StarTax Whitepaper

StarTax Team

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Contents

1 StarTax Overview

1.1 History and Inspiration

The spark that ignited StarTax arose during a brainstorming session among four friends aiming to inject freshness and fun into the blockchain ecosystem. Inspired by the surge and subsequent collapse of many Play-to-Earn games — some unsustainable or outright malicious — we asked: what if every transaction could become a chance to win?

From that premise, we developed an innovative concept to "gamify" transactions via a Token Fee on Transfer. Rather than losing fees (or *taxes*) from each operation, these would become rewards for people who had previously transacted. Hence, every operation not only contributes value to others but also brings the possibility of becoming the new "winner," provided certain key requirements are met. If your transaction meets those conditions, you hold that position until someone else arrives and displaces you.

The outcome is an automatic, immutable, and auditable rewards engine where everyone has an equal chance to receive prizes. Thus, StarTax was born: a project blending the robustness of blockchain technology with the playful spirit of video games, turning every move into a fun and exciting experience.

2 "Slot Machine" Concept in DeFi

The big question was: how do we bring the slot machine experience to an ERC20 token? During our initial tests, we found that each transfer could function like a genuine "spin" or play. From there, the perfect analogy emerged: one slot machine, shared by all, where each on-chain operation (buy, sell, or transfer) is a new spin with the opportunity to win prizes — or at least inflate the pot for future participants.

While refining the rewards engine and running extensive local tests, we realized we were creating the first decentralized slot machine native to Ethereum. Until that point, we referred to the system academically as an "Automatic Rewards System Based on Transactional Cycles." However, upon seeing that each transaction behaved exactly like a "spin," the lightbulb went on, and we understood it worked just like a slot machine. From that moment, we knew we had created something unique: a concept in which every user can experience the thrill of pulling the lever simply by transferring CHIPS (the StarTax token).

Thus, each operation not only provides a chance to win rewards but also helps cultivate the collective prize. This is the first time an ERC20 token integrates so deeply the principle of a DeFi Slot Machine, making the act of moving funds both entertaining and potentially profitable.

3 Community Benefit

What positive impact do we aim to achieve for users and investors?

The main advantage is offering crypto players (or *gamblers*) a decentralized, ethical, and authentic gaming experience, free from the shadows of many web3 casinos. StarTax can steer users away from suspect services, scams, or black markets, as anyone can "play" simply by buying, selling, or transferring our CHIPS token on Uniswap — always from their own wallet — without needing to hand over control of their funds to questionable entities or grant overly high permissions to third-party contracts potentially leading to phishing.

Additionally, liquidity providers (LPs) receive extra rewards, supporting token stability and growing the community. This setup ensures not just transparency in slot machine mechanics but also builds a healthy and sustainable environment where users and investors can participate with confidence.

Ultimately, StarTax blends fun, transparency, and profitability into one project, allowing everyone to become part of this on-chain revolution and enjoy the excitement of slot machines without compromising the security of their assets. It's the future of DeFi gaming, now accessible to all!

4 Comparison with Other Projects

How does StarTax differ from other DeFi platforms that "gamify" transactions?

As far as we know, StarTax coined the term "gamifying transactions." There is no other token, project, or game that does this, nor is there another "slot machine" on Ethereum that so directly converts ERC20 transactions into "spins." Whereas other DeFi ventures may include mini-games, raffles, or one-off lotteries, StarTax integrates prizes into all operations (buys, sells, and transfers), turning each move into a chance to win. This ensures users always know precisely when and how prizes and *jackpots* will appear.

This innovation stems from "gamifying" the core activity of any token — its transactions — instead of layering on external gaming. With StarTax, each *spin* takes place transparently on-chain, delivering a uniquely enjoyable DeFi experience.

5 Brand and Identity

Why the name "StarTax," and how does it capture the project's essence?

The name **StarTax** merges two concepts:

- **Star**: alluding to something stellar, with a cyberpunk flair, suggesting that prizes "fall from the sky" when you win.

- **Tax**: referencing the "fee" deducted in each transaction and automatically redistributed as a reward to winners.

Combining these two terms sums up the project's essence: a "stellar tax" that injects excitement into each operation and reinforces the futuristic, fully transparent nature of this decentralized slot machine.

Timeline: How long will the mainnet version remain active, and what are the plans for scaling?

StarTax is a decentralized project on Ethereum's Optimism L2, with no fixed end date. Its immutable rewards engine lives inside the smart contract, preventing even the developers from changing the rules once deployed. As long as community interest exists and the network remains operational, StarTax will continue running indefinitely.

Regarding scalability, the choice of Optimism (L2) is pivotal to reduce transaction costs and offer a smoother experience. Over time, we anticipate adopting or expanding to other Layer 2 solutions if necessary, ensuring users always enjoy low fees and high speeds.

6 Ecosystem Fundamentals

6.1 Desired Collaborations

Our most desired collaboration is, above all, with the community itself. We want it to inspire new slot machine versions and other unconventional game mechanics built on the StarTax engine.

Unlike most projects, we do not prioritize listing on top-tier CEXs (Binance, Coinbase, etc.) purely for high-volume trading with no purpose. We aim to reach people who value StarTax's goals and manifesto, functioning as a healthier option in the crypto "wild west."

Possible Conditions for a CEX:

- Full transparency and correct prize distribution.

- Respect for our anonymity and decentralized ethos.

- Only spot trading, ruling out futures.

For now, Uniswap remains the essential pillar for buying or selling our **CHIPS** token.

6.2 Future Vision (3–5 Years)

StarTax is a living, constantly evolving project. Over the medium-to-long term, we have the following in mind:

New Mechanics and Versions   We are already developing parallel ideas featuring alternative gameplay, extra prize intervals, or even NFTs with special functions. Nonetheless, our first step is to watch how users interact with StarTax after the official launch, then refine and enhance the experience accordingly.

Security and Post-Launch Configurations

- The StarTax smart contract is designed so only authorized smart contracts (e.g., Uniswap) can interact with it.

- At this stage, only EOA wallets (Externally Owned Accounts) are allowed, excluding Smart Wallets to limit malicious third-party risks.

- We have security tools such as a `blacklist`, oracle updates, and other anti-exploit features that could be activated if necessary.

- Before fully renouncing contract ownership (making it 100% decentralized), we will conduct a series of phases and adjustments ensuring the contract's stability and functionality.

Progressive Ownership Renouncement   If the project meets our adoption targets and achieves stability, we may migrate control to a DAO or renounce ownership altogether, preventing anyone from altering the contract or its logic.

Disclaimer   Although we have built StarTax with great care and run extensive tests confirming its strength, we cannot guarantee a complete absence of exploits or failures. Therefore, we encourage users to research and judge the risks before participating. StarTax is an experimental, transparent, and trustworthy system to the best of our knowledge, but operating in DeFi always entails a degree of personal responsibility.

6.3 Community's Role

Players, investors, and curious observers together power StarTax. From initial testing to future updates, their involvement will be pivotal for:

- Proposing improvements to the game's mechanics.

- Contributing to decision-making if part of the control transfers to a DAO.

- Participating in forums, discussion channels, or even owning collector NFTs indicating milestones or levels of engagement.

7   StarTax Architecture

7.1   High-Level Design

The StarTax *Smart Contract* is based on the ERC20 standard but adds multiple components that endow it with a "slot machine" quality:

Taxes and Rewards Module

- Various taxes funding royalties, LP rewards, an accumulated jackpot, and StarTax (interval) prizes.

- Each transfer processes these taxes in a specific order, ensuring the final amount sent to the recipient reflects all necessary deductions.

Spin Counter

- A global counter increments by +1 whenever a transaction meets a certain minimum amount (*transactionMinimum*).

- When that counter reaches specific multiples (10, 100, 1,000, 10,000, 100,000, 1,000,000), a "winner" is assigned to collect interval fees on upcoming transactions.

Auto-Update (Automatic Adjustments)

- Dynamically modifies the minimum required for a transaction to increment the Spin Counter, thus preventing micro-spam.

- Based on Chainlink oracles (ETH/USD) and Uniswap data (WETH/CHIPS).

- This setting can range from \$0.10 up to \$10, depending on adoption. Before relinquishing ownership, we will decide the final threshold together with the community.

Jackpot (Fibonacci)

- Reserves 1% of each operation in a pot (*fibPot*).

- Whenever the counter meets the next Fibonacci number, a *fiboReceiver* is designated to claim that pot.

7.2   Taxes and Rewards Module

StarTax employs several taxes on each transaction, provided the user is not exempt.

Royalty (5%)

- A permanent "donation" for the creators, in recognition of their work and IP.

- A fixed percentage, charged on every transaction.

LP Tax (2%)

- Funds initially aiming to reward those who provide Uniswap liquidity (via airdrops or other methods).

- If the project garners enough support, we may enable LP token staking or allocate part of these funds to grants for Ethereum ecosystem projects.

Jackpot Tax (1%)

- Accumulates in the dedicated Jackpot contract.

- Only released when the Spin Counter hits the next Fibonacci number.

- The winner must actively claim this pot using the `claimJackpot` function.

Interval Fees

- Variable taxes assigned to "winners" of specific intervals (10, 100, 1k, 10k, 100k, 1M).

- Each *interval* has a distinct rate (10%, 5%, 4%, 3%, 2%, 1%).

- Deducted after royalty, LP, and jackpot taxes. The user who triggers the counter from, say, 99 to 100, gains the right to collect these fees until the next 100 multiple is reached.

The order of deduction is: first Royalty (5%), then LP Tax (2%), then Jackpot Tax (1%), and finally the applicable Interval Fee if there is an active "winner."

7.3 Spin Counter and the 6 StarTax Fees

Any transaction exceeding *transactionMinimum* increments this counter by +1. When an exact multiple is reached:

- **10 (StarTax10)** $\rightarrow$ The new winner receives 10% from subsequent transactions.

- **100 (StarTax100)** $\rightarrow$ Gains 5%.

- **1,000 (StarTax1K)** $\rightarrow$ Gains 4%.

- **10,000 (StarTax10K)** $\rightarrow$ Gains 3%.

- **100,000 (StarTax100K)** $\rightarrow$ Gains 2%.

- **1,000,000 (StarTax1M)** $\rightarrow$ Gains 1%.

Example: If the counter moves from 9 to 10, the address triggering that move is "StarTax10." From then on, anyone else transacting (i.e., not StarTax10 itself) will pay an extra 10% directly to StarTax10's wallet, until some user pushes it from 19 to 20. Likewise, 99 to 100 activates StarTax100, and so on.

The same address can hold multiple prizes if it happens to trigger, for instance, both 10 and 100 simultaneously.

7.4 Auto-Update (Automatic Adjustments)

To deter abuse via tiny operations that would artificially inflate the Spin Counter, StarTax defines a *transactionMinimum*, adjusted by calling `autoUpdate()`:

1. Queries Chainlink oracles (ETH/USD) and the WETH/CHIPS pair on Uniswap.

2. Computes an approximate USD price for CHIPS.

3. Sets a minimum in CHIPS so that each valid transaction represents at least X dollars.

4. Initially around $0.10 and possibly up to $10. Over time and following community feedback, a final immutable threshold will be established before ownership is renounced.

7.5 How Does the "Winner" Concept Work?

Spin Counter   Each buy, sell, or transfer of CHIPS above *transactionMinimum* increments the counter by +1.

Assigning the "Winner"   When your transaction takes the counter exactly from (for example) 99 to 100, you become "StarTax100." From that moment, you receive the specified percentage (5% for 100, 10% for 10, etc.) on subsequent transactions, as long as you aren't the one transferring. You stop being the winner once the counter reaches the next multiple (199 to 200, in the same example).

Fee Exemption   The winner of a given interval does not pay their own fee, to avoid self-payments or loops. **Addresses receiving LP Tax or Royalty neither pay fees nor get interval rewards, so they do not interfere with the game's mechanics. This measure helps protect the system when moving and distributing funds**

to the community. Transactions below the *transactionMinimum* threshold will pay all relevant fees, and the winner also pays fees when claiming the Jackpot.

7.6 Percentage Summary

- 5% (Royalty)

- 2% (LP)

- 1% (Jackpot)

- 25% (StarTax prize fees)

When all fees are active, the maximum combined rate reaches 33% plus Uniswap's 0.3% fee. While this may seem high, most of it is redistributed immediately back into the community as prizes and rewards.

Practical Example: If *transactionMinimum* is set to $1, and you transfer exactly $1 in CHIPS to yourself, you get charged 33% ($0.33). Of that amount, $0.25 (around 70%) flows to active winners in the same transaction, and $0.083 covers other fees, **including the Jackpot**. This represents a far higher return than usual in many non-decentralized online slot machines.

7.7 Conclusion

In StarTax, each transaction can become a play:

- You know exactly when the next special prize will drop.

- A *Jackpot* accumulates according to the Fibonacci sequence.

- The contract is transparent and its rules are enforced immutably on-chain.

8 Intervals and Reward Levels

8.1 Origin of the Intervals (10, 100, 1k, 10k, 100k, 1M)

We chose these milestones for simplicity and clarity. Unlike traditional slot machines, there is no secrecy around when the special prize will pop: each user knows precisely at which transaction the prize could appear.

Hence, StarTax becomes a public *slot machine*, shared by everyone, where all can see in advance when each "*jackpot*" interval is due.

8.2 Feedback and Impact on Trading Volume

- Many users might fragment their transactions to boost their odds of pushing the counter up to a key multiple and becoming the winner.

- This can invigorate trading activity and sometimes **soften volatility, thanks to StarTax's intrinsic gamification**.

8.3 Milestone Visibility

The official StarTax DApp displays in real time:

- The current *Spin Counter* and how many transactions remain until the next multiple.

- Addresses winning each interval (StarTax10, StarTax100, etc.).

- The accumulated *Jackpot* and the most recent Fibonacci winner.

9 Fibonacci in StarTax

9.1 Fibonacci Philosophy

We chose this sequence because:

- It is widely known and easy to verify.

- No opaque random algorithms are needed; everything is auditable on-chain.

- Each time the *Spin Counter* hits a Fibonacci number, a `fiboReceiver` is named, able to claim the *fibPot*.

Jackpot funds are locked in the contract. Not even the team can remove them. Only the designated winner can do so once that Fibonacci milestone is triggered.

9.2 Freezing and a New fiboReceiver

- When the counter reaches a *fiboNumber* (e.g., from 20 to 21 if 21 is the next Fibonacci), it "freezes" the *fibPot* for that address.

- If unclaimed and another Fibonacci milestone occurs, the new `fiboReceiver` could also claim any unclaimed balance.

9.3 Claiming the Jackpot

To redeem it, the `fiboReceiver` calls `claimJackpot()` either from the DApp or directly on the contract. Until that happens, the balance remains in the **specific contract address for StarTax's Jackpot**.

9.4 On-Chain Jackpot Announcements

StarTax can periodically run `announceJackpotBalance()`, emitting an on-chain event with the current jackpot total. The DApp reads and displays this in real time.

Brief Summary: StarTax blends a **Fibonacci Jackpot** with interval-based prizes, creating a uniquely shared slot machine environment.

10 Internal Economy and Tokenomics

10.1 Initial Supply and Distribution

- **Total supply**: 1,000,000,000 CHIPS, with no additional minting.

- **Gradual distribution**: These CHIPS are progressively added to Uniswap, starting at a symbolic rate of 1 ETH per 40,000,000 CHIPS.

The aim is to prevent a single entity from amassing huge amounts early on and to enable liquidity and price to evolve organically.

10.2 Liquidity on Uniswap

Initially, the team will oversee liquidity provision, yet in a transparent manner:

Symbolic Starting Price

- 1 ETH / 40,000,000 CHIPS

- A small amount of WETH and CHIPS is provided to start trading.

Gradual CHIPS Sales to the Pool As the community purchases CHIPS and more WETH accumulates in the pool, the team will sell CHIPS back to that same pool, reinvesting the earned ETH plus additional CHIPS, thus growing liquidity.

LP Token Renouncement   Every time liquidity is added, the resulting LP tokens go to a burn address, permanently locking them.

The plan is to distribute 100% of CHIPS into the market methodically. Naturally, short-term volatility can occur, so we suggest staggered purchases to average your cost over time.

Liquidity Goal: We aim to reach 20–30 WETH in the pool when 100% of tokens are in circulation, subject to actual market support.

10.3   Future Minting or Burns

- **No new emissions**: No more than 1,000,000,000 CHIPS can be created.

- **Possible burns**: A burn event might happen if chosen by the community or a future DAO.

10.4   Financial Roles and No Angel Investors

- **No private investors**: No venture capital, angel investors, or reserve funds exist.

Self-Funding: The project relies on the community and the initial funds donated by the development team. Gradually, CHIPS will be sold publicly, along with adding more WETH+CHIPS to Uniswap liquidity.

Experimental Nature: With no large backers, StarTax depends directly on genuine community support.

10.5   Marketing and Visibility Plan

To promote CHIPS and encourage long-term engagement:

Airdrops and Giveaways

- Rewards for users who share content on social media (Twitter, Twitch, etc.).

- Periodic campaigns for those who actively promote the project.

24/7 Twitch Streaming

- Live matches, mechanical walkthroughs, and interactive sessions with the community.

Newsletter and Promotions

- A newsletter system to verify user involvement over time, granting rewards or raffle entries.

Aggregator Listings

- Presence on sites like CoinGecko, DappRadar, etc., to gain visibility in the DeFi space.

Organic Growth

- The central goal is showcasing the *Slot Machine DeFi* experience as a transparent alternative to opaque casinos.

Summary StarTax's supply of 1,000,000,000 CHIPS is fixed and released progressively through Uniswap. Future burns may be considered if the community so decides. With no angel investors or large funds, real user involvement is essential. Marketing focuses on direct community engagement: airdrops, giveaways, 24/7 Twitch streaming, aggregator listings, all under a transparent and entertaining framework.

11   Community and Governance

11.1   Paperless Governance and DAOs

Initially, the StarTax team retains ownership of the contract to manage post-deployment tools (`blacklist`, `whitelist`), which allow assigning permissions to CEXs or blocking malicious addresses. However:

Massive Success and Adoption

- There might be a need for some manual control over the `whitelist` or trading permissions with CEXs.

- In that scenario, contract ownership could pass to a DAO, so the community, voting on-chain, can enable or disable features as needed.

Full Ownership Renouncement

- If the project proves self-sustaining and stable, the team could fully renounce *ownership*.

- This achieves absolute decentralization, preventing anyone from modifying contract rules (the team's preferred choice, essentially discarding CEX involvement). A DAO could still exist to manage expansions in the gaming ecosystem, while leaving the core of StarTax immutable and fully decentralized.

The philosophy is to transfer control to the community when feasible, ensuring that security and configurations are properly established.

11.2   Long-Term Vision: Co-creator Role

If StarTax achieves success within DeFi, the community may:

- Propose new ideas or mini-games centered around CHIPS.

- Create forums or NFT-gated spaces with token burns to unlock features, etc.

The goal is to foster active participation and evolve in line with community-driven ideas.

11.3   Potential NFT Usage and Future Extensions

Limited NFT Collections

- NFTs for *early adopters* and *liquidity providers*, possibly featuring "magical" or burn functions granting private forum access.

Cross-Reward Integrations

- There could be synergy with other NFT collections, offering unique benefits in StarTax.

Parallel Projects and Mini-games

- If the community is receptive and StarTax grows, the team might invest efforts into new on-chain experiences using CHIPS and NFTs as the foundation.

12   Risks and Disclaimer

DISCLAIMER AND LIMITATION OF LIABILITY

This document ("Disclaimer") outlines the terms under which StarTax ("the Project"), its developers, and associated parties (hereafter, "the Development Team") disclaim all legal and financial liability arising from using the dApp, token, associated smart contracts, liquidity pairs (*Liquidity Pool*), or any related components or services.

12.1   Experimental Nature and High Risk

Project Nature

- The Project is experimental, not a conventional financial product or service.

- Users acknowledge interacting with a system that may contain *bugs* or security flaws.

Market and Liquidity Risk

- Digital assets can fluctuate dramatically.

- There is no guarantee of permanent liquidity nor of the Project's continuity.

12.2   No Guarantees or Liability

No Responsibility for Losses

- The Development Team is not liable for direct or indirect financial damages resulting from errors, hacks, exploits, etc.

"As Is" Nature

- The token, dApp, and contracts are provided without warranties of merchantability or freedom from defects.

Total Legal Immunity

- Users waive their right to file claims or lawsuits against the Development Team.

12.3   User Obligations and Responsibilities

Research and Due Diligence (DYOR)

- Everyone must investigate the Project's security and feasibility before participating.

Responsible Use of Funds

- Use only funds you can afford to lose entirely.

Regulatory Compliance

- The user is responsible for adhering to local laws and any applicable tax or financial obligations.

12.4   Additional Risks

Oracle or Third-Party Failures

- Chainlink or Uniswap services might fail, impacting StarTax without implicating the Development Team.

Ownership Renouncement and Control

- Once deployed, smart contracts can become immutable, preventing the Development Team from reversing transactions.

Possible Shutdown of Operations

- The Project may cease operating partially or entirely due to causes beyond the Development Team's control (attacks, abandonment, mainnet issues, etc.).

12.5 No Legal, Financial, or Tax Advisory

- The content of this Whitepaper or official channels does not constitute professional advice.

12.6 Acceptance of This Disclaimer

Explicit Consent

- By interacting with the Project, the user declares they have read and agree to all terms in this Disclaimer.

Updates

- This Disclaimer may change over time. Such modifications will be announced through official channels.

StarTax is not responsible for losses caused by third-party contracts, hacks, or any other events harming users.

Using StarTax requires externally owned accounts (EOA) in their original form (and in the future, possibly certain approved smart wallets) and may be traded on the official Uniswap v2 pool. We advise extreme caution with permissions granted to dApps or contracts, as *phishing* attacks exist.

StarTax and all related contracts are 100% experimental and do not constitute an investment vehicle. Use them responsibly, and do not risk funds you cannot afford to lose. Good luck!

THE STARTAX TEAM OF DEVS HAS BUILT AND DEPLOYED THE STARTAX PROJECT AND ALL ITS SMART CONTRACTS, DAPP AND THE ECOSYSTEM IN GENERAL, AS A SIMPLE HOBBY WHERE THERE ARE NO EXPERTS AND THERE MAY BE BUGS AND/OR ERRORS. IF YOU DO NOT ACCEPT THESE TERMS, YOU MUST REFRAIN FROM INTERACTING WITH THE PROJECT OR ANY RELATED TOOL.