Rashito

A no-code studio for real, wallet-signed NFT collections — and RASH, its fixed-supply utility token

Whitepaper — Draft v1.0

1. Abstract

Rashito is a full-stack platform for creating, deploying, and minting generative NFT collections directly from a connected wallet, without writing code or hiring a smart-contract engineer. Every deployment and mint is a real, wallet-signed on-chain transaction; Rashito never holds a private key or custodial funds. Alongside the Studio, Rashito maintains RASH, a fixed-supply utility token (1,000,000,000 total supply) that anchors the ecosystem's tokenomics.

2. Problem & Solution

2.1 The problem

Launching an NFT collection today typically means stitching together separate tools: design software for trait layers, a spreadsheet for rarity weighting, a manual or scripted process for pinning files to IPFS, a smart contract written or copy-pasted from a template, a deploy script requiring command-line comfort, and a separate mint site. Each step is a point of failure, and most of the tooling assumes the creator already has engineering support.

2.2 The Rashito approach

Rashito unifies the entire pipeline into one guided workflow: build layers and traits, set weighted rarity, generate the full collection with live rarity scoring, pin art and metadata to real IPFS storage, deploy an audited-pattern ERC-721 contract straight from your own wallet, and open minting - all from a single browser tab.

3. Product Architecture

3.1 The Studio

- Layer & trait editor with per-trait rarity weighting and live probability feedback
- Rule engine for trait exclusions/requirements (e.g. certain hats can't appear with certain eyes)
- Deterministic collection generator with duplicate detection
- Real IPFS pinning for images and metadata
- Guided deploy wizard: name, symbol, supply, price, royalty, per-wallet limits

3.2 Real Web3, not a simulation

Wallet connection (MetaMask, Coinbase Wallet, WalletConnect), contract deployment, and minting all run through wagmi and viem against live chains - Ethereum, Base, Polygon, BNB Chain, and their public testnets. Every transaction is signed by the creator's own wallet; Rashito's servers never see a private key.

3.3 Smart contracts

RashitoCollection.sol - an ERC-721 contract (OpenZeppelin 5.x) with capped supply, public and allowlist minting (Merkle-proof gated), per-wallet mint limits, ERC-2981 on-chain royalties, a pausable mint switch, a pre-reveal placeholder URI with owner-triggered reveal, and a secure owner withdraw function.

RashitoToken.sol - a fixed-supply ERC-20 (OpenZeppelin 5.x) that mints its entire 1,000,000,000 RASH supply once, at deployment, to a treasury address. There is no further mint function of any kind - RASH holders never face dilution from this contract. The token is burnable and supports gasless approvals (EIP-2612 permit).

4. The RASH Token

4.1 Fixed supply

RASH has a hard-capped total supply of 1,000,000,000 tokens, minted once at contract deployment. This figure can never increase - the contract has no mint function beyond the constructor.

4.2 Utility

- Fee discounts on Studio usage (deployment and pinning services)
- Governance over protocol parameters and roadmap prioritization
- Staking for ecosystem rewards and priority access to future drops
- Marketplace credit and allowlist access across Rashito-affiliated collections

Utility mechanisms above describe the intended design and will be activated in phases per the roadmap (Section 6); none are live at initial token deployment.

5. Tokenomics Summary

Full breakdowns, allocation charts, and vesting notes live on the in-app Tokenomics page. Summary:

RASH Token — 1,000,000,000 supply	
Public / Liquidity	30%
Team & Advisors (vested)	20%
Ecosystem & Staking Rewards	20%
Treasury	15%
Marketing & Partnerships	10%

Community Airdrops	5%

6. Roadmap

- **Phase 1 — Foundation (current):** Studio v1, real wallet/deploy/mint stack, RashitoCollection and RashitoToken contracts shipped
- **Phase 2 — Launch:** First creator collections live, RASH token generation event and initial liquidity, social channels live
- **Phase 3 — Utility:** RASH fee discounts, staking, on-chain governance portal
- **Phase 4 — Expansion:** additional chains, marketplace integrations, creator revenue-sharing programs

7. Team & Community

Rashito is built and maintained by its founding team, with roadmap input from its creator community. Team bios and public profiles will be published alongside the Phase 2 launch.

8. Legal Disclaimer

This document is provided for informational purposes only and does not constitute financial, legal, tax, or investment advice, nor an offer or solicitation to buy or sell any security or financial instrument. RASH is a utility asset intended for use within the Rashito ecosystem and is not designed to be, and should not be treated as, a security. Figures, timelines, and features described here are subject to change. Participation in any token or NFT mint carries risk, including total loss of funds; do your own research and consult a qualified professional before participating.