

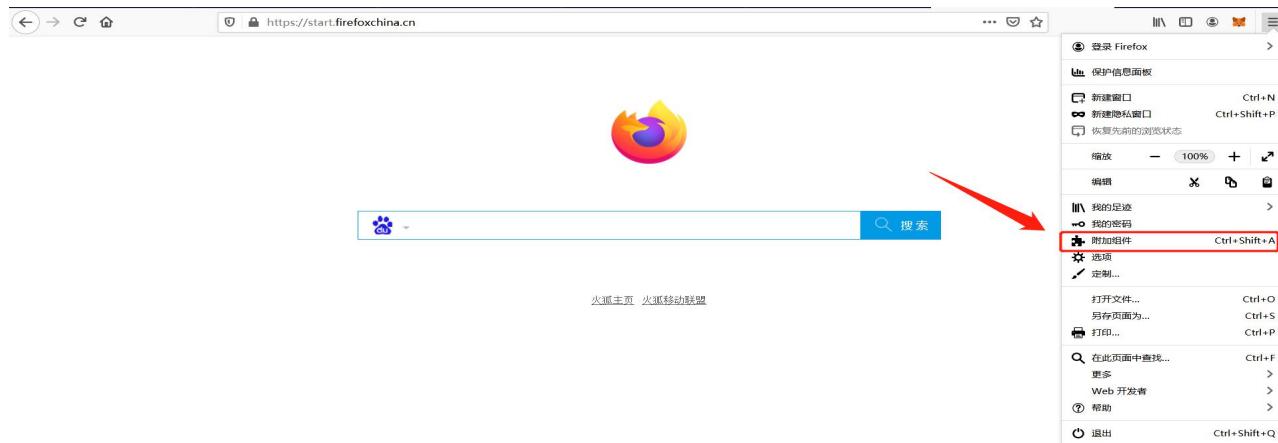
Opswap 测试网PC端使用教程

如何连接钱包?

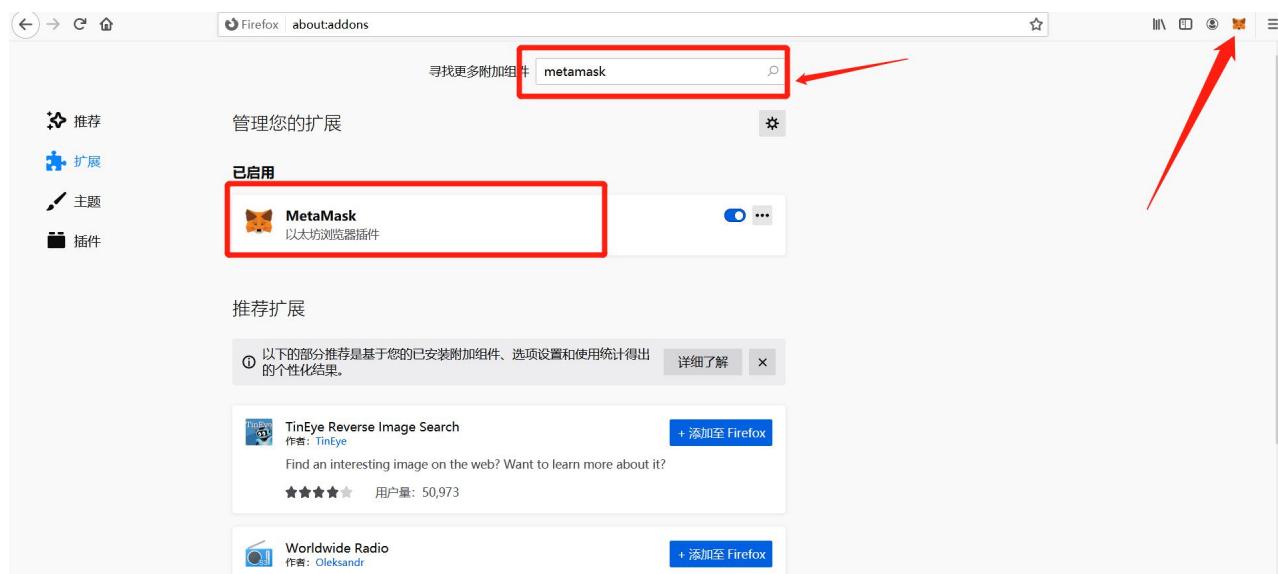
目前 Opswap 测试网版本仅支持 MetaMask 钱包, 请用户下载 MetaMask 钱包后进行设置
连接MetaMask下载地址: <https://metamask.io> (需科学上网)

PC客户端推荐使用Firefox浏览器下载地址: <http://www.firefox.com.cn>

1.Firefox浏览器下载 MetaMask 钱包插件, 打开火狐浏览器右上角三横按钮, 如下图所示找到附加组件, 点击直接搜索metamask即可进行安装。



安装完成后右上角会出现一个小狐狸图标三击小狐狸既可以调用metamask插件。



导入钱包助记词或者创建新的钱包既可进入到钱包。



2. 登陆官网opswap.io双击右上角MetaMask钱包将网络从主网切换至以太坊 arbitrum 测试网络，此时需要自定义RPC

This screenshot shows the opswap.io platform's Layer2 swap interface. In the top right corner, a MetaMask wallet icon is visible, indicating it's connected to the Arbitrum Testnet. A modal window titled '网络' (Network) is open, allowing users to edit RPC settings. The '新增 RPC URL' (Add New RPC URL) field contains the value 'https://rinkeby.arbitrum.io/rpc'. Other fields include '链 ID' (Chain ID) set to '421611', '符号' (Symbol) set to 'ETH', and '区块浏览器 URL' (Block Explorer URL) set to 'https://rinkeby-explorer.arbitrum.io/#/'. At the bottom of the modal are '取消' (Cancel) and '保存' (Save) buttons.

自定义PRC数据为

网络名称: Arbitrum Testnet

新增RPC URL: <https://rinkeby.arbitrum.io/rpc>

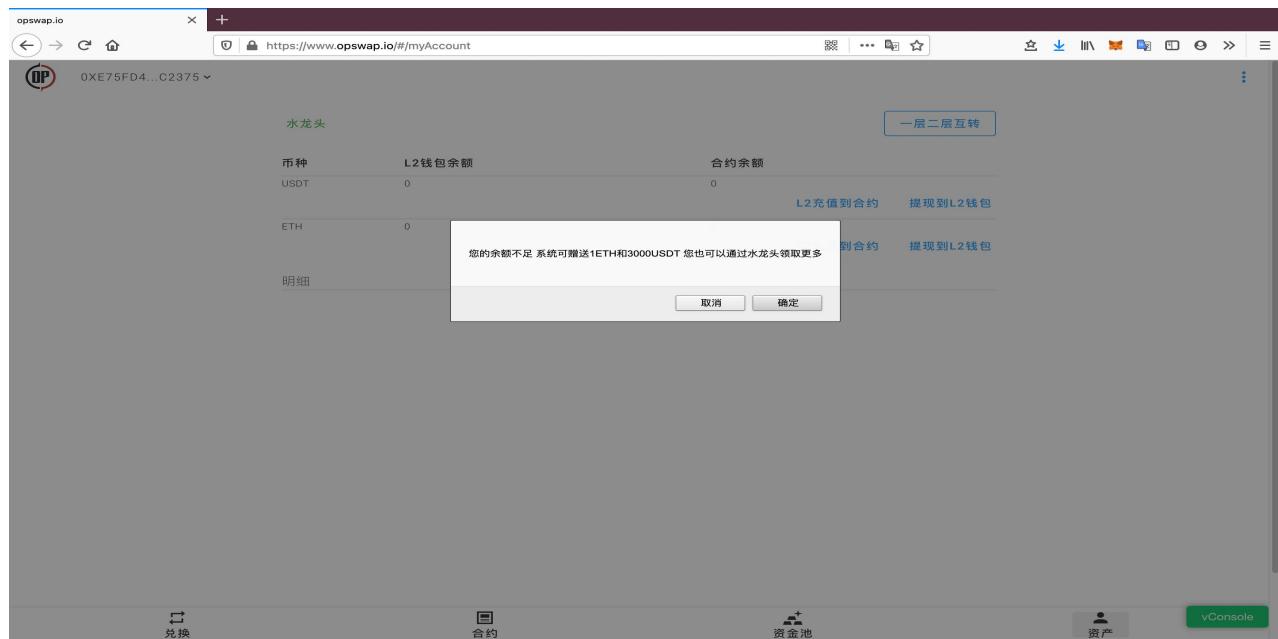
链ID: 421611

符号: ETH

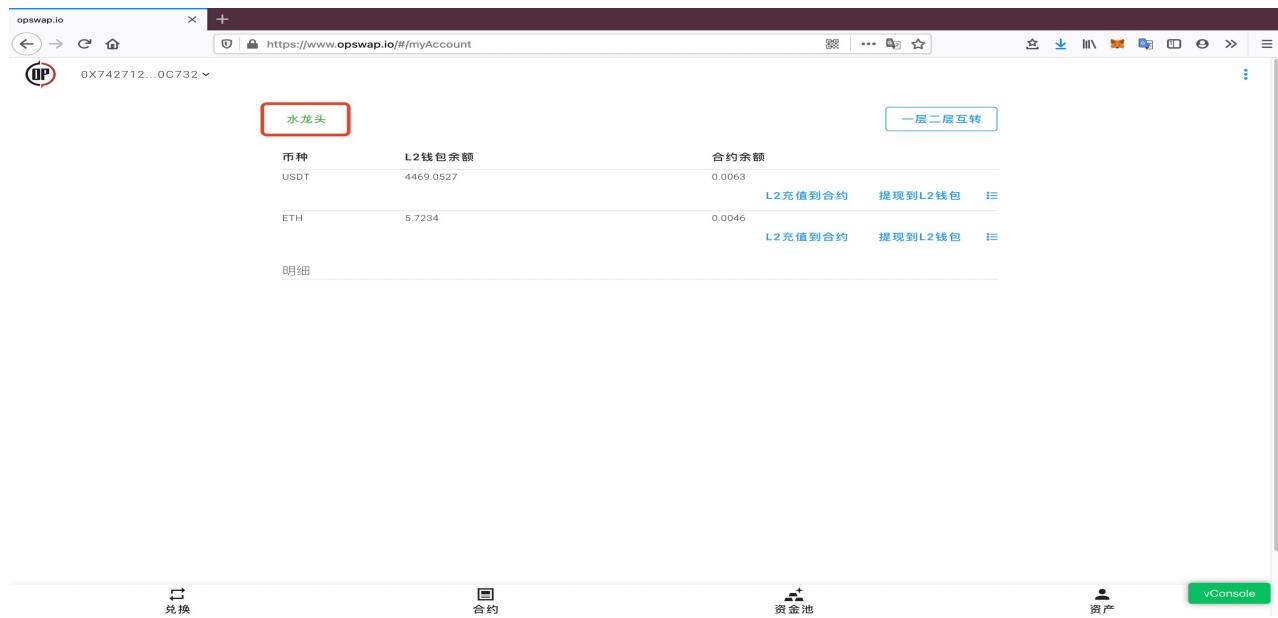
区块链浏览器 URL: <https://rinkeby-explorer.arbitrum.io/#/>

如何领取arbitrum 网络测试币?

1. 登陆opswap.io
2. 将会自动提示连接的 MetaMask 钱包地址，链接成功后点击“资产”会自动提示您的余额不足，系统可赠送测试币，点击“确定”测试币将会自动打入您的钱包账户。



3. 第二种方法可通过水龙头领取，一个钱包地址 24 小时内只能领取个 1ETH 和 3000 个测试币



领取测试币后用户可在资产界面查看到自己的余额，任意界面右上角三点可切换中英文和查看官方社区、代码提交、论坛等信息。

The screenshot shows a web browser window for opswap.io. The main content displays the user's account balance:

币种	L2钱包余额	合约余额
USDT	293.5037	0
ETH	1.5094	1.9995

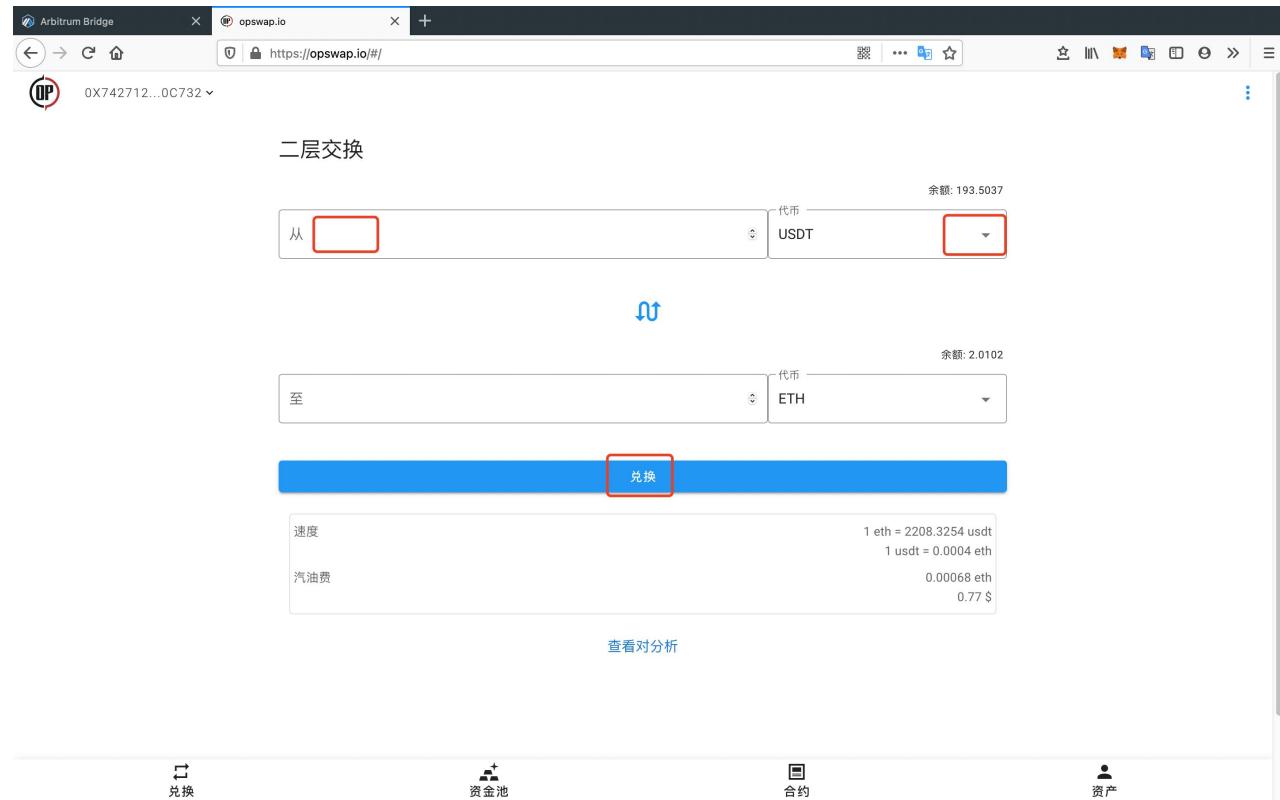
Below the table is a "明细" (Details) link. To the right of the table are two buttons: "L2充值到合约" (Top up L2 Contract) and "提现到L2钱包" (Withdraw to L2 Wallet). A red arrow points from the top right towards the three-dot menu icon in the top right corner of the browser window.

The three-dot menu icon is highlighted with a red box. A larger red box highlights the "English" link in the dropdown menu. The menu also includes links for "文档" (Documentation), "Github", "白皮书" (Whitepaper), "BUG提交" (Report Bug), "社区" (Community), "论坛" (Forum), and "发行代币" (Issue Token).

At the bottom of the page, there are navigation links: "兑换" (Swap), "资金池" (Liquidity Pool), "合约" (Contract), and "资产" (Assets).

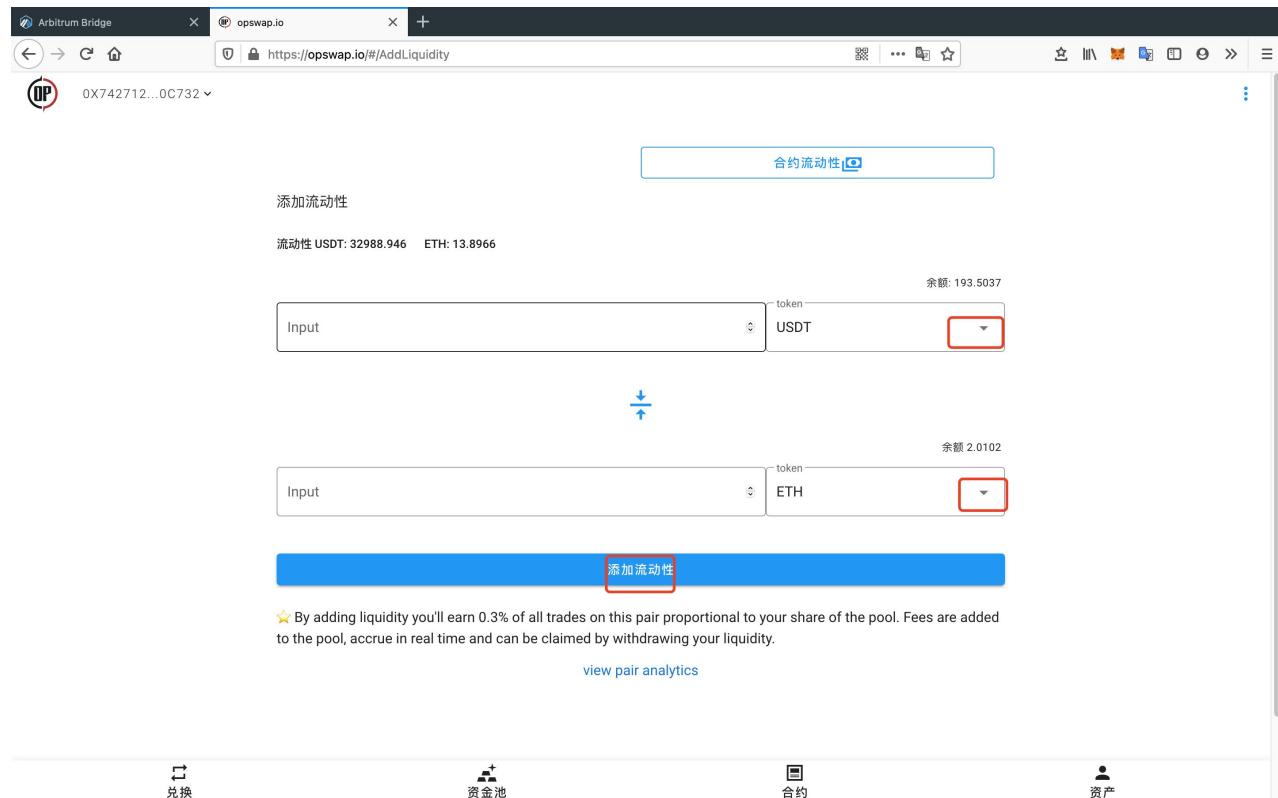
如何swap现货交易兑换?

下图右边箭头下拉选择自己要卖出币种，下方下拉箭头可选择自己要买入的币种，白色框内输入自己想要兑换的金额，点击蓝色按钮既可进行币种swap交易。



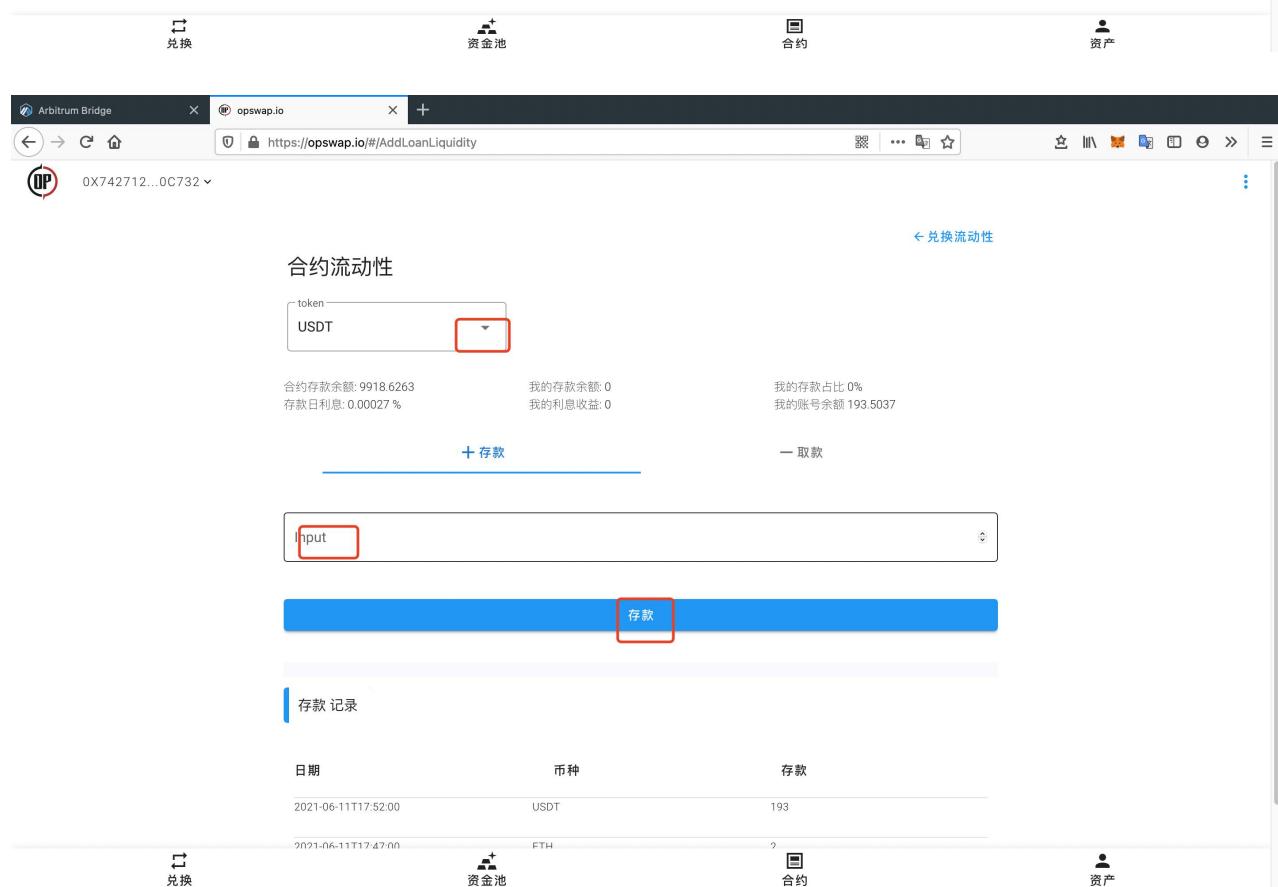
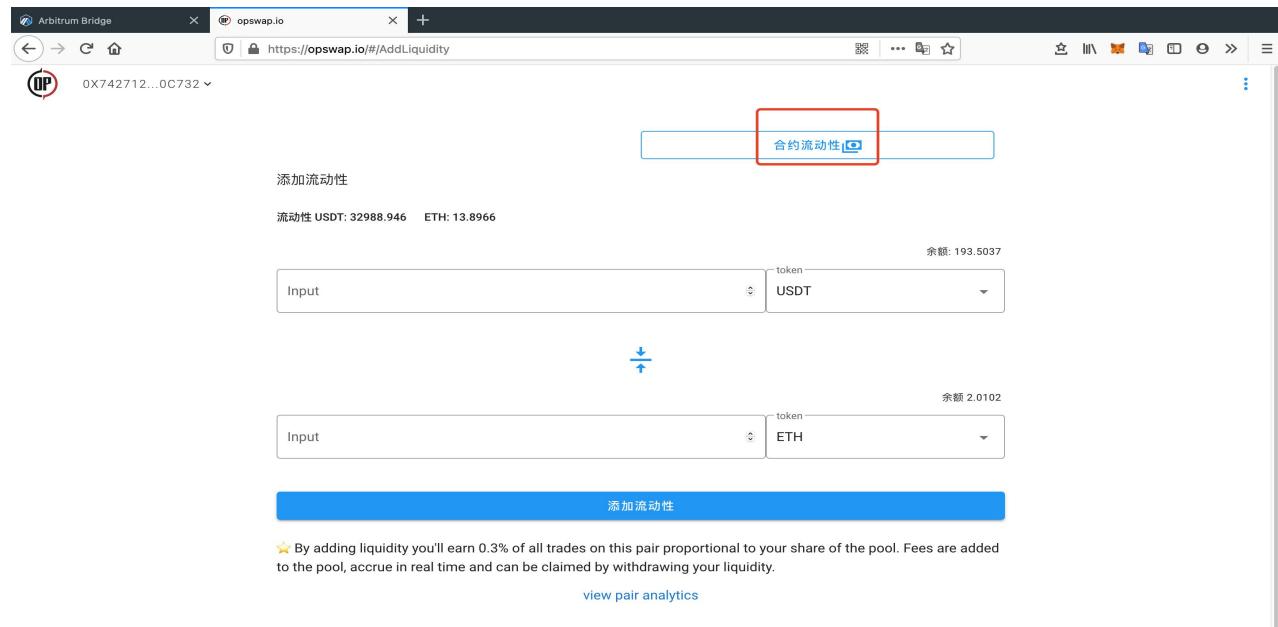
如何添加现货流动性?

图片内箭头下拉选择自己要添加的币种，白色框内输入自己想要添加的金额，添加流动性需要两个资产价值各为50%的金额，输入金额将会自动计算出所需金额，点击蓝色按钮既可添加流动性。



如何添加合约流动性?

点击左上角合约流动性，按以下步骤点击下拉箭头选择自己想要添加的币种，下白色框内输入自己想要添加的金额，点击蓝色按钮即可添加合约存款的流动性



如何移除（取款）合约流动性？

查看下方红色大框内信息，找到自己的存款余额，点击左边取款功能，输入框内输入自己想要取回的存款数量，点击蓝色按钮取款，即可取回自己的存款。

The screenshot shows the 'opswap.io' interface with the URL <https://opswap.io/#/AddLoanLiquidity>. The page title is '合约流动性'. The top navigation bar includes tabs for Arbitrum Bridge and opswap.io, along with various browser icons.

In the main content area, there's a section titled '合约流动性' with a dropdown menu set to 'USDT'. Below this, a red box highlights a row of information: '合约存款余额: 10018.6263', '我的存款余额: 100', '我的存款占比: 0.99%', and '我的账号余额 93.5037'. To the right of this row is a red arrow pointing towards the '取款' (Withdraw) button.

Below this row are two buttons: '+ 存款' (Deposit) and '- 取款' (Withdraw). The '- 取款' button is also highlighted with a red box. Underneath these buttons is a form with a placeholder '输入取款数量取回您的存款' and an 'Input' field, which is also highlighted with a red box.

At the bottom of the page, there's a section titled '取款记录' (Withdrawal History) with a table showing a single record: Date 2021-06-11T17:52:00, Currency USDT, Amount 193. Below this table are four navigation links: '兑换' (Swap), '资金池' (Liquidity Pool), '合约' (Contract), and '资产' (Assets).

如何进行合约交易?

首先需要在资产界面找到充值按钮,先充值存款资产到合约才能进行合约多空交易。

币种	L2钱包余额	合约余额
USDT	193.5037	200
ETH	2.0102	2

一层二层互转

明细

兑换 资金池 合约 资产

点击下拉箭头选择交易对，白色框内输入自己想要交易的金额即可进行合约交易，最高可支持10倍杠杆融资交易。

Layer2 Contract Swap

TOKEN
USDT-ETH

账号
ETH: 2 USDT: 200

开仓 平仓

buy price 2565.648 short price 2208.3254

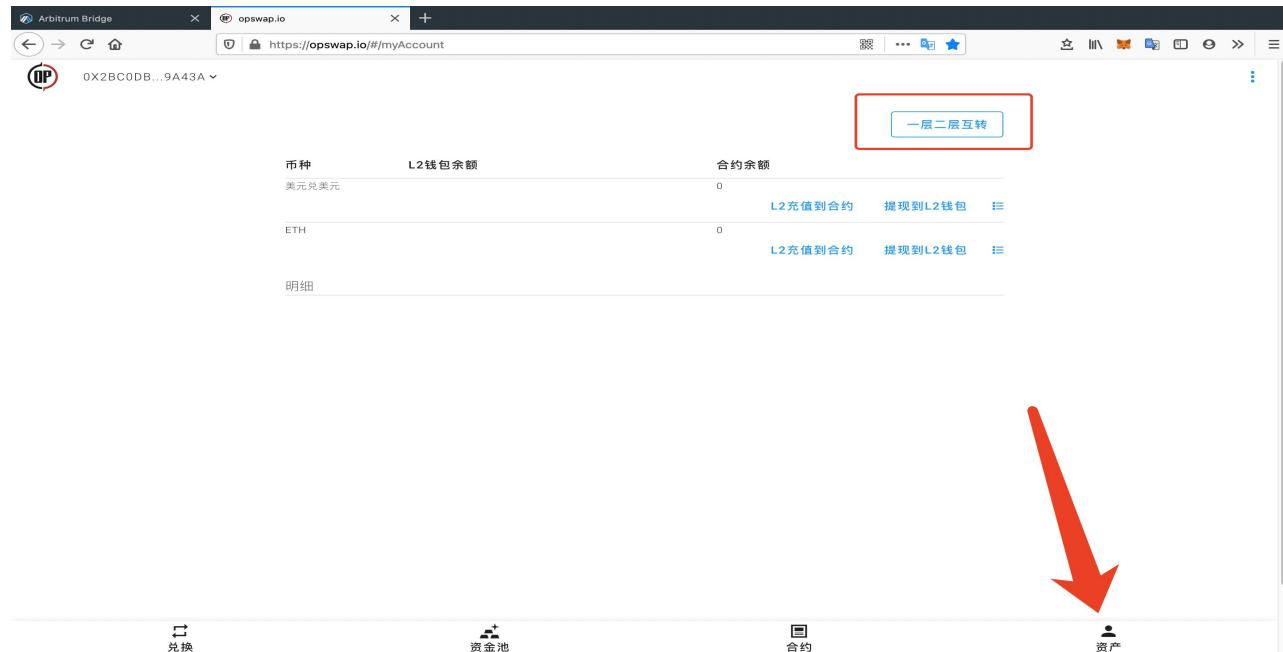
USDT -> ETH max:0.7015
ETH -> USDT max:18

Rate
1 eth = 2208.3254 usdt
1 usdt = 0.0004 eth

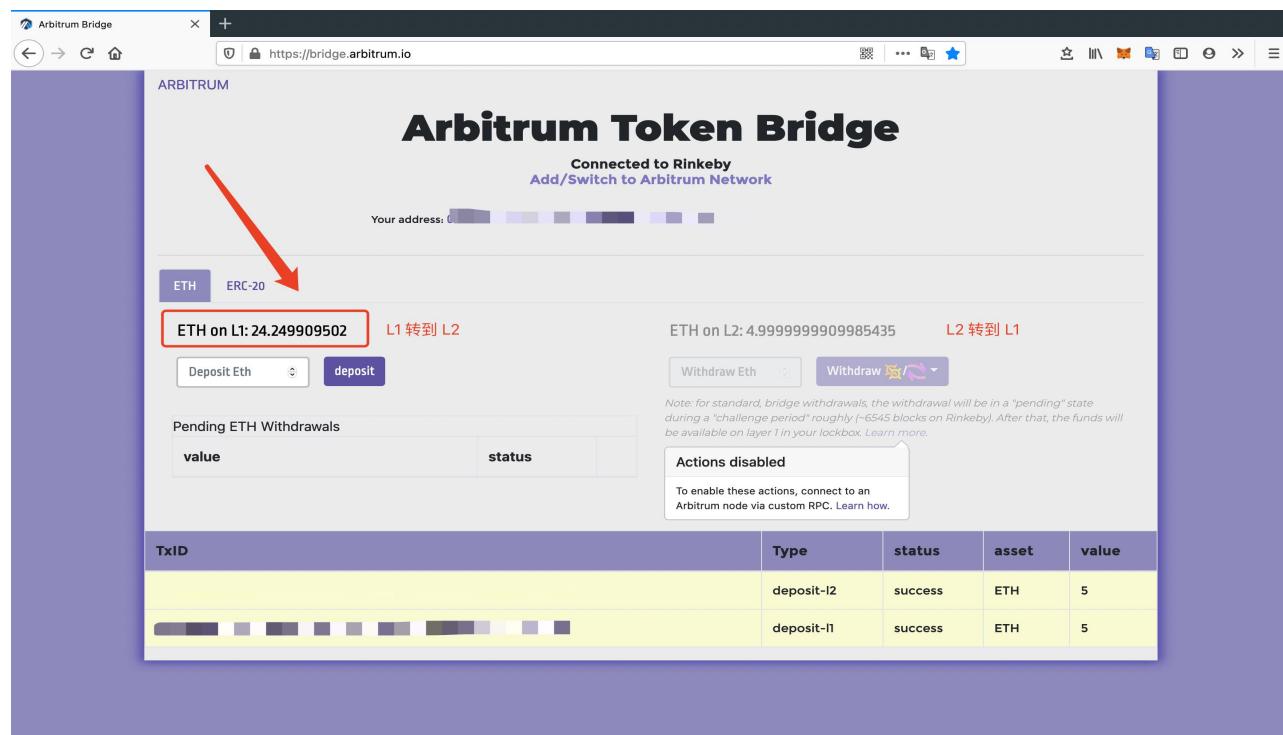
兑换 资金池 合约 资产

如何将一层资产转入到 arbitrum二层网络?

打开官网opswap.io选择Rinkeby网络，点击资产选择上方按钮一层二层转账



可以看到红色框内就是自己的Rinkeby测试币为 L1资产，(注：左边红框内黑色字体表示为L1 资产，右边灰色字体表示为L2资产) 白色框内输入要转账的金额，点击按钮 deposit就可以充值到arbitrum网络。



官网切换成arbitrum网络设置既可看二层网络资产，此时已经完成了L1到L2的资产兑换

The screenshot shows the opswap.io account page with the network set to 'Arbitrum Testnet'. The main interface displays two sections: '币种' (Assets) and '合约' (Contracts). In the '币种' section, there are two rows: 'USDT' with a balance of '193.5037' and 'ETH' with a balance of '2.0102'. A red box highlights the '193.5037' value. In the '合约' section, there is one row: '2.0103 ETH'. A red box highlights this value. A large red arrow points from the top right towards the '2.0103 ETH' entry. At the bottom of the page, there are navigation tabs: '兑换' (Swap), '资金池' (Liquidity Pool), '合约' (Contracts), and '资产' (Assets).

如何将合约资产提取到 L1?

找到我的资产界面，点击提现到 L2 钱包按钮。

币种	L2钱包余额	合约余额
USDT	93.5037	200
ETH	2.0098	2

输入自己想要从合约提取到 L2 钱包的币种数量，点击确认后将立马到账 L2 钱包。

提现

币种: ETH
L2钱包余额: 1.5094
合约余额: 1.9995
可用: 1.9995

1

确认

点击一层二层互转

The screenshot shows a balance sheet with two rows:

币种	L2钱包余额	合约余额
USDT	293.5037	0
ETH	2.0098	2

Below the table are two buttons: "L2充值到合约" and "提现到L2钱包". A red box highlights the top right corner of the page, labeled "一层二层互转".

下方红色箭头白色框内输入你想提取到的L1的金额 (注: 左边灰色资产表示为 L1 资产, 右边黑色资产表示为L2资产) 点击蓝色按钮【 Bridge (slow) 】 慢速模式, 目前 arbitrun 网络快速模式只支持 dai且 L2兑换到L1只支持eth 和 dai
红色大框表示正在转账的详情以及到账信息, 底部黄色框为过往的交易记录

The screenshot shows the Arbitrum Token Bridge interface with the following details:

- ETH Tab:** ETH on L1: 12.999909502
- Withdrawal Input:** ETH on L2: 1.5094262492332424
- Withdrawal Button:** Withdraw Eth (with dropdown menu options: Bridge [Slow], Connect [Fast], Hop [Fast, DAI Only]). A red arrow points to this button.
- Note:** Note: for standard, bridge will be in a "pending" state during a "challenge period". After that, the funds will be available on layer 1 in your wallet.
- Pending ETH Withdrawals:** value: 0.5, status: Unconfirmed: ETA: ~6420 blocks (~1 day)
- Transaction History:**

TxID	Type	status	asset	value
[Redacted]	deposit-l2	success	ETH	5
[Redacted]	deposit-l1	success	ETH	5

常见问题

价格是由什么决定的?

当前代币价格取决于每个资金池的相对代币数量。通过自动做市商制度 (AMM) , 智能合约始终遵循常量公式: $x*y=k$, 其中 $x = \text{token1}$, $y = \text{token2}$, $k = \text{常量}$ 。每一笔交易的实现, 都会根据常量公式, 自动删除其中一种代币的数量, 同时增加另一个代币的数量。这期间, 常量 k 保持不变, 余额实时更新。因此, 每笔交易都会调整代币的余额, 从而改变价格。

兑换支持哪些代币?

目前 Opswap 在测试网上支持 USDT、ETH 测试

添加/移除资金池的代币比例是如何计算的?

添加/移除资产池流动性时, 需要按照当前资金池的代币和 ETH 数量的比例进行增加和移除。例如资金池里代币数: ETH 数量=1:100, 您增加和移除的代币和 ETH 数量比例必须是 1:100。

Opswap 兑换需要手续费吗?

用户每次进行兑换操作时, 系统将自动收取 0.3% 的手续费, 此费用将用于奖励资金池的流动性提供者。