

Beginner Tutorial: Using MetaMask and Minting TPC Silver Tokens

(Optional Privacy Path via BISQ Included)

This document provides a structured walkthrough for users who are new to cryptocurrency. It explains how to set up and use MetaMask, how to obtain Ethereum (ETH), and how to mint TPC Silver tokens using the official minting portal.

An **optional privacy-focused path using BISQ** is included later in this document for users who explicitly require a peer-to-peer (P2P) approach.

1. MetaMask Wallet Setup (Including Bitcoin Support)

1.1 Overview of MetaMask

MetaMask is a non-custodial wallet used to manage Ethereum, Ethereum-compatible assets, and—through MetaMask's Bitcoin integration—native Bitcoin accounts. MetaMask is required to interact with the TPC Silver minting smart contract.

Key attributes:

- Non-custodial (you control your keys)
 - Widely supported across Ethereum applications
 - Available on desktop and mobile
 - Supports Ethereum and native Bitcoin accounts (separate)
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1.2 Official MetaMask Download

Download MetaMask **only** from the official website:

<https://metamask.io/download/>

Available for:

- Browser extensions (Chrome, Firefox, Brave, Edge)
 - Mobile devices (iOS and Android)
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1.3 Creating a MetaMask Wallet

1. Install MetaMask from the official source.
2. Select “**Create a new wallet.**”
3. Set a strong password.
4. Write down the 12-word recovery phrase.
5. Store the recovery phrase securely offline.
6. Confirm the phrase to complete setup.

Important:

Never share your recovery phrase or private keys. Anyone with access to them can control your funds.

1.4 MetaMask and Bitcoin Support

MetaMask now supports **native Bitcoin accounts** in addition to Ethereum accounts.

Important distinctions:

- Bitcoin accounts and Ethereum accounts are separate
 - BTC cannot be used to pay Ethereum gas fees
 - Minting TPC Silver tokens requires **ETH on the Ethereum mainnet**
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2. Obtaining Ethereum (ETH)

Ethereum (ETH) is required to interact with the minting smart contract and to pay transaction (gas) fees. The following methods are listed **from simplest to more advanced**.

2.1 Option A: Purchase ETH Directly Within MetaMask (Recommended)

This is the **simplest and fastest method** for most users.

MetaMask allows users to purchase ETH directly using integrated on-ramp providers.

Steps:

1. Open MetaMask.
2. Ensure the wallet is set to **Ethereum Mainnet**.
3. Select **“Buy”** or **“Add Funds.”**
4. Choose a payment method (bank transfer, card, or other supported options).
5. Complete the purchase through the on-ramp provider.
6. ETH is credited directly to your MetaMask wallet.

Notes:

- Availability depends on region and local regulations
 - Fees and processing times vary by provider
 - This method does not require prior cryptocurrency ownership
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2.2 Option B: Convert Existing BTC to ETH (Exchange or Swap)

This option is suitable for users who already hold Bitcoin.

Two common approaches:

Exchange Conversion

1. Send BTC to a cryptocurrency exchange.
2. Trade BTC for ETH.
3. Withdraw ETH to your MetaMask Ethereum address.

Non-Custodial Swap Services

1. Initiate a BTC-to-ETH swap.
2. Provide your MetaMask Ethereum address.
3. Receive ETH directly in MetaMask.

Always ensure ETH is sent on the **Ethereum mainnet**.

3. Minting TPC Silver Tokens

3.1 Official Minting Portal

Access the official minting platform at:

<http://mint.tpc-silver.com>

Always verify the URL before connecting your wallet.

3.2 Connecting MetaMask

1. Open the minting website.
2. Click “**Connect Wallet.**”
3. Select **MetaMask**.
4. Confirm MetaMask is set to **Ethereum Mainnet**.

5. Approve the wallet connection.
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3.3 Minting Ratio

The minting ratio is fixed:

- **100 TPC = 1 silver coin**

Examples:

- 100 TPC → 1 silver coin
 - 1,000 TPC → 10 silver coins
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3.4 Minting Procedure

1. Enter the desired TPC amount.
2. Click “**Mint.**”
3. Review transaction details in MetaMask.
4. Confirm the transaction and gas fee.
5. Wait for blockchain confirmation.

Upon confirmation:

- The silver coin is minted
 - The associated TPC token is issued to the connected wallet
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3.5 Post-Mint Verification

- The transaction is permanently recorded on the blockchain
 - TPC tokens are delivered to the wallet used for minting
 - If the token does not automatically appear, it can be added manually using the official contract address
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4. Optional Privacy Path: Acquiring BTC via BISQ (Advanced Users Only)

This section is **optional** and intended **only for users who require enhanced privacy** and prefer a peer-to-peer (P2P), non-custodial route.

Users who do **not** require privacy can skip this section entirely.

4.1 Overview of BISQ

BISQ is a decentralized, peer-to-peer Bitcoin exchange that allows users to acquire Bitcoin without intermediaries or identity verification.

Key attributes:

- Non-custodial
 - No identity verification
 - Open-source software
 - Escrow-based trade security
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4.2 Important Considerations Before Using BISQ

Before choosing BISQ, users should be aware that:

- Setup is more complex than standard methods

- Initial funding is required before trading
- Trades take longer to complete
- Strict adherence to instructions is necessary
- Additional time is required to become operational

Because of this, BISQ is **not recommended for beginners** unless privacy is a specific requirement.

4.3 Official BISQ Download

Download BISQ **only** from the official website:

<https://bisq.network/downloads>

Supported operating systems:

- Windows
 - macOS
 - Linux
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4.4 Installation and Wallet Setup

1. Install BISQ following system prompts.
2. Launch the application and allow it to connect to the network.
3. BISQ automatically creates a Bitcoin wallet.
4. Back up the wallet seed phrase securely and store it offline.

This wallet will receive any Bitcoin acquired via BISQ.

4.5 Buying Bitcoin on BISQ

1. Fund the BISQ wallet with a small amount of BTC to cover deposits and fees.
2. Navigate to “**Buy BTC.**”
3. Select a payment method and offer.
4. Follow the trade instructions carefully.
5. After trade completion, BTC is released into your BISQ wallet.

BTC acquired through BISQ can later be converted to ETH using the methods described earlier in this document.

5. Security and Operational Best Practices

- Never disclose recovery phrases or private keys
 - Keep backups offline
 - Verify websites before connecting wallets
 - Confirm networks before sending funds
 - Understand that BTC and ETH are separate networks
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6. End-to-End Process Summary

1. Install and configure MetaMask
2. Obtain ETH
 - Directly in MetaMask (**recommended**)
 - By converting existing BTC

3. Connect MetaMask to the minting portal
4. Enter TPC amount and mint
5. Receive TPC tokens and silver coin
6. *(Optional)* Use BISQ **only if privacy is required**