HashLordz: Whitepaper

1. Introduction

What is HashLordz?

HashLordz is an onchain mining game designed for the next generation of crypto users. At launch, players gain access to 3 mining spaces and 3 distinct miner types that enable them to mine the native in-game currency, $HASH.

This model creates an engaging and accessible entry point for both newcomers and experienced crypto participants.

As the game evolves, additional spaces and miner types will be introduced, expanding both strategy and earning potential.

2. Why Build on Abstract?

Abstract is a high-performance, consumer-focused blockchain optimized for speed, affordability, and seamless user experiences. It features:

- Near-instant finality
- Ultra-low transaction fees
- Native support for gaming and creator ecosystems

These attributes make Abstract the ideal foundation for a scalable and interactive game like HashLordz. With seamless onboarding and robust developer tools, projects on Abstract can launch quickly and scale effortlessly.

3. $HASH Tokenomics

Fixed Supply

- Total supply: 33 million $HASH
- No minting beyond cap

Halving Schedule

$HASH employs a structured halving model to manage token emissions:

- Initial block reward: 3.5 $HASH
- Halving interval: Every 6,500,000 blocks
- Governance: Emission schedule changes require community vote

This approach ensures a predictable, deflationary supply curve, preserving scarcity and long-term value alignment.

4. Onchain Mining System

Mining Mechanics

Mining in HashLordz is entirely onchain and accessible to all players. Users acquire miners and facilities, both of which determine their total hashpower. Each block, $HASH tokens are distributed based on a player's share of the total network hashpower.

This system removes traditional hardware barriers and allows anyone to participate in token emission through gameplay and strategic planning.

Hashpower Rewards

- Players can view their personal hashrate in the dashboard after connecting their wallet
- Rewards are distributed in proportion to each player's contribution to the total network hashpower

Reward Calculation:

User's Reward = (User's Hashpower ÷ Total Network Hashpower) x Block Reward

This proportional system ensures a fair, transparent, and scalable distribution of $HASH based on individual contribution.

5. Miners

Miners are core assets for earning $HASH. Each miner has:

- Hashrate: Mining power contributed
- Power Consumption: Energy required
- Cost: Priced in $HASH

Initial Miner Types:

Leaf - $25 in $HASH, 20 hash/day (free with first space)

Steel - $250 in $HASH, 200 hash/day (10x Leaf)

Diamond - $2,500 in $HASH, 2,000 hash/day (10x Steel)

Players can acquire miners at any time, provided they have available space and power in their facility.

6. Facilities

Facilities serve as the infrastructure for housing miners. Each facility defines:

- Miner Capacity
- Power Output
- Upgrade Cost in $HASH

Upgrade Rules:

- 24-hour cooldown between upgrades
- Constraint: Sum (Miner Power Consumption) <= Facility Power Output

Initial Facility Types:

Basic Small - 3 slots, 0.01 ETH (first 100), 0.015 ETH after, Leaf only

Basic Medium - 5 slots, $250 in $HASH, Leaf & Steel

Basic Large - 7 slots, $1000 in $HASH, All miner types

Facilities are essential for scaling mining operations efficiently.

7. Miner Levels & Upgrades

Each miner in the Hash ecosystem can be upgraded to Level 5, allowing players to scale their hashpower incrementally and strategically.

Upgrade Mechanics:

- Each upgrade increases a miner's hashrate by 100% of its base value
- Each upgrade costs 100% of the miner's original purchase price, paid in $HASH

Example: Leaf Miner Upgrade Path

Level	Cumulative Cost ($HASH)	Hashrate (hash/day)
1	$25	20
2	$50	40
3	$75	60
4	$100	80
5	$125	100

A Level 5 Leaf Miner produces 100 hash/day, approximately 50% of a base Steel Miner's output, preserving the value hierarchy between tiers.

8. Getting Started, Burn Mechanics & Referrals

Initial Access:

- First facility: 0.01 ETH (first 100 units), includes 1 free Leaf Miner
- Price increases to 0.015 ETH after 100 units sold

Proceeds bootstrap the $HASH liquidity pool. Gameplay features unlock post $HASH launch.

Economic Mechanics:

- Burn Mechanism: 75% of all $HASH spent is burned permanently
- Referral Rewards: 5% of mined rewards go to the referring wallet
- Marketplace Fees: 20% fee on miner sales, paid in ETH

9. HashLordz Marketplace

The HashLordz Marketplace is a peer-to-peer (P2P) platform for buying and selling miners using ETH.

Key Benefits:

- Liquidity: Players can trade or exit at any time
- Market Pricing: Prices determined by supply and demand
- 20% Fee: Collected in ETH to fund development and operations

10. HashLordz Launchpad

The HashLordz Launchpad supports new projects within the Abstract ecosystem by providing exposure, liquidity, and community engagement.

How It Works:

- Projects pair with $HASH to form LPs
- Reduces sell pressure and adds long-term liquidity
- Community selects which projects to support

11. Smart Contracts

Contract Addresses: TBA

12. Conclusion

HashLordz combines strategic mining gameplay with real economic incentives, powered by $HASH. With scalable tokenomics, onchain infrastructure, and future-facing features like the marketplace and launchpad, HashLordz is positioned as a cornerstone of the Abstract ecosystem.