

# Buy Tokens Smart Contract Integration

## CONTRIBUTE TAB:

Remove the tab name as Swap and replace it with Contribute.

Purchase GOLDDUCK DAO Tokens

**Note: If CurrentSale =0 means sale is on Fixed/Base Price. If Current Sale=1 means then Sale is on Market Price.**

If Chain is BSC, then Enter BNB amount, ETH then Enter ETH Amount, Polygon, then Enter Matic

1. **Enter BNB Amount:** Under Write, call the function name 1. BUY, then enter the BNB amount like 0.1 BNB,  
ReferrerAddress: If isReferral = False, then enter zero address in the Referral Address.  
31.function has zeroaddress. [0x00](#)

If Referral = True, then take the userwallet address in the query string of URL , we construct querystring like this:

<https://goldentoken.com/buy/0xa73b92A156E8337F41d92723e8542B65240B38A9>

2. **To Receive:** This is non editable field. If CurrentSale=0, then call function 7. `getAmountOutForBasePrice`, If CurrentSale =1 then call function 8.`getAmountForMarketPrice`,

If you are calling `getAmountOutForBasePrice`, then pass the BNB amount that user enters in the first field in wei format, then it returns the number of tokens that user receives. It will show amountOut and discount in wei format. Please sum both of these values and display under To Receive . Example screenshot below.

7. getAmountOutForBasePrice

amount (uint256)

1278000000000000

Query

↳ amountOut *uint256*, discount *uint256*

[ getAmountOutForBasePrice method Response ]

>> amountOut *uint256* : 6390000000000000

>> discount *uint256* : 1278000000000000

If you are calling `getAmountOutForMarketPrice`, then pass the BNB amount that user enters in the first field in wei format, then it returns the number of tokens that user receives. It will show amountOut and discount in wei format. Please sum both of these values and display under To Receive .

3. In the box, under Enter BNB fields, display the below content.

Minimum Deposit: 0.1 BNB (If chain differs, display text accordingly)  
 Maximum Deposit: 5 BNB (If chain differs, display text accordingly)  
 Discount % - 10%  
 Tokens to Receive Instantly: 50000  
 Your Reserved Tokens: 5000

**MinimumDeposit** – Get form function 16, covert it in wei format and display

**MaximuDeposit** – Get from function 15, convert it weit and display

**Discount%** - Get it form function 4.currentDiscount. If discount is 0 then display N/A

**Tokens to Receive Instantly** - If currentSale =0 call `getAmountOutForBasePrice`, pass the contributed amount that user enters in the first field, it returns amoutOut in wei format, Covert it and display.

**Your Locked Tokens** - - If currentSale =1 call `getAmountOutForMarketPrice`, pass the contributed amount that user enters in the first field, it returns discount in wei format, Covert it and disply.

**Add the below text in the box:**

**\*Any Locked Tokens can be found under Reserved Tab**

## RESERVED TAB:

If No locked tokens in the Reserved Table, Display “No Tokens Reserved”

1. Pass the user wallet address at function 9.getUserAllLockTickets, This will return the list of tickets that are reserved.
2. Then go to function no 29: userLockInfo and pass the ticket one by one that you get at step1 to get the results of each ticket. Below is the info it returns that should be displayed in the table grid as columns.

[ userLockInfo method Response ]

**user address** : [0x36Ee7371c5D0FA379428321b9d531a1cf0a5cAE6](#)  
**sale uint8** : 0  
**lockedAmount uint256** : [9000000000000000](#)  
**lockedTime uint256** : 1654758398  
**claimTime uint256** : 0

Column1 : Sale Type - If sale =0, then Fixed Price, If Sale =1 then Market Price

Column2: Reserved Tokens : display Locked Amount. Convert in wei

Column3: Unlocked Date: Display the lockedTime in UTC date format.

**Claim All Unlocked:** when user clicks on this link, call multiclaim function under write.

**Claim:** if user clicks this link against each row, then call claim by passing the respective ticket number

## REFERRALS TAB:

If IsReferral =True and No Referral Info available, then display text as “No Referrals”

Function number 21 referral Commission, pass the user wallet address, it returns the following info.

[ referralCommission method Response ]

**bnbEarned uint256** : [5940000000000000](#)  
**tokenEarned uint256** : [1485000000000000](#)  
**totalReferrals uint256** : 2

If Is Referral = True, then generate the referral URL like below: User wallet address to be added in the URL.

<https://goldentoken.com/buy/0xa73b92A156E8337F41d92723e8542B65240B38A9>

Copy to Clipboard: When we click this button, the referral URL should be copied to clipboard