Bitbank Whitepaper: A Low-Fee Market on Robinhood Chain

Version 0.1 draft · 7 September 2026 · Download PDF · Contract source

Abstract

Bitbank is a crypto market intelligence and trading platform on Robinhood Chain. It combines three things that usually live on different sites: machine-learning price forecasts with published accuracy, a token launchpad whose contracts hand 90% of trading fees to creators, and an in-page wallet that lets a user hold, send, swap and pay network fees in a stablecoin. The platform keeps 0.10% of trading volume and nothing else on trades. This paper describes what is built, how the fee model works, what the BITBANK token does and does not do, and the direction we intend to take: a high-volume, low-fee exchange where holding or paying with BITBANK makes trading and data cheaper.

1. The platform today

Forecasting. Bitbank publishes hourly and multi-horizon forecasts for major crypto pairs from an ensemble of nearest-neighbour feature models, gradient-boosted hourly models and a Chronos-2 time-series transformer. Every model is evaluated with walk-forward, k-fold validation and the results are on the accuracy and backtest pages, including trades that did not work. Paid tiers unlock the full feed and API.

Launchpad. One transaction deploys a fixed-supply ERC-20, seeds its entire supply as one-sided liquidity in a Uniswap V3 pool at the 1% fee tier, locks the liquidity position permanently, and optionally makes the creator's first buy. The locker splits collected pool fees 10% to the protocol and 90% to the creator or a splitter of up to twenty collaborator wallets. A short launch window applies a decaying anti-sniper fee and wallet caps; after it the token is a plain ERC-20 with no owner functions.

Wallet and gas station. The site includes a wallet drawer for any injected provider: balances, send, receive, ETH/WETH wraps, and one-transaction buys of launch tokens with native ETH. Users whose wallets hold only USDG can pay network fees in USDG: they sign a quote and a permit, and a Bitbank relayer submits it to the gas station contract, which atomically pulls the exact USDG and sends the exact ETH. Both amounts, the deadline and a single-use id are under the user's own signature, so the relayer can refuse but never change the deal.

Market data. A background indexer has censused every launch on Robinhood Chain from the Pons V1 and V2 factories, over 530,000 tokens, with trades, candles, holders and a verified ETH/USD oracle read from the canonical WETH/USDG pools. The data is served from a public, rate-limited API and never calls the chain on a user request.

2. Fee model

Venue	Pool fee	Platform take	Creator take
Typical meme launchpad	1.00%	most or all of it	little or none
Bitbank launchpad	1.00%	**0.10%**	**0.90%**
Bitbank trading of other tokens (planned)	the pool's own	0.10% interface fee, 0.05% for BITBANK holders	n/a

The split is fixed in the locker contract at deployment and cannot be changed by anyone, including us. The protocol share lands in an immutable treasury address; creators claim their share from the same contract with no permission from Bitbank. Fee collection is permissionless: anyone may trigger it, and funds only ever move to the recorded recipients.

Why so low? Launch venues compete for creators, and a creator's rational choice is the venue that leaves the most fee revenue with them. We would rather take 0.10% of a large volume than 1% of a small one. The marginal cost of serving a trade is a handful of RPC calls, so the model is profitable at almost any volume and scales linearly.

Two honest caveats. Uniswap governance has enabled the pool protocol fee on this chain for existing pools (a quarter to a sixth of LP fees). New pools start at zero, but ours may be included later, which would take the platform share from 10 to roughly 8.3 basis points. And the launchpad's fixed 1% tier is a product choice for new tokens; it is not a claim about fees on tokens launched elsewhere.

3. Architecture and trust

- **No server signing.** Launch, trade and claim endpoints return unsigned transactions. The server simulates each one and verifies the chain id, the runtime code hash of every contract it talks to, the locker–factory binding and the treasury recipient before responding. A wrong chain or changed bytecode fails closed.
- **Immutable custody.** The locker has no withdrawal, liquidity decrease, upgrade or arbitrary-call path. Positions stay locked forever; only fees move.
- **Offline relayer.** The gas station relayer key never exists on the web server. The server verifies and queues signed top-ups; a separate process on an operator machine, holding the key in an encrypted file behind a password prompt, submits them and keeps the station's ETH float topped up within daily caps.

- **Verifiable.** Contract source is published, runtime hashes are pinned in a manifest, and the fork validation that exercises the exact calldata the site produces against real Robinhood Chain state is part of the repository.

4. The BITBANK token

BITBANK (`0x6b488c9bdbd34cc20cce5b6bfc3e22abe93b50b8`, Robinhood Chain) is a fixed-supply token of one billion units launched on 5 September 2026 through the Pons V2 launchpad and now trading in its canonical Uniswap V4 pool. It has no owner, no mint function, no transfer tax and no admin hooks. Bitbank did not run a token sale; the description on the launch page said "ICO", but onchain it was a public launch in which any wallet, including the team's, bought on the same curve as everyone else. We will publish the addresses of company-held wallets.

What it does. BITBANK makes Bitbank cheaper to use. There are two ways to qualify: hold it, or pay with it.

Where a fee applies	Standard	Holding BITBANK	Paying in BITBANK
Trading tokens launched elsewhere (interface fee)	0.10%	0.05%	n/a
Launching a token	flat launch charge	waived	n/a
Forecasting API credits, prepaid	USD price, card or USDG	same	**20% less**
Forecasting API, pay per call	USD price	same	20% less, debited from balance
Gas station markup	3%	1.5%	n/a

"Holding" is measured at quote time across the connected wallet and the user's Bitbank account balance; there is no locking or staking. "Paying" debits BITBANK from the account balance at the current pool price minus the discount, with no onchain transaction per call.

Account balance. Users can keep BITBANK inside their Bitbank account alongside USD credits. Topping up with USDG buys BITBANK on the canonical pool under the hood and credits exactly what was received; deposits from any wallet are credited on confirmation; withdrawals go to any address within daily limits. Company custody wallets will be published and reconciled against the sum of account balances.

What it does not do. BITBANK does not pay dividends, does not entitle holders to revenue, is not bought back or burned by the platform, and carries no governance rights. Fees the platform earns are revenue used to run and grow the business. BITBANK received as payment is company inventory that may be held or sold. The discounts are prices and, like any price, can change with notice. Nothing in this paper is a forecast of the token's value.

5. Roadmap: toward a high-volume, low-fee exchange

1. **Every Pons token, tradable here.** Our factory and token expose the same read interface as Pons V1, and the indexer already knows the pool of every Pons launch. Next is a Uniswap V4 trade adapter so the 530,000 existing tokens, BITBANK included, can be bought and sold on bitbank.nz with the same one-transaction flow. No bridge, no wrapped token; they already live on this chain.
2. **Aggregation.** Route across V3, V4 and launch curves for best execution; add USDG pairs; list any ERC-20 on the chain.
3. **Batch auctions.** Off-chain order collection with onchain settlement in periodic batches, which suits a low-fee brand better than a central limit order book: takers pay a few basis points, makers earn rebates paid in BITBANK.
4. **Deposits from other chains** through the canonical Arbitrum bridge that Robinhood Chain already has. We will not operate a bridge of our own.
5. **Forecast-driven products.** Rug-risk and momentum signals for launch tokens (we know lock status and creator behaviour exactly for our own launches), alerts and limit orders driven by our models, and a pay-per-call forecasting API for agents that accepts USDG or BITBANK.

Across all stages BITBANK's role stays the same: the token that makes the venue cheaper. It is not gas, collateral or a stablecoin.

6. Revenue and sustainability

Revenue lines are the 0.10% protocol share of launchpad volume, the 0.10% interface fee on other trades, flat launch charges, the gas station markup, and forecasting subscriptions and API credits. Costs are hosting, RPC and model training. At 0.10%, ten million dollars of daily volume is ten thousand dollars a day; the platform is profitable well below that. We will publish monthly: volume on the venue, protocol fees received onchain, BITBANK taken as payment, tradable token count and API request volume. All of it is derivable from the public indexer.

7. Risks and disclosures

- Smart contracts can have bugs. The contracts are small, permissionless and tested on a mainnet fork, but they have not been audited by a third party at the time of this draft.
- Robinhood Chain's public RPC prunes state and rate-limits; outages degrade quoting but never move funds.
- Meme tokens are highly speculative. The launchpad's anti-sniper window reduces but does not remove launch-time manipulation. Nothing on the platform is investment advice.
- Regulatory treatment of tokens with fee discounts varies by jurisdiction. Bitbank is based in New Zealand; we will adjust the programme as guidance requires.
- Account balances are custodial. Users who prefer self-custody can use every feature from a connected wallet, and holding in a connected wallet counts toward the holder discount.

8. How to verify

Contract source: bitbanknz/bitbankcontracts. Deployed addresses and runtime hashes will be published on the launchpad docs page at deployment and are pinned in the server's manifest. Uniswap V3 on Robinhood Chain: factory `0x1f7d…2efa`, SwapRouter02 `0xcaf6…5cb2`, QuoterV2 `0x33e8…a9e7`; WETH `0x0Bd7…AD73`; USDG `0x5fc5…d168`. Market data and analytics: /api/v1/launchpad/analytics.

This is a working draft. Sections will change as contracts deploy and the roadmap items ship. Feedback: contact.