

# BITCOIN 101

The only digital asset with no CEO, no HQ, no marketing team, and no second chance.

## 🧠 Bitcoin in 3 Dots

- Money you hold yourself
- Limited and can't be printed
- Works without banks or borders

## 💬 What Makes Bitcoin Different?

- 🌐 No borders
- 🔒 No gatekeepers
- 📦 No reset button
- 🚀 No leader
- 💥 No marketing
- 🏗️ Built once, never rebuilt

## 🏦 I Own Bitcoin – Now What?

Bitcoin isn't just a **savings technology**. It's also the best collateral on Earth to borrow against.

Because Bitcoin grows in value over time and can't be easily seized, you can use it to:

- 🔒 Secure a loan without selling your Bitcoin
- 💳 Borrow against it to get dollars (stablecoins)
- ➡️ Later, repay with less Bitcoin

In some cases, you can borrow at low interest and your Bitcoin gains cover the loan costs.

It's like taking out a loan that repays itself – while you keep your BTC.

Don't overdo it – leverage can also cause you to lose your Bitcoin! We recommend a max healthy loan to value ratio of 25%.

Learn how at: [bitcoinonepager.com/loans](https://bitcoinonepager.com/loans)

## 📅 Bitcoin Timeline

- 💻 2008 – Bitcoin whitepaper released
- ⛏️ 2009 – Network live, Genesis Block mined
- เหรียญ 2009 – 1,309 BTC = \$1 (first exchange rate)
- 🍕 2010 – 10,000 BTC buys two pizzas
- ⚖️ 2012 – First halving (50 → 25 BTC)
- 📈 2013 – Price hits \$1,000
- 🔨 2016 – Second halving (25 → 12.5 BTC)
- 🚀 2017 – Price hits \$20,000
- ⌚ 2020 – Third halving (12.5 → 6.25 BTC)
- 📊 2021 – First Bitcoin Futures ETF approved
- 📅 2024 – Spot ETFs approved by SEC
- ⚡ 2024 – Fourth halving (6.25 → 3.125 BTC)
- 🌐 2025 – BTC breaks \$100,000

## 🛠️ How to Get Started

- 📲 Download a wallet (BlueWallet, Muun)
- 💳 Buy Bitcoin (Cash App, Strike, Swan)
- 🔐 Securely store your recovery phrase (don't store it online)

## 👤 Who is Satoshi Nakamoto?

- 🧠 Created Bitcoin in 2008
- 👻 Vanished in 2011
- 💌 Communicated only through emails and forums
- 💼 Never profited, never returned, never revealed

*That disappearance is part of what makes Bitcoin **unstoppable**.*

## 🧠 What You Need to Know

### What is Bitcoin?

- 💻 A digital form of money that anyone can use, anywhere in the world, without any middlemen or banks.

### Who Created It?

- 👤 Satoshi Nakamoto – an anonymous figure who disappeared back in 2011.

### Who Controls It?

- 🌐 No one. Bitcoin runs on over 17,000 independent computers (nodes).

### How Does It Work?

- 📦 Transactions are grouped into public "blocks" and linked forever (mined).

### How Much Exists?

- 🌐 Only 21 million bitcoins will ever exist – coded in permanently.

### Why Do People Buy It?

- 💰 Hedge against inflation
- 🌐 Digital gold with fixed supply
- 🔒 Store wealth privately (then borrow)
- 🌐 Borderless, censorship-resistant money

## 🔗 Bitcoin is open-source code – but it can't be repeated. Here's why:

- 🚫 No pre-mine
- 👥 No insiders or team tokens
- 📅 No price for over a year
- 🍕 First trade was for pizza, not profit
- 👻 Creator disappeared
- 🏛️ No foundation, company, or central control
- 🎥 No marketing campaign – just an idea that spread on its own

*Every other coin has fingerprints. Bitcoin doesn't.*

[BACK] Why does bitcoin work and keep working?  
The nuts and bolts and ones and zeros.

# BTC

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## Critiques & Misconceptions

### “It’s too volatile.”

True – early technologies are. Bitcoin is still being adopted.

### “It wastes energy.”

Mining uses the cheapest energy it can find – mainly “stranded” or renewable power. Greener than banking or gold.

### “You can lose your Bitcoin.”

Yes – because you own it. Self-custody = self-responsibility.

### “It’s not real money.”

Bitcoin is math-based, scarce, and programmable. Fiat money is political and unlimited.

## What Is Bitcoin Mining?

Mining is how Bitcoin transactions get verified and added to the blockchain. It is the only way to get Bitcoin without it coming from someone else.

Computers solve puzzles

Add blocks to the chain

Win new bitcoin (block reward)

Happens ~every 10 minutes

*It's like a global competition to keep the network running—and secure.*

## Who Can Mine Bitcoin?

Anyone. Bitcoin mining is permissionless by design. The more people that mine, the more difficult it gets thanks to the [Difficulty Adjustment](#). All you need to mine is:

- A computer with specialized hardware (ASIC miner)
- Electricity (ideally cheap and consistent)
- Internet connection
- Mining software (free and open-source)
- Optional: Join a mining pool to earn more frequent rewards

No licenses. No sign-ups. No corporate approval. Just plug in and go.

## Why Mining Matters

*Mining is how Bitcoin enforces its rules – mathematically.*

- Replaces financial middlemen: Miners validate transactions and secure the network—no banks, no processors.
- Enforces the rules: Honest miners get rewarded. Dishonest ones are ignored. Consensus is automatic.
- Decentralizes control: Anyone can participate from anywhere. No government or company decides who can mine.
- Keeps Bitcoin neutral: Mining isn't political or personal. It's math, incentives, and open competition.

## What Problem Bitcoin Solves

### The Problem

Billions of people live under unstable currencies, frozen accounts, or unreliable banks. Inflation erodes savings. Control is centralized.

### The Bitcoin Fix

Bitcoin lets anyone, anywhere:

Store wealth privately

Transfer money globally

Operate without banks or permission

*A neutral monetary network. No middlemen / rulers.*

## Difficulty Adjustment

Every ~2 weeks, the network auto-adjusts the mining difficulty based on how many miners are competing.

Keeps block timing steady (~10 min)

Adapts to demand

Fully decentralized

*Bitcoin tweaks itself to adjust to network conditions.*

## The Halving

Every 4 years, new Bitcoin issuance is cut in half. This keeps supply predictable and capped at 21 million.

2009 → 50 BTC

2012 → 25 BTC

2016 → 12.5 BTC

2020 → 6.25 BTC

2024 → 3.125 BTC

2028 → 1.5625 BTC (next)

*Built-in scarcity. No central bank required.*

## Learn More / Go Deeper

Check out our website  
[bitcoinonepager.com](http://bitcoinonepager.com)

