



## Approve the Redemption Contract for your DEL token balance Mist (Official Ethereum Wallet)

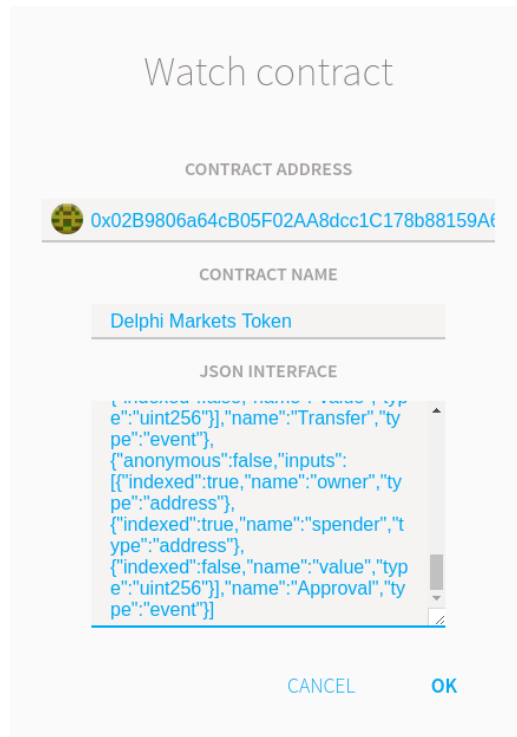
1. Select “Contracts” from the tabs at the top of the screen.
2. Scroll to the bottom and click “Watch Contract”
3. Enter the following values:

Contract Address: **0x02B9806a64cB05F02AA8dcc1C178b88159A61304**

Contract Name: **DelphiMarketsToken**

JSON Interface:

```
[{"constant":true,"inputs":[],"name":"name","outputs":[{"name":"","type":"string"}],"payable":false,"type":"function"}, {"constant":false,"inputs":[{"name":"_spender","type":"address"}, {"name":"_value","type":"uint256"}],"name":"approve","outputs": [{"name":"","type":"bool"}],"payable":false,"type":"function"}, {"constant":true,"inputs":[],"name":"totalSupply","outputs": [{"name":"","type":"uint256"}],"payable":false,"type":"function"}, {"constant":false,"inputs":[{"name":"_from","type":"address"}, {"name":"_to","type":"address"}, {"name":"_value","type":"uint256"}],"name":"transferFrom","outputs": [{"name":"","type":"bool"}],"payable":false,"type":"function"}, {"constant":true,"inputs":[],"name":"decimals","outputs": [{"name":"","type":"uint8"}],"payable":false,"type":"function"}, {"constant":true,"inputs":[],"name":"balanceOf","outputs":[{"name":"","type":"uint256"}],"payable":false,"type":"function"}, {"constant":true,"inputs":[],"name":"symbol","outputs":[{"name":"","type":"string"}],"payable":false,"type":"function"}, {"constant":false,"inputs":[{"name":"_to","type":"address"}, {"name":"_value","type":"uint256"}],"name":"transfer","outputs": [{"name":"","type":"bool"}],"payable":false,"type":"function"}, {"constant":true,"inputs":[{"name":"_owner","type":"address"}, {"name":"_spender","type":"address"}],"name":"allowance","outputs":[{"name":"","type":"uint256"}],"payable":false,"type":"function"}, {"inputs":[],"payable":false,"type":"constructor"}, {"anonymous":false,"inputs":[{"indexed":true,"name":"from","type":"address"}, {"indexed":true,"name":"to","type":"address"}, {"indexed":false,"name":"value","type":"uint256"}],"name":"Transfer","type":"event"}, {"anonymous":false,"inputs":[{"indexed":true,"name":"owner","type":"address"}, {"indexed":true,"name":"spender","type":"address"}, {"indexed":false,"name":"value","type":"uint256"}],"name":"Approval","type":"event"}]
```

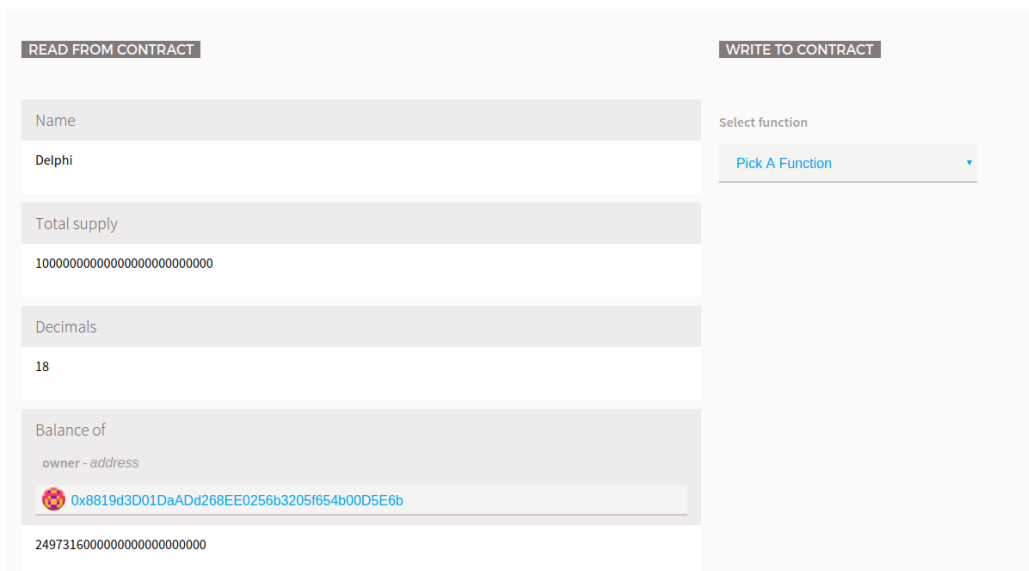


4. Click “OK”

5. Click the Contracts tab.

6. From the Custom Contracts section, choose the DelphiMarketsToken contract.

7. In the “Read from Contract” section of the page, find the “Balance of” query field, and enter your Ethereum address which has DEL tokens.



8. Copy the value that the query returns (in the example shown in the screenshot, this value is 2497316000000000000000000000). Save this aside somewhere, so that you can copy and paste it later.

9. From the “Write To Contract” section on the write, click the “Pick a Function” selection and choose **Approve**.

10. Enter the following values:

\_spender: **0x899F9a0440fACe1397A1eE1e3F6bF3580a6633d1**

\_value: (enter the **uint256** value that you copied above during Step 8)

The screenshot displays a web interface for interacting with a smart contract. It is divided into two main sections: 'READ FROM CONTRACT' on the left and 'WRITE TO CONTRACT' on the right.

**READ FROM CONTRACT Section:**

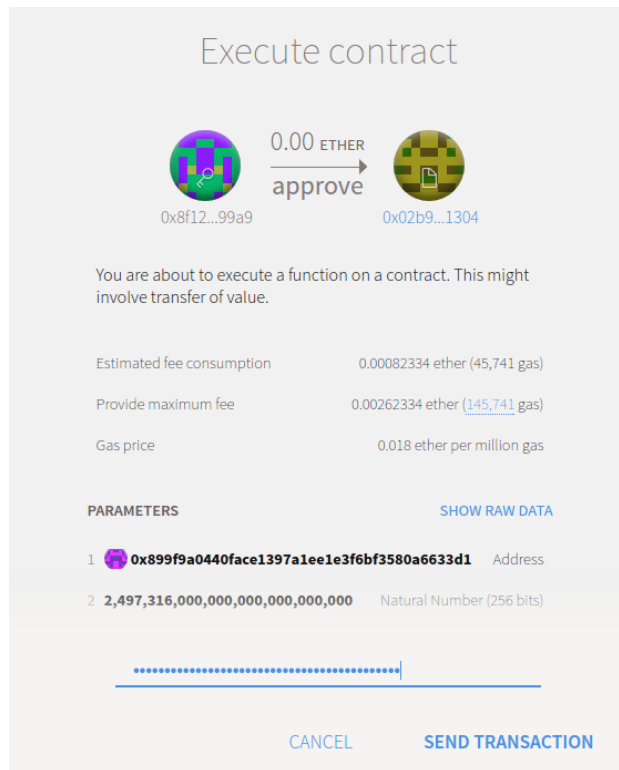
- Name:** Delphi
- Total supply:** 1000000000000000000000000000
- Decimals:** 18
- Balance of:**
  - owner - address: 0x8819d3D01DaADd268EE0256b3205f654b00D5E6b
  - Value: 2497316000000000000000000000
- Symbol:** DEL

**WRITE TO CONTRACT Section:**

- Select function:** Approve
- spender - address:** 0x899F9a0440fACe1397A1eE1e3F6bF3580a66
- value - 256 bits unsigned integer:** 2497316000000000000000000000
- Execute from:** TokenBaseMultisig - 0.00 ETH
- Send ETH:** 0
- EXECUTE** button

11. Make sure that the “Execute from” value is set to your Ethereum wallet address that has the tokens, and click “Execute”

12. In the Execute Contract dialog that appears, enter the address password and click “Send Transaction”:



The image shows a dialog box titled "Execute contract". At the top, it displays a transaction flow: a green and purple icon representing a contract (address 0x8f12...99a9) sends 0.00 ETHER to a green and yellow icon representing a contract (address 0x02b9...1304) with the function name "approve". Below this, a warning message states: "You are about to execute a function on a contract. This might involve transfer of value." A table of transaction details follows: Estimated fee consumption is 0.00082334 ether (45,741 gas); Provide maximum fee is 0.00262334 ether (145,741 gas); Gas price is 0.018 ether per million gas. A "PARAMETERS" section lists two items: 1. Address: 0x899f9a0440face1397a1ee1e3f6bf3580a6633d1; 2. Natural Number (256 bits): 2,497,316,000,000,000,000,000,000. At the bottom, there is a password input field (represented by dots) and two buttons: "CANCEL" and "SEND TRANSACTION".

Execute contract

0.00 ETHER  
approve

0x8f12...99a9 0x02b9...1304

You are about to execute a function on a contract. This might involve transfer of value.

Estimated fee consumption	0.00082334 ether (45,741 gas)
Provide maximum fee	0.00262334 ether (145,741 gas)
Gas price	0.018 ether per million gas

PARAMETERS [SHOW RAW DATA](#)

- 1 **0x899f9a0440face1397a1ee1e3f6bf3580a6633d1** Address
- 2 **2,497,316,000,000,000,000,000,000** Natural Number (256 bits)

.....|

CANCEL SEND TRANSACTION

## Redeem ETH (Mist)

1. Select “Contracts” from the tabs at the top of the screen.
2. From the Custom Contracts section, click “Watch Contract”
3. Enter the following values:

Contract Address: **0x899F9a0440fACe1397A1eE1e3F6bF3580a6633d1**


Contract Name: **RedemptionContract**

JSON Interface:

```
{
  "constant": true,
  "inputs": [],
  "name": "funder",
  "outputs": [
    {
      "name": "",
      "type": "address"
    },
    {
      "name": "exchangeRate",
      "outputs": [
        {
          "name": "",
          "type": "uint256"
        }
      ],
      "payable": false,
      "type": "function"
    },
    {
      "constant": false,
      "inputs": [
        {
          "name": "amount",
          "type": "uint256"
        }
      ],
      "name": "redeemTokens",
      "outputs": [
        {
          "name": "token",
          "outputs": [
            {
              "name": "",
              "type": "address"
            }
          ],
          "payable": false,
          "type": "function"
        },
        {
          "name": "_exchangeRate",
          "type": "uint256"
        }
      ],
      "payable": true,
      "type": "fallback"
    },
    {
      "anonymous": false,
      "inputs": [
        {
          "indexed": false,
          "name": "redeemer",
          "type": "address"
        },
        {
          "indexed": false,
          "name": "tokensDeposited",
          "type": "uint256"
        },
        {
          "indexed": false,
          "name": "redemptionAmount",
          "type": "uint256"
        }
      ],
      "name": "Redemption",
      "type": "event"
    }
  ]
}
```

Watch contract

CONTRACT ADDRESS

 0x899F9a0440fACe1397A1eE1e3F6bF3580a66

CONTRACT NAME

RedemptionContract

JSON INTERFACE

```
{
  "constant": true,
  "inputs": [],
  "name": "funder",
  "outputs": [
    {
      "name": "",
      "type": "address"
    },
    {
      "name": "exchangeRate",
      "outputs": [
        {
          "name": "",
          "type": "uint256"
        }
      ],
      "payable": false,
      "type": "function"
    },
    {
      "constant": false,
      "inputs": [
        {
          "name": "amount",
          "type": "uint256"
        }
      ],
      "name": "redeemTokens",
      "outputs": [
        {
          "name": "token",
          "outputs": [
            {
              "name": "",
              "type": "address"
            }
          ],
          "payable": false,
          "type": "function"
        },
        {
          "name": "_exchangeRate",
          "type": "uint256"
        }
      ],
      "payable": true,
      "type": "fallback"
    },
    {
      "anonymous": false,
      "inputs": [
        {
          "indexed": false,
          "name": "redeemer",
          "type": "address"
        },
        {
          "indexed": false,
          "name": "tokensDe
          posited",
          "type": "uint256"
        },
        {
          "indexed": false,
          "name": "redemptio
          nAmount",
          "type": "uint256"
        }
      ],
      "name": "Redemption",
      "type": "event"
    }
  ]
}
```

CANCEL OK

4. Click “OK”
5. From the Custom Contracts section, click the Redemption Contract which now appears.

6. From the “Write To Contract” section on the write, click the “Pick a Function” selection and choose **Redeem Tokens**.
7. For Amount, enter the **uint256** value that you copied earlier (from Step 8 of the *Approve the Redemption Contract for your DEL token balance* section of this guide).
8. Make sure that the “Execute from” value is set to your Ethereum wallet address that has the tokens, and click “Execute”
9. In the Execute Contract dialog that appears, enter the address password and click “Send Transaction”