

# Grow Bitcoin Mainnet User Guide

## Introduction

Grow Bitcoin is an ecosystem acceleration platform that focuses on connecting the Bitcoin users and stakers to the projects. Grow Bitcoin is operated by the Rooch Network team.

As a Bitcoin staker or user, you get to earn BitXP as well as the project XP by voting for the projects you like, with your Bitcoin as the stake but without having to move your Bitcoin at all.

As a Bitcoin project builder, you are free to list your project on the Grow Bitcoin platform and get attentions from potential Bitcoin users; users will endorse your project with their votes and with more votes you get to earn BitXP as well!

- Website : <https://grow.rooch.network>
- Grow Bitcoin FAQ: <https://rooch.network/learn/miscellaneous/grow-bitcoin#faq>

## Connect wallet



Click the `Connect wallet` button to connect to the Bitcoin wallet, taking the UniSat wallet as an example for subsequent interactions.

Click the **Connect** button to authorize.

# Claim RGas

## Method 1

Make sure you have UTXOs in your Bitcoin wallet, no matter how many.

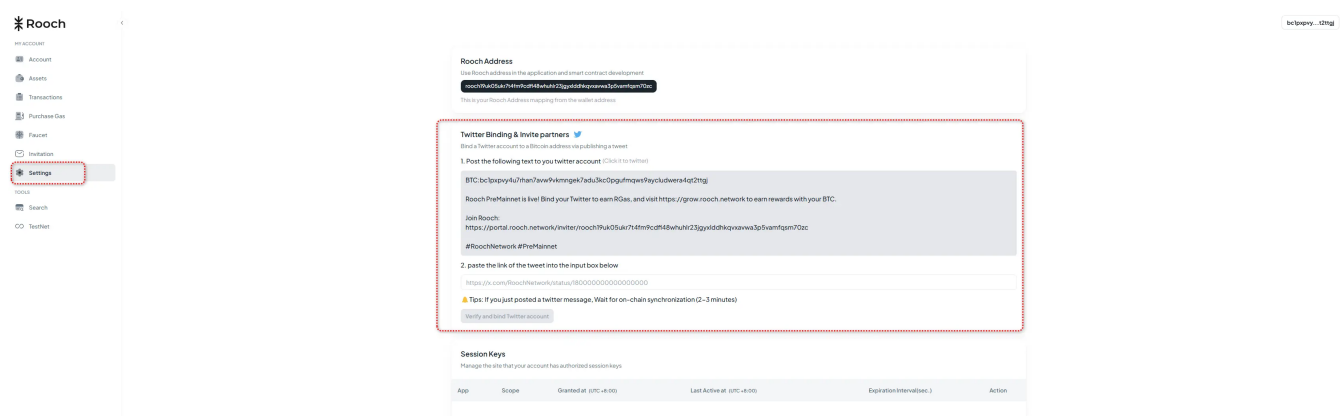
Rooch provides the mainnet RGas faucet in the Portal. Each new Bitcoin address can claim RGas once. You can Claim your RGas at this URL:

- RGas Faucet: <https://portal.rooch.network/faucet>

After Claim, you will receive 1 ~ 3 RGas, which can be viewed through the Account page.

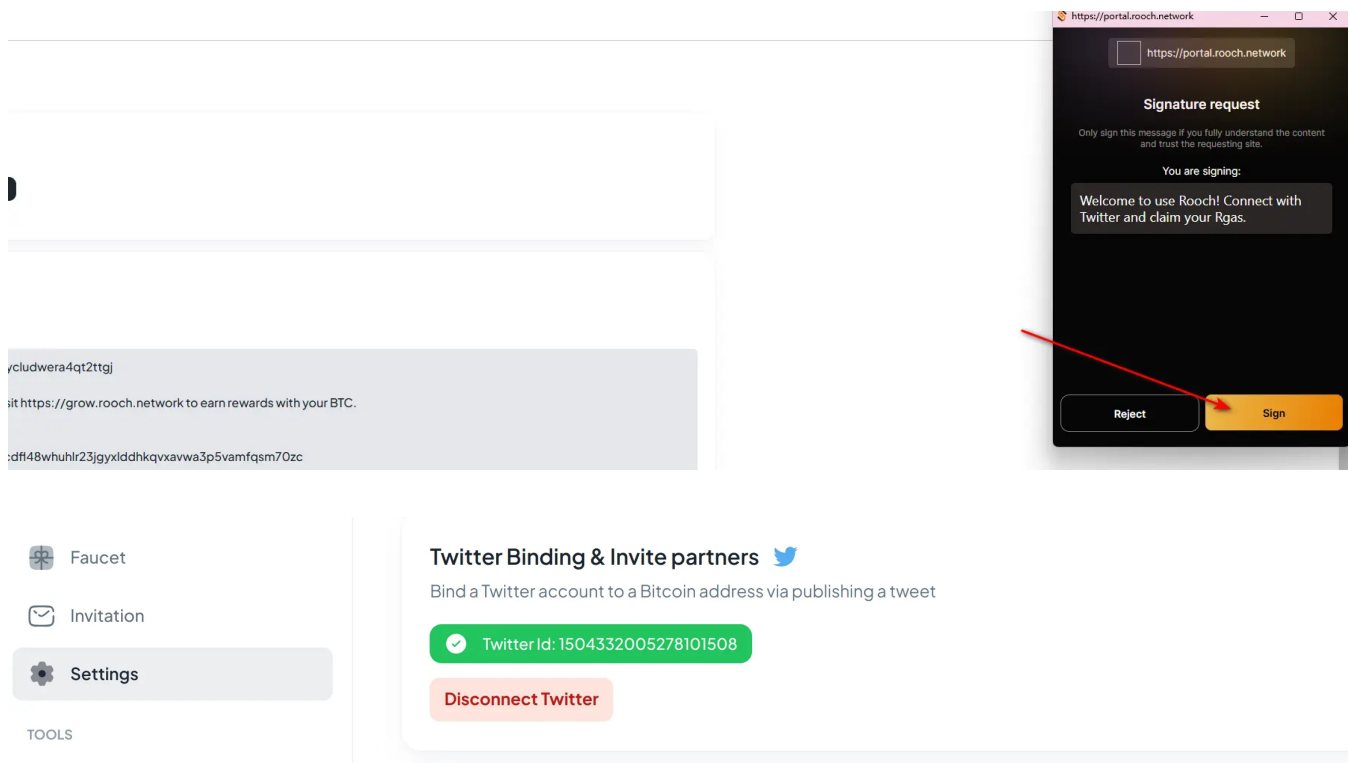
## Method 2

If you have no UTXO, that is, no BTC balance, then you can bind the X (original Twitter) account in [Rooch Portal](#) and get 3 RGas.



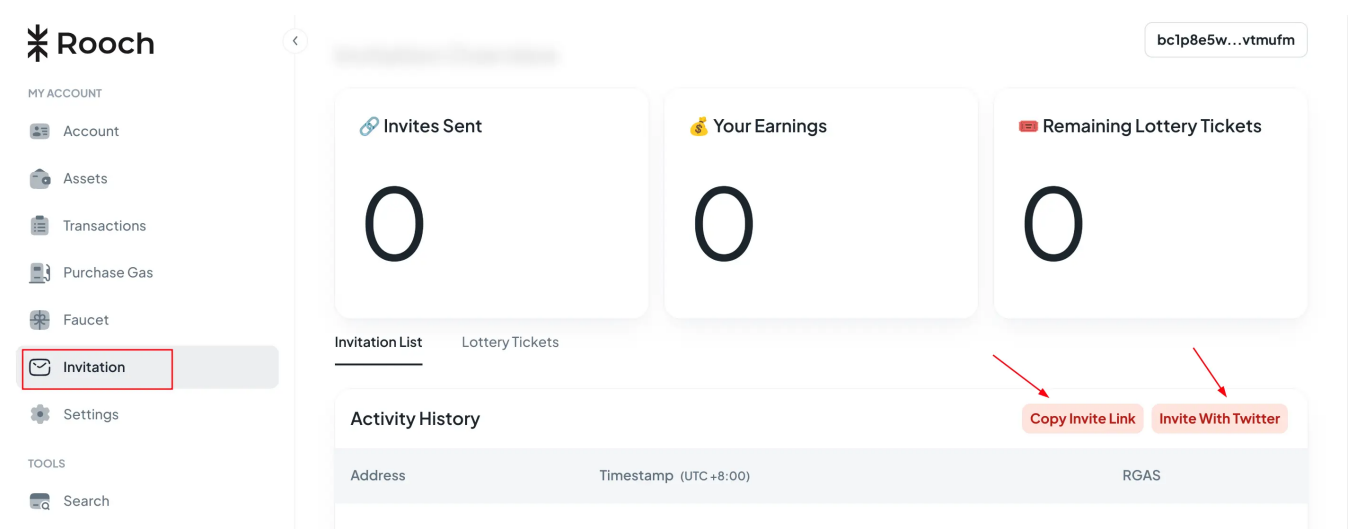
For the specific process, please refer to the [Setting page of Portal](#). The working principle is to copy the tweet content to X (original Twitter). After successfully sending, copy the link of the tweet, paste it into the box, click **Verify** and bind Twitter account

button and sign the transaction to bind successfully. Check your Account page at this time and you should be able to see a balance of 3 Rgas.



## Method 3

Invite other users to obtain Rgas invitation benefits. For details, please refer to the [Invitation page](#) in the Portal.



- You can click **Copy Invite Link** to directly send the invitation link to your friend and ask him to bind the X account. While he gets RGas, you will also get RGas share of the income.

- Your friend will get 1 ~ 3 RGas based on the balance of BTC in the wallet. The more BTC means you will have a greater chance of getting 3 RGas.
- And you will receive 5 RGas and a lottery ticket, which can be viewed by clicking the Lottery Tickets button.
- You can also click the Invite With Twitter button to send your invitation post to X. As long as other users bind X through the link in your post, you can also get RGas share revenue (same as above).

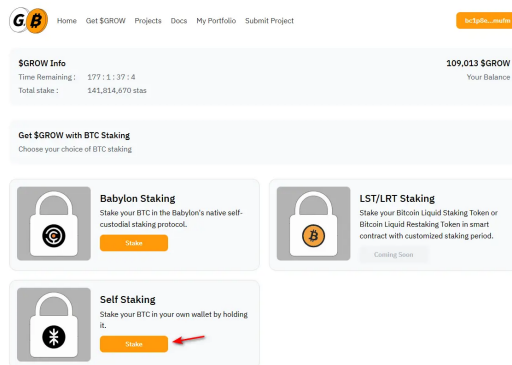
## Interaction

### Staking BTC assets

Here is how to stake the BTC assets in your wallet and obtain GROW assets.

Click the Get \$GROW button to enter the staking page.

Click the Stake button in Self Staking to enter the staking page of Self Staking.



Select the UTXO to be stake on the staking page and click the Stake button to stake BTC .



## Get \$GROW with Self Staking

To get \$GROW with Self-Staking, select your Bitcoin UTxO and click on Stake button to start staking. (Time weight = 1)

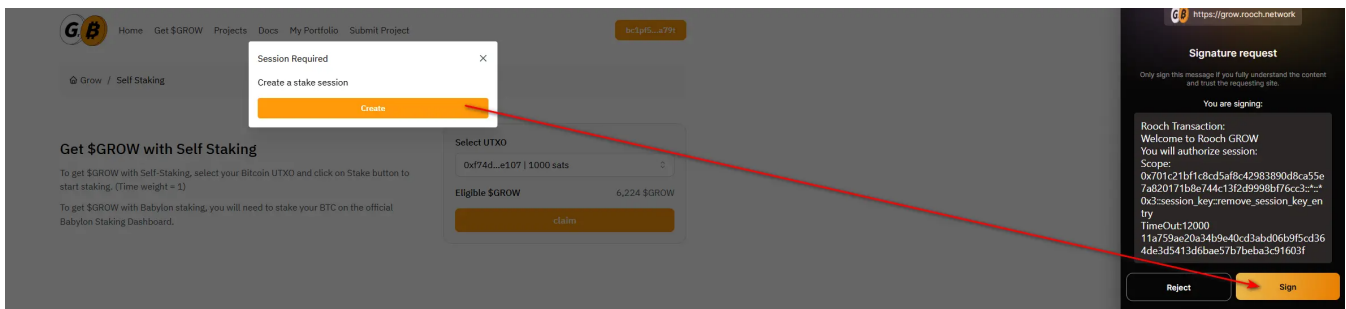
To get \$GROW with Babylon staking, you will need to stake your BTC on the official Babylon Staking Dashboard.

Select UTxO

0xf74d...cef8 | 100000 sats

stake

If you have not created a Session Key, you will be prompted to create a Session Key first. At this time you need to sign, click the **Sign** button to authorize:



After waiting for a period of time, you can collect the staking rewards.

Get \$GROW with Self Staking

To get \$GROW with Self-Staking, select your Bitcoin UTxO and click on Stake button to start staking. (Time weight = 1)

To get \$GROW with Babylon staking, you will need to stake your BTC on the official Babylon Staking Dashboard.

Select UTxO

0xf74d...51a4 | 8384 sats

Eligible \$GROW

10,442 \$GROW

claim

After claiming GROW rewards, you can click the **unStake** button to unstake your BTC .

Get \$GROW with Self Staking

To get \$GROW with Self-Staking, select your Bitcoin UTxO and click on Stake button to start staking. (Time weight = 1)

To get \$GROW with Babylon staking, you will need to stake your BTC on the official Babylon Staking Dashboard.

Select UTxO

0xf74d...51a4 | 8384 sats

No revenue has been generated

unStake

## View assets

We can view GROW assets and other asset information on the My Portfolio page.

\$GROW Balance shows the GROW asset value I obtained, and \$RGAS Balance shows the number of RGas .

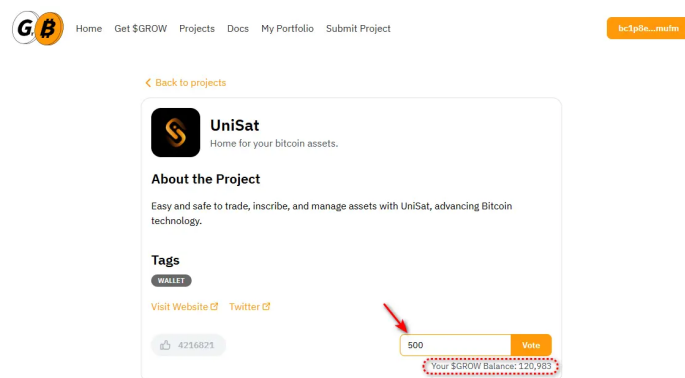
## Vote for projects and get XP

We click Projects to enter the page for voting for Bitcoin ecological projects.

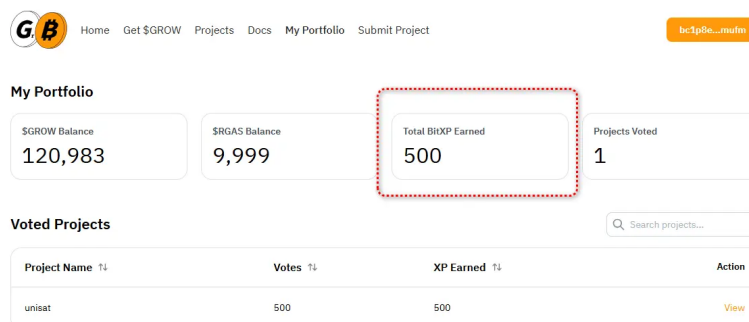
Choose a project you like or that can bring you value, vote for it, and earn BitXP .

Taking the UniSat wallet as an example, enter the project details page. Your GROW balance will be displayed here. I invested 500 GROW for UniSat.

Clicking the **Vote** button will consume 500 GROW and obtain the same amount of BitXP.



At this point, enter the **My Portfolio** page and you will be able to see the XP you have earned.



## FAQ

### Self Staking Risk

Self Staking only has **Read** permissions for Bitcoin, without **Transfer**, ensuring the ownership of BTC. Having **Write** permission at the Rooch layer provides scalability.

Therefore, Self Staking in Grow Bitcoin is risk-free staking mining.

For example, I want to go shopping in a newly opened supermarket and I want to apply for a membership card. The membership card will only read my identity information and cannot do any more operations. Grow Bitcoin's stake mining is this model. It can only read the UTXO of the Bitcoin wallet and has no authority to operate your Bitcoin assets.

## Why Create Session Key

Rooch's Session Key provides secure and simplified DApp transaction processes for application interactions.

For a detailed description of Session Key, please refer to this document

<https://rooch.networklearn/core-concepts/accounts/session-key>

## Detailed usage process

Please refer to the [Grow Bitcion Testnet User Guide](#)

*Tip: The mainnet and testnet usage procedures are the same, pay attention to the URL of the accessed website!*

## How to get UTXO and RGas

Only needs to ensure that the UniSat wallet has UTXO and [Claim RGas](#) here to stake.

RGas is the native gas token on the Rooch Network and is used to cover transaction and operating costs.

## The account has BTC but no UTXO

BTC transfer transactions need to wait for three blocks to be confirmed before UTXO can be used in Rooch.

## How to mine Grow

You only need to hold BTC in your own wallet to stake for mining and obtain GROW. Grow Bitcoin adopts Hold Mining's staking model to obtain GROW.

Note: If the UTXO in your wallet is spent, the UTXO staked in Grow Bitcoin will become invalid, and you need to manually stake new UTXO to continue mining.



## Loop appears to create Seesion

If the Create Session prompt window pops up in a loop, please check whether there is RGas.

## Does staking affect ARC20?

No impact. Staking does not require sending an L1 transaction.

## How much BTC is needed to stake

No barriers to entry.

## Grow total amount

The total amount of GROW is 210,000,000,000, which will be mined in 180 days.

The daily mining quantity is fixed and divided according to the staked BTC.

Source code: [https://github.com/rooch-network/rooch/blob/main/apps/grow\\_bitcoin/sources/grow\\_bitcoin.move](https://github.com/rooch-network/rooch/blob/main/apps/grow_bitcoin/sources/grow_bitcoin.move)

## Are there any staking restrictions?

No.

## RGas no more

If you don't have RGas anymore, you can buy them [here](#).

*Tip: Currently, only BTC -> RGas is provided. RGas -> BTC is temporarily unavailable.  
The function of purchasing RGas with USTD will be provided in the future.*

## UTXO has changed, are there still GROW rewards?

Because it is a holding mining mode, if the UTXO is spent, the unclaimed GROW cannot be claimed. It is recommended to claim the staking reward before spending BTC.

## How many times can the GROW obtained through staking be claimed per day?

There is no limit on the number of times, you can claim as long as you have staking income.

## How many RGas are consumed for each Claim?

About 0.02 ~ 0.03 RGas.

## Babylon Stakes

The same UTXO cannot be Self-Staking and then staked on Babylon.

You need to stake in Babylon first, and then stake via Babylon Stake Seal.

Babylon's staking has a time lock, and its staking has time weight.

## Does Rooch have a price oracle?

There are currently oracles for Bitcoin.

Source code: [https://github.com/rooch-network/rooch/blob/main/apps/gas\\_market/sources/trusted\\_oracle.move](https://github.com/rooch-network/rooch/blob/main/apps/gas_market/sources/trusted_oracle.move)

## Is Grow the mainnet token of Rooch?

no.

## What does GROW do?

You can use **GROW** to vote for projects and earn **BitXP** points. **BitXP** is used to obtain airdrops.

## Will GROW disappear after voting?

GROW will be burned after voting, reducing the supply.

## GROW to BitXP Ratio

GROW and BitXP are mapped 1:1, and the GROW consumed by voting will receive the same amount of BitXP.

GROW is launched completely fairly, with a fixed supply and no upper limit for BitXP. BitXP can only be obtained by voting for the project using GROW.

## Can I receive RGas with a new Bitcoin address?

A new Bitcoin address can Claim RGas once.

## What type of Bitcoin address to use?

Taproot.

## Where GROW trades

GROW's trading market will be launched in the future.

© Root Branch Ltd. 2023. All rights reserved.

