

BitcoinTX CSV Import Guide

Overview

The CSV Import feature allows you to bulk-import your Bitcoin transaction history into BitcoinTX. This is useful for:

- Setting up a new installation with existing data
- Migrating from another tracking system
- Restoring from a CSV backup

Important: The database must be empty before importing. This ensures clean FIFO cost basis calculations. If you have existing transactions, delete them first from the Settings page.

Quick Start Guide

Step 1: Download the Template

Go to Settings → Data Management and click "Download Template". This gives you a CSV file with the correct column headers and sample rows.

Step 2: Fill in Your Data

Open the template in a spreadsheet application (Excel, Google Sheets, etc.) and replace the sample rows with your actual transaction data. Delete any sample rows you don't need.

Step 3: Preview the Import

Upload your CSV file and click "Preview". The system validates all rows and shows you any errors or warnings. Fix any issues before proceeding.

Step 4: Execute the Import

If the preview shows no errors, click "Import" to create all transactions. The import is atomic – if anything fails, no transactions are created.

Field Reference

CSV Columns

Column	Required	Description
date	Yes	Transaction date/time (ISO8601 preferred)
type	Yes	Transaction type: Deposit, Withdrawal, Transfer, Buy, Sell
amount	Yes	BTC amount (positive number, up to 8 decimals)
from_account	Yes	Source account name
to_account	Yes	Destination account name
cost_basis_usd	Conditional	USD cost (required for Buy; optional for Deposit)
proceeds_usd	Conditional	USD proceeds (required for Sell; for Spent withdrawals)
fee_amount	No	Transaction fee amount
fee_currency	No	Fee currency: USD or BTC
source	No	For Deposits: N/A, MyBTC, Gift, Income, Interest, Reward
purpose	Conditional	For Withdrawals: Spent, Gift, Donation, Lost
notes	No	Optional notes (not imported, for your reference only)

Transaction Types

Type	Description
Deposit	BTC entering your portfolio (purchase, gift received, income, etc.)
Withdrawal	BTC leaving your portfolio (spent, gift sent, donation, loss)
Transfer	Moving BTC between your own wallets (no taxable event)
Buy	Purchasing BTC on an exchange with USD
Sell	Selling BTC on an exchange for USD

Account Names

Account	Description
Bank	Your fiat bank account (USD)

Wallet	Your self-custody Bitcoin wallet
Exchange USD	USD balance on an exchange
Exchange BTC	BTC balance on an exchange
External	Outside your portfolio (source for deposits, destination for withdrawals)

Source Values (for Deposits)

Value	Description
N/A	Not applicable or unspecified
MyBTC	BTC you already owned (transferring in)
Gift	Received as a gift
Income	Payment for goods/services
Interest	Earned as interest
Reward	Mining, staking, or other rewards

Purpose Values (for Withdrawals)

Value	Description
Spent	Used to purchase goods/services (taxable sale)
Gift	Given as a gift
Donation	Donated to charity
Lost	Lost or stolen BTC

Account Rules by Transaction Type

Each transaction type has specific account requirements. The system enforces these rules during validation.

Type	From Account	To Account	Required Fields
Deposit	External	Wallet or Exchange BTC	cost_basis_usd (optional, defaults to \$0)
Withdrawal	Wallet or Exchange BTC	External	purpose required; proceeds_usd for "Spent"
Transfer	Wallet or Exchange BTC	Wallet or Exchange BTC	Fee must be BTC if specified; accounts must be different
Buy	Bank or Exchange USD	Exchange BTC	cost_basis_usd required; fee must be USD
Sell	Exchange BTC	Exchange USD	proceeds_usd required; fee must be USD

Supported Date Formats

The following date formats are accepted. ISO8601 with timezone is recommended:

Format	Example
ISO8601 with Z (preferred)	2024-01-15T10:30:00Z
ISO8601 with timezone	2024-01-15T10:30:00+00:00
ISO8601 without timezone	2024-01-15T10:30:00
Date with time	2024-01-15 10:30:00
Date only	2024-01-15
US format with time	01/15/2024 10:30:00
US format date only	01/15/2024

Example Rows

Below are example CSV rows for each transaction type. Use these as templates for your own data.

Buy from Exchange USD:

```
2024-01-15T10:30:00Z,Buy,0.012,Exchange USD,Exchange BTC,500.00,,5.00,USD,,,
```

Buy from Bank (auto-buy):

```
2024-01-20T08:00:00Z,Buy,0.05,Bank,Exchange BTC,2500.00,,10.00,USD,,,
```

Sell (selling BTC on exchange):

```
2024-02-15T11:30:00Z,Sell,0.3,Exchange BTC,Exchange USD,,15000.00,10.00,USD,,,
```

Deposit (BTC entering your wallet):

```
2024-01-20T14:00:00Z,Deposit,0.5,External,Wallet,21000.00,,,Income,,
```

Withdrawal (spending BTC):

```
2024-03-01T09:00:00Z,Withdrawal,0.1,Wallet,External,,5500.00,,,Spent,
```

Transfer (moving between wallets):

```
2024-02-01T16:45:00Z,Transfer,1.0,Exchange BTC,Wallet,,,0.0001,BTC,,,
```

Troubleshooting

Common Errors

Error	Solution
"Database has X existing transactions"	Delete all transactions from Settings before importing
"Invalid transaction type"	Use exactly: Deposit, Withdrawal, Transfer, Buy, or Sell
"Invalid account name"	Use exactly: Bank, Wallet, Exchange USD, Exchange BTC, or External
"cost_basis_usd required for Buy"	Add the USD amount spent (including fees)
"proceeds_usd required for Sell"	Add the USD amount received
"purpose required for Withdrawal"	Add purpose: Spent, Gift, Donation, or Lost
"Invalid accounts for Buy"	Buy must be: from Bank or Exchange USD, to Exchange BTC

"Invalid accounts for Sell"	Sell must be: from Exchange BTC, to Exchange USD
"Invalid accounts for Deposit"	Deposit must be: from External, to Wallet or Exchange BTC
"Cannot transfer to same account"	Transfer requires different source and destination

Tip: Use the Preview feature to validate your CSV before importing. Fix all errors shown in red before clicking Import.