

UniDexGas Token (UNDG)



FROM THE DEV OF UNIDEXBOT.COM

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UniDexBot (UNDB) logo



1. Introduction

Due to the popularity in the crypto market of fully decentralized exchanges such as Uniswap, traders have found themselves being forced to pay expensive gas fees on each transaction. Also, DeFi applications like AAVE, Compound, etc., consume a lot of gas due to the complex nature of transactions. For this reason, the team behind UniDexBot.com thought about a way to mitigate this issue and UniDexGas (UNDG) is the result of that thought process.

UNDG Token would serve the purpose of recovering back all the gas fee that was spent. The holder is allowed to receive a max daily cap of 2% of the amount of tokens being held as cashbacks. This way, assuming the price of UNDG is stable, an investor will be receiving back his investment in UNDG in a mere 50 days and will enjoy the free ride thereafter, or if the token price doubled, it would be 25 days instead. Cashbacks are going to be rewarded in UNDG tokens to the wallets holding the token, making it a very useful utility token that traders and users of the ethereum network would enjoy holding.

Well, is this model sustainable? The following information will break down all the aspects of the UNDG token such as its characteristics, tokenomics, sustainability, utility, how the token works and its features.





2. Tokenomics

In terms of the Tokenomics of UNDG, the total supply will be 10,000 tokens, of which:

- 3,500 will be assigned for the token sale.
- 3,500 will be allocated for cashback rewards (Rewards Fund).
- 1,500 will be added to the liquidity pool in Uniswap.
- 750 will be reserved for the team.
- 750 will be reserved for marketing.

Unsold tokens will be sent to the “Rewards Fund.”

If the token sale is successful and the Hardcap is reached, then the initial numbers at the moment of launching on Uniswap will be:

- Initial Amount of Tokens Held in Wallets: 3,500
- Initial Amount of Tokens in the Rewards Fund: 3,500
- Initial Amount of Tokens in the Pool: 1,500





3. Sustainability

To make this project and token sustainable in time, it is mandatory to have a reserve of UNDG tokens that can be refilled constantly called the “Rewards Fund.” This fund can be filled charging 4% fee on each transaction (transfer from wallet to wallet, and buys on Uniswap). In our model, transfers from the “Rewards Fund” Wallet are excluded from the 4% tax.

At 00:00 UTC daily, rewards for the last 24 hours will be made claimable, which will be 100% of what they spent in gas fee, but with a max cap of 2% of their amount of tokens being held. In USD terms, it would mean that if someone is holding \$5,000 worth of UNDG, then he can spend and claim a max limit of \$100 worth of UNDG for that day. Examples in USD:

Amount of UNDG held in USD	Maximum Cashback each day
\$1,000 worth of UNDG	\$20/day
\$5,000 worth of UNDG	\$100/day
\$10,000 worth of UNDG	\$200/day
\$20,000 worth of UNDG	\$400/day
\$50,000 worth of UNDG	\$1,000/day

There will be a minimum of UNDG tokens that can be claimed; the minimum amount will be \$20 worth of UNDG tokens.

Additionally, when a holder claims the rewards, 10% will be taxed and will go directly to the person who referred him, but if the holder claiming didn’t register through any referral link, then this 10% will go to the “Rewards Fund.”

To claim a reward, the holder has to pay the gas for the transaction. So, it is best recommended to wait a few days and let the cashback rewards accumulate before claiming them to save from gas fees. Also, from time to time, the liquidity pool may be supplied with tokens from the “Rewards Fund” if it builds up way more than what is required.

The key of this token is the sustainability of the “Rewards Fund.” Each day the “Rewards Fund” will grow or decrease depending on the buy volume, amount of tokens held in wallets and holders use of their total daily spent max limit, which is limited to 2% of their total amount of tokens held per





day. We could even consider increasing the daily cap, if the “Rewards Fund” is very healthy.

With all that information in mind, the following formulas show how sustainable the “Rewards Fund” actually is. (If you are not formula-savvy, skip to the table where we run the numbers on different scenarios).

Formula 1:

*Amount of Tokens Bought – Amount of Tokens Sold = **Resultant Tokens A***

Formula 2:

*Resultant Tokens A – 4% of Amount of Tokens Bought (That will be added to the Rewards Fund) = **Resultant Tokens B***

Formula 3:

*Initial Amount of Tokens Held in Wallets + Resultant Tokens B = **New Amount of Tokens Held in Wallets***

Formula 4:

*New Amount of Tokens Held in Wallets × Daily Spending Limit (Capped at 2%) = **Tokens to be Rewarded***

Formula 5:

*New Amount of Tokens in the Rewards Fund – Tokens to be Rewarded = **Final Amount of Tokens in the Rewards Fund***

Formula 6:

*[(Final Amount of Tokens in the Rewards Fund – Initial Amount of Tokens in the Rewards Fund) × 100] ÷ Initial Amount of Tokens in the Rewards Fund = **Increased or Decreased Percentage of the Rewards Fund***

Now, with these formulas, different scenarios can be calculated. Let’s start with one scenario in which ALL HOLDERS use ALL their maximum spending limit. Unrealistic, but we will start with this scenario to show how sustainable the token is.

The day starts with the following data:

- Initial Amount of Tokens Held in Wallets: 3,500
- Initial Amount of Tokens in the Rewards Fund: 3,500
- Initial Amount of Tokens in the Pool: 1,500





During the following 24 hours in Uniswap:

- 2,250 Tokens are bought.
- 1,500 Tokens are sold.

Here we apply Formula 1:

Amount of Tokens Bought – Amount of Tokens Sold = Resultant Tokens A
 $2,250 - 1,500 = 750$

Then we proceed with Formula 2:

If 2,250 tokens were bought, then a 4% fee is charged on all BUYS (and also on all transactions from wallet to wallet, except from the Rewards Fund Wallet), to fill the “Rewards Fund.”

In this example, we are not going to take into consideration transactions from wallet to wallet, just the fees from the BUYS on Uniswap. So, 4% of 2,250 tokens equals 90 that goes to the “Rewards Fund.”

Resultant Tokens A – 4% of Amount of Tokens Bought (That will be added to the Rewards Fund) = Resultant Tokens B
 $750 - 90 = 660$

Now, these 660 tokens are going to be added to the Initial Amount of Tokens Held in Wallets. So Formula 3 is applied:

Initial Amount of Tokens Held in Wallets + Resultant Tokens B = New Amount of Tokens Held in Wallets
 $3,500 + 660 = 4,160$

Now, there are 4,160 tokens held in wallets.

At this point, we now have the following data:

- New Amount of Tokens Held in Wallets: 4,160
- New Amount of Tokens in the Rewards Fund: 3,590
- New Amount of Tokens in the Pool: 750

So, for this scenario ALL HOLDERS unrealistically used ALL of their spending limit. Unrealistically because many holders just buy to speculate on the price of the token and not for the utility, others just buy and hold and do not use Uniswap much, others stop trading for a few days, others do trade on Uniswap but do not use all the 2% and so on. So it is





statistically impossible that ALL HOLDERS use ALL their daily limit in one day, but in this scenario, we will assume they all did.

Holders, now decide to CLAIM their rewards. Rewards are 100% their gas fee spent in UNDG tokens, but with a daily maximum amount of 2% of their tokens being held. Therefore, holders decide to claim their 2% rewards.

Note: When they claim their rewards 10% is taxed. This 10% goes to those who referred them, and only 90% is rewarded. In case the person never registered under any referral link, then this 10% goes to the “Rewards Fund.” Still, for calculation purposes in this scenario, we assume all holders registered through someone’s referral link, hence 100% of the rewards are sent to holders Wallets (90% to the ones claiming and 10% to those who referred them).

Formula 4:

New Amount of Tokens Held in Wallets × Daily Spending Limit (Capped at 2%) = Tokens to be Rewarded

$$4,160 \times 2\% = \mathbf{83.20}$$

Now, considering that during the day the Rewards Fund received 90 tokens from all the buys volume, the Rewards Fund that initially had 3,500 now has 3,590. From this new amount of tokens in the Rewards Fund, 83.2 will be subtracted to reward those who claimed them and those who referred them. Remember we considered the unrealistic scenario of all holders exhausting 2% of their daily cap limits and none of the users registered directly!

Formula 5:

New Amount of Tokens in the Rewards Fund – Tokens to be Rewarded = Final Amount of Tokens in the Rewards Fund

$$3,590 - 83.2 = \mathbf{3,506.8}$$

Now the Final amount of tokens in the Rewards Fund is 3,506.8 and the initial amount of tokens in the Rewards Fund were 3,500. So, to understand how much the fund increased or decreased during these 24 hours, we then calculate using Formula 6:





$[(Final\ Amount\ of\ Tokens\ in\ the\ Rewards\ Fund - Initial\ Amount\ of\ Tokens\ in\ the\ Rewards\ Fund) \times 100] \div Initial\ Amount\ of\ Tokens\ in\ the\ Rewards\ Fund = Increased\ or\ Decreased\ Percentage\ of\ the\ Rewards\ Fund$

$[(3,506.8 - 3,500) \times 100] \div 3,500 = 0.19\%$

Which means, the Rewards Fund increased **0.19%** in this unrealistic scenario in which all holders spent all their maximum amount of gas during this day and none of them were directly registered users.

With the previous formulas, let's assume four different random scenarios in which holders spent 0.5%, 1%, 1.5% and 2% of their daily gas spend limit in EACH of these four scenarios:

For all scenarios the initial data is:

- Initial Amount of Tokens Held in Wallets: 3,500
- Initial Amount of Tokens in the Rewards Fund: 3,500
- Initial Amount of Tokens in the Pool: 1,500

	Scenario 1	Scenario 2	Scenario 3	Scenario 4
Tokens Bought	1,000	2,000	500	1,000
Tokens Sold	500	1,000	1,000	2,000
4% Fee	40	80	20	40
New Amount in Wallets	3,960	4,420	2,980	2,460
New Amount in Rewards Fund	3,540	3,580	3,520	3,540
Holders Spent 0.5% on average	+0.57% Increased "RF"	+1.65% Increased "RF"	+0.14% Increased "RF"	+0.79% Increased "RF"
Holders Spent 1% on average	+0.01% Increased "RF"	+1.02% Increased "RF"	-0.28% Decreased "RF"	+0.44% Increased "RF"
**Holders Spent 1.5% on average	-0.55% Decreased "RF"	+0.39% Increased "RF"	-0.70% Decreased "RF"	+0.08% Increased "RF"
**Holders Spent 2% on average	-1.12% Decreased "RF"	-0.24% Decreased "RF"	-1.13% Decreased "RF"	-0.26% Decreased "RF"

*"RF" = Rewards Fund.

**All Holders spending in average more than 1% (more than half of their daily limit) is unlikely and unrealistic. So the last two cells are still shown as example scenarios but highly unlikely to happen.

As can be seen from the previous scenarios and formulas, the system is highly sustainable, as the Rewards Fund is keeping the balance.





4. Features.

- 100% cashbacks: All gas fee spent can be claimed back as UNDG tokens, with a daily max cap of 2% of the total amount of UNDG held in the wallet.
- Dashboard: A dashboard will be implemented so the holders can keep track of all the information regarding the status of gas fees spent, rewards to be claimed, claim rewards button, referral link, rewards received from referred users, as well as other important real time data that users would like to check.
- Referral link: In order to push rapid adoption of the token, a referral link will be implemented which will provide 10% of the rewards their referred users claim.
- More features to be implemented: As the project continues having progress and development, new features that will benefit holders will be added.



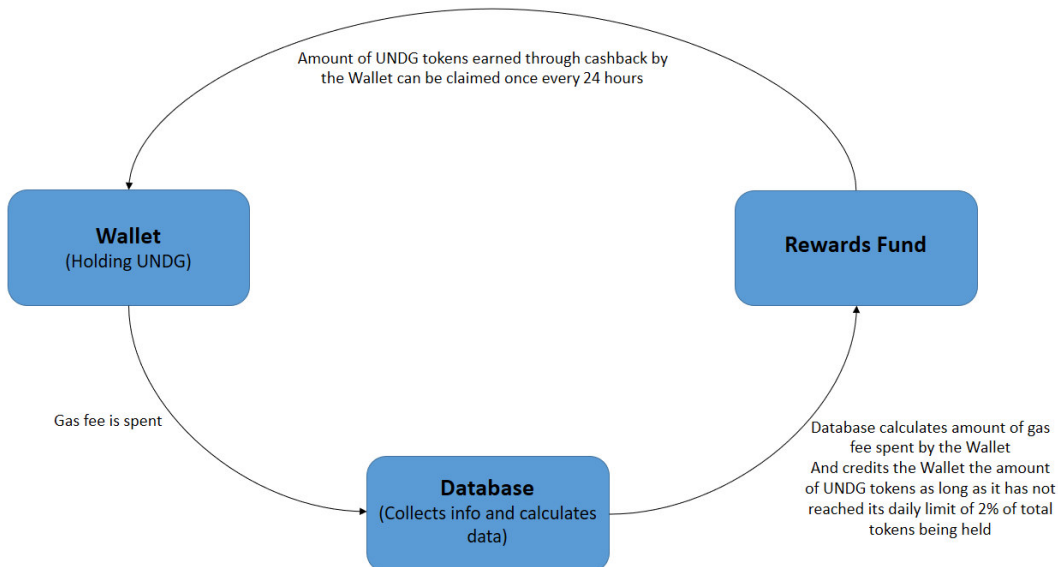


5. Utility of the Token and how it works.

In order to know how many UNDG tokens the Wallet will be rewarded (in UNDG tokens), a Database will store and collect information regarding how many UNDG tokens the Wallet has, calculate the amount of gas fee spent by the Wallet with a max daily spending cap of 2% of the tokens being held.



- Gas spent on the Wallet goes to the Database.
- Database checks how many UNDG tokens the Wallet is holding.
- Database calculates amount of UNDG the Wallet will be credited from that transaction.
- Max daily cap is 2% of the amount of tokens being held.

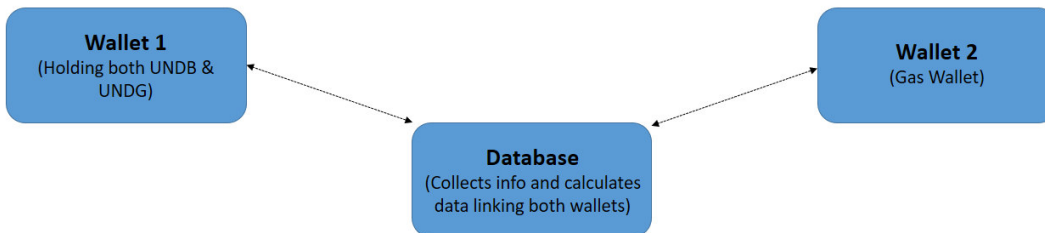




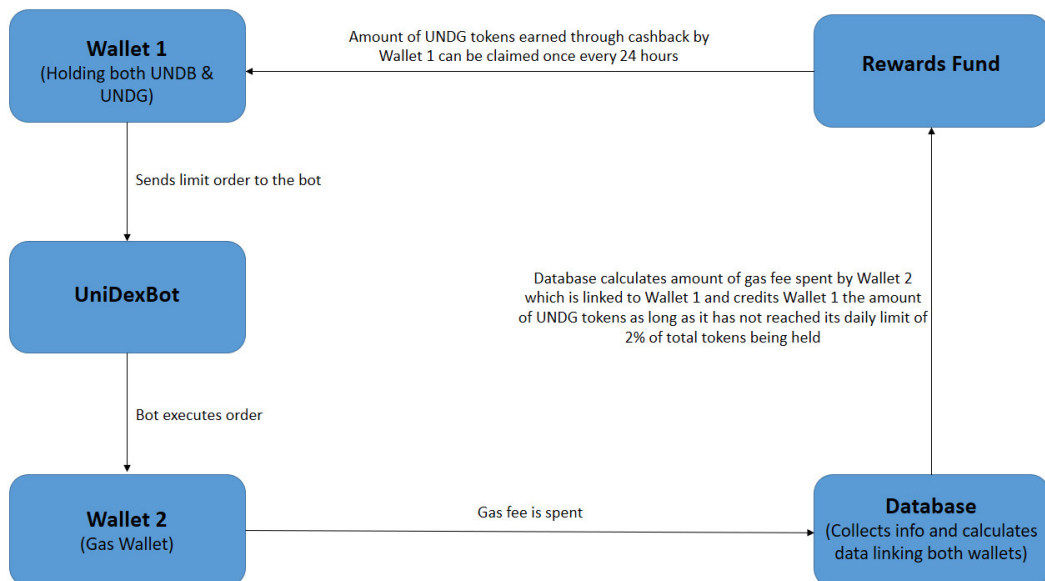
6. How does it work for UniDexBot.com users?

UniDexBot.com, our first project which is an automatic trading strategies tool built on top of Uniswap, has an user base of 700 traders since inception in the last 4 months. That is an established user base of 700 traders to the new UNDG token. **The Gas wallets in the UniDexBot App are from the side of UniDexBot.com.**

In order to know how many UNDG tokens Wallet 1 (the main wallet holding the tokens) will be rewarded (in UNDG tokens), a Database will link Wallet 1 and Wallet 2 (which is the gas wallet), to store and collect information regarding how many UNDG tokens Wallet 1 has, and therefore its max daily spending cap of 2% of the tokens being held, as well as calculate the amount of gas fee spent by Wallet 2.



- Gas spent on Wallet 2 goes to the Database.
- Database checks how many UNDG tokens Wallet 1 is holding.
- Database calculates amount of UNDG Wallet 1 will be credited from that transaction.
- Max daily cap is 2% of the amount of tokens being held.
- Gas spends from wallet 1 is also considered for UniDexBot.com license holders.





7. Advantages over the competition.

- We do not double tax the users when they claim. We tax 10% on claims and not 10 + 4%. The Rewards wallet is excluded from wallet to wallet transaction tax. The 10% tax is given to referrers (project partnerships) to increase adoption of the token and likely the holders benefit from the price appreciation.
- We do not have complex and confusing tiers and yet matching or performing better. Flat 2% cashbacks, no tiers. The cashbacks may be increased depending on the health of the Rewards Fund.
- Rewards distribution once every 24 hours.
- If price is stable, the investor gets his investment back in 50 days. If price doubles and consolidates, investment is recovered in 25 days.
- Team from an already proven project with an established user base of 700.
- Working product. Cashbacks kick in post Uniswap launch.





8. Conclusion

The benefits of this token can allow users to trade on decentralized exchanges in the ethereum network without worrying too much about gas fees because of the cashbacks UNDG token provides. The formulas and mathematical calculations developed for this token allows it to be sustainable in time and to become the most trustworthy and useful utility token when it comes to saving from the increasing ethereum gas fees.

