⭕Overview

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Lnfi Network unlocks multi-asset DeFi on the Lightning Network through next-generation financial infrastructure, enabling users to trade, earn, and manage Bitcoin, Taproot Assets, and RGB assets via LightningFi.



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The Lnfi Edge: Transforming Lightning from Payments to a Programmable Financial Layer

The Lightning Network revolutionized Bitcoin with instant, low-cost payments. However, its core design excels at unilateral transfers – simple, one-way sends. Lnfi Network builds the essential decentralised application layer atop Lightning, unlocking three transformative capabilities:

- Programmable Logic: Embedding complex, conditional financial agreements directly within the off-chain layer, powered by Nostr.

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- Secure Bilateral Settlements: Enabling trust-minimised, atomic exchanges of value between peers (e.g., swaps, trades) on Lightning Network, with finality on the Bitcoin blockchain.
- Native Multi-Asset Support: Facilitating the issuance, management, and transfer of diverse assets (Taproot Assets, RGB assets, RWAs, stablecoins, in-game items) seamlessly over Lightning.

This transforms Lightning Network from a payment rail into a powerful platform for open, programmable finance.

The Proof: LN Exchange

Consider LN Exchange, Lnfi's order book DEX. Here's the Lnfi advantage in action:

- **Order Logic (Nostr):** Users broadcast orders via the decentralized Nostr network.
- **Matching Logic (Nostr):** Orders are matched peer-to-peer based on Nostr relays.
- **Settlement Execution (Lightning Network):** The critical step: Matched orders trigger a bilateral, atomic settlement directly over a Lightning channel using Lnfi's capabilities. Assets (e.g., BTC for a stablecoin, BTC for an RWA) are swapped instantly and securely between the two parties. The finality of this swap is anchored on Bitcoin.

Without Lnfi, this is impossible: Base Bitcoin and Lightning lacks the programmability to enforce the conditional swap logic and the bilateral settlement mechanism required for a true exchange. Lnfi provides the essential settlement layer and asset flexibility.

Beyond the Exchange: This same foundation – programmability, bilateral settlements, and multi-asset support – powers the entire Lnfi ecosystem: token launches (Launchpad/Launchpool), verifiable asset locking, P2P marketplaces, and instant token gifting (LN Gift), all operating with Bitcoin's security and Lightning's speed.

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Lnfi's Edge is enabling a new paradigm: Secure, composable, multi-asset financial applications, natively on Bitcoin's longest-standing layer-2, Lightning Network.

Complete Token Lifecycle Support

Lnfi supports the full lifecycle of Taproot and RGB assets, from issue to launch, list, and trade. Whether you’re issuing a new token, launching a token campaign, or building applications, Lnfi offers an all-in-one multi-asset financial layer to power your project from launch to scale.

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Token Phase	Product	Description
Issue	LN Issue	Enables issuance of Taproot Assets and RGB assets on the Lightning Network.
Launch	LN Starter Launchpad	Runs token sale at predefined price on a first-come, first-served basis.
	LN Starter Launchpool	Particpants stake predefined assets to qualify for the chance to win in the token sale or giveaway.
	Airdrop	Manages token giveaway campaigns on the Lightning Network.
List & Trade	P2P Marketplace	A peer-to-peer marketplace for listing, buying, and selling Taproot Assets and RGB assets.
	LN Exchange	An order book exchange for trading multi-asset on the Lightning Network.
Manage & Earn	LN Node	A self-custodial Bitcoin node service for generating yield.
Others	Lock Assets	Enables projects and asset owners to initiate publicly verifiable asset locks.
	LN Gift	Provides a simple way to instantly share tokens with friends, fans, or communities.

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