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Tutorial

What Is Spot DCA and How Does It Work?

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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.*

Copy Trading

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	Consistent entry only	Each entry is paired with an individual exit	Multiple entries, single exit



Convert & Block Trade		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	
API	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 moves against your initial price 2. Depends on the number of DCA orders triggered by the price deviation percentage
Binance Link			
NFT			
Binance Square			

How to set up a Spot DCA trading bot?

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

The screenshot shows the Binance website's navigation bar with 'Trade' highlighted. Below it, the 'Trading Bots' section is visible, featuring categories like Spot, Margin, P2P, Convert & Block Trade, and Trading Bots. The 'Trading Bots' category is highlighted with a red box.

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

The screenshot shows the expanded 'Trading Bots' list. The 'Spot DCA' option is highlighted with a red box. Other options shown include Spot Grid, Futures Grid, Arbitrage Bot, Rebalancing Bot, Algo Order, Auto-Invest, Futures TWAP, Futures VP, and Spot DCA.

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

The screenshot shows the Binance App's navigation bar with the 'Bots' tab selected, highlighted with a red box. Below the navigation bar, a trade screen for BNB/USDT is displayed, showing a buy button and sell button.

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	▼
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
 Profit from price differences between multiple markets

Rebalancing Bot
 Rebalance your portfolio to target weights



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) **\$1,277.91**

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

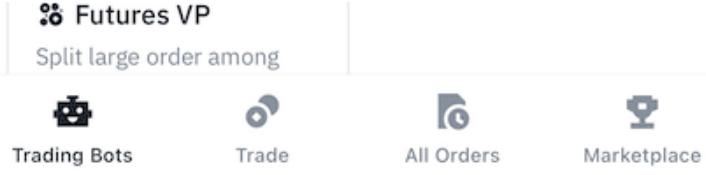
Rebalancing Bot
Smart strategy for a multi-coins portfolio

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].

The screenshot shows the Binance Spot Grid interface for the BTC/USDT trading pair. On the left, there's a list of tokens with their current price and percentage change. On the right, there's a candlestick chart for the last year. At the top right, there are two buttons: "Buy BTC" and "Sell BTC", with "Buy BTC" being highlighted. Below these buttons is a yellow box containing a disclaimer: "The default parameters proposed herein shall not be construed as investment or financial... More". Further down, there are sections for "1. Price Settings" (Price Deviation: 1%, Take Profit: 1.5% Fix), "2. Investment" (Auto: 324.70 USDT, Base Order Size: ≥7.5 USDT, DCA Order Size: ≥7.5 USDT, Max DCA Orders: 8), and "Total Investment" (Transfer or Deposit: -- USDT). A "Create" button is at the bottom right.

← 60667.99 BTCUSDT | Spot DCA | Bina...

The screenshot shows the Binance Spot DCA interface for the BTC/USDT trading pair. At the top, it displays the trading pair (BTC/USDT) and the current price (60,667.99) with a -4.10% change. Below this, there are two main buttons: "Buy BTC" and "Sell BTC", with "Buy BTC" being highlighted. A yellow box contains the disclaimer: "The default parameters proposed herein shall not be construed as investment or financial... More". Under the "1. Price Settings" section, "Price Deviation" is set to 1% and "Take Profit" is set to 1.5% Fix. In the "2. Investment" section, the available amount is 324.70 USDT, and the base order size is set to ≥7.5 USDT. The total investment is set to -- USDT, and the transfer or deposit option is shown as "Transfer or Deposit".

Advanced (Optional) ▾

Trading Bots Trade All Orders Leaderboard

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.

BTC/USDT 61,504.52 24h Change -1.38% (-2.20%) 24h High 61,61547.55 24h Low 61,482.00 24h Volume(BTC) 3,143,144.243.32

Buy BTC **Sell BTC**

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

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

Advanced (Optional) ▾

← 60667.99 BTCUSDT | Spot DCA | Bina...

Spot DCA ▾

BTC/USDT 60,667.99 -4.10%



Buy BTC Sell BTC

Tutorial

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 or Deposit](#)

The screenshot shows the Binance Spot Grid interface. At the top, there's a search bar and a navigation bar with tabs like 'Spot Grid', 'Futures Grid', 'Arbitrage Bot', 'Rebalancing Bot', 'Spot DCA', 'Futures TWAP', and 'Spot Algo Orders'. Below the search bar, a chart displays the BTC/USDT price at \$61,580.00, showing a 24h change of -1.30% (-2.08%). The chart includes a Volume SMA 9 indicator. To the right of the chart, there are sections for 'Price Settings' (Price Deviation: 1%, Take Profit: 1.5% Fix), 'Investment' (Avbl: 314.70 USDT, Base Order Size: ≥7.5 USDT, DCA Order Size: ≥7.5 USDT, Max DCA Orders: 8), and 'Total Investment' (-- USDT). A yellow box highlights the 'Investment' section.

← 60667.99 BTCUSDT | Spot DCA | Bina...

The screenshot shows the Binance Spot DCA interface. At the top, it says 'Spot DCA' and 'BTC/USDT 60,667.99 -4.10%'. Below that are buttons for 'Buy BTC' and 'Sell BTC' and a 'Tutorial' link. A yellow box contains the disclaimer: 'The default parameters proposed herein shall not be construed as investment or financial... More'. The main configuration area is titled '1. Price Settings' with fields for 'Price Deviation' (1%) and 'Take Profit' (1.5% Fix). A large red box highlights the '2. Investment' section, which includes fields for 'Avbl: 324.70 USDT' (with a double arrow icon), 'Base Order Size' (≥7.5 USDT), 'DCA Order Size' (≥7.5 USDT), and 'Max DCA Orders' (8). At the bottom, there are buttons for 'Total Investment' (-- USDT) and 'Transfer or Deposit'.

Advanced (Optional) ▾

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



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.

Order Details	Pair	Direction	Investment	Total Profit	DCA Profit	Floating Profit	Duration	Completed Rounds	Action	More
2024-06-25 12:30:29	BTC/USDT	Buy BTC	160 USDT	0.0007	0.0007	0.0007	—	0	End	More

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

Order Details	Pair	Direction	Investment	Total Profit	DCA Profit	Floating Profit	Duration	Completed Rounds	Action	More
2024-06-25 12:30:29	BTC/USDT	Buy BTC	160 USDT	0.0007	0.0007	0.0007	—	0	End	More

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

B BTC/USDT Spot DCA	Created Time: 2024-06-25 12:20:29	Duration: 1m	End	More
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)
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 #1 0.00049	BTC Amount 0.00049	Price 60,675.40	Price Deviation 1.00%
	Take Profit Price 62207.81 USDT #2 0.00049		60,062.72	2.00%
	Stop Loss Price -- USDT #3 0.00050		59,449.83	3.00%
	Volume 9.8061568 USDT (=0.00016 BTC) #4 0.00050		58,834.95	4.00%
			58,224.06	5.00%

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

The screenshot shows the Binance web platform dashboard. On the left, there's a sidebar with various categories like Dashboard, Assets, Margin, Futures, Options, and Trading Bots. The 'Assets' tab is currently selected. In the main content area, under 'Trading Bots', it shows a table with columns for Balance (BTC), Total Profit (BTC), and Status (Running). One row is visible for 'BTC/USDT' with a 'Spot Grid' strategy.

App:

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

[← 60667.99 BTCUSDT | Spot DCA | Bina...](#)

This screenshot shows the Binance app interface for the Spot DCA feature. At the top, it displays the current price of BTC/USDT as 60,667.99 with a -4.10% change. Below this, there are two main tabs: 'Buy BTC' and 'Sell BTC', with 'Buy BTC' being active. A 'Tutorial' link is also present.

A yellow callout box contains the text: "The default parameters proposed herein shall not be construed as investment or financial..." followed by a "More" link.

The configuration section is divided into two main sections:

- 1. Price Settings** (Active):
 - Price Deviation: 1 %
 - Take Profit: 1.5 % (Fix ▾)
- 2. Investment**:
 - Avbl: 324.70 USDT (Transfer or Deposit)
 - Base Order Size: ≥7.5 USDT
 - DCA Order Size: ≥7.5 USDT
 - Max DCA Orders: 8
 - Total Investment: -- USDT

A large red arrow points downwards from the 'Total Investment' field towards the bottom navigation bar.

The bottom navigation bar includes links for 'Trading Bots', 'Trade' (highlighted in orange), 'All Orders', and 'Leaderboard'.

← 60664 BTCUSDT | Spot DCA | Bin... **X****Running****History**

Trading Bots: Spot DCA ▾



You have no running orders.

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P2Pro Merchant Application

Listing Application

Institutional & VIP Services

Labs

Binance Connect

Learn

Learn & Earn

Browse Crypto Prices

Bitcoin Price

Ethereum Price

Browse Crypto Price Predictions

Bitcoin Price Prediction

Ethereum Price Prediction

Buy Bitcoin

Buy BNB

Buy XRP

Buy Dogecoin

Buy Ethereum

Buy Tradable Altcoins

Service

Affiliate

Referral

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