How To Use Ruby.Exchange

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The launch of Ruby.Exchange marks the beginnings of a vibrant new DeFi ecosystem, powered by SKALE V2's zero-gas, high-throughput multichain network. Users will be able to connect instantly and frictionlessly to the Europa SKALE Chain and trade tokens for any of the dApps in the SKALEVERSE using Ruby.Exchange.

This guide provides full details for using Ruby.Exchange, including Bridging funds to the Europa SKALE Chain, Swapping, LPing, Yield Farming, Staking and Locking RUBY, and managing rewards.

Pools And Rewards

Ruby has allocated 100 million RUBY tokens for liquidity mining rewards, distributed over five years. In the first year, 40 million RUBY will be distributed (3.33 million RUBY per month), split across the StableSwap pool (20%) and selected XY=K pools (80%).

Ruby's first incentivized pairs will be:
- RUBY-USDP: 24% of total allocated rewards
- ETH-USDP: 20%
- SKL-USDP: 18%
- BTC-USDP: 18%
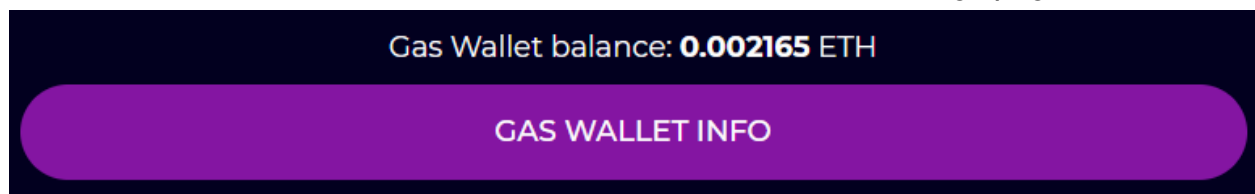- StableSwap (USDP, USDT, USDC, Dai): 20%

Migrating funds from Ethereum mainnet to the Europa SKALE Chain, on which Ruby.Exchange is hosted, is fast and easy.

How To Bridge From Ethereum Mainnet To Europa

Go to Ruby.Exchange and select **Bridge** from the main menu. Make sure you're moving funds from Ethereum mainnet to the Europa SKALE Chain, not the other way round. You will be prompted to connect to mainnet using MetaMask.

SKALE uses a **Gas Wallet**: a dedicated address that holds ETH to pay for the transaction fees associated with using the bridge. You won't need this to move funds into the SKALE ecosystem. Coming back from SKALE to Ethereum mainnet, you'll need to make sure that wallet has some ETH in it.

To do that, use the **Gas Wallet Info** button at the bottom of the Bridge page.

Gas Wallet balance: **0.002165** ETH

GAS WALLET INFO

You can deposit ETH into this wallet on the Gas Wallet page, or withdraw ETH you don't need there to your main (MetaMask) wallet.

< Go Back

Gas Wallet info

You need to maintain a small balance in your Gas Wallet to guarantee you have sufficient gas to pay the withdrawal transaction. ✕

Deposit or Withdraw ETH to your Gas Wallet

ETH

0.03 | Max

Your Main Wallet balance: **0.07395 ETH**
Your Gas Wallet balance: **0.002165 ETH**

DEPOSIT   WITHDRAW

Back on the **Bridge** page, select the token you want to bridge to the Europa SKALE Chain, then enter the amount in the box.

From **R** **Ethereum mainnet**

ETH ⌄   0.0   Max

Balance: **0.07395** ETH
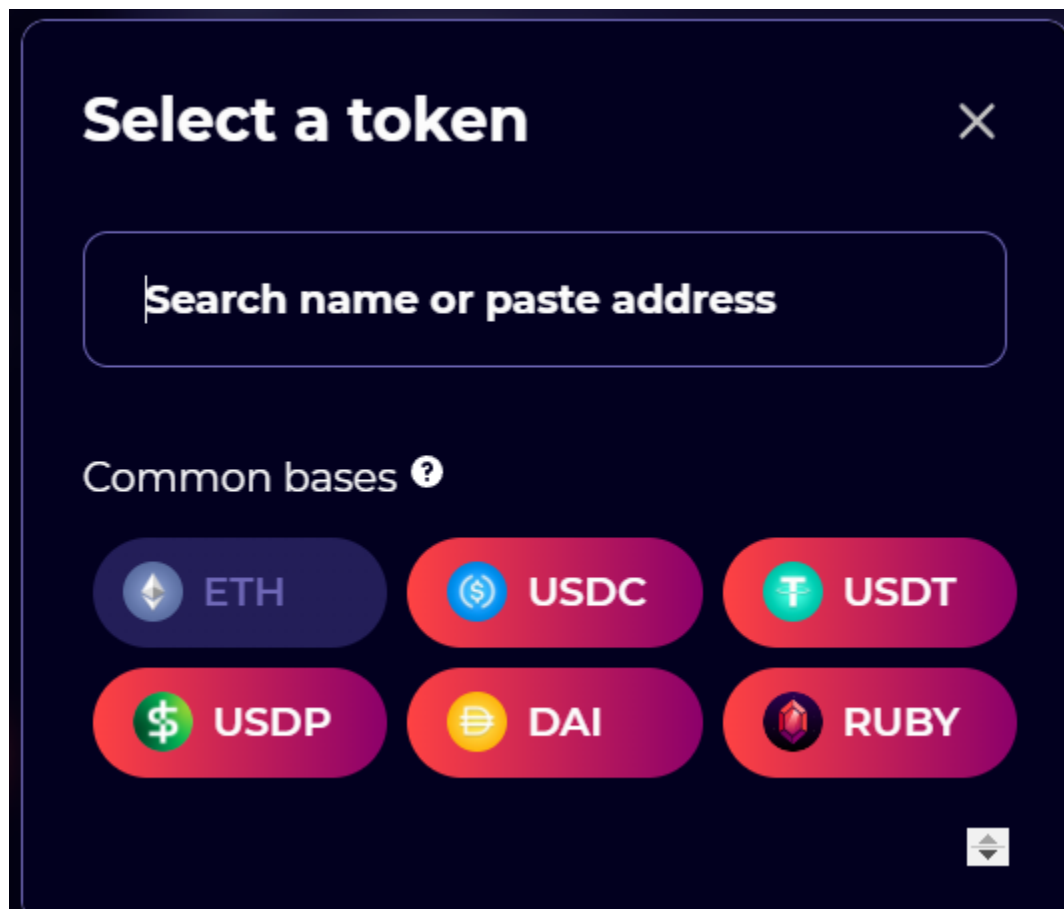
⇅

To **S** **Europa SKALE Chain**

ETH   0.0

Available Balance: **0.07479** ETH

Transfer fee: **0** ETH

You will need to **Approve** the token with the bridging contract before you click **Transfer** to bridge your tokens (two MetaMask confirmations).

From R **Ethereum mainnet**

($) **USDC** ∨   100   Max

Balance: **101** USDC
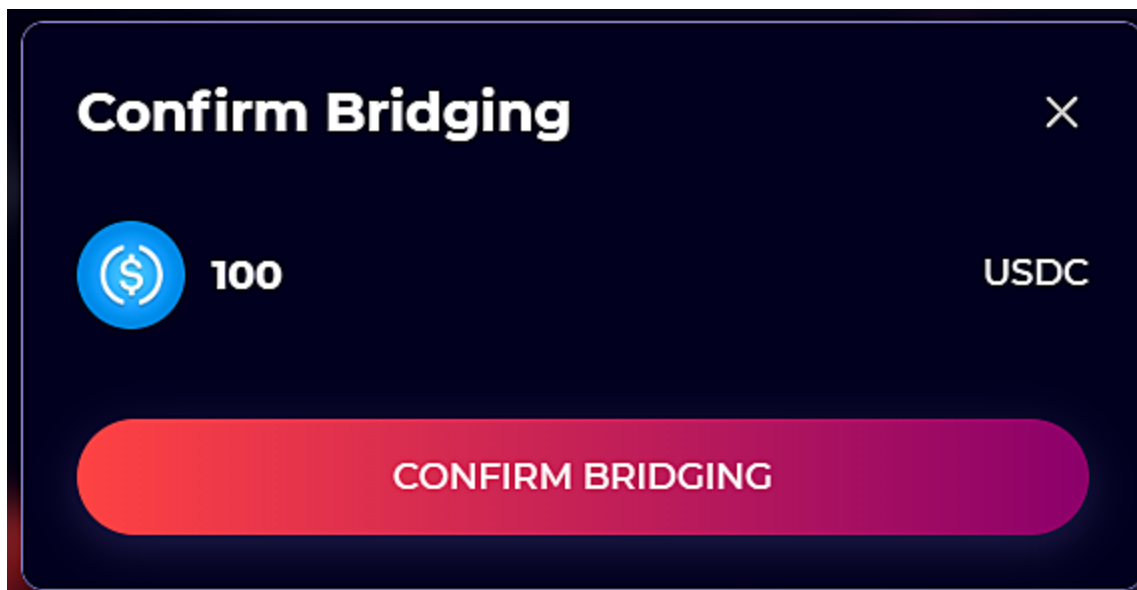
To   [S] **Europa SKALE Chain**

($) **USDC**   **100**

Available Balance: **97.99** USDC

Transfer fee: **0** USDC

TRANSFER

On clicking **Transfer**, you'll see the confirmation box above, and receive a MetaMask prompt.
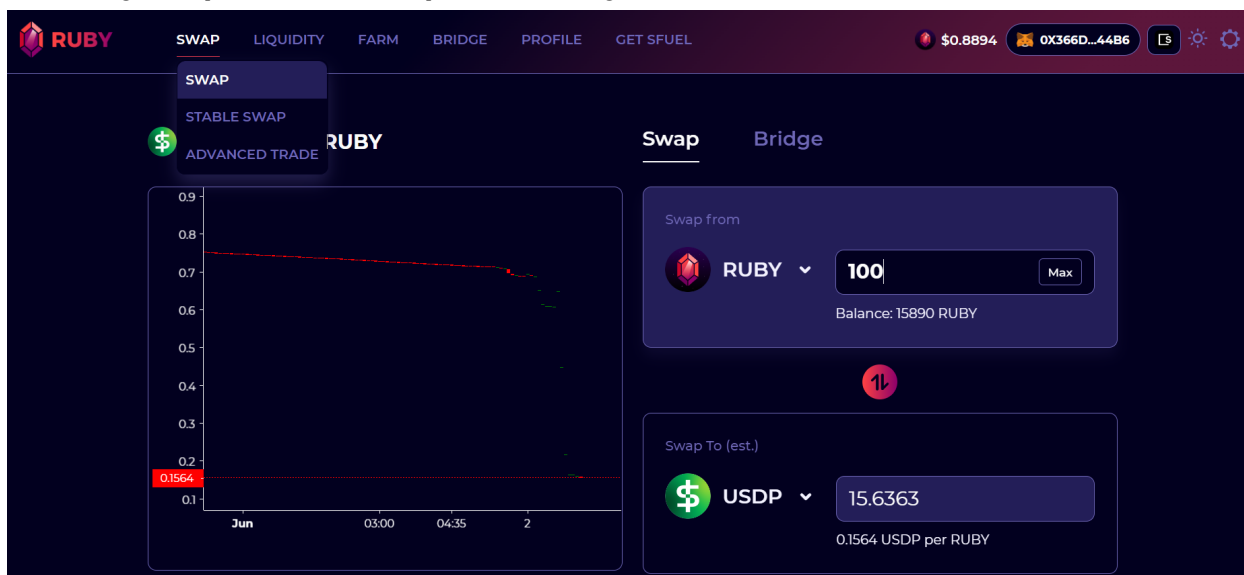
Once confirmed on the blockchain, your funds will be available on Europa and can be used on Ruby.Exchange. This typically takes just 2-3 minutes, but can be faster.

When your funds have safely bridged, you can start trading immediately, or deposit liquidity and stake your LP tokens to start farming RUBY.

How To Trade On Ruby.Exchange

Trading on Ruby.Exchange is fast and easy. Start by heading to the **Swap** menu and selecting **Swap**, or **StableSwap** for exchanges between two stablecoins.

Use the dropdown menus to select the token you want to swap, and the one you want to receive. Enter the amount in the top box, or click **Max** to swap your entire balance of that token. Click the **Swap** button.

A dialog box with information about your swap will be displayed. Check the details and click **Confirm Swap**, and then confirm the transaction when prompted by MetaMask.

Confirm Swap ✕

🔴 **100**   RUBY

↓

$ **15.6363**   USDP

Exchange Rate	1 USDP = 6.395 RUBY ⇄
Route ❓	**RUBY › USDP**
Minimum received ❓	**15.6363 USDP**
Price Impact ❓	**0.00%**
Trade fee ❓	**0.3 RUBY**
Slippage tolerance ❓	**0.50%**

AMM Route

Output is estimated. You will receive at least **15.6363 USDP** or the transaction will revert.

CONFIRM SWAP

If it's your first swap, you will be prompted to approve another transaction first, to allow

Ruby to trade your tokens. The transaction should confirm within a few seconds, and your balance for each token will be updated.

The process for using Ruby's StableSwap is almost identical. In fact, you can use either the main **Swap** interface or the dedicated **StableSwap** interface to exchange stablecoins. The result will be the same.

Stable Swap

From

$ USDP ⌄ | 100 | Max

5,124.490420   ≈$100.0

⇅

To

Ð DAI ⌄ | 99.9453839976154931103

                                            ≈$99.94

Exchange rate: 0.999453

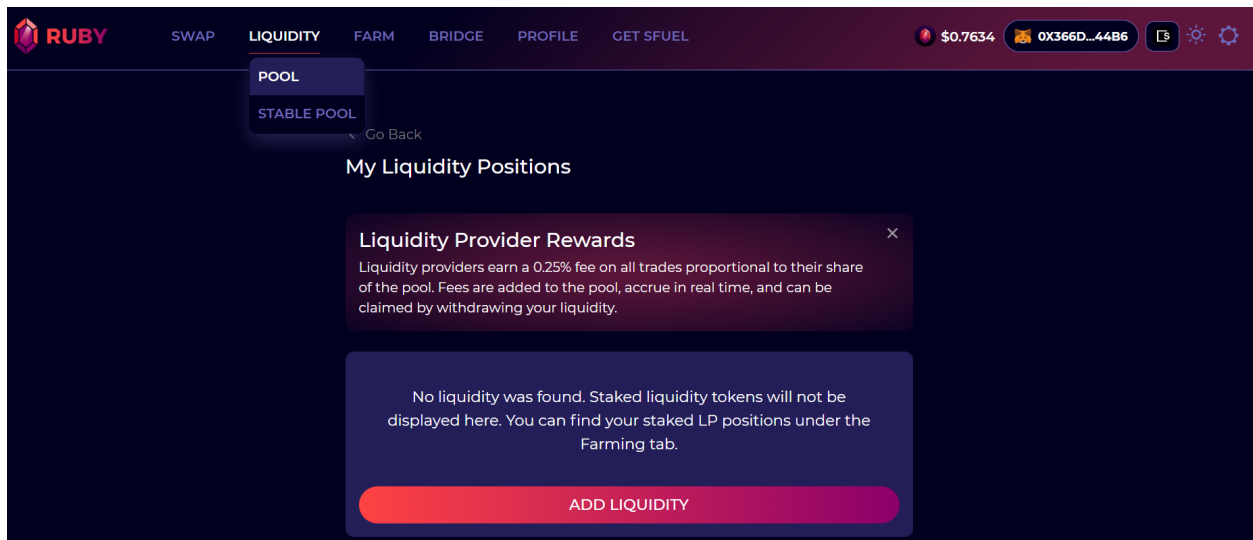Price impact: -0.05%

Route: USDP > DAI

Advanced options ▼

SWAP

How To LP On Ruby.Exchange

There are two options for adding liquidity to Ruby's pools: **XY=K pools**, which pair a crypto token (RUBY, SKL, ETH, BTC, etc) against USDP, or Ruby's **StableSwap 4Pool** (USDP, USDC, USDT, Dai).

XY=K

Select **Liquidity -> Pool** from the main menu, and click **Add Liquidity**.

Select the token for which you want to provide liquidity, and the amount. The corresponding amount of USDP will be filled in automatically.

All XY=K pools use [USDP as their base pair by default](). You can swap USDT, USDC, or Dai for USDP using the StableSwap 4Pool, with very low slippage.

Click **Confirm Adding Liquidity**, and confirm the transaction with MetaMask. You will receive liquidity provider (LP) tokens corresponding to your share of the pool.

| Add | Remove |

Input token A

◆ ETH ⌄   0.01   Max

Input token B

$ USDP ⌄   22.4994   Max

2249.95 USDP per ETH
0.000444455 ETH per USDP

10.85%
Share of Pool

CONFIRM ADDING LIQUIDITY

So long as your LP tokens are not locked in Ruby's farming contract, you can redeem them at any time. (Remember that when you remove liquidity, you will receive back your share of the pool, not the exact number of each token you deposited.)

Liquidity providers receive transaction fees totaling 0.25% of every trade placed on Ruby.Exchange. To earn additional yield farming rewards, you will need to lock your LP tokens in the farming contract (see below).

StableSwap

Providing liquidity to the StableSwap is a similar process, with the difference that users can deposit one, two, three, or all four stablecoins to the 4Pool. Start by selecting **Stable Pool** from the **Liquidity** menu.

Users can deposit any amount of one or more of stablecoins into the pool.

USDP
0.0 Max
Balance: 4428 USDP ≈ 0$

DAI
0.0 Max
Balance: 514.7 DAI ≈ 0$

USDC
0.0 Max
Balance: 1198 USDC ≈ 0$

USDT
0.0 Max
Balance: 515.2 USDT ≈ 0$

However, if the pool is underbalanced for any given currency, it is advantageous for users to deposit that token, so they can benefit from positive slippage (essentially buying the overweight tokens at a discount).

In this case, the pool is slightly overbalanced for USDP and underbalanced for the other three stablecoins, so depositing any of these three will be better than depositing USDP (see the small Bonus, below).

Currency Reserves

$256,210.86 in total

USDP
66,134.95
25.79%

DAI
63,447.01
24.74%

USDC
63,181.58
24.64%

USDT
63,632.92
24.81%

Enter the amount(s) you want to provide and click **Deposit**.

| USDC | 1000 | Max |
| Balance: 1198 USDC | | ≈ 1000$ |

| USDT | 0.0 | Max |
| Balance: 515.2 USDT | | ≈ 0$ |

Bonus: 0.0041%

Advanced Options ▼

DEPOSIT

Click **Confirm Deposit**. This will require two MetaMask confirmations (Approval then Deposit).

Review deposit ✕

Depositing

💲 USDP   1,000.0

Total   1,000.0

Receiving

🔴 rubyUSD   999.219262

Share of pool: 0.28%
Max slippage: 0.1%
Tx deadline: 20 minutes
Rates: 1 USDP = $1.0
                                  1 rubyUSD = $1.0

Output is estimated. If the price changes by more than the maximum slippage, your transaction will revert.

CONFIRM DEPOSIT

As before, you will now hold StableSwap LP tokens that represent your share of the 4Pool. When you redeem these, you can opt to receive a your share as a single stablecoin, or a combination of all four.

How To Yield Farm

Once you've deposited liquidity to Ruby's pools, you can stake your LP tokens in Ruby's farming contract to earn rewards. Start by selecting **Farm** from the menu.

Pool	TVL	Rewards	APR
4Pool StableSwap	$252,087	4.114 Per Day	**254%** Annualised
USDP/SKL RUBY Farm	$6,280	20.57 Per Day 86,400 Per Day	**874%** Annualised
USDP/ETHC RUBY Farm	$553.76	20.57 Per Day	**1424%** Annualised
USDP/Ruby RUBY Farm	$2,938,671	20.57 Per Day	**2331%** Annualised

Then, select an entry for which you have provided liquidity. You will see your available liquidity provider (LP) tokens displayed. Enter the amount you want to stake or click **Max**, then **Stake**, and confirm the transaction when prompted by MetaMask.

USDP/ETHC Ruby Farm	$0.0245	20.57 Per Day	10000%+ Annualised
Wallet Balance: 0.4712		Your Staked: 0	
0.471173918925167986 MAX		0.0 MAX	
STAKE		UNSTAKE	

After a short time, you will start to see rewards accruing. To access these, you will need to click the **Vest** button. This begins a three-month vesting process, after which the rewards will be available to **Claim** through the dashboard (**Profile -> Manage RUBY**).

How To Stake and Lock RUBY

Go to **Profile -> Manage** Ruby to manage your vesting yield farming rewards and to stake or lock RUBY.

At the top of the page, you'll find a summary of all your farming and staking positions.

There are two options for single-sided staking:
1. You can **Stake your RUBY**. You will receive a share of 0.04% of every trade made on Ruby.Exchange. Your tokens can be unstaked at any time.
2. **Lock your RUBY** for three months to receive a share of trading fees, and additionally a share of the early-exit fees paid by yield farmers who want to access their earnings before the three-month vesting period is over.

In both cases, rewards are streamed in real time and can be accessed straight away, but if you lock RUBY then your initial capital cannot be unlocked for three months. After this period is up, your tokens will continue to generate rewards unless you withdraw them.

Simply enter the amount of RUBY you want to deposit in the relevant box, and click **Stake** or **Lock**. Then follow the prompt to confirm the transaction using MetaMask. Your RUBY will immediately begin to accrue rewards.

Stake RUBY

APR **157.65%**

Stake RUBY and earn platform fees with no lockup period

Wallet balance

⬤ 15792.3348

~$0

0.0   Max   STAKE

Lock RUBY

APR **333.65%**

Lock RUBY to earn AMM fees and penalty fees in unlocked RUBY.

RUBY is locked for three months, after which tokens continue to earn AMM and penalty fees if they are not withdrawn.

Wallet balance

⬤ 15792.3348

~$0

0.0   Max   LOCK

Accessing Your Rewards

The RUBY dashboard enables you to withdraw all the different types of rewards you can earn on Ruby.Exchange.

Locked and Vesting RUBY

The top box on the right hand side enables you to manage vesting RUBY rewards, as well as withdraw staking RUBY.

- Withdraw unlocked staked RUBY. The first entry shows the amount of RUBY you have staked. Completed farming vests are also included here. These tokens can be accessed at any time using the **Claim** button.
- Withdraw vesting RUBY early. The next entry displays your current RUBY vests—claims for yield farming earnings you have started but that have not yet completed the three-month withdrawal period. You can still access these by

paying a 50% early-exit fee. Clicking **Claim All** will withdraw these rewards, as well as unlocking any completed farming vests you have, and unlocking any staked RUBY.

- Finally, if you have RUBY that has been locked for more than three months, it can be withdrawn using the **Claim** button at the bottom of this box.

Current Farming Vests And Locks

The next box displays all of your yield farming claims that are currently in the process of vesting, with the time and date of expiry for each. These will become available after three months, or can be accessed early by following the process above.

Below that, you'll see entries for each tranche of RUBY you have locked, and the point at which the three-month period comes to an end.

RUBY Farming Vests

Vesting	Expiry
🔴 0.0293575	September 1, 2022 at 12:00:00 AM UTC
🔴 93.2563	September 8, 2022 at 12:00:00 AM UTC

Total RUBY Vesting 93.2856 RUBY ~$

RUBY Locks

Locked	Expiry
🔴 2000	September 1, 2022 at 12:00:00 AM UTC

Total RUBY Locked 2000 RUBY ~$

Withdraw Claimable Fees

The last box on the right hand side displays two categories of fees that users who stake and lock their RUBY receive.

The first line is the penalty fees that users who lock their RUBY tokens receive, paid for by yield farmers who want to access their rewards before the end of the vesting period.

The second line is the portion of regular trading fees paid to users who lock or stake RUBY.

These rewards can be claimed immediately using **Claim All**, without any penalty.

Reward	Token	Amount	USD Value
All Claimable Fees			
Penalty fees	RUBY	2.89617	~$
AMM fees	RUBY	1520.66	~$

Total Value ~$

CLAIM ALL