



# Introduction to the Adam Robot

user manual

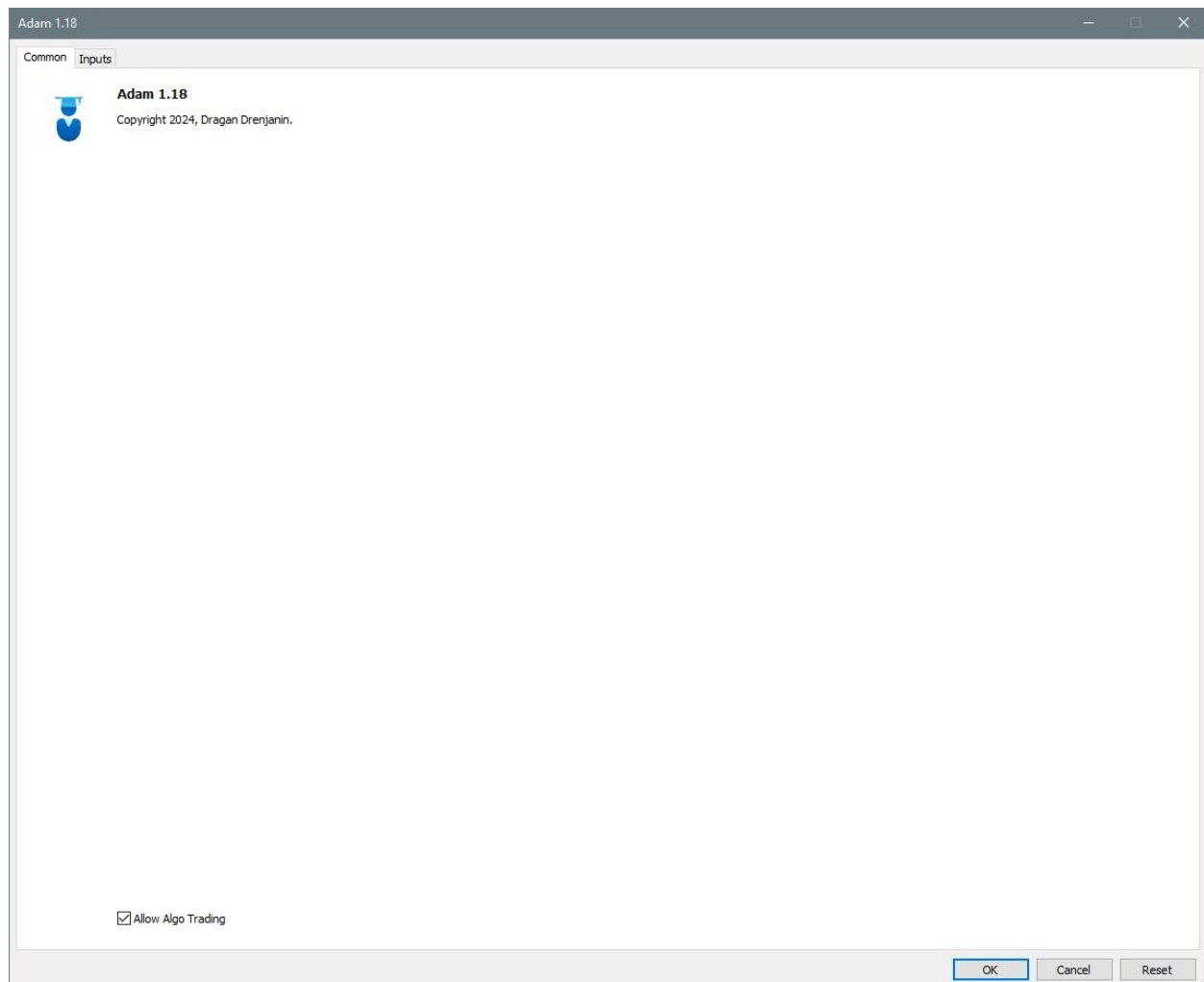
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# ADAM

This document provides a comprehensive guide to the Adam Robot, an advanced algorithmic expert advisor (EA) designed for automated trading on the MetaTrader 5 (MT5) platform. The guide covers the robot's core functionalities, including the use of a custom-built neural network for analyzing market conditions, identifying optimal trading opportunities, and making informed trading decisions. Detailed explanations are provided for the robot's input parameters, focusing on key aspects. The document also outlines how the robot creates and utilizes a database to store training data, enabling continuous improvement in trading strategy over time.

## "Adam Robot User Guide and Neural Network Configuration Overview"



The Adam Robot is a sophisticated algorithmic expert advisor (EA) designed for automated trading on the MetaTrader 5 (MT5) platform. It integrates advanced technical indicators with a custom-built neural network to analyze market conditions, identify favorable trading opportunities, and make optimal trading decisions. The neural network is trained using historical data, enhancing its predictive accuracy over time.

Adam Robot is tailored for traders seeking to automate their trading strategies, thereby reducing human error and optimizing the trading process. It utilizes various technical indicators such as Bollinger Bands, ADX, CCI, TMA, and QQE to detect key entry and exit points in the market. The neural network enables precise decision-making, even under fluctuating market conditions.

### How the Adam Robot Works

Upon its initial launch, the Adam Robot automatically creates a database, setting up a table to store training data. This database is critical, as it holds the results from each training session of the neural network. Over time, the robot uses this stored data to refine its decision-making process, leading to more accurate and effective trading strategies.

Additionally, the Adam Robot systematically scans all available data to identify optimal parameters and conditions for trading. It meticulously searches for the best data points and configurations and then uses these to execute the most advantageous trades. This process ensures that the robot is always operating with the most relevant and effective information.

### How to Use the Adam Robot

The Adam Robot can be easily deployed on any MT5 platform. To effectively utilize it, you need to configure the following input parameters according to your trading strategy:

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### **Money Management**

Variable	Value
Money Management	
1/2 Fixed lot size	0.9

- Lots (0.9): Fixed lot size for trading. Adjust this value according to your risk tolerance and overall capital.

### **Exit Rules**

Exit Rules	
1/2 Take Profit(coef)	4.5
1/2 Stop Loss(coef)	3.5
01 ATR(14)	14

- ProfitTarget (4.5): Coefficient for calculating the profit target (Take Profit) based on market volatility.
- StopLoss (3.5): Coefficient for calculating the stop loss level, also based on market volatility.
- ProfStpATR (14): ATR indicator period used for calculating the profit target and stop loss.

### **Trailing Stop Rules**

Trailing Stop Rules	
1/2 Trailing Stop(coef)	0.5
1/2 Trailing Stop(coef)	0.0
01 Trailing Stop ATR(14)	5
01 Trailing Stop ATR(14)	6

- TrailingStop (0.5): Coefficient for the trailing stop. This value allows automatic adjustment of the stop loss as the price moves favorably.
- TrailingActivation (0.0): Activation level for the trailing stop, based on a specific step.
- TrailingStopATR (5): ATR indicator period used for the trailing stop.
- TrailingActATR (6): ATR indicator period for activating the trailing stop.

### **Break-Even Rules**

Break-Even Rules	
1/2 Breakeven Stop(coef)	0.19
1/2 Breakeven Step(coef)	0.37
01 BreakEven Stop ATR(14)	3
01 BreakEven Step ATR(14)	2

- MoveSL2BE (0.19): Coefficient for moving the stop loss to the break-even level when a trade becomes profitable.
- SL2BEAddPips (0.37): Additional pips added when moving the stop loss to the break-even level.
- MoveSL2BEATR (3): ATR indicator period for break-even stop loss.
- SL2BEAddPipsATR (2): ATR indicator period for adding pips at break-even.

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## "Adam Robot User Guide and Neural Network Configuration Overview"

### Auxiliary Settings

Auxiliary	
Choose trade mode	BUY and SELL
Order Type	Market Orders
Order Expiration (in bars)	1
Max. trade per day	0
Magic Number	5003

- TradeMode (buy\_sell): Trading mode, with options for buy only, sell only, or both.
- OrdType (market): Type of order used for opening positions—market, stop, or limit orders.
- SetOrderExpiration (1): Time in bars for order expiration.
- MaxTradesPerDay (0): Maximum number of trades per day; zero means no limit.
- MagicNumber (5003): Unique identifier for the robot, helping to track all orders opened by this robot.
- CustomComment (Adam): Comment added to each order for easier tracking in trade history.

### Entry Signal Settings

Entry Signal	
BB(20): Period	10
BULLBEAR(13): Period	21
TMA(14):Period	91
QQE(14): Period	16
QQE(5): Period	1
ADX(14): Period	46

- BollingerBandsPeriod (10): Period for the Bollinger Bands indicator.
- BPChangesPeriod (21): Period for the BULLBEAR indicator.
- TEMAPeriod (91): Period for the TMA indicator.
- QQEVle1Crsvle2RSIPrd (16): Period for the QQE indicator.
- QQEValue1CrossVle2sF (1): Period for the QQE filter.
- DIPlusPeriod (46): Period for the ADX indicator.

### Exit Signal Settings

Exit Signal	
CCI(14): Period	16

- WoodiesTrendPeriod (16): Period for the CCI indicator.

### Adam Neural Network Input Parameters

Adam Neural Network	
Epoch	1000
Sessions	1
T: High/Low increases/decreases decisions	1.0
Global factor (from -1.0 to -10)	-2.5
Enable Database log messages	false

- Epoch
- Sessions
- T: High/Low increases/decreases decisions
- Global factor (from -1.0 to -10)
- Enable Database log messages

# "Adam Robot User Guide and Neural Network Configuration Overview"

## Number Of Epochs (1000): Number of Epochs during Neural Network Training

Description: The number of epochs determines how many times the entire dataset will be used to train the network. Each epoch represents one full pass through the dataset.

Impact: A higher number of epochs allows the network to adjust its weights more thoroughly, potentially leading to better learning but also increasing the risk of overfitting. The optimal number of epochs depends on the nature of the data and the specific market conditions.

## Number Of Sessions(5): Number of Sessions during Neural Network Training

Description: This parameter determines the number of training sessions the robot will perform when it starts.

First Run: During the first run, Number Of Sessions must be set to a value greater than zero to allow the robot to gather the necessary training data. The larger this value, the more opportunities the neural network has to learn and optimize its performance.

Subsequent Runs: After the initial run, if further training is unnecessary, set this parameter to zero. When Number Of Sessions is zero, the robot uses existing data from previous sessions to make decisions without additional training.

Impact: The number of sessions directly influences the depth and extent of training. More sessions lead to a more thoroughly trained model, while fewer sessions may result in faster execution but less refinement in decision-making.

## Threshold (1.0): Decision-Making Threshold within the Neural Network

Description: The threshold is a critical parameter used for decision-making within the neural network. It represents the value against which the sum calculated by the network (based on its weights and inputs) is compared.

Functionality: If the threshold exceeds the sum produced by the network, the robot will not execute a trade, as conditions are deemed unfavorable. If the threshold is lower than or equal to the sum, the robot will proceed with a trade.

Effect of Threshold: A higher threshold reduces the frequency of trading, requiring stronger signals to initiate trades. Conversely, a lower threshold increases the frequency of trading, as conditions are more easily met.

## Global Factor (-2.5): Global Factor Influencing Neural Network Decisions

Description: The global factor is an additional parameter that influences the decisions made by the neural network. It can amplify or dampen the signals generated by the network.

Impact: A negative global factor, as in this case, reduces the likelihood of trading by decreasing the overall value of the network's signals. A positive factor would increase the likelihood of trading.

## Print Log Messages (false): Option to Enable or Disable Log Messages Related to Database Operations

Description: This parameter controls whether the robot will display log messages related to database operations. These log messages can help monitor performance and diagnose issues.

Recommendation: If set to true, the robot will output additional information regarding database operations, which can be valuable for understanding its workings and troubleshooting errors.

## "Adam Robot User Guide and Neural Network Configuration Overview"

Adam 1.18

CommonInputs

Variable	Value
Money Management	
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Exit Rules	
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Trailing Stop Rules	
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Auxiliary	
Choose trade mode	BUY and SELL
Order Type	Market Orders
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01 Max. trade per day	0
01 Magic Number	5003
Comment	Adam
Entry Signal	
01 BB(20): Period	10
01 BULLBEAR(13): Period	21
01 TMA(14):Period	91
01 QQE(14): Period	16
01 QQE(5): Period	1
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Exit Signal	
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Adam Neural Network	
01 Epoch	1000
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1/2 Global factor (from -1.0 to -10)	-2.5
Enable Database log messages	false

LoadSave

OKCancelReset

### Conclusion

The Adam Robot is a powerful tool for automated trading, combining technical indicators with a neural network to enable informed and optimized trading decisions. By carefully adjusting its parameters, Adam can significantly enhance your trading performance, helping you capitalize on the best market opportunities. Additionally, its automatic database creation, thorough data scanning, and training data logging provide a robust system for continuous improvement and refinement of trading strategies.

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