

StonkBroker Hook

Official StonkBrokers RulesLaunch preset on Hookr's owned root. Royalty pinned to the StonkBrokers treasury. Integration guidelines for the Hookr team.



In partnership with Hookr (hookr.fun) for Uniswap v4 hook launches

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Repository commit: 810c9aaf668a | source hash: preset

Runtime: Node + hookr-sdk 1.0.0

Tests: Hookr SDK dry run (preflight + plan)

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Status: SCRIPT LIVE, LAUNCHES HARD HOLD

hooks/hookr/stonkbroker-hook.mjs preflight and plan pass against Robinhood Chain 4663. launch and claim stay sealed until the user's explicit go. Royalty claim wallet 0xb668382cf44038a3E8140E789060F6A809787CDa.

Source and ABIs

Contracts live under hooks/ in the StonkBrokers repository. Byte exported ABIs ship beside this guide under contracts/hooks/integration/ and are served from stonkbrosers.io/integration/hooks/.

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1. What this is

Hookr's RulesLaunch path creates a token + v4 pool on an owned Hookr root with on chain rules (royalty, LP cut, burn, launch guards). StonkBrosers pins:

Field	Value
royaltyTo	0xb668382cf44038a3e8140e789060f6a809787CDa
royaltyBps	1000 (10%)
lpBps	300
burnBps	50
pot fields	0
seed	about 95% of supply (5% hold cap)
ticks	full range +/-887220, spacing 60
currency0	ETH

Claim royalties through Hookr's claim path to that treasury EOA. No custom Solidity deploy is required for this preset.

2. Why this CAN be an owned root surface

Unlike Battle / Strategy / Fractional / Smart LP custom hooks, this preset uses Hookr's unmodified owned root. HookrRouter, HookrQuoter, and the Hookr SDK work end to end. This is the default StonkBrosers listing shape for Hookr's UX.

3. Hookr contracts (release hookr-1 on 4663)

Item	Address
Root	0x89c9FB50d1f03192230FFB1c279BB6E7d3Fe6aCc
Rules	0x4a71c270b1520F94064268102AebD744b0DE7942
Launcher	0x1cf2748A6670572425eAbf9Ab9e5BC4eb2eB8Ef4
Registry	0x463c82beA1a52F4Cc05ca0741a24F0AD24bA4602
Treasury	0x2242F7FC75606500503075f29ea8cDA684EfB4a9
Recapture	0xF83569E564d70daebc35950f66a73f2e2B915583
FeeAdvisory	0x3B6b3f00684987B831fcF9EB5f0d5B806afF7306
Router	0xC2Bc9a3fe6c4Ce8C2F7EB4655b0869b01D8c93C9
Quoter	0x445D7891381Aa7F91F5048EdBC6a611ccBDe7865
PoolManager	0x8366a39CC670B4001A1121B8F6A443A643e40951

Addresses above are the hookr-sdk 1.0.0 HOOKR_1.contracts set for chain 4663 (release startBlock 82536327); the script reads them from the SDK at runtime so a future Hookr release is picked up automatically. PoolManager is not on that object and is hardcoded in the script.

4. CLI

```
cd hooks/hookr
# RPC: keyed Alchemy preferred (public RPC Cloudflare challenges Node)
export RPC_URL=$(cat /tmp/hookr_rpc_url) # or set from apps/web/.env.local
node stonkbroker-hook.mjs preflight
node stonkbroker-hook.mjs plan --name "Demo" --symbol DEMO --seedEth 0.05
# launch / claim stay HARD HOLD until go
```

Plans write under hooks/hookr/runs/plan-*.json (bigint safe JSON).

SDK notes that bit during build:

- checkRulesConfig needs liquidityOwner (HookrLauncher) and blockNumber when guardEndBlock !== 0.
- rulesPoolTerms needs full registry admission fields.

- bindMinFeePips("new", ...) may return 0 when earnsHookr is true (accepted).

5. Hooklist / directory framing

Frame this as a saved RulesLaunch preset, not a custom hook address:

```
{
  "name": "StonkBroker Hook",
  "author": "StonkBrokers",
  "kind": "rulesLaunchPreset",
  "chainId": 4663,
  "royaltyTo": "0xb668382cF44038a3E8140E789060F6A809787CDa",
  "royaltyBps": 1000,
  "lpBps": 300,
  "burnBps": 50,
  "docs": "StonkBrokers-StonkBroker-Hook-Hookr-Integration.pdf",
  "script": "hooks/hookr/stonkbroker-hook.mjs"
}
```

6. Five official StonkBrokers hooks on Hookr

1. StonkBroker Hook / this RulesLaunch preset
2. Smart LP Hook / custom (see SmartLpHook-Hookr-Integration.md)
3. Strategy Token Hook / custom
4. Battle Token Hook / custom (priority product)
5. Fractional 404 Hook / custom

Custom hooks use Universal Router + V4 Quoter. The preset uses Hookr native rails. Each custom guide has a Contract functions section that lists every public endpoint.

7. Script commands and Hookr surfaces

There is no custom Solidity deploy for this preset. Ops and integrators use hooks/hookr/stonkbroker-hook.mjs against live Hookr contracts from hookr-sdk HOOKR_1.contracts.

7.1 CLI commands

Command	Who	What it does
preflight	anyone (read only)	Reads root open gate, admission, min protocol share, launch fee, validates the pinned royalty / lp / burn preset against live floors. No key required.
plan [--name] [--symbol] [--eth]	anyone (read only)	Builds a bigint safe plan JSON under hooks/hookr/runs/plan-*.json: predicted token, seed amounts, rules config, deadline, hold cap, min fee pips. Dry by default.
launch	deployer key	Broadcasts HookrLauncher launch with the pinned RulesLaunch terms and ETH seed. Requires DEPLOYER_KEY or PRIVATE_KEY. HARD HOLD until explicit go. Writes runs/launch-<hash>.json.
claim [--currency] [--to]	claimer key	Reads claimable(currency, account) on HookrRules / treasury path and calls claimTo so royalty lands on 0xb668...7CDa (or --to). Also prints claimAsClaims calldata for ERC-6909 redeemers. HARD HOLD until explicit go.

7.2 Hookr contracts the preset touches

Surface	Role
HookrRoot	Gate: rootOpenFor / admission before launch.
HookrLauncher	launch endpoint; seed ETH + rules member.
HookrRules	On chain royalty / LP / burn terms; claim paths.
HookrRegistry	Pool admission fields for rulesPoolTerms.
HookrTreasury / HookrRecapture	Fee sinks (recapture off in this preset).
Uniswap v4 PoolManager	Pool lifecycle; hardcoded 0x8366...0951 on 4663.

SDK helpers used by the script (not StonkBrokers contracts): buildLaunch, buildPredictToken, checkRulesConfig, rulesPoolTerms, bindMinFeePips, buildRulesClaimAsClaims, defaultRulesLaunch.

7.3 Preset pins (immutable in the script)

Field	Value
royaltyTo	0xb668382cF44038a3E8140E789060F6A809787CDa
royaltyBps	1000
lpBps	300
burnBps	50
pot fields	0
seed	at least 95% of supply (5% hold cap)
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currency0	ETH

8. Go live checklist

1. Keep HARD HOLD: no launch / claim from ops keys until explicit go.
2. Confirm treasury 0xb668...7CDa can claim Hookr royalties on a dry fork if needed.
3. Publish the preset card in Hookr's directory with the royalty pin visible.
4. Regenerate this PDF if any HOOKR_1 address or bps pin changes.