



SMART CONTRACT CODE REVIEW AND SECURITY ANALYSIS REPORT



X-MarketMaker
\$XMM

09/08/2023



TOKEN OVERVIEW

Fees

- Buy fees: 10%
- Sell fees: 10%

Fees privileges

- Can change buy fees up to 10% and sell fees up to 10%

Ownership

- Owned

Minting

- No mint function

Max Tx Amount / Max Wallet Amount

- Can't change max tx amount and / or max wallet amount

Blacklist

- Blacklist function not detected

Other privileges

- Can exclude / include from fees
 - Contract owner has to call startTrading function to enable trade
-

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TECHNICAL DISCLAIMER



DISCLAIMER

The information provided on this analysis document is only for general information and should not be used as a reason to invest.

FreshCoins Team will take no payment for manipulating the results of this audit.

The score and the result will stay on this project page information on our website <https://freshcoins.io>

FreshCoins Team does not guarantees that a project will not sell off team supply, or any other scam strategy (RUG or Honeypot etc)



INTRODUCTION

FreshCoins (Consultant) was contracted by **X-MarketMaker** (Customer) to conduct a Smart Contract Code Review and Security Analysis.

0xEbd4Dce4Dcc63a108E1fa89EF724093bA1fDE8B8

Network: **Binance Smart Chain (BSC)**

This report presents the findings of the security assessment of Customer's smart contract and its code review conducted on **09/08/2023**



WEBSITE DIAGNOSTIC

<https://xmarketmaker.com/>



0-49



50-89



90-100



Performance



Accessibility



Best
Practices



SEO



Progressive
Web App

Socials



Twitter

<https://t.me/xmarketmaker>



Telegram

<https://t.me/xmmbsc>

AUDIT OVERVIEW



Security Score



Static Scan

Automatic scanning for common vulnerabilities



ERC Scan

Automatic checks for ERC's conformance



High



Medium



Low



Optimizations



Informational



No.	Issue description	Checking Status
1	Compiler Errors / Warnings	Passed
2	Reentrancy and Cross-function	Passed
3	Front running	Passed
4	Timestamp dependence	Passed
5	Integer Overflow and Underflow	Passed
6	Reverted DoS	Passed
7	DoS with block gas limit	Low
8	Methods execution permissions	Passed
9	Exchange rate impact	Passed
10	Malicious Event	Passed
11	Scoping and Declarations	Passed
12	Uninitialized storage pointers	Passed
13	Design Logic	Passed
14	Safe Zeppelin module	Passed

OWNER PRIVILEGES

- Contract owner can't mint tokens after initial contract deploy
- Contract owner can't exclude an address from transactions
- Contract owner can exclude/include wallet from tax

```
function setWhitelistStatus(address _wallet, bool _status) external onlyOwner {
    whitelisted[_wallet] = _status;
    emit Whitelist(_wallet, _status);
}
```

- Contract owner has to call **startTrading** function to enable trade

Note that any wallet excluded from fees can trade even if trading is disabled

```
function startTrading() external onlyOwner {
    require(!tradingEnabled, "Trading already enabled");
    tradingEnabled = true;
}
```

... line 940 in takeTax function

```
if (whitelisted[_from] || whitelisted[_to]) {
    return _amount;
}

require(tradingEnabled, "Trading not enabled yet!");
```

- Contract owner can change swap settings

```
function setSwapTokensAtAmount(uint256 _newAmount) external onlyOwner {
    require(
        _newAmount > 0 && _newAmount <= (_totalSupply * 2) / 100,
        "Minimum swap amount must be greater than 0 and less than 0.5% of total supply!"
    );
    swapTokensAtAmount = _newAmount;
    emit SwapThresholdUpdated(swapTokensAtAmount);
}

function toggleSwapping() external onlyOwner {
    swapAndLiquifyEnabled = (swapAndLiquifyEnabled) ? false : true;
}
```

● Contract owner can change buy fees up to 10% and sell fees up to 10%

```
function updateTax(uint256 marketingFeeOnBuy, uint256 makretingFeeOnSell) public onlyOwner {
    require(marketingFeeOnBuy <= 10, "Can't set marketing fee on buy more than 10%");
    require(makretingFeeOnSell <= 10, "Can't set marketing fee on buy more than 10%");
    buyTaxes.marketingTax = marketingFeeOnBuy;
    sellTaxes.marketingTax = makretingFeeOnSell;
}
```

● Contract owner can change marketingWallet address

Current value:

marketingWallet: 0x60c343c4282a784e0eea5ef8d80e07d8ffc47ee1

```
function setmarketingWallet(address _newmarketing) external onlyOwner {
    require(_newmarketing != address(0), "can not set marketing to dead wallet");
    marketingWallet = _newmarketing;
    emit marketingWalletChanged(_newmarketing);
}
```

● Contract owner has ability to retrieve any token held by the contract

Native tokens included

```
function withdrawStuckETH() external onlyOwner {
    (bool success,) = address(msg.sender).call{value: address(this).balance}("");
}

function withdrawStuckTokens(address BEP20_token) external onlyOwner {
    IERC20(BEP20_token).transfer(msg.sender, IERC20(BEP20_token).balanceOf(address(this)));
}
```

● Contract owner can transfer ownership

```
function transferOwnership(address newOwner) public virtual onlyOwner {
    require(newOwner != address(0), "Ownable: new owner is the zero address");
    _transferOwnership(newOwner);
}

function _transferOwnership(address newOwner) internal virtual {
    address oldOwner = _owner;
    _owner = newOwner;
    emit OwnershipTransferred(oldOwner, newOwner);
}
```

● Contract owner can renounce ownership

```
function renounceOwnership() public virtual onlyOwner {
    _transferOwnership(address(0));
}
```

Recommendation:

The team should carefully manage the private keys of the owner's account. We strongly recommend a powerful security mechanism that will prevent a single user from accessing the contract admin functions. The risk can be prevented by temporarily locking the contract or renouncing ownership.



CONCLUSION AND ANALYSIS



Smart Contracts within the scope were manually reviewed and analyzed with static tools.



Audit report overview contains all found security vulnerabilities and other issues in the reviewed code.



Found 1 HIGH issues during the first review.

TOKEN DETAILS

Details

Buy fees:	10%
Sell fees:	10%
Max TX:	N/A
Max Sell:	N/A

Honeypot Risk

Ownership:	Owned
Blacklist:	Not detected
Modify Max TX:	Not detected
Modify Max Sell:	Not detected
Disable Trading:	Not detected

Rug Pull Risk

Liquidity:	N/A
Holders:	100% unlocked tokens



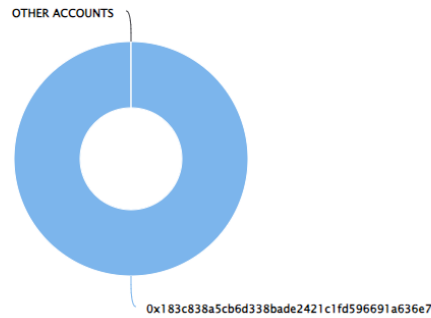
XMM TOKEN ANALYTICS & TOP 10 TOKEN HOLDERS

The top 10 holders collectively own 100.00% (1,000,000,000.00 Tokens) of X-MarketMaker

Token Total Supply: 1,000,000,000.00 Token | Total Token Holders: 1

X-MarketMaker Top 10 Token Holders

Source: BscScan.com



(A total of 1,000,000,000.00 tokens held by the top 10 accounts from the total supply of 1,000,000,000.00 token)

Rank	Address	Quantity (Token)	Percentage
1	0x183c838a5cb6d338bade2421c1fd596691a636e7	1,000,000,000	100.0000%

TECHNICAL DISCLAIMER

Smart contracts are deployed and executed on the blockchain platform. The platform, its programming language, and other software related to the smart contract can have its vulnerabilities that can lead to hacks. The audit can't guarantee the explicit security of the audited project / smart contract.

