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# **CampBX Documentation**

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### About

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This library provides python bindings for the [CampBX](#) bitcoin trading platform. To obtain API access please [see the documenation at CampBX](#).

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**Note:** All endpoints that require authentication are using HTTPS.

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## Installation

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```
pip install campbx
```





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## Quick Usage

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The API does not require a username and password, however you will have limited access to only the public endpoints.

Initializing the API:

```
from campbx import CampBX
c = CampBX('username', 'password')
```

Getting market ticker:

```
c.xticker()

{'Best Ask': '5.17', 'Best Bid': '5.07', 'Last Trade': '5.07'}
```

Check your account balance:

```
c.my_funds()

{'Liquid BTC': '0.00000000',
 'Liquid USD': '2.19',
 'Margin Account BTC': '0.00000000',
 'Margin Account USD': '0.00',
 'Total BTC': '15.00000000',
 'Total USD': '74.58'}
```

Check your open orders:

```
c.my_orders()

{'Buy': [{'Dark Pool': 'No',
           'Fill Type': 'Incremental',
           'Margin Percent': 'None',
           'Order Entered': '2012-04-10 08:59:51',
           'Order Expiry': '2012-05-11 00:00:00',
           'Order ID': '239801',
           'Order Type': 'Quick Buy',
           'Price': '4.50',
           'Quantity': '16.00000000',
           'Stop-loss': 'No'}],
 'Sell': [{'Dark Pool': 'No',
            'Fill Type': 'Incr',
            'Margin Percent': 'None',
            'Order Entered': '2012-04-05 22:07:05',
            'Order Expiry': '2012-05-06 00:00:00',
            'Order ID': '215603',
```

```
'Order Type': 'Quick Sell',  
'Price': '5.20',  
'Quantity': '15.00000000',  
'Stop-loss': 'No' ]]]
```

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## Debug Mode

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To turn debug mode on and see more verbose output just use *debug\_mode*:

```
c.debug_mode(True)
```



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## Endpoints

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### 5.1 Marketing Data

These endpoints are **public**. Username and password are not required. You can use them to retrieve current market data such as price, last trade, etc.

#### 5.1.1 Depth Table

Full market depth. Each element in these two arrays has two members: first member is Price and second member is Quantity available at that price. Both numbers are rounded to two decimal points.

Usage:

```
c.xdepth()
```

Output:

```
{ 'Asks': [[6.5, 9.0],
  [6, 19.5],
  [5.5, 5.0],
  [5.4, 17.95838012],
  [5.3, 2.0],
  [5.25, 2.0],
  [5.24, 2.0],
  [5.23, 2.0],
  [5.22, 2.0],
  [5.2, 16.33884797],
  [5.17, 128.98382722],
  [5.16, 8.71]],
  'Bids': [[5.13, 51.96],
  [5.12, 54.33980295],
  [5.11, 205.0],
  [5.1, 6.57211378],
  [5.07, 1.5],
  [5.06, 2.0],
  [5.03, 2.0],
  [5, 2.3],
  [4.91, 3.0],
  [4.9, 24.7],
  [4.81, 22.63227921],
  [4.77, 14.5947811],
  [4.76, 10.0],
```

```
[4.75, 10.41848778],  
[4.74, 1.0],  
[4.5, 30.0],  
[3, 83.0]]}
```

### 5.1.2 Market Ticker

Get the best ask, best bid, and last trade

Usage:

```
c.xticker()
```

Output:

```
{'Best Ask': '5.17', 'Best Bid': '5.13', 'Last Trade': '5.13'}
```

## 5.2 Account Data

Access balances, orders, and margin position. All account data endpoints **require username and password**.

### 5.2.1 Account Balances

Latest account balances

Usage:

```
c.my_funds()
```

Output:

```
{'Liquid BTC': '0.00000000',  
 'Liquid USD': '2.19',  
 'Margin Account BTC': '0.00000000',  
 'Margin Account USD': '0.00',  
 'Total BTC': '15.00000000',  
 'Total USD': '74.58'}
```

### 5.2.2 Orders List

Latest orders buy or sell.

Usage:

```
c.my_orders()
```

Output:

```
{'Buy': [{'Dark Pool': 'No',  
 'Fill Type': 'Incremental',  
 'Margin Percent': 'None',  
 'Order Entered': '2012-04-10 08:59:51',  
 'Order Expiry': '2012-05-11 00:00:00',  
 'Order ID': '239801',
```

```

    'Order Type': 'Quick Buy',
    'Price': '4.50',
    'Quantity': '16.00000000',
    'Stop-loss': 'No' }],
'Sell': [{ 'Dark Pool': 'No',
    'Fill Type': 'Incr',
    'Margin Percent': 'None',
    'Order Entered': '2012-04-05 22:07:05',
    'Order Expiry': '2012-05-06 00:00:00',
    'Order ID': '215603',
    'Order Type': 'Quick Sell',
    'Price': '5.20',
    'Quantity': '15.00000000',
    'Stop-loss': 'No' }]}

```

### 5.2.3 Margin positions

Open margin positions

Usage:

```
c.my_margins()
```

Output:

```
{'Margins': [{ 'Info': 'No open Margin positions.'}]}
```

## 5.3 Advanced Orders

Execute advanced orders with more options

### Required Parameters

- TradeMode - *AdvancedBuy* or *AdvancedSell*.
- Price - Decimal or *Market*. The price at which you are willing to buy or sell the Bitcoins.
- Quantity - The amount of Bitcoins to buy or sell.

### Optional Parameters

- FillType - *Incremental*, *AON*, or *FOK*. Default is *Incremental*.
- DarkPool - Use darkpools. *Yes* or *No*. Default is *No*.
- Expiry - The expiration on the order in the *YYYY/MM/DD* format.

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**Note:** Allowed Expiry range is 1 Hour through 31 Days.

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**Note:** Please note that all parameters are case-sensitive. CampBX highly recommends executing small trades and experimenting with all of the possible parameter values before implementing them in your strategy. Expiry date field allows using many relative and absolute values and offers a lot of flexibility. If this is something that you rely on heavily in your strategy, please contact CampBX for details about additional formats.

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Usage:

```
c.trade_advanced({
  'TradeMode': 'AdvancedBuy',
  'Price': 'Market',
  'Quantity': '16.00'
})
```

Output:

```
{ 'Success': '0' }
```

## 5.4 Fund Transfers

Send Bitcoins to other CampBX users, bitcoin addresses, or get your deposit address

### 5.4.1 Instant, Free Bitcoin Transfer

If you need to send Bitcoins to other CampBX users, CampBX recommend using this. This call provides two distinct advantages over the traditional method of sending Bitcoin to an address:

- You can send Bitcoin instantly - there is no need to wait for confirmations from the Bitcoin network.
- You do not need to pay miner fees to transfer Bitcoins.

Parameters

- CBXCode - A valid CampBX account code
- BTCAmt - A decimal amount less than your account balance

Usage:

```
c.send_instant({
  'CBXCode': 'some_code',
  'BTCAmt': '2.50',
})
```

API call returns “Success” if account-to-account transfer is successful. The transaction will appear in your timeline as “CBX Instant Send/Receive”.

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**Note:** The default withdrawal limit is 500 Bitcoins per 24 hours, and it can be raised by submitting a ticket to the helpdesk.

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### 5.4.2 Bitcoin deposits

Get your Bitcoin deposit address

Usage:

```
c.get_btc_address()
```

Output:

```
{ 'Success': 'your_deposit_address' }
```



### 5.4.3 Bitcoin send-to

Send Bitcoins to any address

Parameters:

- \* BTCTo - A valid Bitcoin address
- \* BTCAmt - A decimal amount less than your account balance

Usage:

```
c.send_btc({
  'BTCTo': 'bitcoin_address',
  'BTCamt': '100.00',
})
```

Output:

```
{'Success': 'transfer_id'}
```

---

**Note:** The default withdrawal limit is 500 Bitcoins per 24 hours, and it can be raised by submitting a ticket to the helpdesk.

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## 5.5 Quick sell/buy

Execute quick sell or quick buy orders. Cancel orders.

### 5.5.1 Canceling an open order

Cancel an order

Parameters

- Type - The order type. This is either *Buy* or *Sell*
- OrderID - The ID of the order. You can get this from *c.my\_orders()* in *Account Data*.

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**Note:** The parameters for this call are case-sensitive.

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Usage:

```
c.trade_cancel({
  'Type': 'Buy',
  'OrderID': 239801
})
```

Output:

```
{'Success': 'Order ID 239801 was deleted successfully.'}
```

### 5.5.2 Placing a new order

Place a buy or sell order

Parameters

- TradeMode - *QuickBuy* or *QuickSell*
- Quantity - The amount of Bitcoins to buy or sell
- Price - The price at which you are willing to buy or sell the Bitcoins.

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**Note:** Orders stay open on CampBX order book for up to 31 days. Quantity and Price are decimal values that must follow all rules / limits set by CampBX. Minimum quantity to place an order is 0.1 Bitcoins.

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Usage:

```
c.trade_enter({  
    'TradeMode': 'QuickSell',  
    'Quantity': '10.0',  
    'Price': '4.50'  
})
```

Output:

```
{'Success': '0' }
```

---

## Donations

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If you would like to donate some coins, please donate to this address, 1EzebDR5wMvnSoQ5KQ1zF6UGcYr8qZSF4v



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### License

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#### MIT License

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