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Markets

Trade ✓

Futures ✓

Earn ✓

Square ✓

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## What Is Spot DCA and How Does It Work?

Published on 2023-05-24 07:08

Tutorial Frequently Asked Questions

*Disclaimer: In compliance with MiCA requirements, unauthorized stablecoins are subject to certain restrictions for EEA users. For more information, please click [here](#).*

video

### What is DCA?

**Dollar-Cost Averaging (DCA)** is a strategy that involves buying an equal amount of the asset in tokens at regular intervals. It aims to achieve a better average price for the selected trading pair and reduce the impact of market volatility.

### What are trading bots?

Trading bots are automated software designed to help users buy and sell cryptocurrencies at predetermined intervals, with the aim of generating profits. To learn more, please visit [What Are Crypto Trading Bots and How Do They Work?](#).

### What is a Spot DCA bot?

Binance Spot DCA **bot** lets you set how much to buy, when to buy, and when to sell. Based on your parameters, it can help you to:

- Buy more as the price dips
- Sell more as the price increases

In the **Buy** mode, the bot aims to achieve a lower average buy price by placing more buy orders when the market price falls **below** your initial trade. This continues until the market price goes **above** your take-profit percentage, triggering the bot to initiate a sell order. This process is repeated as long as you have sufficient funds in the account.

Tip: Choose the Buy mode if your initial investment is in the quote asset (e.g., USDT).

In the **Sell** mode, the bot aims to achieve a higher average sale price by placing more sell orders when the market price goes **above** your initial trade. This continues until the market price goes **below** your take-profit percentage, and the bot will initiate a buy order. This process is repeated as long as you have sufficient funds in your account.

Tip: Choose the Sell mode if your initial investment is in the base asset (e.g., BTC).

*\*Risk Warning: The above parameter settings and calculations are for reference only. The effectiveness of a price difference, i.e., the trigger for a Spot DCA order, may vary depending on the trading pair you choose. The information presented here does not constitute financial or investment advice by Binance. All trading strategies are used at your discretion and at your own risk. Crypto trading carries a substantial risk and the possibility of both significant profits and losses. Binance shall not be liable to you for any loss that might arise from your use of Spot DCA. We strongly recommend you set stop-trigger orders in advance to prevent uncontrollable market movements from causing irreparable losses.*

### Differences between Auto-Invest, Spot Grid, and Spot DCA

	Auto-Invest	Spot Grid	Spot DCA
Goal	Automate crypto investments to grow your crypto holdings	Make profits on small price changes in volatile markets	Take advantage of market volatility to buy more when the price is low, and sell more when the price is high
Strategy	Automate buy orders with a fixed amount and frequency, similar to dollar-cost averaging	Automate buy and sell orders at preset intervals within a price range (a grid)	Automate buy and sell orders based on price deviation and an order size multiplier, similar to a more advanced dollar-cost averaging
Trading/Orders Rationale	Consistent entry only	Each entry is paired with an individual exit	Multiple entries, single exit

Search

### Related Articles

Binance Spot DCA Parameters

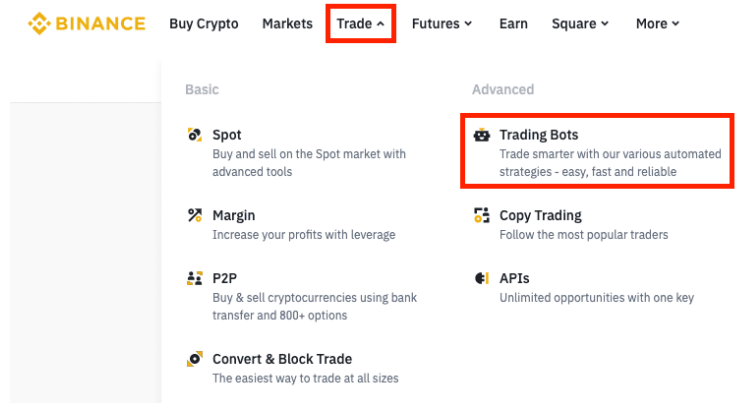


- Convert & Block Trade
- API
- Binance Link
- NFT
- Binance Square
- VIP
- Security
- Other Topics
- Referral & Affiliates
- OTC & Execution services

Trading Bot	Frequency	1. Time-based, consistent order frequency regardless of the market condition	2. Depends on the recurring cycle you set	1. Price-based, more orders when the market is more volatile	2. Depends on the number of grids you set between the interval upper and lower limits	3. In the arithmetic mode, each grid has an equal price difference	4. In the geometric mode, each grid has an equal price difference ratio	1. Price-based, more orders when the market moves against your initial price	2. Depends on the number of DCA orders triggered by the price deviation percentage
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### How to set up a Spot DCA trading bot?

- Log in to your Binance account and click [Trade] - [Trading Bots].



Click the down triangle to expand the list of available trading bots, then select [Spot DCA].

### Trading Bots

Deploy bots for seamless crypto trading automation. Discover and replicate top strategies on Binance.

Active Strategies 110,902 Total Value \$107,921,912.91

Trade Now

My Assets

#### Bot List

Strategy Academy

##### Spot Grid

Buy low and sell high 24/7 automatically with just one click.

- ✓ Volatile Markets
- ✓ Preset Ranges

Create →

##### Futures Grid

Amplify your purchasing power with an advanced version of Grid Trading.

- ✓ Short Orders
- ✓ USD-M / COIN-M

Create →

##### Arbitrage Bot

A delta neutral strategy to earn Funding Fee effortlessly.

- ✓ Funding Rate Arbitrage
- ✓ Hedged Price Risk

Create →

##### Rebalancing Bot

A Long term position strategy supporting an investment portfolio.

- ✓ Diversify risk
- ✓ Dynamic rebalancing

Create →

##### Algo Order

Enhance execution of large orders in smaller blocks with intelligent algo orders. Also available via the API.

- ✓ TWAP and POV
- ✓ Reduce execution costs

Create →

#### Bot List

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Create →

##### Auto-Invest

Use Binance Auto-Invest to accumulate crypto overtime

- ✓ Create Your Plan
- ✓ Recurring Investment

Create →

##### Futures TWAP

Slice large orders into smaller ones to get a better execution price. Available on API trading.

- ✓ Large Orders
- ✓ Price Optimization

Create →

##### Futures VP

Split large orders across a specific market volume ratio. Available on API only.

- ✓ Targeted Volume%
- ✓ Enhanced Execution

Create →

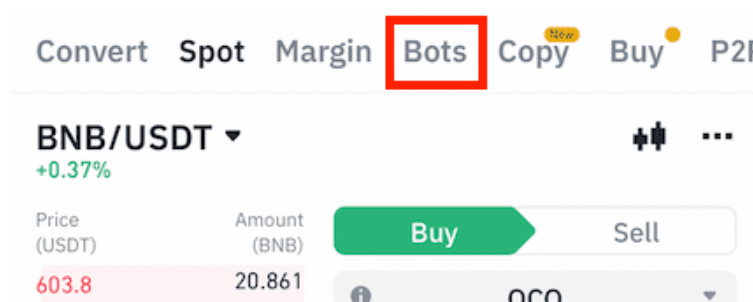
##### Spot DCA

Auto-place buy/sell orders for better average price and close your position favorably.

- ✓ Advanced DCA
- ✓ Price Optimization

Create →

If you are using the Binance App, go to [Trade] - [Bots].



603.7

90.186

603.6

108.354

603.5

117.827

603.4

92.619

603.3

105.566

603.2

66.244

603.1

96.111

603.0

94.056

603.0

≈ \$603

602.9

1.417

602.8

48.129

602.7

136.194

602.6

109.634

602.5

102.186

602.4

139.061

602.3

141.103

602.2

50.932

602.1

81.174

0.1

Limit

Price (USDT)

+

Stop Limit

Stop (USDT)

+

Limit (USDT)

+

Amount (BNB)

+

Total (USDT)

Avbl

651.41779152 USDT

+

Max Buy

-- BNB

Est. Fee

-- BNB

Buy BNB

Open Orders (0)

Holdings

Spot Grid

BNB/USDT Chart

Home

Markets

Trade

Futures

Wallets

Tap [Trading Bots] - [More bots], and select [Spot DCA].

←

Trading Bots

...

Total Balance

\$40.23 USD

Go to Trading Bots Wallet

Bots List

All

Sideways

Bullish

Bearish

Batches

Spot Grid

Buy low and sell high. 24/7 availability

Futures Grid

Automate your longs and shorts

Arbitrage Bot

Delta neutral strategy

Rebalancing Bot

Smart strategy for multi

Delta neutral strategy to earn Funding Fee effortlessly

Smart strategy for a multi-coins portfolio

More bots

### Bots Marketplace

Spot Grid Futures Grid

☐ Trailing Up Top PNL ▾

ORN/USDT

PNL (USD)

\$277.91

147

Trading Bots

Trade

All Orders

Marketplace

←

Trading Bots

⌵ ⋮

Total Balance 👁

\$40.22 USD ▾

Go to Trading Bots Wallet >

Bots List

📈

All Sideways Bullish Bearish Batches

📊 Spot Grid

Buy low and sell high. 24/7 availability

📊 Futures Grid

Automate your longs and shorts

🔄 Arbitrage Bot

Delta neutral strategy to earn Funding Fee effortlessly

🔄 Rebalancing Bot

Smart strategy for a multi-coins portfolio

🕒 Auto-Invest

Accumulate crypto over time

⚙️ Spot Algo Order

Enhance execution of large orders in smaller blocks.

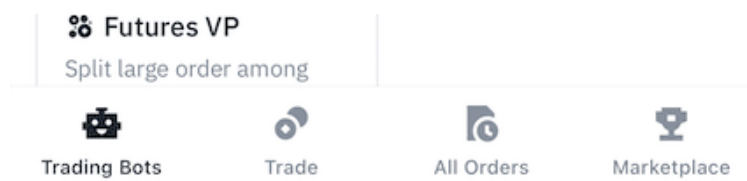
🔄 Spot DCA

Lower average entry cost, profit from reversals

📊 Futures TWAP

Reduce execution costs by splitting orders

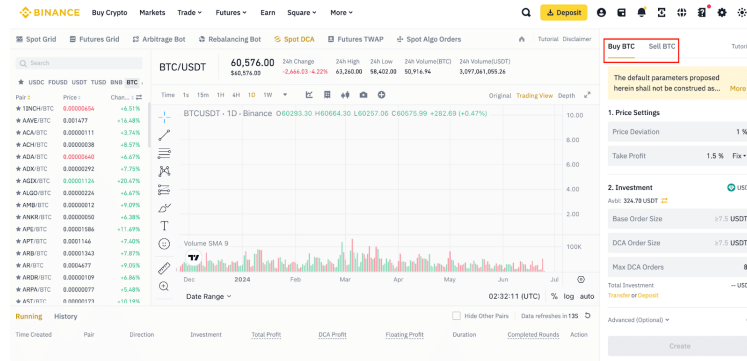




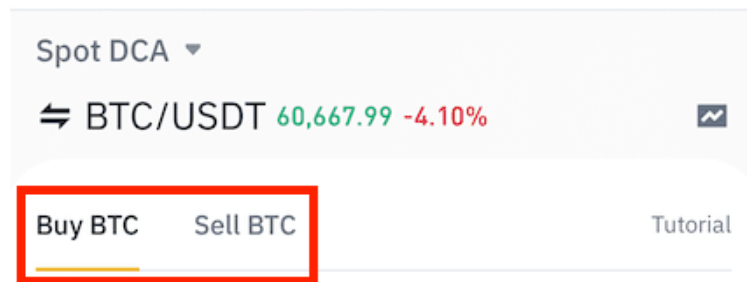
2. You will be then redirected to the Spot DCA trading interface. Select a trading pair, for example, BTC/USDT.

Then, go to the parameter box on the right. Select the **[Buy Token A]** or **[Sell Token A]** mode.

*Important Note: The token displayed will change depending on the trading pair selected. Since we're using BTC/USDT as an example, Token A is BTC and you'll see **[Buy BTC]** and **[Sell BTC]**.*



← 60667.99 BTCUSDT | Spot DCA | Bina...



## 1. Price Settings

Price Deviation

1 %

Take Profit

1.5 % Fix ▾

## 2. Investment

USDT

Avbl: 324.70 USDT ⇄

Base Order Size

≥7.5 USDT

DCA Order Size

≥7.5 USDT

Max DCA Orders

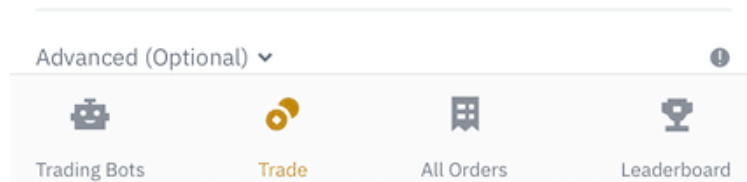
8

Total Investment

-- USDT

Transfer or Deposit

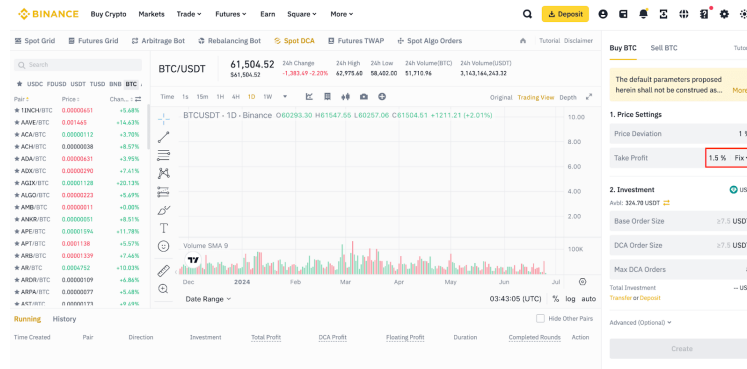




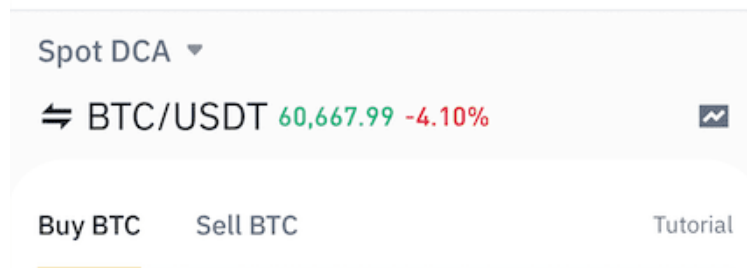
2.1. If you choose the **[Buy Token A]** mode, your investment will be in the form of the quote asset (USDT). You'll need a sufficient USDT balance in your Spot Account to create the trading bot.

2.2. If you choose the **[Sell Token A]** mode, your investment will be in the form of the base asset (BTC). You'll need a sufficient BTC balance in your Spot Account to create the trading bot.

3. Enter a price deviation percentage per order and a take-profit percentage. You may also select **[Fix]** or **[Trailing]** for your take-profit percentage.



← 60667.99 BTCUSDT | Spot DCA | Bina...



The default parameters proposed herein shall not be construed as investment or financial... [More](#)

### 1. Price Settings

Price Deviation 1 %

Take Profit 1.5 % Fix ▾

### 2. Investment

USDT

Avbl: 324.70 USDT

Base Order Size ≥7.5 USDT

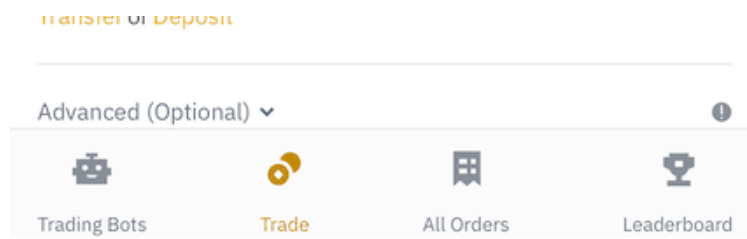
DCA Order Size ≥7.5 USDT

Max DCA Orders 8

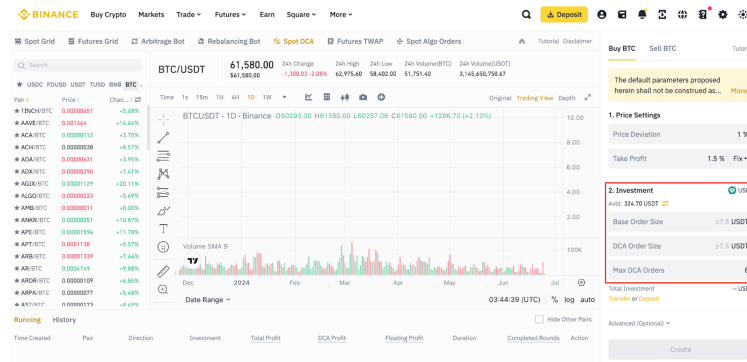
Total Investment -- USDT

[Transfer Deposit](#)

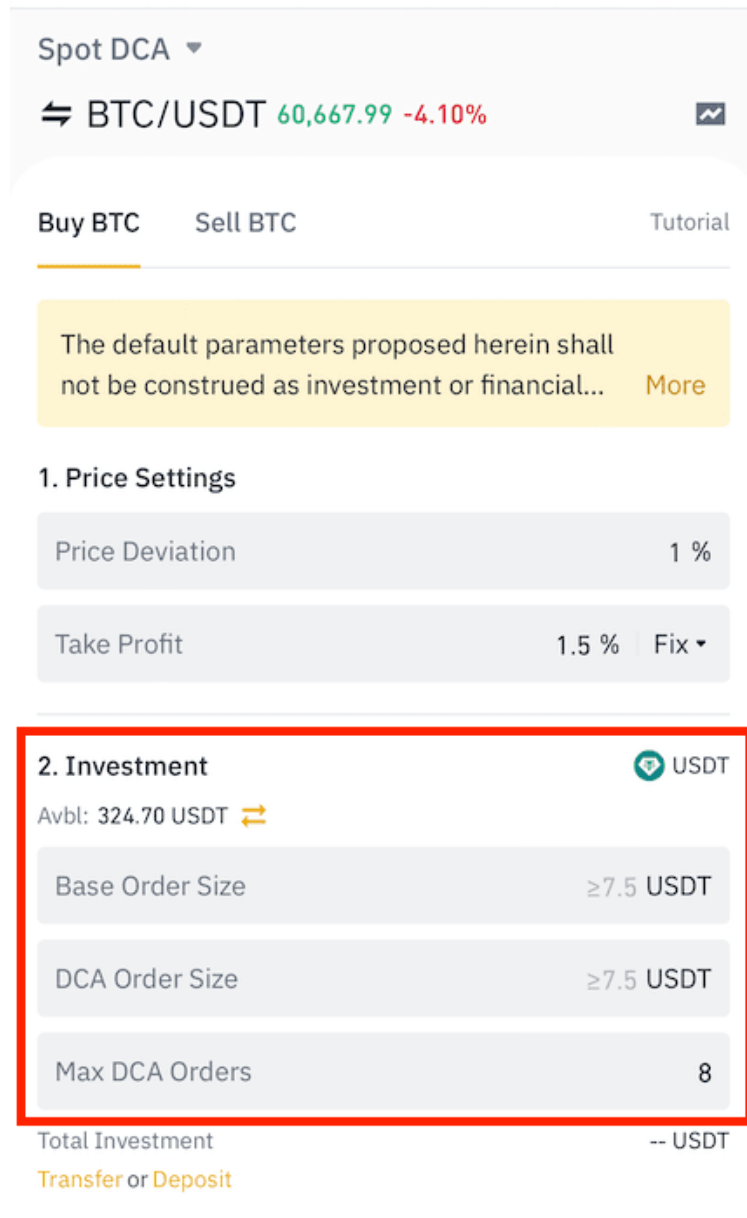





4. Next, enter your investment amount for both base and DCA order sizes and the number of max DCA orders.







← 60667.99 BTCUSDT | Spot DCA | Bina...





Advanced (Optional) 


 Trading Bots
  Trade
  All Orders
  Leaderboard

#### Order settings

- **Price Deviation:** The price difference percentage that triggers DCA orders.
  - **Take Profit:** The target profit percentage based on the average price (before each round ends).
    - **[Fix]** is selected by default. Once the trading bot reaches the take profit percentage, it will trigger a take-profit order and start a new round.
    - If you select **[Trailing]**, it will lock the profit by enabling the trading bot to remain open and continue to profit as long as the price moves in the selected direction and mode. When the trading bot moves in the opposite direction by a specific percentage, it will trigger a sell order and start a new round.
- Note: [Trailing] may not be available for certain trading pairs.*
- **Base Order:** The initial investment amount that will not be exceeded.
  - **DCA Order:** The subsequent investment amount(s) that will not be exceeded.
  - **Max DCA:** The maximum number of DCA orders that will be placed per round.

**Important Note:** You may also set up advanced parameters, such as a trigger price, price deviation multiplier, DCA order size multiplier, cooldown between rounds, lower and upper price range, and stop loss.

#### Advanced settings

Advanced (Optional) 

Trigger Price

USDT

Price deviation multiplier

0.1 - 10

DCA order size multiplier

0.1 - 10

Cooldown between rounds

60 Sec

#### Price Range

Lower

-

Upper

Stop Loss

%

☐ End the bot once stop loss is triggered

- **Trigger Price:** Price of the token that will trigger the trading bot to start.
  - **Price Deviation Multiplier:** The Price Deviation Multiplier determines how the price deviation percentage is multiplied for each subsequent DCA (Dollar-Cost Averaging) order after the initial entry.
  - By default, this parameter equals to 1, which means each additional entry will equal the Price Deviation %.
  - If the multiplier is set to a value greater than 1, it takes effect from the second DCA entry.
  - For example, you are on the buy side and open a long position at \$30,000 for a BTC/USDT pair, with a Price Deviation of 1% and a Price Deviation Multiplier of 2.
  - Base Order = \$30,000
  - DCA #1 = Base Order - (Price Deviation (1%) \* Base Order) = 30000 - 300 = \$29,700
  - DCA #2 = DCA #1 - (Price Deviation (1%) \* Price Deviation Multiplier (2) \* Base Order) = 29700 - 600 = \$29,100 (Base order - 3%)
  - DCA #3 = DCA #2 - (Price Deviation (1%) \* Price Deviation Multiplier (2 \* 2) \* Base Order) = 29100 - 1200 = \$27,900 (Base order - 7%)
  - **DCA Order Size Multiplier:** Multiply the subsequent DCA Order investment amount(s). By default, this parameter equals to 1, which means each additional entry will equal the DCA Order amount. Otherwise, the multiplier will take effect from the second DCA order onwards (The first DCA order remains default after the bot has started).
- For example, your DCA order is 1,000 USDT, and your DCA Order Size Multiplier is set to 2. When the price reaches the designated price deviation, each additional entry will be multiplied.

- DCA #1 = 1,000 USDT = 1,000 USDT
- DCA #2 = 1,000 USDT \* 2 = 2,000 USDT
- DCA #3 = 1,000 USDT \* 2 \* 2 = 4,000 USDT



- **Cooldown between Rounds:** Rest period between each round of execution. By default, the cooldown between rounds is 60 seconds.
  - **Lower and Upper Price Range:** A price range of the selected token's base order that the trading bot will only execute within. Note: For successive rounds, the base order executed may deviate from the price range due to market volatility.
  - **Stop-Loss:** A stop-loss percentage that triggers the trading bot to stop and end.
5. Check the order details carefully before clicking **[Confirm]**.

Spot DCA Setup Confirmation

X

BTC/USDT

Buy BTC

If you confirm to set up the bot with below parameters, 160 USDT in your spot account will be transferred to trading bots wallet and locked for the bot.

Investment

160 USDT

Bot Trigger Price

ASAP

Price Deviation

1%

Take Profit Rate

1.5%

Base Order Size

10 USDT

DCA Order Size

30 USDT

Max DCA Orders

5

Cooldown between rounds

60 sec

Cancel

Confirm

How to view your Spot DCA trading bots?

Website

1. To check your Spot DCA orders and history, go to the **[Running]** or **[History]** tab.

Running		History											
Time Created	Pair	Direction	Investment	Total Profit	DCA Profit	Floating Profit	Duration	Completed Rounds	Actions				
2024-06-25 12:20:29	BTC/USDT	Buy BTC	160 USDT	0.0000 0.00%	0.0000 0.00%	0.0000 0.00%	--	0	End < > & & & &				

2. Click the order icon next to an order to view more details.

Running		History											
Time Created	Pair	Direction	Investment	Total Profit	DCA Profit	Floating Profit	Duration	Completed Rounds	Actions				
2024-06-25 12:20:29	BTC/USDT	Buy BTC	160 USDT	0.0000 0.00%	0.0000 0.00%	0.0000 0.00%	--	0	End < > & & & &				

3. You'll be then redirected to the details page. Here you can view your profit, parameters, current DCA round, and trade history.

BTC/USDT

Spot DCA

Duration: 1m  
Created Time: 2024-06-25 12:20:29

End < > & & & &

Status: Working

Strategy Number: 248202

Total Investment

160 USDT

Total Profit -0.01%  
-0.02 USDT

DCA Profit 0.00%  
0.00 USDT

Floating Profit -0.01%  
-0.02 USDT

Completed Rounds  
0

Current Balance  
150.1938432 USDT + 0.00015993 BTC

Spot DCA Details

Basic Parameter

Advanced (Optional)

Direction

Buy BTC

Trigger Price

ASAP (61288.48 USDT)

Stop Loss and End The Bot

Disabled

Price Deviation %

1%

Price deviation multiplier

1x

Take Profit % / Trailing %

1.5%/--

DCA order size multiplier

1x

Base Order Size

10 USDT

Cooldown between rounds

60 sec

DCA Order Size

30 USDT

Price Range

--

Max DCA Orders

5

Stop Loss

--

Current Round

Filled DCA Orders: 0/5

Duration 1m

Last Price 61241.36 USDT

Average Entry Price

61288.48 USDT

DCA Order

BTC Amount

Price

Price Deviation

Take Profit Price

62207.81 USDT

#1

0.00049

60,475.40

1.00%

Stop Loss Price

-- USDT

#2

0.00049

60,062.72

2.00%

Volume

9.8061568 USDT (+0.00016 BTC)

#3

0.00050

59,449.83

3.00%

#4

0.00050

58,836.95

4.00%

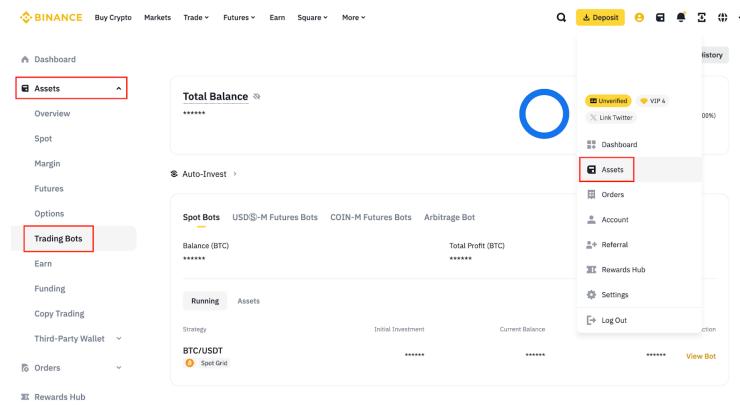
#5

0.00051

58,224.06

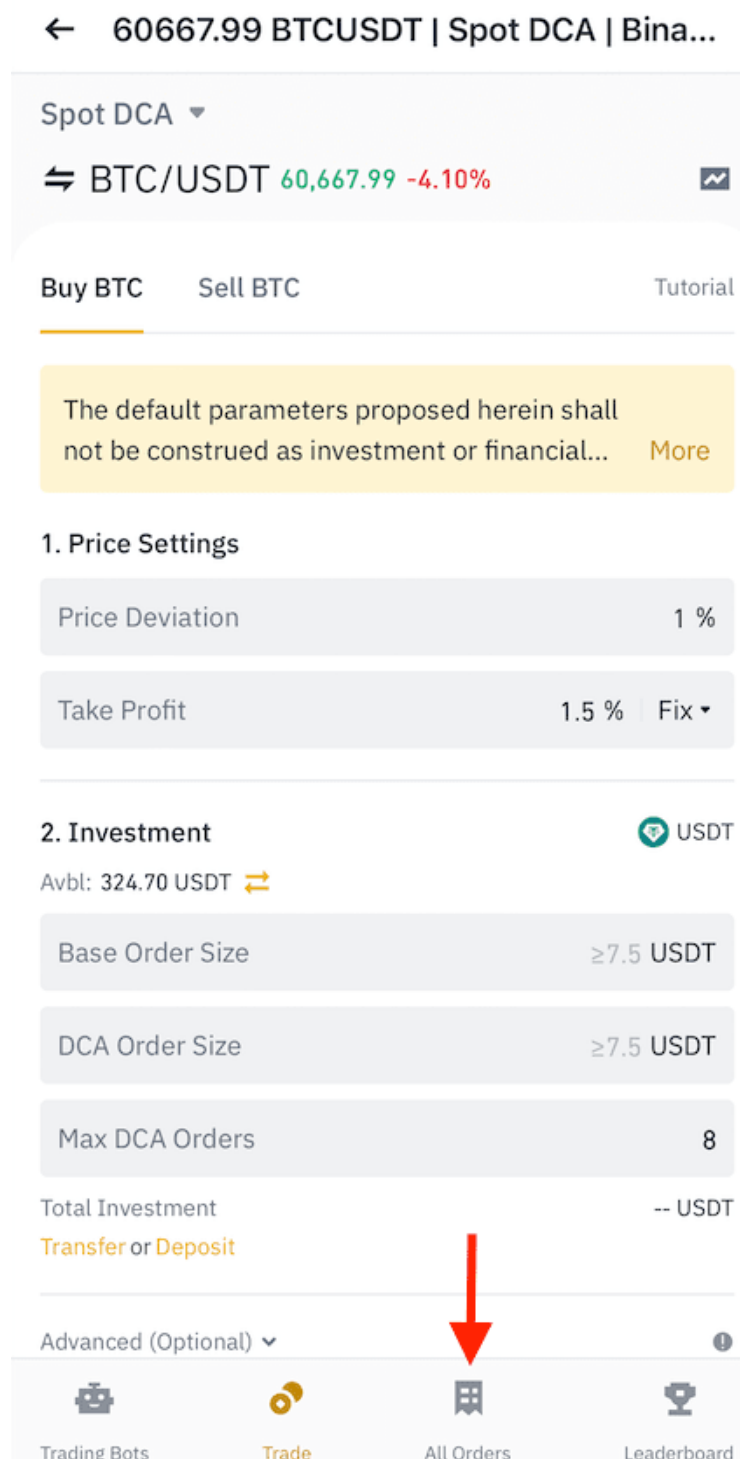
5.00%

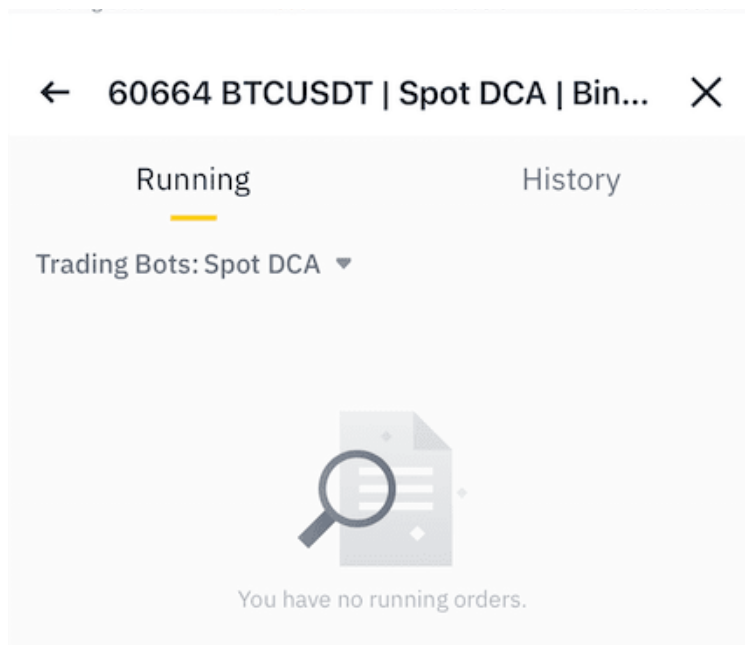
4. To view your trading bots, go to **[Assets]** - **[Trading Bots]**.



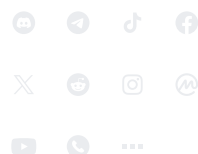
#### App:

Go to the **[All Orders]** tab on the Spot DCA page and you will be able to see your current and past orders.





#### Community



English

USD-\$

Theme

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Bitcoin Price  
Ethereum Price  
Browse Crypto Price Predictions  
Bitcoin Price Prediction  
Ethereum Price Prediction  
Ethereum Upgrade (Pectra)  
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Buy BNB  
Buy XRP  
Buy Dogecoin  
Buy Ethereum  
Buy Tradable Altcoins

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Trading Insight  
Proof of Reserves

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