Description: setCapPerSwapEth modifies capPerSwapX28 instead of capPerSwapETH and there will be no way to change limit for ETH.

Recommendation:

```
function setCapPerSwapEth(uint256 limit) external onlyOwner {
-      capPerSwapX28 = limit;
+      capPerSwapETH = limit;
    }
```

Resolution: Fixed