



Rial Ethereum Whitepaper

Version 1.0 – March 2026

Introduction

Rial Ethereum is a fully decentralized synthetic ERC-20 token created to give Iranians real and complete control over their money. The system runs entirely on the Ethereum blockchain through an immutable smart contract that acts as a transparent treasury. Anyone in the world can send Ethereum to the contract and instantly receive Rial Ethereum tokens at the current market price. In the same way, anyone can return their tokens to the contract at any time and receive Ethereum back at the prevailing market price. Every step is automatic, with no banks, no government, and no central authority able to interfere. The mission is clear: to build a digital Rial that no regime or institution can freeze, confiscate, or censor. The entire Ethereum reserve that backs every token lives inside the smart contract, and the code itself enforces all rules forever. This creates true free-market money where the price is set by supply and demand alone.

The Problem We Solve

For decades, the Iranian banking system has been under total regime control. Banks can freeze accounts without warning, set daily limits, delay transfers for days, and monitor every movement. During protests, sanctions, wars, or internet shutdowns, people often lose access to their savings completely. Even when everything works, identity checks and surveillance give the regime power to confiscate funds at any time. Traditional money in Iran is not truly owned by the people — it belongs to the system. Rial Ethereum changes this by moving the entire monetary process onto Ethereum, the most secure and decentralized blockchain ever built. Your wallet becomes your personal bank, and no one outside your control can touch what is inside it.

How the System Works

The process is simple and direct. To buy Rial Ethereum, you send any amount of Ethereum to `buy.rial.eth`. The smart contract reads the current market price from its price feed, deducts a small 0.1 percent commission, and immediately mints the exact number of tokens into your wallet. The Ethereum you sent stays locked inside the contract as permanent backing for those new tokens. To sell Rial Ethereum, the easiest and most reliable method is to send your tokens directly to `sell.rial.eth` or to the main contract address `0x21c3aa992d0c5929459383d58b73caaea0a2584e`. The contract automatically burns the tokens you send and returns the corresponding amount of Ethereum to your wallet after the 0.1 percent commission. No special apps or interfaces are needed — any standard wallet such as Trust Wallet or MetaMask can do this with a normal transfer.

The Treasury and Backing Mechanism

Every Rial Ethereum token is backed by real Ethereum held inside the smart contract. No one, including the project creators, can ever withdraw or move this reserve because the code makes it impossible. The contract continuously compares the total Ethereum reserve to the total number of tokens in circulation. The goal is for each token to hold a value close to one Iranian Rial. If at any moment the reserve ratio falls below what is required to support the full supply at the market price, the contract automatically switches to proportional redemption. In this mode, when tokens are sent for redemption, the holder receives a fair share of the remaining Ethereum reserve divided equally among all current holders. This adjustment happens instantly as soon as the ratio drops — it does not require a dramatic or sharp fall in Ethereum's price against the Rial. The system protects itself and every holder from ever becoming insolvent.

Fees and Economics

The only fee in the system is 0.1 percent on each buy or sell transaction. This small commission helps cover development and keeps the project sustainable. There are no fees for transferring tokens between users — only normal Ethereum network gas fees apply. The launch was completely fair. No tokens were pre-mined, no allocations were given to any team or investors, and every single token in existence was purchased with real Ethereum by real users. The token name displayed in wallets and on explorers is Riale Bazaar Azad with the symbol RIALE, exactly as defined in the smart contract.

Risks and Full Transparency

We want every user to understand the risks clearly and completely before using Rial Ethereum.

1. Because of internet filtering and sanctions inside Iran, you will almost always need a reliable VPN to access your wallet and make transactions. A complete nationwide internet shutdown could temporarily prevent you from reaching the blockchain, although your tokens remain perfectly safe on Ethereum.
2. In cryptocurrency you are your own bank. If you lose your private key or seed phrase, no one — not the project team or anyone else — can ever recover your funds. This responsibility is permanent and absolute.
3. Every transaction requires Ethereum gas fees, so you must always keep a small amount of Ethereum in your wallet, and sending very small amounts may not be economical.
4. The value of your tokens depends directly on the Ethereum reserve inside the contract. If Ethereum's price against the Iranian Rial falls, the contract immediately adjusts the redemption rate using the proportional mechanism explained earlier. You may receive less Ethereum than the current market price would suggest, but this automatic adjustment protects all holders equally and prevents the system from ever collapsing.
5. The current price feed relies on data provided by the team's server. While the core contract and treasury are fully decentralized and immutable, this oracle is still centralized. If the server were hacked or temporarily unavailable, prices could be distorted and redemption might yield less or no Ethereum until the issue is resolved. Your tokens would still be safe in your wallet, but the buy and sell process could be affected. Our plan is to replace this with a fully decentralized oracle using multiple independent sources as soon as possible.
6. Ethereum is a public blockchain, so all transaction history and balances are visible to anyone. If you ever connect your real-world identity to your wallet address, your privacy could be compromised.

Decentralization and Security

The smart contract is immutable in its core functions. Even the creators cannot freeze tokens or touch the treasury. The only changeable part at this moment is the price feed address, and even that can be locked permanently with one transaction so it can never be updated again. The contract uses well-tested OpenZeppelin libraries and includes protection against common attacks. All rules are enforced by code that lives forever on the Ethereum blockchain.

Fair Launch and Community

Rial Ethereum was launched with total fairness. There were no pre-mined tokens, no investor rounds, and no hidden allocations. The entire project is driven by the community. We invite every Iranian to learn about it, use it, share it, and help strengthen the backing by participating. In the future we plan to lock the price feed forever, move to a fully decentralized oracle, improve the experience for users inside Iran, and explore community governance once the user base grows large enough.

Conclusion

Rial Ethereum is more than a cryptocurrency. It is a peaceful way for Iranians to take back control of their money. For the first time we have a digital Rial that no regime can censor, freeze, or confiscate. The treasury lives on the blockchain, the rules are written in unbreakable code, and the power belongs entirely to the people who hold the tokens in their wallets. Join the movement. Send Ethereum to buy.rial.eth to get started, use sell.rial.eth to redeem when you need, and help spread the idea of truly free money. Together we are building the financial future Iran deserves.

Official Links

Contract address: [0x21c3aa992d0c5929459383d58b73caaea0a2584e](https://etherscan.io/address/0x21c3aa992d0c5929459383d58b73caaea0a2584e)

Website: <https://rialet.com>

Email: info@rialet.com

X: [@RialEthereum](https://twitter.com/RialEthereum)

Telegram: [@rialet](https://t.me/rialet)

This whitepaper is for informational purposes only. Always do your own research and fully understand the risks before using any decentralized protocol. We built this for the Iranian people — with complete transparency and true decentralization. Let's make our money free.