



ethbox

Supported by  DuckDAO

Stay safe. Use ethbox.

Legal disclaimer

The present document does not serve as a binding contractual agreement between ethbox and its investors, and is to be considered as subject to change, going along with further development of the ethbox application. Any kind of legal relationship that is to be established between ethbox and investors will take place in the form of an individual agreement, including individual conditions and any rights and obligations applying to ethbox and investors. If ambiguous situations or circumstances occur, the content of this document may always be superseded by the aforementioned individual agreements.

WRONG ADDRESS? NO PROBLEM.



ethbox provides a unique solution to a problem in cryptocurrency trading that is as devastating as it is widespread.

Accidentally sending funds to a mistyped or mistaken recipient address has already been the cause for hundreds of millions, if not billions, of financial damage.

Harnessing the cryptographically unbreakable safety of the underlying Ethereum blockchain, **ethbox** provides a smart contract based digital escrow service to completely alleviate any risk of loss while sending cryptocurrency.



ETHBOX EQUALS PRIVACY

Sending funds through **ethbox** disrupts the chain of transparently trackable blockchain transactions, thereby obfuscating their origin and destination.

For situations where discretion is required, users have the option of wrapping **ethbox** transactions with an additional layer of privacy, for a small increase in service fee.

When using this added privacy feature, both sender and recipient addresses are encrypted locally on users' computers. No clear-text addresses are ever transmitted into the internet or stored on-chain, and users may remain anonymous to each other. Any attempt to reconstruct added-privacy transactions between ethbox users becomes tremendous effort, if not impossible.

OVER-THE-COUNTER ("OTC") TRADING

On top of securing transaction, **ethbox** offers an easy and convenient way of trading Ether and ERC-20 tokens. Funds can be sent & requested in a single transaction, which may only be fulfilled once both the sending and receiving party have put in their part.

This gives users a safe, reliable environment for OTC trading that is immune to any form of fraud or scam. Safeguarded by the **ethbox** smart contract, ethbox OTC transactions are guaranteed to take place in the only way that is acceptable, being fair and mutually beneficial for both parties.





INTRODUCING ETHBOX



The main purpose of **ethbox** is securing peer-to-peer cryptocurrency transactions, starting off with the Ethereum blockchain, and then extending in any way possible to other blockchains / networks.

As of now, Ether and ERC-20 can be transferred.

Respecting the decentralized nature of the blockchain and all its applications, it is self-evident that a service such as **ethbox** needs to operate in a decentralized way as well, not depending on any third-party instance for validation. This is guaranteed by the use of a so-called “smart contract”.

To put it simple, a smart contract is a program that runs on the Ethereum network. Everything that goes on inside and around that smart contract is transparent, visible and accessible to everyone. The smart contract code itself is usually open source (it definitely is in the case of **ethbox**).

Because of the underlying blockchain technology, there is no way a smart contract can be altered or tampered with. The only interactions a smart contract lets you do are the ones it is programmed to do – Which, as mentioned before, is something that anyone (with some programming knowledge) can check and validate at any time.

What **ethbox** does is provide a digital escrow service – It serves as a trustable, transparent and always-valid intermediary between two parties willing to send cryptocurrency one way or both ways. Instead of sending funds directly to each other, funds are relayed through the ethbox smart contract.

This brings a level of security to cryptocurrency peer-to-peer transactions that is unprecedented and invaluable. At the expense of just a small additional fee to be paid by the transacting parties, **ethbox** offers the safety of not having to worry about a mistyped or simply wrong recipient address ever again.

Without **ethbox**, funds that have accidentally been sent to a wrong address are lost irreversibly, as the blockchain architecture does not allow transactions to be reverted. With **ethbox**, transactions can be reverted anytime, as long as they have not been fulfilled (= picked up by the recipient).



TECHNICAL



Mode of operation

Users can either deposit funds inside the ethbox smart contract ("send"), or retrieve funds that have previously been deposited by another user ("receive").

In order to guarantee that only the designated recipient of a transaction is able to receive the funds, the **ethbox** smart contract takes the recipient's address (authenticated through MetaMask) as one part of a two-factor authentication. The other part is a passphrase, that is arbitrarily chosen by the sender of a transaction.

This means that for retrieving funds, the recipient has to be connected to **ethbox** through MetaMask using the address that was specified by the sender as recipient, and know the correct passphrase.

For all of this to work, the **ethbox** smart contract has to keep track of what is going on – Who deposited how much, for whom, with what passphrase?

The passphrase part is critical about this, as it can't be stored in the smart contract in clear-text for obvious reasons, given that any data on any smart contract can be viewed by anyone at any time. Therefore, the **ethbox** smart contract stores merely the Keccak-256 / SHA-3 hash value of each transaction's correct passphrase.

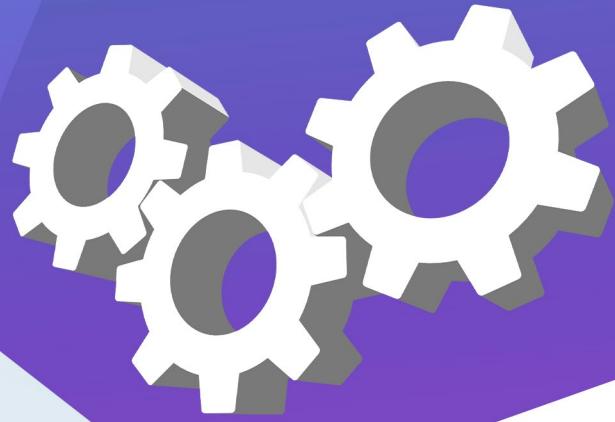
A hash value ("hash") is a numeric value that is computed according to a certain cryptographic / mathematical algorithm – You put in X, and you get the hash of X.

What's special about hashes is that there is a unique hash for every X, and the hash of X can be computed at any time, but once only the resulting hash is left, there is no way to go back.

The initial input, X, is impossible to retrieve. This is one of the basic underlying concepts of blockchain technology in general, which implies that the safety and reliability of ethbox goes hand in hand with the blockchain itself, making it just as unbreakable.



TECHNICAL



Applying this knowledge to how **ethbox** stores transaction passphrases, this means that **ethbox** can validate any passphrase that it is told by a user trying to retrieve funds, without actually knowing what the passphrase is.

In order to retrieve funds, users are required to enter a passphrase, which is then submitted to the **ethbox** smart contract.

The smart contract then computes the hash of that submitted passphrase, and compares it to what it has stored inside its memory, which is the hash of the correct passphrase (but not the actual correct passphrase itself).

Although it is theoretically possible to try and brute-force guess what could have been the correct input that led to a specific hash value, the hashing algorithm that is used by both the Ethereum blockchain and ethbox (Keccak-256 / SHA-3) is engineered in such a way that it would take a potential attacker something around 10100 years to succeed, which makes both breaking the Ethereum blockchain and breaking **ethbox** practically impossible.

Official Website:

ethbox.org

Official Social Networks:

 twitter.com/ethbox_official
 t.me/ethbox_official



TOKEN UTILITY



EBOX is a deflationary token by using part of the generated fee for buying back and burning tokens

Part of the generated Fee will be used to buy back EBOX token in order to burn them. This should help EBOX in the long run by giving it a deflationary mechanism, thus letting long-term holders profit from the shrinking supply. The process will be shown live on our website.

Regular payout of profit share to EBOX token holders

As **ethbox** is a project by the community, for the community, we believe all users should benefit from the success of **ethbox**. For this reason, **ethbox** is sharing part of the generated fee for EBOX holders

The payout has yet to be confirmed.



TOKEN UTILITY



Staking generates passive income for EBOX holders for 4 years following token generation

To support our supporters and believers from the beginning on, **ethbox** offers constant inflow for the first 4 years by introducing a staking service. Of the total EBOX token supply, 18% will be reserved for staking.

Locking period: 10 days

Two levels:



DuckDAO Bonus 200 DDIM / 20,000 DUCK

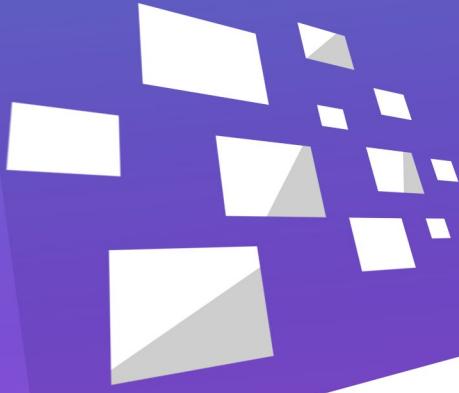
Lvl1: 5.000 EBOX	Earn 1x	+10%
Lvl2: 50.000 EBOX	Earn 2x	+10%

Governance gives voting rights for upcoming project-related decisions and enables EBOX holders to actively participate in the development of ethbox

Reduced service cost / fee for all ethbox services by holding EBOX token



SERVICE FEE STRUCTURE



For transactions below \$300, **ethbox** is free to use.

	Regular service	Using added privacy	OTC trading
No EBOX	1.5 %	2.0 %	3.0 %
5,000 EBOX	0.8 %	1.0 %	2.0 %
15,000 EBOX	0.4 %	0.8 %	1.0 %
50,000 EBOX	0.3 %	0.6 %	0.8 %
100,000 EBOX	0.2 %	0.5 %	0.6 %

Service fee will be used for:

- 25% Marketing
- 25% Payout to token holders
- 25% Buyback & burn
- 25% Profit

DuckDAO Discount

Members of DuckDAO holding DDIM or DUCK token profit from a largely reduced **ethbox** service fee.

Holding Token	10 DDIM / 1,000 DUCK	200 DDIM / 20,000 DUCK	2,500 DDIM / 100,000 DUCK	10,000 DDIM / 200,000 DUCK
ethbox Service Fee	-10%	-15%	-20%	-25%

DuckDAO Website:
duckdao.io



TOKEN ECONOMICS

Total Supply: 65.000.000 EBOX



35% Token sale

- 6.0% Strategic sale (*token price: \$ 0.038*) – 7% unlocked at token generation event ("TGE"), monthly distribution of other 93% over following 12 months
- 24% Private sale (*token: \$ 0.047*) – 20% unlocked at TGE, monthly distribution of other 80% over following 4 months
- 2.5% Public sale (*token: \$ 0.055*) – Full unlock at TGE
- 2.5% Farmcubation (*token: \$ 0.050*) – 50% unlocked at TGE, monthly distribution of other 50% over following 2 months

18% Staking – Available for staking for 4 years, starting at TGE

16% Marketing – Monthly distribution over 24 months, starting 6 months after TGE

- **2% Marketing bonus / Bounty / Airdrop** – Unlocked 7 months after TGE
- **2% Liquidity pool bonus** – Monthly distribution over 6 months, starting 6 months after liquidity pool

2% Referral system – Monthly distribution over 6 months, starting 6 months after TGE

3% Advisory – Monthly distribution over 12 months, starting at TGE

12% Team – Monthly distribution over 18 months, starting 12 months after TGE

10% Backup – Monthly distribution over 12 months, starting 24 months after TGE

4% Liquidity – Full unlock at TGE



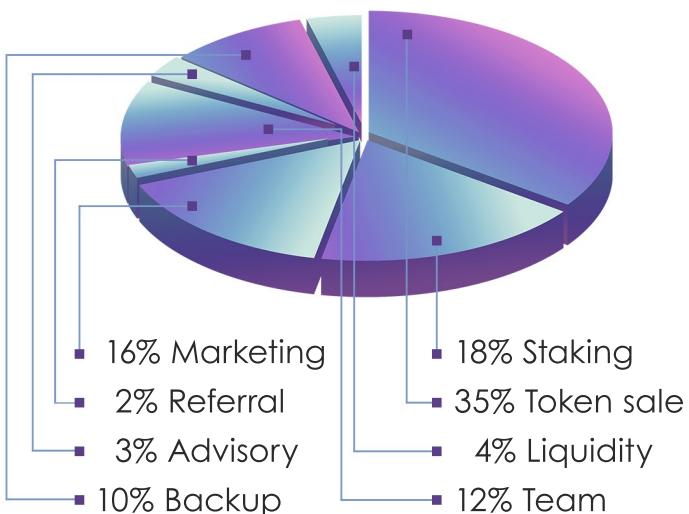
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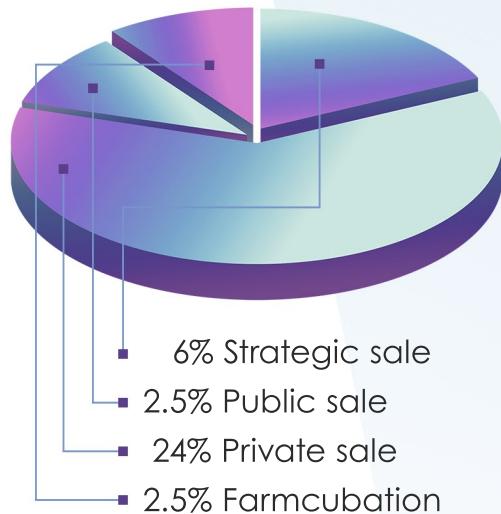


		Amount	Price (USD)	Total (USD)	Amount unlocked at TGE	Distribution after TGE
Strategic	6.0%	3,900,000 EBOX	\$ 0.038	\$ 148,200.00	7% 273,000 EBOX	over 12 months
Private Sale	24%	15,600,000 EBOX	\$ 0.047	\$ 733,200.00	20% 3,120,000 EBOX	over 4 months
Public Sale	2.5%	1,625,000 EBOX	\$ 0.055	\$ 89,375.00	100% 1,625,000 EBOX	–
DuckDAO Farmcubation Payable in \$DUCK	2.5%	1,625,000 EBOX	\$ 0.050	\$ 81,250.00	50% 812,500 EBOX	over 2 months
Liquidity	4.0%	2,600,000 EBOX	–	–	100% 2,600,000 EBOX	–
		Total		\$ 970,775.00	Initial Supply	8,430,500 EBOX

Token Distribution



Token Sale



ROADMAP



Q3 2020

- Idea generation
- Team building
- Definition / visualization of business model
- Creating executive summary
- Development kickstart – Smart contract based sending / receiving (basic feature)
- Branding and logo design
- Launch of teaser page
- Finalization of development regarding basic smart contract functionality
- Alpha release on Rinkeby Testnet

Q4 2020

- Internal market analysis
- Pre-beta release on Rinkeby Testnet
- Gathering investors and external stakeholders
- Alliance with marketing partners

Q1 2021

- Definition of token metrics
- Beta release on Rinkeby Testnet, including OTC feature
- Lightpaper release
- Code audit #1 with CertiK Foundation
- Sale round #1 - Strategic sale
- Sale round #2 - Private sale
- "Ask Me Anything" with DuckDAO & others
- Code audit #2 with CertiK Foundation
- Token generation event
- Listing on DEX
- Start of liquidity provider bonus program

Q2 2021

- Mainnet release
- Marketing offensive
- Gas fee optimization
- Privacy feature upgrade
- Implementation of staking
- Chain extension with Polkadot
- Address book implementation
- Development of payroll feature
- Further expansion of roadmap



TEAM



ethbox is a project by the crypto community, for the crypto community. We are a close and very well acquainted group of friends and business partners with experience throughout diverse fields of activity.

Lukas Schiefer

As a long-time crypto enthusiast and investor since right after the uprising of cryptocurrency, he is the founding head behind **ethbox** and its concepts.

Lukas Pratschner

Lukas is the one to fuse all of **ethbox** together by enriching the three of us with his structured way of working, coming from a corporate institutional background.

Paul Simode

The creative spark of **ethbox** – As an expert-level developer and designer of all sorts, he consolidates our project into bits and bytes.

More to be disclosed at our upcoming “Ask Me Anything”.

