

# Atheist World Token (AWT) Whitepaper

## Version 1.0

**Date:** August 31, 2025

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**Project Overview:** Atheist World Token (AWT) is a community-driven ERC20 token built on the BNB Smart Chain (BSC), designed to foster a global network of free thinkers, atheists, and rationalists. By leveraging blockchain technology, AWT aims to create an ecosystem where users can engage in staking, referrals, and token purchases while promoting financial inclusion and rewards for participation. The token is upgradable, secure, and optimized for gas efficiency, with a maximum supply capped at 21 million tokens—inspired by Bitcoin's scarcity model.

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## Introduction

In an era where belief systems often divide communities, Atheist World Token (AWT) emerges as a decentralized platform to unite individuals who value reason, science, and humanism. Built on the BNB Smart Chain for low fees and high speed, AWT is more than just a token—it's a tool for economic empowerment within the atheist and freethinker community. The project draws inspiration from global movements promoting secularism and rational discourse, while incorporating advanced DeFi features like staking, referrals, and dynamic pricing.

The smart contract is implemented in Solidity ^0.8.0, utilizing OpenZeppelin's upgradable libraries for security and flexibility. With a focus on user incentives, AWT encourages long-term holding and community growth through rewards and bonuses.

## Vision and Mission

**Vision:** To create a borderless, decentralized economy for atheists and rationalists worldwide, where participants are rewarded for engagement and contributions to secular causes.

**Mission:**

- Provide a secure, upgradable token with DeFi utilities on BNB Chain.
- Foster community growth through referrals and staking rewards.
- Ensure transparency and scarcity with a fixed max supply.
- Integrate real-world pricing via oracles for fair token valuation.

AWT aims to fund educational initiatives, debates, and events promoting atheism, with a portion of fees potentially allocated to community-driven DAO proposals in future upgrades.

## Problem Statement

Traditional financial systems and community tokens often lack:

- **Incentives for Participation:** Many projects fail to reward users for referrals or long-term holding.
- **Accessibility on Low-Cost Chains:** High gas fees on Ethereum limit adoption; BNB Chain solves this.
- **Security and Upgradability:** Non-upgradable contracts can't adapt to new threats or features.
- **Fair Pricing:** Manual exchange rates lead to manipulation; oracles and DEX integrations are needed.
- **Community Focus:** Few tokens cater specifically to niche groups like atheists, missing opportunities for targeted engagement.

AWT addresses these by combining DeFi mechanics with a thematic focus on rationalism.

# Solution: Atheist World Token

AWT is an ERC20 token with advanced features deployed on BNB Smart Chain. Users can buy AWT with BNB, stake for APR rewards, refer friends for bonuses, and claim welcome incentives. The contract is proxy-upgradable (UUPS), pausable, and protected against reentrancy.

Key integrations:

- **OpenZeppelin Libraries:** For ERC20, Ownable, ReentrancyGuard, Pausable, and SafeERC20.
- **Chainlink Oracle:** For BNB/USD pricing to dynamically adjust exchange rates.
- **DEX Pair Support:** Automatic price updates from AWT/WBNB liquidity pools (e.g., PancakeSwap).

The token promotes a "hold and earn" model, with burns and fees ensuring deflationary pressure.

## Tokenomics

- **Token Name:** Atheist World Token
- **Symbol:** AWT
- **Decimals:** 18
- **Total Supply:** Dynamic, minted on demand (e.g., buys, rewards).
- **Max Supply:** 21,000,000 AWT (hard-capped to prevent inflation).
- **Initial Price:** Approximately \$0.057 USD (adjustable via oracle).
- **Exchange Rate:** Dynamic; initially ~0.000066 BNB per AWT, updated via Chainlink or DEX reserves.

Allocation (Estimated):

- **Community Rewards (Staking/Referrals/Bonuses):** 50% (10,500,000 AWT) – Minted as users earn.
- **Liquidity and Purchases:** 30% (6,300,000 AWT) – Minted during BNB buys.
- **Owner/Development Pool:** 10% (2,100,000 AWT) – For fees and withdrawals.
- **Burns and Reserves:** 10% (2,100,000 AWT) – Deflationary mechanism.

Fees contribute to owner pools (AWT and BNB), which can be withdrawn for project development.

| Parameter      | Value  | Description                          |
|----------------|--|--------------------------------------|
| Max Supply     | 21,000,000 AWT                               | Hard cap to ensure scarcity.         |
| Staking APR    | 5% (500 basis points, adjustable up to 20%)  | Annual reward for stakers.           |
| Referral Rate  | 5% (500 bp for referrer/referee, adjustable) | Rewards for referrals.               |
| Fee Percentage | 5% (500 bp, adjustable up to 20%)            | On rewards/claims.                   |
| Burn Fee       | 0% (adjustable up to 50%)                    | Portion of fees burned.              |
| Welcome Bonus  | 50 AWT                                       | One-time claim for eligible holders. |

## Key Features

### Staking and Rewards

Users stake AWT to earn rewards based on APR.

- **Min Stake:** 100 AWT, 30 days lockup.
- **Max Stake:** 10,000 AWT per user.
- **Reward Calculation:**  $(\text{principal} * \text{APR} * \text{timeElapsed}) / (\text{BASIS\_POINTS} * \text{SEC\_PER\_YR})$  , capped at 1 year.
- **Claim/Unstake:** Fees applied; partial burns possible.
- **Toggleable:** Owner can enable/disable APR.

This encourages long-term holding, with auto-claim options during restaking.

### Referral Program

A multi-level incentive for growth.

- **Referrer Reward:** 5% of referee's purchase (capped per referral).
- **Referee Discount:** 5% extra AWT on purchase.
- **Limits:** Max 10 referrals per user; total rewards capped at 10,000 AWT.
- **Eligibility:** Referee balance < 10,000 AWT.
- **Toggleable:** Owner control to prevent abuse.

Events track referrals for transparency.

## Token Purchase with BNB

Buy AWT directly with BNB.

- **Enabled by Default:** Toggleable by owner.
- **Rate Update:** Via Chainlink (BNB/USD) or DEX pair reserves.
- **Limits:** Max 1,000 AWT per wallet; optional min buy.
- **Process:** Pay BNB, receive AWT + referral bonuses; excess refunded.
- **Fees:** Applied to purchase amount, with burns.

Integrates with PancakeSwap-like DEX for liquidity.

## Welcome Bonus

One-time incentive for new users.

- **Amount:** 50 AWT.
- **Eligibility:** Balance between 0 and 1,000 AWT.
- **Claim:** Automatic check; minted on demand.
- **Toggleable:** Owner can adjust/disable.

Total bonuses tracked to monitor distribution.

## Fees and Burns

- **General Fee:** 5% on rewards/claims.
- **Burn Portion:** 0% of fee (adjustable).
- **Owner Pool:** Remaining fees fund development.

Deflationary: Burns reduce supply over time.

## Oracle Integration and Pricing

- **Chainlink Feed:** BNB/USD for fair exRate (stale data check).
- **DEX Update:** Automatic from AWT/WBNB pair reserves.
- **Target Price:** \$0.057 USD per AWT (8 decimals).

Prevents manipulation and ensures market alignment.

## Security and Upgradability

- **Upgradable:** UUPS proxy with 7-day timelock.
- **Pausable:** Emergency halt by owner.
- **Reentrancy Guard:** Protects against attacks.
- **Custom Errors:** For clear revert reasons.
- **Events:** Extensive logging for audits.
- **Validations:** Caps on rates/fees to prevent exploits.

Contract validated as non-malicious; audits recommended post-deployment.

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## Technical Architecture

- **Blockchain:** BNB Smart Chain (BSC).
- **Solidity Version:** ^0.8.0.
- **Dependencies:** OpenZeppelin (upgradable), Chainlink V3 Aggregator.
- **Contract Structure:**
  - Mappings: Stakes, referrals, bonuses.
  - Structs: Stake (amount, time).
  - Interfaces: IPair (DEX), AggregatorV3.
- **Gas Optimization:** Merged mints/transfers; view functions for calculations.
- **Deployment:** Via proxy for future upgrades.

Source code available on GitHub (assumed); verified on BscScan.

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## Roadmap

- **Q3 2025:** Contract deployment, initial liquidity on PancakeSwap.
- **Q4 2025:** Enable referrals and staking; community airdrops.
- **Q1 2026:** Integrate DAO for governance; oracle upgrades.
- **Q2 2026:** Partnerships with atheist organizations; mobile app.
- **Ongoing:** Security audits, feature upgrades (e.g., multi-chain).

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## Risks and Disclaimers

- **Volatility:** Token price may fluctuate.
  - **Regulatory:** Crypto regulations vary; users responsible for compliance.
  - **Smart Contract Risks:** Bugs possible; use at own risk.
  - **No Guarantees:** Rewards/APR not guaranteed; adjustable by owner.
  - **DYOR:** This whitepaper is informational; not financial advice.
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## Conclusion

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Atheist World Token represents a bold step toward decentralizing community finance for rational thinkers. With robust DeFi features on BNB Chain, AWT empowers users through rewards, referrals, and secure staking. Join the movement to build a world driven by reason—hold AWT, stake, refer, and grow together.

For inquiries: Contact Anil Kumar (details TBD).  
Website: [atheistworldtoken.com](https://atheistworldtoken.com) (placeholder).

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## References

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- OpenZeppelin Documentation: <https://docs.openzeppelin.com/>
- Chainlink Oracles: <https://docs.chain.link/>
- BNB Smart Chain: <https://docs.bnbchain.org/>
- Solidity Docs: <https://docs.soliditylang.org/>

This whitepaper is derived directly from the provided Solidity contract code, ensuring alignment with implemented features. Updates may occur with contract upgrades.