



HydraMeshnet Launches World's First Blackout-Resilient Crypto Payment Solution for Bitcoin and Altcoins: HMesh Token Presale Now Live

Internet, Worldwide – Date TBD, 2025 – HydraMeshnet today announces the proof of concept video (see quick links below) and first product line of its groundbreaking **radio-based crypto payment technology**, which remains fully operational during blackouts, internet shutdowns, or mobile network outages. For the first time, Bitcoin, Ethereum, Stablecoins, and ERC-20 tokens can be transmitted securely over **up to 128 hops within a license-free, solar-powered radio mesh network covering up to 4,000 km** (and more) – a breakthrough that can eliminate dependence on fragile, centralized infrastructures.

When a nationwide blackout struck Spain and Portugal in April 2025, millions lost internet access and economic activity came to a standstill. HydraMeshnet demonstrates that such disruptions no longer have to paralyze entire societies: the system enables **full sovereignty over finance, communication, and trade** – completely independent of public grids.

A Game-Changer Beyond DePIN & DeFi

The core strength of HydraMeshnet lies in the symbiosis of six components into a blackout-resilient all-in-one meshnet ecosystem:

- **Innovative radio modules** – affordable entry-level devices (**HConnector LoRaPay**, available now) for P2P payments with limited data rates (up to 3.6 Kbit/s), and professional high-performance devices (**HConnector Maxi**, available for pre-order) offering 1000x higher data rates (up to 4.8 Mbit/s) for regional coverage.
- **Reticulum meshnet protocol** – encrypted multi-hop routing with forward secrecy (fully implemented).
- **Modular app suite** – HVPN, HWallet & HCommunicator for blackout-resilient payments, marketplaces, messaging, telephony and more (available for download).
- **Privacy-first smartphones** – HPhone X23 & Quintus with HMesh-OS and pre-installed app suite (available now).

- Unlike **Helium** (IoT, centralized hotspots dependent on public power and internet) or **Meshtastic/MeshCore** (text-only, no crypto), HydraMeshnet enables real radio-based crypto transactions and message transmission at scale, not just during regional blackouts. This positions the project as a true pioneer at the intersection of **DePIN** and **DeFi**, two of the fastest-growing blockchain sectors worldwide.

HydraMeshnet introduces a new class of blockchain utility designed to support the token use of established cryptocurrencies like Bitcoin and stablecoins in blackout zones: **every off-grid transaction requires a fee of HMesh**, creating built-in token demand that scales with meshnet usage and expansion.

Blackout Zone with HydraMeshnet

Internet

The diagram illustrates a mesh network topology. At the bottom left, a box labeled 'HPhone' contains icons for 'HWallet' and 'HCommunicator'. Above it, a 'WiFi-Hotspot' is shown. To the right, a 'Standalone Repeater' is connected to an 'HPhone + LoRaPay' device. Further right, an 'HPhone + LoRaPay + Maxi' device is connected to another 'Standalone Repeater'. The network continues with more repeaters and devices, eventually connecting to two 'Next working Internet-Gateway' nodes (e.g., solar powered Starlink-Router) which are connected to the 'Internet'. A large double-headed arrow at the bottom indicates the network's reach: 'Up to 128 meshnet hops x up to 30 km distance = up to 4000 km extension'.

Standalone Repeater

HPhone + LoRaPay

WiFi-Hotspot

HPhone + LoRaPay + Maxi

Standalone Repeater

HPhone + Maxi

Next working Internet-Gateway (e.g. solar powered Starlink-Router) with HPhone + Maxi

Next working Internet-Gateway (e.g. solar powered Starlink-Router) with HPhone + LoRaPay + Maxi

Internet

Up to 128 meshnet hops x up to 30 km distance = up to 4000 km extension

HMESH ERC20 Token Presale Now Open

The presale is live (via enabled HVPN) in the **HWallet** app (see tutorials at <https://hydramesh.net/presale>):

- **Round 1** (until Jan. 24, 2026): 20 million HMESH at **\$0.05** (USDT, USDC, DAI, ETH)
- **Vesting**: 3-month lockup, 6-month linear release
- **Audit**: Smart contracts on Arbitrum reviewed by Solidproof.io

Incentives:

- **Influencers**: Earn up to **\$150,000** in USDT for campaign participation
- **Followers**: 1% HMESH bonus via promo code
- **Investors** (\$500+/\$1000+): **4–8% discount** on HPhones & HConnectors via HShop in the HWallet

The **HMESH DEX (IDO)** launch is scheduled to coincide with the completion of the 4 presale rounds at a price of **\$0.10 USD** per token within the HWallet app.

Founder's Statement

"When national internet connections and power grids collapse, people suddenly realize how fragile today's centralized infrastructure truly is. With its superior decentralized radio network technology, HydraMeshnet makes it possible for cryptocurrencies to continue functioning even when public networks fail. Together with our partners Volla Systems and Beechat Network Systems, we are building the technological foundation for a private, censorship-resistant, and blackout-resilient financial and economic infrastructure for sovereign individuals and communities worldwide."

— **Dr. sc. ETH Paul Abelman, Dipl. Ing. ETH**, Founder of HydraMeshnet

Why It Matters

- **Blackout-resilient**: Long-range radio mesh network operating without internet, mobile networks, or public power grids.
- **Energy-autonomous**: Solar panels, wind turbines, and rechargeable batteries ensure continuous, self-sufficient operation.
- **Token utility**: Every transaction requires HMESH, directly linking token value to meshnet activity.
- **Scalable**: From local radio payments to regional gateway hubs to future satellite relays for ultimate global coverage.

About HydraMeshnet

HydraMeshnet, an international digital cooperative of libertarian entrepreneurs, IT professionals, and software engineers, is developing the world's first **energy-autonomous all-in-one solution for a radio meshnet ecosystem designed to build free-market societies with blackout-proof digital cash**

payments in crisis regions and beyond. By combining solar- or wind-powered license-free radio-based DePIN hardware with sovereign DeFi infrastructure, HydraMeshnet empowers individuals and communities to stay connected and transact digitally under any conditions – from urban blackouts to rural off-grid environments.

Quick Links:

- **Website:** <https://hydramesh.net>
- **Whitepaper light:** <https://hydramesh.net/whitepaper-light>
- **Proof-of-Concept Video:** <https://hydramesh.net/poc>
- **HMESH Token Presale:** <https://hydramesh.net/presale>
- **Audit Report:** <https://app.solidproof.io/projects/hydrameshnet>
- **App Suite** (Android only): <https://hydramesh.net/download>
- **Twitter (X):** <https://x.com/hydrameshnet>
- **Telegram:** <https://t.me/hydrameshnet>
- **Odysee:** <https://odysee.com/@hydrameshnet>
- **YouTube:** <https://youtube.com/@hydrameshnet>
- **Github:** <https://github.com/hydrameshnet>
- **Influencer Registration:** influencer@hydramesh.net

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