

YOUR STEP-BY-STEP GUIDE TO



Token Option One

Launch Method: Pre-Sale or Private Sale
Reflection Rewards: YES

TOKENSBYGEN.COM

INTRODUCTION

Welcome to TokensByGEN

TokensByGEN provides a fast, easy, and affordable way for anybody to create a token.

This document will guide you through the deployment of your token and give a detailed description of the functions that you have access to.

Your token has many unique features, so please read this guide very carefully. Some things may not work the way you expect them to.



LICENSE TERMS

SPDX-License-Identifier: Unlicensed

Your contract is deployed with the SPDX-License-Identifier: Unlicensed. This license is often misunderstood. It is not open source and the code can not be copied without permission.



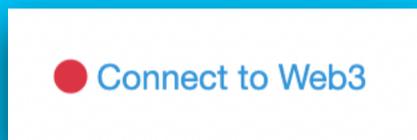
GENERATE TOKEN

Generate Your Token

Visit our website at <https://tokensbygen.com/> and click on the button to create your contract on BSCScan.

Log in to Web3 at BSCScan

Look for the wallet.



link on BSCScan, and connect your

If you do not have a wallet extension on your browser, we recommend MetaMask. To install the extension go to the MetaMask website at <https://metamask.io/> then follow [this guide](#) to connect to Binance.



GENERATE TOKEN

Choose How to Pay

```
CreateToken_PaymentOption
payableAmount (BNB)
```

Enter 0 or 1 into the form to select
Your preferred payment option

0 = Pay 0 BNB now. Your contract will have a 1% ongoing fee.

1 = Pay 1 BNB now. Your contract will have no ongoing fee.

Whichever option you choose, you will also need to pay the deployment gas fee and have a minimum of 1 BNB for your initial liquidity.

1% Fee Removal Option

If you choose to pay 0 BNB now, and have the 1% transaction fee in your contract, it is possible to remove this later for a cost of 2 BNB



GENERATE TOKEN

Enter Your Contract Details

Enter the details for your token. The Owner Wallet Address will be used as the owner, the token fee wallet, the BNB fee wallet, and the Liquidity Token collection wallet. These can be changed after deploying.

Discount_Code (address)

If you have been given a Discount Code, enter it here to receive 10% discount. This discount will be applied to whichever payment option you have selected.

If you have chosen to pay the 1 BNB up front, the 10% discount is sent back to the owner wallet when the contract is deployed. If you have chosen to pay the 1% ongoing fee within the contract, 10% of the fee is re-directed to the BNB wallet.

If you have not been given a discount code you still need to enter a value to be able to create your token. The value must be a valid BSC wallet address, so if you have not been given a code to use, you can add the owner wallet address here.



GENERATE TOKEN

Get Your Contract Address 1 of 2

Once you have confirmed the transaction, click on the blue button to view your transaction.

Depending on traffic, it can take some time for your transaction to write to the blockchain. Just wait. Periodically refresh the page until you see a screen similar to the following.

Success

16456755 3 Block Confirmations

🕒 25 secs ago (Mar-28-2022 04:02:57 PM +UTC)

0xd05895edf847e1712721cc9e0427aa26289a6bc5

🔍 Contract 0xf4e2429f97b637216f5cba531811baf61cc8e1cf

▶ **From** Null Address: 0x00... **To** 0xd05895edf847e... **For** 1,000,000 TEST_TOKEN (TEST)

0 BNB (\$0.00)

0.030959445 BNB (\$13.53)

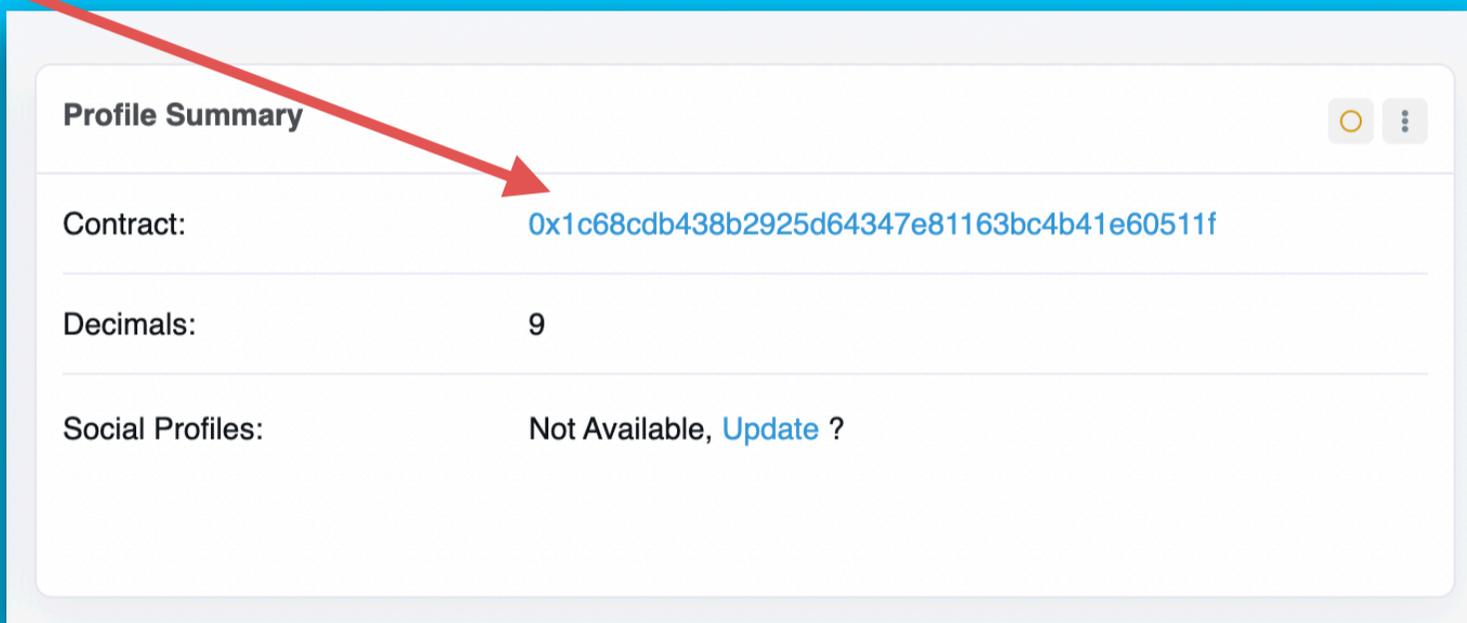
Click on the name of your Token, here



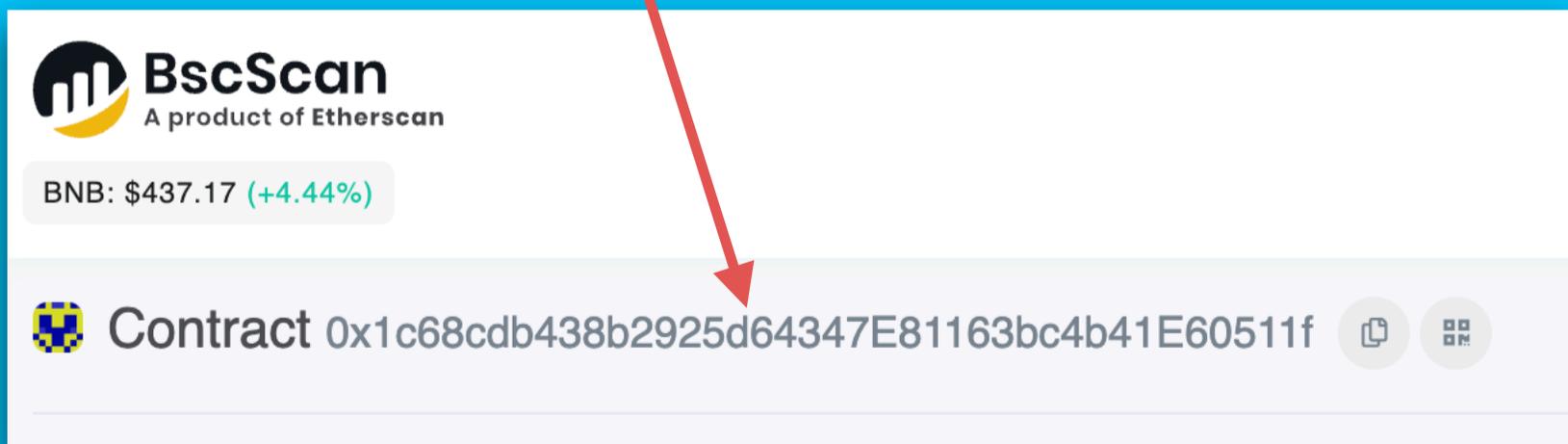
GENERATE TOKEN

Get Your Contract Address 2 of 2

You are now at your 'token' page, but we need to go to your 'address' page. To access this, in the profile summary, click on this link



This will take you to the 'address' page for your token. Be sure to copy and paste your contract address to a safe place!





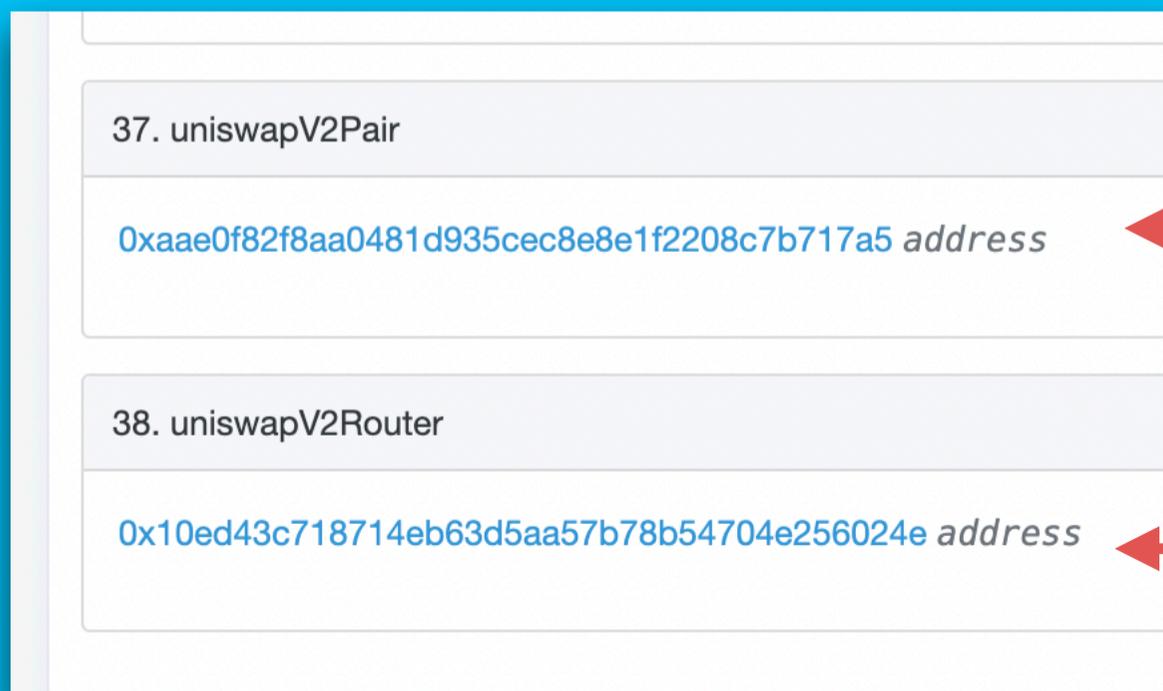
GENERATE TOKEN

Save Your “Cake_LP” Address

From the ‘address’ page, scroll down and click on ‘Contract’ then click on the ‘Read Contract’ button. **If the contract functions are not showing as expected, see page 35 of this guide.**

Scroll all the way to the bottom of the page. Number 37, uniswapV2Pair, shows the address of your Cake_LP tokens. These represent your liquidity pairing with BNB. These tokens do not exist yet, but PancakeSwap will create them when you add liquidity.

You need to save this address as you will need it when you lock your liquidity.



This is your
“Cake_LP”
Address!

NOT this one!

ADD TO WALLET

Adding Your Token to Your Wallet

Your token has been deployed directly to your owner wallet, but you may need to add it manually to see it.

Click on your MetaMask Wallet extension, select 'Assets' and scroll to the bottom. Click on 'Import tokens' and paste in the contract address for your token.

MetaMask will automatically fill in the rest of the details.



DEPLOYMENT GUIDE

Token Deployment Overview

These are the basic steps required to deploy your token. Each function is explained in more detail later in the guide Read the complete guide BEFORE you start deploying your token.

1. Chose if you contract will be deflationary (function 1)
2. Grant the pre-sale wallet special privileges (function 2)

**FOLLOW PRE-SALE WEBSITE INSTRUCTIONS
THEN WAIT FOR THE PRE-SALE TO END**

3. Set the fees (functions 3 and 4)
4. Set the wallet and transaction limits (function 5)
5. Update your project wallets (function 6)

**FINALISE THE PRE-SALE
(PRE-SALE COMPANY WILL ADD LIQUIDITY)**

LOCK LIQUIDITY (PRE-SALE COMPANY MAY DO THIS)

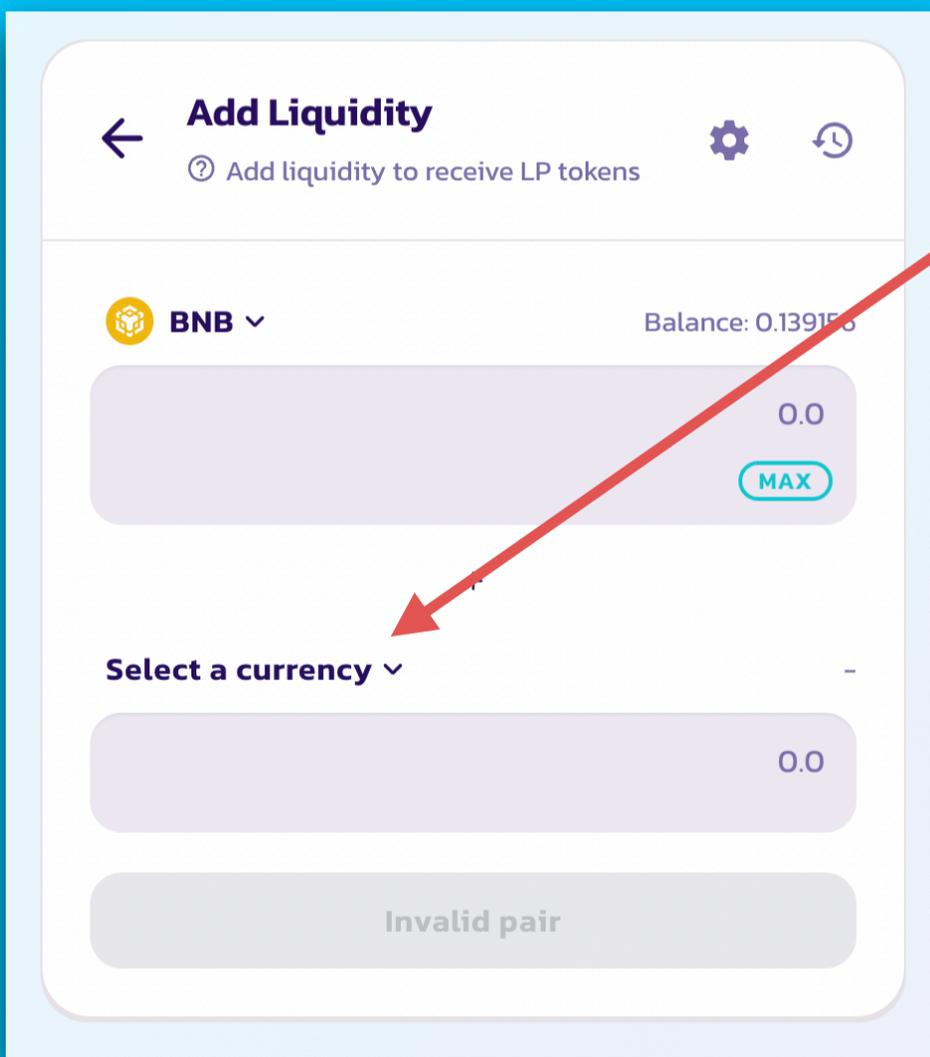
6. If applicable, Whitelist Private Sale Wallets (function 7)
7. Update project links and LP lock URL (function 8)
8. Open Trade (functions 9)

ADDING LIQUIDITY

Manually Adding Liquidity - 1 of 2

The pre-sale company should add your liquidity for you, but if you need to add it manually, follow these steps.

To add your liquidity go to <https://pancakeswap.finance/add/BNB>



Connect your wallet to Pancake Swap, then click on 'Select a currency' and paste your contract address into the form.

It could take a very long time for PancakeSwap to find your token. You may need to refresh your browser, or try a different browser.

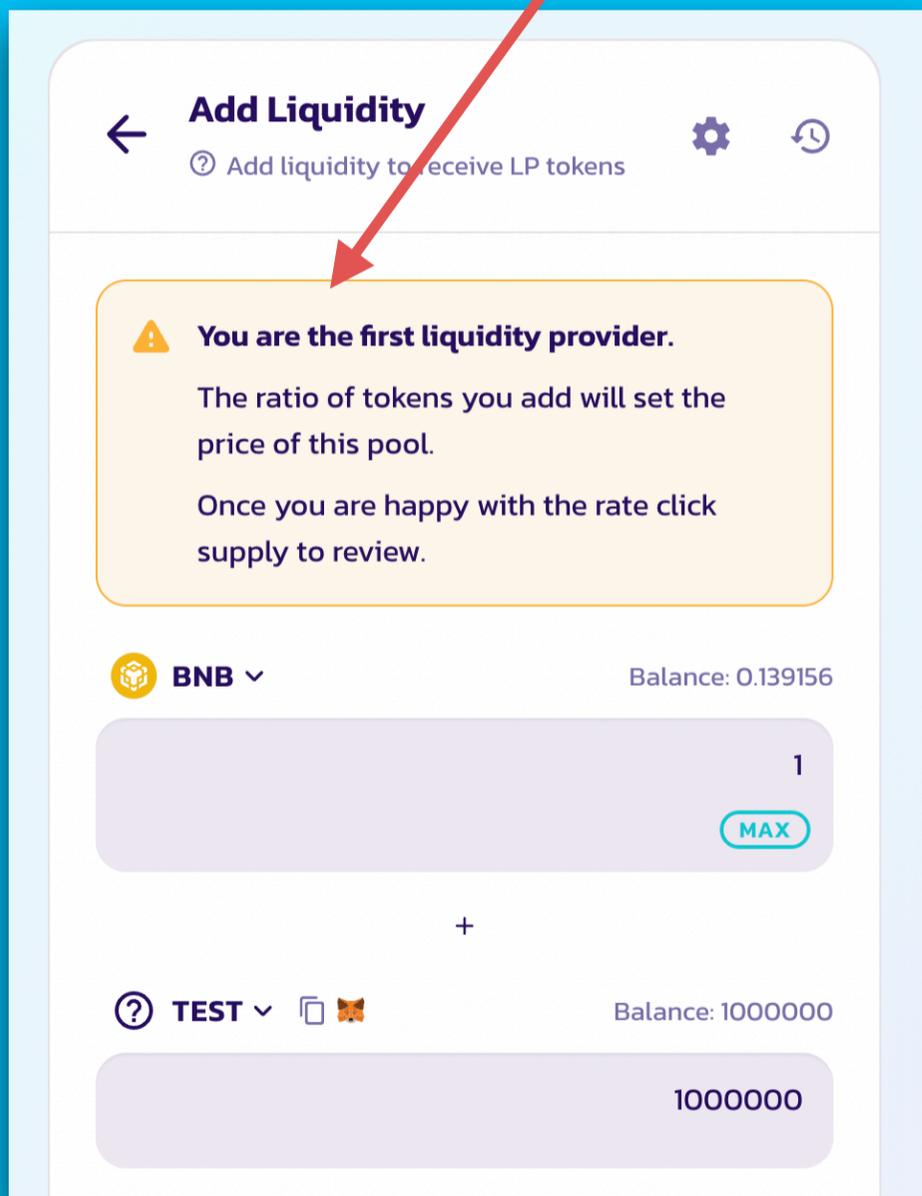
Sometimes this can take several hours!

12

GEN ADDING LIQUIDITY

Adding Liquidity - 2 of 2

When PancakeSwap finds your token, add it and confirm. On the next screen, wait for this yellow box, otherwise you will need to start over.



Add Liquidity
Add liquidity to receive LP tokens

⚠ You are the first liquidity provider.
The ratio of tokens you add will set the price of this pool.
Once you are happy with the rate click supply to review.

BNB Balance: 0.139156
1
MAX

+

TEST Balance: 1000000
1000000

Add your BNB and your Tokens. This will set the start price of your token.

How many tokens you add will depend on your project. Some people keep tokens back to airdrop to team members, or to fund a utility etc.

Click on the Enable button, then wait until the Supply button appears. Click on Supply to add your liquidity.



TOKEN FUNCTIONS

Description of Token Functions

To access the functions on your contract go to your contract address page on BSCScan, click on 'Contract' and then 'Write Contract'.

Log into Web3 with your owner wallet.

Direct link (Replace XXXX with your contract address)

<https://bscscan.com/address/XXXX#writeContract>

When entering a value of true or false for a function you must type the full word in lowercase. In many computer languages you can use 0 for false and 1 for true. This is not the case for Solidity.

Capitalising the first letter of 'False' will be recognised as a true value. Always use lowercase and enter either true or false as desired.



TOKEN FUNCTIONS

1. Deploy_1__Deflationary_Burn

By default (on all contracts, including this one when this function is set to false) when you ‘burn’ tokens they are not removed from the total supply. They are simply added to the burn wallet.

Tokens in the burn wallet can never be removed, but they do not change anything on your contract. Tokens in the burn wallet do not increase the value of other tokens. Contrary to popular belief, tokens in the burn wallet are exactly the same as tokens in any other wallet.

If, when you send tokens to the burn wallet, you’d like them to be removed from your total supply (making your token deflationary) set this function to true.

When this function is set as true, if anybody sends tokens to the burn wallet, they are removed from the sender and removed from total supply. They will not be added to the burn wallet address. (Doing this would cause the total of all holders to be greater than the total supply, which would cause problems!)

Default is false, set as true if you want your burn to be deflationary.



TOKEN FUNCTIONS

2. Deploy_2__PreSale_Wallet

If you are doing a pre-sale, the pre-sale company will give you an address to “White List”. Enter that address here to grant it special privileges.

This function excludes the pre-sale address from limits and fees, and grants it pre-launch access. This means that it is able to distribute tokens before trade is opened.



TOKEN FUNCTIONS

3. Deploy_3__Fees_on_Buy

4. Deploy_4__Fees_on_Sell

By default, your token will deploy with all fees set to 0%. Before you open trade, you need to set your fees for buys and sells. There is no fee on wallet to wallet transfers. If you did not pay for your contract upfront, then your contract will also have an ongoing 1% transaction fee (This can be removed at any time for 2 BNB).

To protect your buyers, your fees are limited to a maximum of 20%

The Burn fee is deflationary. Regardless of your deflationary setting on function 1, if you set a burn fee then these tokens will be removed from the total supply and not added to the burn wallet.

BNB_on_Buy/Sell will send BNB to an external wallet, most commonly used for marketing.

Tokens_on_Buy/Sell works in the same way, but sends the native token. This is useful for promotions, team tokens, or funding a staking pool.



TOKEN FUNCTIONS

5. Deploy_5__Wallet_Limits

Here you can set the maximum number of tokens permitted per transaction (buy, sells and wallet to wallet transfers) and the maximum permitted tokens that one wallet can hold.

Your contract deploys with all limits set to the total supply (in other words, no limits at all!) this is required if doing a pre-sale.

To update the transaction and max holding limits, enter the exact number of tokens you'd like as your limit. For example, if your contract has a total supply of 1,000,000 tokens and you want to limit people to 2% of this, then enter 20000.

To protect buyers, both limits must be at least 0.1% of total supply. So if your total supply is 1,000,000 tokens, the minimum possible limit is 1,000. This prevents the function being abused to pause trade.



TOKEN FUNCTIONS

6. Deploy_6__Set_Wallets

When you deploy, all wallets are set to the owner wallet, but you can update them here. The contract requires 4 wallets.

1. The Owner Wallet - Used to deploy and access functions.
2. Token_Fee_Wallet - If you set a Token Fee, tokens will be sent to this wallet on every transaction.
3. BNB_Fee_Wallet - This is most commonly used for marketing. When fees are processed, tokens are swapped to BNB and sent to this wallet.
4. Liquidity Collection Wallet - If you set a liquidity fee, every time the contract processes fees if adds more liquidity. Each time this happens, PancakeSwap mint more Cake LP tokens and sends them to this wallet. These will need to be locked periodically.

You don't need to update the wallets, you can keep them all as the owner wallet if you prefer.



TOKEN FUNCTIONS

7. Deploy_7__Private_Sale_Whitelist

By default, before you open trade, the owner wallet is the only wallet that can interact with your token.

If you want to do a private sale, you can whitelist wallet addresses to grant them access before opening trade.

You can add multiple wallets at the same time by comma separating them (with no spaces).

Setting the bool as true will grant the wallets white list status (able to buy before trade is open). Setting the bool as false will revoke this access.



TOKEN FUNCTIONS

8. Deploy_8__Update_Socials

Add you social links and liquidity locker URL here. This will help people to find your project.

If you update one address, you must re-enter the others.

Be sure to include the full URL as many token tools can detect this and will display a link next to your token listing.



TOKEN FUNCTIONS

9. Deploy_9__OpenTrade

Click this button to open trade.

To protect your buyers, this is a one-way switch. Once trade is open, it can not be closed. You can not 'pause' the contract.

Do not open trade until after the contract fees and limits have been set and liquidity has been added.



TOKEN FUNCTIONS

10. Owner_Lock_Functions

The ownership of this contract can not be renounced as this would create a potential exploit (This is due to wallet to wallet transfers having no fee).

For this reason, you can never fully renounce the contract. But you can permanently lock other functions.

Click on this button to activate the lock. This can not undone... and is not recommended!

For more details, see the comments in the contract code from line 493.

11. Owner_Transfer_Ownership

If you'd like to transfer ownership to another wallet, enter it here.



TOKEN FUNCTIONS

12. Processing_Process_Now

This function can be used to manually process a percentage of the tokens that have accumulated on the contract from fees.

It will send that amount of tokens into the 'swap and liquify' function, which will process them into liquidity and marketing etc. based on your contract fees.

This process requires the contract to swap tokens for BNB so it will show as a sell on the chart.



TOKEN FUNCTIONS

13. Processing_Remove_Random_Tokens

Sometimes, people send tokens to your contract by mistake. If this happens you can use this function to remove them.

Enter the address of the token in the first field and the percentage of tokens you'd like to remove in the second.

Usually, you will enter 100 for the percentage of tokens to remove, but if there are more tokens on your contract than the maximum transaction limit for that token you will have to remove them in stages.

The tokens will be sent to your wallet and you can then return them to the person that sent them if applicable.

To protect your investors, you can not remove the native token using this function.



TOKEN FUNCTIONS

14. Processing_SwapAndLiquify_Enabled

If set as true, the contract will automatically process the accumulated fees based on the swap trigger settings.

If set to false the contract will not process fees. Fees will still be taken and they will accumulate on the contract until processed manually or Swap_Enabled is set back to true.

When your contract is deployed, this is set to false, but it will automatically update to true when you open trade. (It needs to be false during a pre-sale).



TOKEN FUNCTIONS

15. Processing_Trigger_Count

Set the required number of transactions before the contract will process the accumulated fees.

For more details see the comments in the contract code from line 814.



TOKEN FUNCTIONS

16. Remove_Contract_Fee

If you chose to pay nothing up front for your contract then it will have a 1% ongoing transaction fee. This can be removed at any time for 2 BNB.

To do this enter a number 2 into this function.



TOKEN FUNCTIONS

17. Rewards_Exclude_Wallet

Enter a wallet address here to exclude that wallet from receiving the reflections reward.

WARNING: Excluded wallets are added to an array that the contract must loop through. If you add too many wallets there will not be enough gas for the loop. Keep this to a minimum! Only add the address of token lockers and new liquidity pairs. The burn address and BNB liquidity pair are already added by default.

18. Rewards_Include_Wallet

If you have previously excluded a wallet from the reflection rewards, you can add the wallet address here to re-include the wallet so that it receives reflection rewards again.



TOKEN FUNCTIONS

19. Wallet_Settings_Exclude_From_Fees

Enter a wallet address and type true or false.

Setting a wallet to true will allow it to buy and sell tokens without paying a transaction fee. The default is false. By default, all wallets must pay a fee when buying or selling.

There is no fee to transfer tokens between wallets.

The Owner wallet is set to true by default, so there is no fee when buying or selling tokens using the owner wallet.



TOKEN FUNCTIONS

20. Wallet_Settings_Exempt_From_Limits

Enter a wallet address and type true or false.

Setting a wallet to true will allow it to buy, sell, transfer, or hold tokens without limits. The default is false. By default, all wallets are restricted by transaction and holding limits.

The following addresses are set to true by default, do not change these as it could break your contract.

- The Owner Wallet
- The BNB liquidity pair address
- The Contract Address
- The Burn Wallet
- The Token Wallet



TOKEN FUNCTIONS

21. Wallet_Settings_Grant_PreLaunch_Access

If set to true, a wallet can buy, sell, and transfer tokens before trade is opened.

The owner wallet is set to true by default. All other wallets are set to false and can not buy, sell, nor transfer tokens until trade is opened.

This mapping allows you to airdrop tokens without worrying that somebody might add liquidity and set the price of your token before you do.



TOKEN FUNCTIONS

22. `Wallet_Settings_Set_As_Liquidity_Pair`

This mapping is used to tell the contract that an address represents a liquidity pair.

When your contract was deployed, the initial liquidity pair was created with BNB. This address is set to true by default. All other addresses are set as false.

If you add a new liquidity pairing in the future then you must add the address of the pair here and set it as true.

Anybody can create a new liquidity pair on any token. It would be very unusual for somebody to do this, but if it happens, you'll see the new pair listed on the info section for your token in PooCoin. You'll need to set this address as a Liquidity Pair so that the contract knows to charge a fee when tokens move to (a sell) or from (a buy) this address.

This function is not found on other contracts, it is required to make wallet to wallet transfers without a fee possible.



TOKEN FUNCTIONS

Default Functions

The remaining functions are default functions that are required to comply with ERC20/BEP20 token standards. You will not need to use these.



TROUBLESHOOTING

Read or Write Contract Page Missing

When you arrive at your contract page on BSCScan, you may see the following errors (or a blank page). You need to wait, and refresh the page. It'll usually fix itself in less than 30 minutes, but I have seen this problem persist for 2 days before. Please do not contact support about this error, the only way to fix it is to wait.

The screenshot shows the BSCScan interface with tabs for Transactions, Contract (selected with a green checkmark), Events, Analytics, and Comments. Below the tabs are three buttons: Code, Read Contract, and Write Contract. The Read Contract button is highlighted in dark grey. Below the buttons, a message reads: "Sorry, there are no available Contract ABI methods to read. Unable to read contract info."

The screenshot shows the BSCScan interface with tabs for Transactions, Contract, Events, Analytics, and Comments. Below the tabs are three buttons: Code, Read Contract, and Write Contract. The Write Contract button is highlighted in dark grey. Below the buttons, a yellow message box contains the text: "Sorry, we were unable to locate a matching Contract ABI or SourceCode for this contract. If you are the contract owner, please [Verify Your Contract Source Code](#) here."



TROUBLESHOOTING

PancakeSwap Can't Find My Token

There is not much that you can do about this error. It's just one of those things that sometimes happens.

You can try to refresh your browser, or use a different browser, or just give it time and come back later.

I've had this happen on a few occasions. Once, PancakeSwap wouldn't find the token in Chrome no matter what I tried, but when I switched to FireFox it found it instantly.

Manually adding the token to your wallet sometimes helps. Although, I believe that when you stumble upon a solution it's more than likely just a coincidence.

Remember that the blockchain is not like running software on your computer. Transactions need to be mined and sometimes things just seem to go wrong for no reason.

Usually, waiting (on rare occasions for a day or more!) is the only thing that fixes an unexpected error.



TROUBLESHOOTING

No Trade Button on Poocoin

Check that your trade is open. Even if you have opened trade, double check it, just in case the transaction did not mine successfully. Go to the 'Read Contract' page on BSCScan and check that 3. TradeOpen is true. If it is not, go to the Write Contract page, log into web3 and click on function 7 to open trade.

PooCoin do a 0.01 BNB simulation. If your liquidity level or transaction limits prevent somebody from buying and selling 0.1 BNB worth of your token PooCoin will disable your trade button.

See the next page for solution option.

Contract Flags as a honeypot

First check that trade is open (see above)

The most common honeypot tool does a 0.1 BNB simulation. If your liquidity level or transaction limits prevent somebody from buying and selling 0.1 BNB worth of your token then it will flag as a honeypot.

See the next page for solution option.



TROUBLESHOOTING

Fix for No Trade Button and HoneyPot

If you increase your transaction limits to allow a person to buy and sell 0.1 BNB worth of your token then it will no longer flag as a honeypot. (Or 0.01BNB to get the poocoin trade button to work)

An alternative solution is to increase the price of your token by purchasing it.

As soon as the token price goes up to the point where it is possible for someone to buy 0.1 BNB worth of your token it will pass the honeypot test. (Or 0.01 BNB for poocoin trade button.

The main cause of this problem is not adding enough liquidity, and/or setting your transaction limits too low.



Increase Buyer Confidence with KYC

KYC stands for 'Know Your Customer'. When you complete a KYC audit, you must submit information about your team, including official photo ID and live video footage that proves who you are.

This information is kept on a secure offline drive.

If your project is ever involved in a scam, then the details collected during your KYC audit are released to any person that wishes to press charges against you.

This information is only made available upon satisfactory proof that your token has been involved in a scam.

A KYC audit is one of the most effective ways of increasing buyer confidence in your project.

If you complete our KYC audit, we will promote your token on our website and in our Telegram groups.



DISCLAIMER

Use at your own risk

We can accept no responsibility for tokens that are created at TokensByGEN. We do not have any control over who uses our tool and can not vouch for the safety of any token deployed via our website.

In addition, hackers are always looking for ways to exploit code. Some extremely robust and well established projects have been hacked in the past. We have all heard the horror stories of re-entrancy errors and flash loans that have been exploited for millions of dollars.

At the time of development, we have taken every precaution to ensure that TokensByGEN is safe, but in the event of a hack, we accept no responsibility for losses.