Methodology One-Pager

How we validate and publish performance

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How the system is built

Smooth Brains is a systematic Bitcoin strategy executed on Hyperliquid perpetuals. Three cooperating layers must all agree before capital is risked. None of them publishes entry prices or position-sizing rules in public documentation; what follows is the architecture an allocator can diligence without receiving proprietary signal logic.

Layer	Role
Macro permission layer	Hourly assessment of whether the macro environment permits long exposure, short exposure, both, or neither. This layer vetoes; it does not generate trade entries.
Tactical permission layer	Hourly assessment of options-market stress and structure. Emits permission for the execution layer to act when macro and tactical conditions align.
Automated execution layer	Sizes positions, places and manages protective stops, enforces portfolio exposure limits, and executes non-custodially on Hyperliquid. Maximum portfolio exposure is capped at 3.4x notional relative to account equity.

One production definition

The live system runs a single locked strategy definition covering both position classes: the Right Curve trading system and the Left Curve spot Bitcoin program (cycle-timed, capped at 30% of the account standard, 60% on the Portfolio Margin tier). Historical backtest, rolling research replay, live paper tracking, and funded accounts all implement that same definition - not parallel parameter sets tuned for different audiences.

The published headline record is the whole Full Curve account (both curves together, one combined high-water mark). The trading lane is additionally published on its own so the trading edge can be verified in isolation; the integrity gate is that the integrated engine with the Left Curve disabled reproduces the trading-lane record byte-for-byte. Spot rebalances are recorded in their own downloadable lane and are never counted as trades.

When the strategy is updated through formal promotion, public numbers are republished under a new fingerprint. Prior windows remain downloadable for comparison.

Three public performance tracks

Allocators should keep these separate. Conflating them is the most common diligence error we see.

Track	What it is
Fixed historical backtest	Full pipeline replay on frozen inputs through 16 June 2026. Reproducible by third parties who obtain the same published input package.
Rolling research replay	Same definition re-run on extending history through the latest available bar. Used internally for ongoing monitoring; figures change as new bars arrive.
Model portfolio	Live paper account mirroring production signals. Reset 27 June 2026 to $100,000 flat with zero closed trades.

Track	What it is
Live funded accounts	Real execution on user capital at the venue. Verified round-trip count remains the binding commercial evidence gap.

Automated consistency checks compare live paper tracking to rolling research replay. Material mismatches block publication and alert operators.

Execution and fees

- Non-custodial. Agent delegation on Hyperliquid; no user private keys stored by Smooth Brains.
- Performance fee only. Twenty percent of monthly growth in total account value above one combined high-water mark - trading results and any Left Curve Bitcoin together. No subscription or management fee. Enrolling in Full Curve mode seeds the mark to include everything you already hold.
- Venue costs. Exchange trading fees and funding are borne by the account and are included in published simulation assumptions (4.5 bps taker per fill on the published backtest).

What we deliberately do not publish

- Signal generation formulas, pattern definitions, or entry/exit parameter grids.
- Real-time or forward-looking trade instructions.
- Client-specific account details.

Those boundaries protect intellectual property while keeping performance and integrity claims verifiable.

Disclaimer

Not financial advice. Past simulated performance does not guarantee future results.