

**CAUTION: This document only applies to BIS and not any other assets from other 3rd party issuers at the HEAT Asset Exchange.**

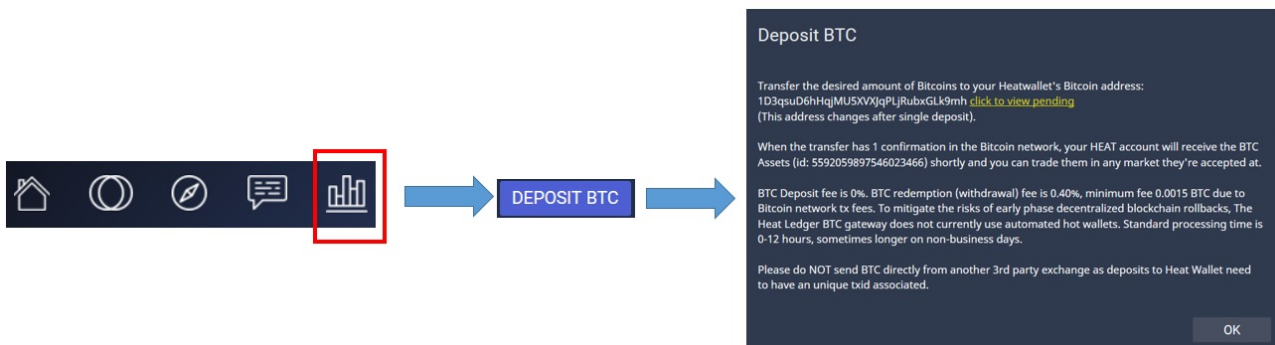
This document describes how to buy the crypto-currency Bismuth with trading symbol BIS using Bitcoins with trading symbol BTC. On the last page of this document the reverse process is described, how to buy BTC using BIS on the decentralized asset exchange on the HEAT blockchain. The first time you try out the steps outlined in this document, it is recommended to start with a small amount of BIS coins or Bitcoins. After you have become familiar with the process, the amounts can be increased.

**CAUTION: This market comprises unverified asset from 3rd party outside the scope of Heat Ledger Ltd redemption gateway.**

**Warning:** be careful with uncertified markets on the HEAT decentralized exchange, see graphics above which is displayed in the HEAT wallet for these markets. Any user of the heat wallet can create his/her own assets and start trading. Many of these assets are scams without automatic gateways, transparency and a dedicated web-site with information. The BIS asset on heatwallet is backed up with real BIS on the Bismuth blockchain and the asset's website is [https://heatnodes.org?page\\_id=859](https://heatnodes.org?page_id=859)

## Step 1A: Sign up for a HEAT account

- If you do not already have an account on the HEAT blockchain, create one at <https://heatwallet.com>.
- Write down your secret phrase and store it in a safe place. The secret phrase usually consists of twelve words separated by space. Do not store this secret phrase unencrypted on your computer or share it with anyone.
- Write down your account ID which consists of typically 18-20 numbers (no letters or symbols). This ID is shared with others when transferring assets or sending messages.



Deposit BTC

Transfer the desired amount of Bitcoins to your Heatwallet's Bitcoin address:  
1D3qsuD6hHqjMUSXVXiqPLjRubxGLk9mh [click to view pending](#)  
(This address changes after single deposit).

When the transfer has 1 confirmation in the Bitcoin network, your HEAT account will receive the BTC Assets (id: 5592059897546023466) shortly and you can trade them in any market they're accepted at.

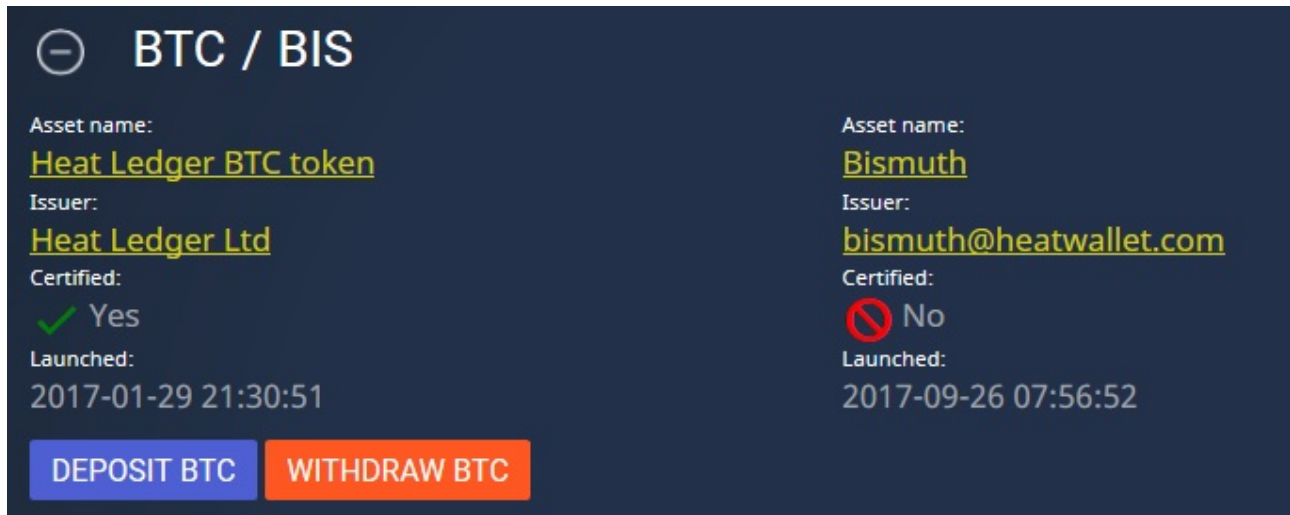
BTC Deposit fee is 0%. BTC redemption (withdrawal) fee is 0.40%, minimum fee 0.0015 BTC due to Bitcoin network tx fees. To mitigate the risks of early phase decentralized blockchain rollbacks, The Heat Ledger BTC gateway does not currently use automated hot wallets. Standard processing time is 0-12 hours, sometimes longer on non-business days.

Please do NOT send BTC directly from another 3rd party exchange as deposits to Heat Wallet need to have a unique txid associated.

OK

## Step 1B: Deposit BTC into your HEAT wallet

- To deposit BTC into your HEAT wallet click on the Asset Exchange symbol (see figure above, left)
- Next click on 'DEPOSIT BTC' and see the instructions above (figure above, right). A Bitcoin address appears where your BTC can be deposited. After one confirmation the equivalent number of BTC asset tokens (asset id 5592059897546023466) will appear in your HEAT wallet.



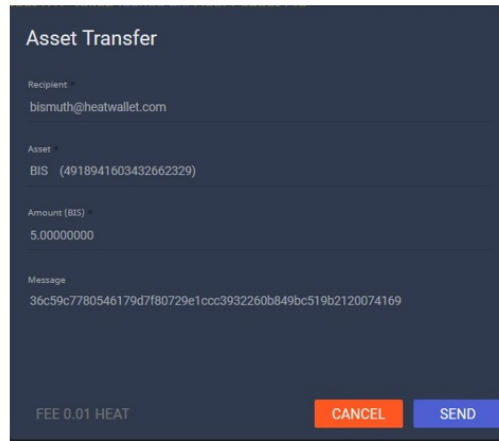
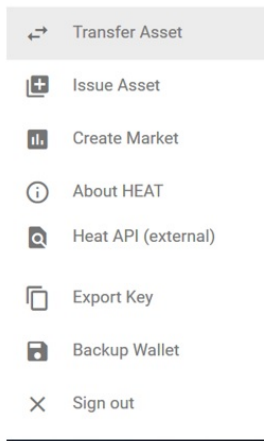
BTC / BIS	
Asset name: <u>Heat Ledger BTC token</u>	Asset name: <u>Bismuth</u>
Issuer: <u>Heat Ledger Ltd</u>	Issuer: <u>bismuth@heatwallet.com</u>
Certified: ✓ Yes	Certified: ⊘ No
Launched: 2017-01-29 21:30:51	Launched: 2017-09-26 07:56:52
<b>DEPOSIT BTC</b>	<b>WITHDRAW BTC</b>

## Step 1C: Buy BIS tokens on the HEAT AE

- Next, find the BTC/BIS market in the asset exchange, see figure above (click first on 'Show un-certified' next to 'Markets'). Note that the BTC asset is certified by the company Heat Ledger Ltd, while the BIS asset was created by heatnodes.org. Only the company Heat Ledger Ltd can, at the time of writing, certify assets on the HEAT AE, and at the moment there is no procedure for 3rd party assets to become certified.
- Next, place your order on the BTC/BIS market. You have to specify a unit price and amount of BIS you would like to buy. Depending on your price level and the interest of the sellers, your trade may close immediately or take a long time.

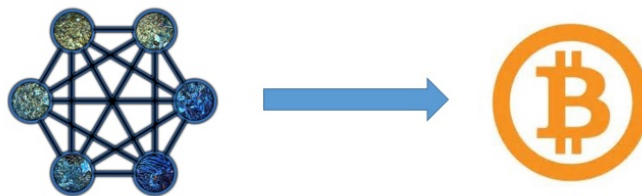
## Step 1D: Create a BIS account

- The BIS assets on the HEAT AE are tokens backed up by real BIS coins sitting in the account 36c59c7780546179d7f80729e1ccc3932260b849bc519b2120074169. At any given time, heatnodes.org guarantees that the number of real BIS in this account is at least as high as the amount of BIS tokens in circulation on the HEAT asset exchange.
- To be able to transfer your BIS token out of the HEAT AE, you need to have your own BIS account. If you do not already have one, create a BIS account using the software at <https://github.com/hclivess/Bismuth/releases>
- Write down your account ID. This ID is shared with others when transferring assets or sending messages.



### Step 1E: Withdraw BIS from HEAT AE

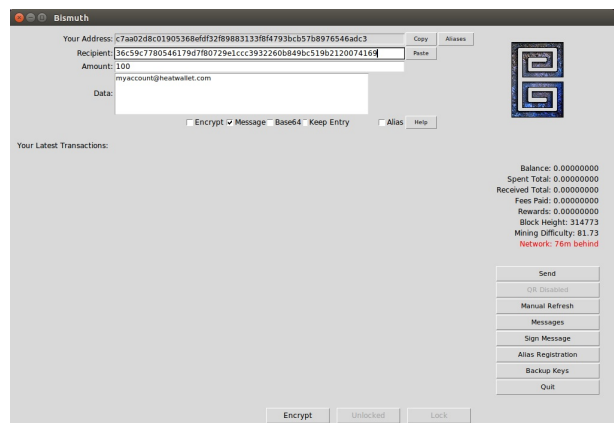
- Transfer the BIS asset (id 4918941603432662329) to the HEAT account bismuth@heatwallet.com (account id 13740114439858105833), see the figure above. Enter the amount you would like to transfer and in the message field, then type or copy in your BIS-address and nothing else. Finally press SEND. After 20 confirmations on the HEAT blockchain, the BIS will be transferred to your account on the BIS blockchain.



Next the reverse process of buying Bitcoins (BTC) using Bismuth coins (BIS) is described.

### Step 2A: Deposit BIS to HEAT AE

From your BIS wallet send your desired amount of BIS coins to the address 36c59c7780546179d7f80729e1ccc3932260b849bc519b2120074169, see figure to the right. In the message field (not encrypted) write your HEAT account ID (18-20 digits) or your account name on the Heat asset exchange, for example username@heatwallet.com. Write nothing else in the message field (HEAT account id or username). Enter your secret passphrase and press SEND. After 20 confirmations on the BIS blockchain you will receive the equivalent amount of BIS asset tokens in your HEAT wallet.



## Step 2B: Sell BIS on HEAT AE

- Log in to your heat wallet, go to the (uncertified) market BTC/BIS and place a sales order for your BIS assets. Enter the unit price and amount and click on SELL. Depending on your desired price level and the buyers interest the sale may happen immediately or take a long time to close.

## Step 3C: Withdraw BTC from HEAT AE

- The instructions for withdrawal (redemption) of the BTC out of the HEAT wallet can be found in the Asset Exchange and by clicking the button labeled WITHDRAW BTC. That information is given below. Note that while BTC deposit is automatic and takes only 1 confirmation, the BTC redemption is, at the time of writing, manual and can take from 0-48 hours and sometimes even longer if the message accompanying the asset transfer is not correct or during weekends and public holidays. For BTC redemptions the BTC asset is transferred to Heat Ledger Ltd's account 9583431768758058558. The manual processing of BTC withdrawals is chosen by the company Heat Ledger Ltd to eliminate the risk involved in this process.

Withdraw BTC

Recipient BTC address

Amount (BTC)

0.04782867

You will receive

0.04632867

Processing and network fee 0.40% (BTC)

Total fee 0.00150000 BTC

Minimum withdraw fee is 0.00150000 BTC

Bitcoin withdrawals are usually processed within 1-24 hours from requests.  
Occasionally longer delays on non-banking days are possible.

FEE 0.01 HEAT

CANCEL WITHDRAW

Questions about this document can be asked in the HEAT Slack at: <https://heatslack.herokuapp.com> or at the Bismuth Slack <https://cryptobismuth.slack.com>

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