

MktMaker.xyz White Paper

Automated, Non-Custodial Market Making for Concentrated Liquidity

Version: 1.0

Website: <https://mktmaker.xyz>

Executive Summary

MktMaker.xyz is a non-custodial automation platform designed to simplify and professionalize market making in concentrated liquidity environments (CLMMs). By abstracting operational complexity while preserving user sovereignty, MktMaker.xyz enables individuals, DAOs, and funds to deploy capital with the same discipline and repeatability used by institutional desks—without relinquishing custody of assets.

The platform focuses on automated liquidity deployment, range management, fee optimization, and risk-aware rebalancing across leading decentralized exchanges that support concentrated liquidity models. MktMaker.xyz is infrastructure-agnostic by design, supporting modular integrations with EVM-compatible chains and emerging liquidity venues.

Problem Statement

Concentrated liquidity has fundamentally improved capital efficiency in decentralized finance, but it has also introduced significant operational challenges:

- **Manual complexity:** Optimal range selection, rebalancing, and fee compounding require constant monitoring.
- **Operational risk:** Human error, delayed reactions, and emotional decision-making degrade returns.
- **Tool fragmentation:** Data, execution, and analytics are often spread across disconnected interfaces.
- **Custodial tradeoffs:** Many automation tools require asset custody or opaque permissioning.

These frictions prevent most participants from capturing the full benefits of CLMMs.

Solution Overview

MktMaker.xyz delivers a fully non-custodial automation layer that operates on top of existing decentralized exchanges. Users retain full control of funds while delegating strategy execution to deterministic, transparent automation.

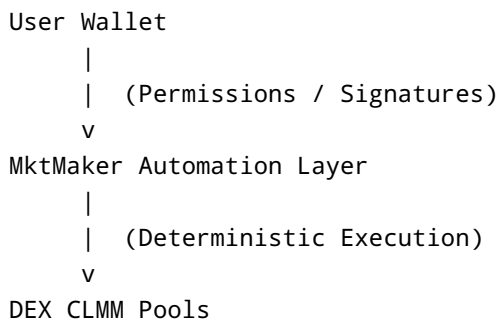
Core principles:

- **Self-custody first**
- **Automation without opacity**
- **Composable strategy modules**
- **Chain-agnostic architecture**

MktMaker.xyz is not a fund, broker, or pooled vehicle. It is tooling—designed to execute user-defined logic with consistency and speed.

Architecture Overview

Figure 1: High-Level System Architecture



The platform consists of three primary layers:

- 1. User Interface Layer**
Strategy configuration, monitoring, and performance visualization.
 - 2. Automation & Execution Layer**
Logic engines that manage liquidity placement, rebalancing triggers, and fee compounding.
 - 3. Protocol Integration Layer**
Smart-contract-level interaction with supported decentralized exchanges.
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Core Features

1. Strategy Automation

Users configure predefined or custom strategies that define:

- Price range selection
- Rebalance thresholds

- Capital allocation rules
- Fee harvesting cadence

Once deployed, strategies execute autonomously according to on-chain and off-chain signals.

2. Non-Custodial Design

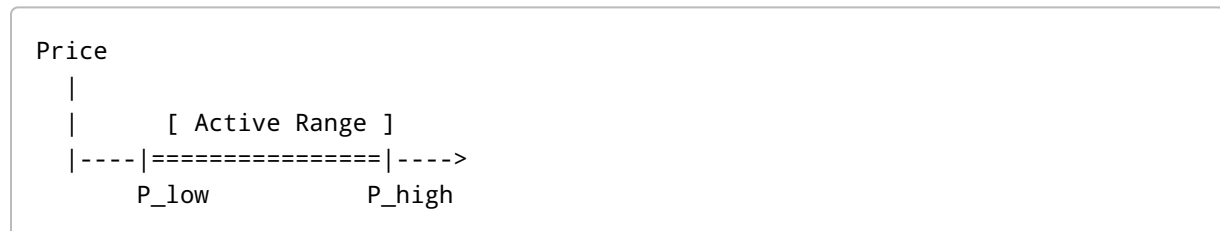
MktMaker.xyz never takes custody of user assets. All liquidity positions remain controlled by the user's wallet or smart account, with permissions scoped to specific actions only.

This model:

- Reduces counterparty risk
 - Preserves user sovereignty
 - Aligns with DeFi self-custody principles
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3. Risk-Aware Range Management

Figure 2: Concentrated Liquidity Range Visualization



Automation dynamically responds to price movement by:

- Shifting ranges when thresholds are breached
 - Reducing idle capital exposure
 - Maintaining fee-generating positioning
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4. Performance & Transparency

All actions are verifiable on-chain. The dashboard surfaces:

- Fee revenue
- Impermanent loss estimates
- Capital utilization
- Strategy health metrics

No black boxes. No hidden execution.

Supported Environments

MktMaker.xyz is designed for EVM-compatible chains and CLMM-enabled DEXs. Initial focus areas include:

- Ethereum-based ecosystems
- Layer-2 networks
- High-throughput chains supporting concentrated liquidity

Protocol support expands modularly without requiring user migration.

Security Considerations

Security is approached as a layered discipline:

- **Minimal permissions:** Scoped approvals only
- **Deterministic logic:** No discretionary execution
- **Fail-safe triggers:** Capital protection on abnormal conditions
- **Transparent execution paths:** Fully auditable behavior

The platform is designed to integrate with audited protocols and established infrastructure providers.

Economic Model

MktMaker.xyz operates on a transparent service-based model:

- No custody fees
- No pooled capital
- Optional performance-aligned usage fees depending on deployment

The platform does not rehypothecate, lend, or otherwise reuse user assets.

Use Cases

- **Individual LPs** seeking professional-grade automation
 - **DAOs** managing treasury liquidity positions
 - **Funds & desks** requiring repeatable, rules-based deployment
 - **Developers** building on top of automation primitives
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Roadmap (High-Level)

Phase 1

Core CLMM automation, dashboard, and documentation

Phase 2

Advanced strategy modules, expanded chain support

Phase 3

Composable APIs, partner integrations, governance tooling

Legal & Compliance Notice

MktMaker.xyz provides software tooling only. It does not offer investment advice, custody services, or pooled investment vehicles. Users are solely responsible for strategy configuration, risk management, and regulatory compliance in their jurisdiction.

Conclusion

MktMaker.xyz bridges the gap between decentralized finance ideals and institutional-grade execution. By combining non-custodial design, deterministic automation, and transparent performance analytics, the platform enables market participants to deploy capital efficiently—without sacrificing control.

MktMaker.xyz is infrastructure for disciplined liquidity.