

Zichain Trading Terminal Guideline

Alpha version website: <https://trading.zichain.io>

Login: trader

Password: 1234fun

There are two main sections in the terminal: Trading and Execution. The first provides trading functionality: quotes, books, trades, balances, and smart orders. The second is intended for portfolio management and allows you to create a portfolio of cryptocurrencies and purchase/liquidate all coins in the portfolio all at once.

Trading

The main dashboard includes all functionality in a single window. You can add a BTC/USDT symbol to view prices and books; create a new buy/sell order; view your trades and positions.

The screenshot displays the Zichain trading terminal interface. The top navigation bar includes the Zichain logo, 'ALPHA' version indicator, and a user profile 'trader'. The main area is divided into several sections:

- ORDERS:** A table listing active and pending orders. Columns include Order ID (N), Symbol, Side, Price, Qty, Progress, Type, Timestamp, Status, and Text. Orders are color-coded by status: green for 'filled', red for 'cancelled', and blue for 'active'.
- TRADES:** A table showing executed trades. Columns include Order ID, Symbol, Side, Price, Qty, Leaves qty, Timestamp, and Fee.
- BALANCE&POSITION:** A section for managing assets and positions, currently empty.
- SYMBOLS:** A list of available trading pairs with columns for Name, Last price, and Change. An 'Add' button is present for each symbol.
- BOOKS:** A detailed view of the order book for a selected symbol (ETHBTC.BINANCE), showing Ask and Bid orders with their respective quantities and prices.

1. **Symbols.** It basically is a board of realtime quotes of any cryptocurrency pair (BTC/USDT, ETH/BTC, or anything). Use the button 'Add' to add the pair you want to track. Right click on the particular quote allows you to quickly create an order or add the quote to the books.

SYMBOLS

Name ↑	Last price	Change
AMBBTC.BINANCE	0.00002446	9.83%
BNTBTC.BINANCE	0.00028300	1.33%
BTCUSDT.BINANCE	6464.00000000	0.04%
ETHBTC.BINANCE	0.05625500	0.66%
LTCBTC.BINANCE	0.00978800	-0.21%
MFTBTC.BINANCE	0.00000120	0.84%
RDNBTC.BINANCE	0.00008426	0.54%
TRXBTC.BINANCE	0.00000390	2.63%
XRPBTC.BINANCE	0.00005394	2.86%

2. **Books.** It is the board with real-time order books of different cryptocurrency pairs. By clicking on any displayed level, you can quickly create a new order.

BOOKS

ETHBTC.BINANCE × BTCUSDT.BINANCE LTCBTC.BINANCE +

Ask qty	Price	Bid qty
1.780	0.05630200	
0.489	0.05629700	
1.600	0.05629400	
5.667	0.05629100	
27.470	0.05629000	
0.100	0.05628900	
0.506	0.05628600	
0.024	0.05627900	
0.700	0.05627500	
486.563	0.05625600	
	0.05624100	0.828
	0.05624000	66.269
	0.05623400	0.884
	0.05623300	4.740
	0.05623100	0.107

3. **Trades.** You can check the full history of your trades here.
4. **Balance&Positions.** You can check your coin balances here.
5. **Orders.** It is a list of orders with basic information (pair, side, order type, execution time, status and comment)

- **New order**

You can use a set of smart orders in your trading.

Order types:

- **Market.** A market order is an order to buy or sell a given instrument at the market price. The market price is defined as the best available price for the instrument at the moment when the order is placed. Since the price changes in real-time the total and fee are provided as estimates rather than exact values.
- **Limit.** A Limit order is an order to execute a transaction only at a specified price (the limit) or better. A limit order to buy would be at the limit or lower, and a limit order to sell would be at the limit or higher.
- **Iceberg.** Icebergs are large single orders that are divided into smaller limit orders for the purpose of hiding the actual order quantity.

- **Rake.** Rake is a set of multiple orders to buy or sell, automatically distributed among the user-determined price range (from minimum price to maximum). Amount has a random distribution in order to conceal the actual order quantity.
- **Sniper.** The sniper allows you to hide your intent to buy/sell at a given price until there is quantity available at that price on the opposite side of the market.
- **TWAP (will be released soon).** Time-Weighted Average Price (TWAP) is a trading algorithm based on weighted average price, which trades with smaller orders at regular time intervals. It is used to execution of bigger orders without excessive impact on the market price.
- **POV (will be released soon).** Percentage of Volume (POV) is a trading algorithm based on volume, which executes the order quantity as percentage of trading volume of the cryptocurrency pair in a given time interval. It is used to execution of bigger orders without excessive impact on the market price.
- **VWAP (will be released soon).** Volume-Weighted Average Price (VWAP) is a trading algorithm based on pre-computed schedule, which trades with smaller orders according to specific historical volume profile. It is used to execution of bigger orders without excessive impact on the market price.

New order
✕

Symbol	<input type="text" value="BTCUSDT.BINA..."/>		
Type	<input type="text" value="Iceberg"/>	Time In Force	<input type="text" value="GTC"/>
Account	<input type="text" value="XXX"/>	Client code	<input type="text"/>
Qty	<input type="text" value="1.00"/>	Price	<input type="text" value="6,500.00"/>
Price currency	<input type="text" value="USDT"/>	Hedge currency	<input type="text" value="USDT"/>

Display qty

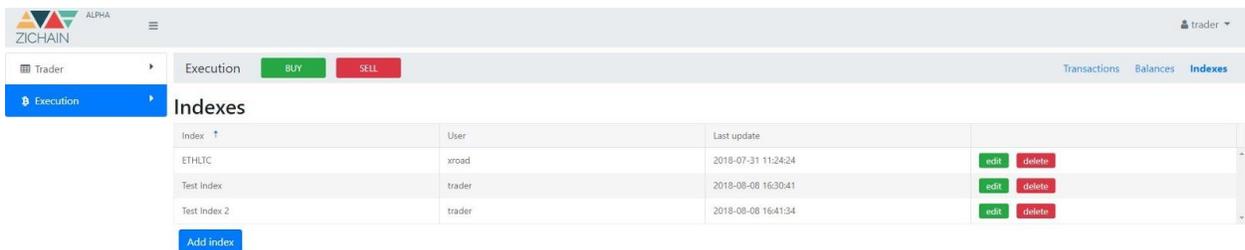
BUY

SELL

Portfolio Management

The portfolio management tool allows to create a portfolio of any number of coins in various proportions, purchase or sell the portfolio, and keep track of its balances.

- 1. Create the portfolio.** Add coins and enter target proportions in amount of coins. For instance, you want a 50-50% cryptocurrency portfolio of Ripple and Ethereum. Given 1 ETH=\$360, and 1 XRP = \$0.36, the proportion of coins 1 ETH : 1000 XRP gives you just the 50-50% split in the portfolio value.



The screenshot shows the ZICHAIN ALPHA interface. The top navigation bar includes the ZICHAIN logo, a hamburger menu, and a user profile dropdown labeled 'trader'. Below the navigation bar, there are tabs for 'Execution' (with 'BUY' and 'SELL' buttons), 'Transactions', 'Balances', and 'Indexes'. The 'Indexes' tab is active, displaying a table with the following data:

Index ↑	User	Last update	
ETH/LTC	xroad	2018-07-31 11:24:24	edit delete
Test Index	trader	2018-08-08 16:30:41	edit delete
Test Index 2	trader	2018-08-08 16:41:34	edit delete

Below the table is an 'Add index' button.

2. Manage the portfolio.

- a. Purchase.** Choose the portfolio you want to build and currency for which the purchase will be made. Specify the parameters (coin amount, execution threshold, number of iterations of liquidation, execution time), and the algorithm will execute all necessary trades for you.

Create execution order

Index

Currency

Exchange ↑	Available	Qty	<input type="button" value="max"/>
binance	0.03605307	<input type="text" value="0.03605307"/>	

Algo params

Execution threshold (price levels)

Number of iterations

Execution time (min 30 sec. per 1 iter.)

Start iterations immediately after previous is completed

- b. Liquidate.** Choose a set of cryptocurrencies you need to convert to BTC. Specify the parameters (coin amount, execution threshold, number of iterations of liquidation, execution time), and the algorithm will execute all necessary trades for you.

Liquidation

From index

Add currency

Exchange ↑	Currency	Available	Qty	<input type="button" value="max"/>	
binance	ETH	0.00000000	<input type="text" value="0.00000000"/>	<input type="button" value="x"/>	
binance	LTC	0.00000000	<input type="text" value="0.00000000"/>	<input type="button" value="x"/>	
binance	BCC	0.01000000	<input type="text" value="0.01000000"/>	<input type="button" value="x"/>	

Target currency

Algo params

Execution threshold (price levels)

Number of iterations

Execution time (min 30 sec. per 1 iter.)

Start iterations immediately after previous is completed

Algorithm Parameters

- ❖ **Execution threshold.** When algorithm fails to execute a trade with a limit order, it creates a 'market-like' order using
 $Price = (Best\ ASK + MIN_STEP * execution_treshold)$
 $Price = (Best\ BID - MIN_STEP * execution_treshold)$
in case of purchase/liquidation respectively.
- ❖ **Number of iterations of liquidation.** The algorithm executes large trades in small chunks. This parameter specifies the number of chunks that portfolio will be splitted in during execution.
- ❖ **Execution time.** The number of seconds to be spent for executing each chunk/iteration.

3. View balances.

Exchange	Currency	Ticker	Avail	Held	Total	BTC value
binance	ETH	ETH	0.00000000	0.00000000	0.00000000	0.00000000
binance	BTC	BTC	0.03605307	0.00000000	0.03605307	0.00000000
binance	LTC	LTC	0.00000000	0.00000000	0.00000000	0.00000000
binance	BNB	BNB	2.97205596	0.00000000	2.97205596	0.00000000
binance	NEO	NEO	0.00000000	0.00000000	0.00000000	0.00000000
binance	BNT	BNT	0.00000000	0.00000000	0.00000000	0.00000000
binance	BCC	BCC	0.01000000	0.00000000	0.01000000	0.00000000
binance	USDT	USDT	6.23686000	0.00000000	6.23686000	0.00000000
binance	OAX	OAX	0.00000000	0.00000000	0.00000000	0.00000000
binance	IOTA	IOTA	0.00000000	0.00000000	0.00000000	0.00000000
binance	TRX	TRX	0.00000000	0.00000000	0.00000000	0.00000000
binance	XRP	XRP	0.00000000	0.00000000	0.00000000	0.00000000
binance	RDN	RDN	0.00000000	0.00000000	0.00000000	0.00000000
binance	AMB	AMB	0.00000000	0.00000000	0.00000000	0.00000000
binance	ADA	ADA	44.00000000	0.00000000	44.00000000	0.00000000
binance	ZIL	ZIL	0.00000000	0.00000000	0.00000000	0.00000000
binance	AGI	AGI	0.00000000	0.00000000	0.00000000	0.00000000
binance	MFT	MFT	0.00000000	0.00000000	0.00000000	0.00000000
binance	POLY	POLY	0.00000000	0.00000000	0.00000000	0.00000000

4. View transaction history. Every execution transaction is carefully stored in the database.

Id	Name	User	Side	Status	Iteratio...	Started	Last update	Comment
11		trader	SELL	filled	2/2	2018-08-09 15:34:55	2018-08-09 15:35:48	
10		trader	SELL	failed	2/3	2018-08-09 15:29:56	2018-08-09 15:30:52	Rejected: Account has insufficient balance for requested action.
9	Test Index	trader	BUY	filled	3/3	2018-08-09 14:50:04	2018-08-09 14:51:34	
8	Test Index 2	trader	BUY	filled	3/3	2018-08-08 16:42:23	2018-08-08 16:43:54	
7	Test Index	trader	BUY	filled	2/2	2018-08-08 16:38:37	2018-08-08 16:39:38	
6	Test Index	trader	BUY	filled	5/5	2018-08-08 16:35:08	2018-08-08 16:37:43	
5		trader	SELL	filled	10/10	2018-08-02 15:27:31	2018-08-02 15:28:39	
4		trader	SELL	stopped	1/5	2018-08-02 15:11:26	2018-08-02 15:11:30	
3		trader	SELL	paused	0/5	2018-08-02 14:44:57	2018-08-02 14:44:57	
2	ETH/LTC	xroad	BUY	filled	3/3	2018-07-31 11:48:30	2018-07-31 11:49:48	
1	ETH/LTC	xroad	BUY	filled	3/3	2018-07-31 11:24:37	2018-07-31 11:25:06	