



USER MANUAL

ORION EA

Version 4.2

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Automated Trading Expert Advisor
Averaging & Pyramiding Strategy System

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1. Introduction

Orion EA is a fully automated trading expert advisor designed to run on the MetaTrader 5 (MT5) platform. It is built to open and manage trades automatically according to its internal logic, requiring no manual intervention once configured and attached to a chart.

This manual documents every setting that is visible in the EA's Inputs tab inside MetaTrader 5. Each parameter is explained in detail, including its purpose, data type, default value, and how it affects the behavior of the EA. Internal engine logic that is not exposed as an adjustable input is intentionally not covered in this document.

Recommended usage: Orion EA is designed primarily for the XAU/USD (Gold) symbol on the M1 (1-minute) timeframe. It can technically be attached to other symbols or timeframes, but performance should always be verified independently before live use.

2. Trading Strategy Overview

Orion EA operates on an Averaging and Pyramiding strategy. Rather than relying on a single fixed position per trade idea, the EA is designed to build and manage a series of positions over time, adjusting its overall market exposure as price develops.

In general terms, the strategy works as follows:

- The EA opens an initial position automatically when its internal entry logic determines that conditions are suitable.
- If price moves in a direction that is unfavorable to the open position, the EA may add further positions (layers) in the same direction. This averaging process is intended to improve the overall average entry price of the combined position.
- The number of additional layers that can be added is limited by the Maximum Layer setting, preventing unlimited position growth.
- Position size for each trade can either be fixed or automatically calculated based on the current account balance, depending on the Auto Lot setting.
- A set of protection and money-management features — Daily Target, Absolute Close, Stop Out Level, and Averaging Block — work together in the background to help manage overall risk, lock in profit, and prevent excessive exposure.
- Trading activity can further be restricted to specific days of the week and specific date ranges within the month using the Day Filter settings.

Because this strategy relies on adding positions while trades are open, account equity can fluctuate more than with a single-position strategy, especially during extended unfavorable price movement. Proper risk settings and adequate account capital are essential when using Orion EA.

3. Installation & Setup

3.1 Requirements

- MetaTrader 5 (MT5) platform, installed and connected to a trading account.
- A broker account that allows Expert Advisors (EAs) / automated trading.
- Recommended symbol: XAU/USD (Gold). Recommended timeframe: M1.

3.2 Installation Steps

- Copy the file "Orion_v_4_2.mq5" (or its compiled ".ex5" version) into the MQL5/Experts folder of your MetaTrader 5 data directory.
- Restart MetaTrader 5, or refresh the Navigator panel, so the EA appears under the "Expert Advisors" list.
- Open a chart for the desired symbol and timeframe (recommended: XAU/USD, M1).
- Drag and drop the Orion EA from the Navigator panel onto the chart.
- In the EA settings window, go to the "Inputs" tab and configure the parameters as described in Section 4 of this manual.
- In the "Common" tab, make sure "Allow Algo Trading" (or "Allow live trading") is enabled.
- Click "OK" to attach the EA. A smiley-face icon in the top-right corner of the chart indicates the EA is running.

Always test the EA on a demo account first before using it on a live trading account, and confirm that automated trading is enabled both in the platform's toolbar and in the EA's own settings.

3.3 Preset (.set) Files

Orion EA must be run using the official preset (.set) file provided by the developer. Do not create your own input configuration or modify values arbitrarily, as doing so may cause the EA to behave in an unintended or unsafe manner.

- Go to the official download page: <https://www.tflsystem.com/download.html>
- Download the preset (.set) file that matches the version of Orion EA you are using (e.g., v4.2).
- In MetaTrader 5, open the EA's Inputs tab, click "Load", then select the downloaded .set file to apply the official configuration.
- Always check the download page for the latest available preset whenever you update the EA to a new version.

Mandatory: Orion EA must only be operated using the official preset file that matches its version, downloaded from <https://www.tflsystem.com/download.html>. Using an incorrect, outdated, or self-modified preset is not supported and may negatively affect the EA's performance and risk behavior.

4. Input Parameters

This section describes every input parameter exactly as it appears in the EA's "Inputs" tab in MetaTrader 5, grouped in the same order and under the same group headings shown on the platform.

4.1 Order Settings

This group controls how positions are sized, how many layers may be opened, and which trade direction(s) are permitted.

Parameter (as shown in menu)	Type	Default	Description & Function
Use Auto Lot	Boolean	true	Enables or disables automatic lot sizing based on account balance. When enabled, the EA calculates the trade volume using the Auto Lot Step setting instead of a fixed lot size.
Auto Lot Step (Balance per 0.01 Lot)	Double	3000.0	Defines how much account balance is required for each 0.01 lot of trade volume. For example, a smaller value results in a larger calculated lot size for the same balance. This setting is only used when Use Auto Lot is enabled.
Lot Size (if Auto Lot OFF)	Double	0.01	The fixed trading volume (in lots) used for every order when Use Auto Lot is disabled. Ignored when Use Auto Lot is enabled.
Maximum Layer	Integer	5	Sets the maximum number of additional positions (layers) that the EA is allowed to open in the same direction as part of its averaging/pyramiding process. Once this limit is reached, no further layers will be added until existing positions are closed.
Trade Mode	Integer	0	Determines which trade direction(s) the EA is permitted to open: both Buy and Sell, Buy only, or Sell only. Select the desired option using the value described in the parameter's on-screen description shown in the MetaTrader Inputs tab.

4.2 Daily Target

This group manages profit-taking and protective closing behavior related to the account's daily performance.

Parameter (as shown in menu)	Type	Default	Description & Function
Enable Daily Target	Boolean	true	Turns the Daily Target feature on or off. When enabled, the EA monitors the account's daily

Parameter (as shown in menu)	Type	Default	Description & Function
			profit and can close open positions once the configured target is reached.
Daily Target Profit (% of Balance)	Double	10.0	The profit target for the current trading day, expressed as a percentage of the account balance. When this target is reached, the Daily Target feature (if enabled) acts to secure the day's profit.
Enable Absolute Close	Boolean	true	Turns on an additional, absolute equity-based closing safeguard that works alongside the Daily Target feature to help protect accumulated profit or limit drawdown.
Absolute Close (% From Balance)	Double	0.7	The percentage threshold (relative to account balance) used by the Absolute Close feature to trigger a protective close action. Only used when Enable Absolute Close is turned on.

4.3 Day Filter

This group restricts the days and dates on which the EA is permitted to trade.

Parameter (as shown in menu)	Type	Default	Description & Function
Enable Date Filter (start & end of month)	Boolean	true	Enables or disables filtering of trading activity based on the date within the current month. When enabled, the EA only trades from the configured Start Date Active onward.
Start Date Active	Integer	2	The calendar day of the month (e.g., the 2nd) from which the EA is allowed to begin trading, when the Date Filter is enabled.
Monday	Boolean	true	Enables or disables trading on Mondays.
Tuesday	Boolean	true	Enables or disables trading on Tuesdays.
Wednesday	Boolean	true	Enables or disables trading on Wednesdays.
Thursday	Boolean	true	Enables or disables trading on Thursdays.
Friday	Boolean	false	Enables or disables trading on Fridays. By default this is turned off, meaning the EA will not open new trades on Fridays.

4.4 System Parameters

This group covers technical and account-protection settings that support the EA's overall operation.

Parameter (as shown in menu)	Type	Default	Description & Function
Unique Magic Number	Unsigned Long (ulong)	888123	A unique identification number attached to every order opened by this EA instance. It allows the EA to recognize and manage only its own trades, which is especially important when running multiple EAs or multiple instances on the same account.
Max Slippage (Pips)	Integer	50	The maximum allowable price deviation (slippage), in pips, between the requested price and the actual execution price when sending an order. Orders exceeding this tolerance may be rejected by the trade server.
Stop Out Level (%) - Close All	Double	100.0	A protective threshold, expressed as a percentage, that triggers the EA to close all open positions when reached. This acts as a last-resort safeguard to help limit losses on the account.
Averaging Block (%) - Block New Layer	Double	200.0	A percentage threshold used to block the EA from opening any additional averaging/pyramiding layers once reached, helping to prevent the position size or exposure from growing further under adverse conditions.

5. Usage Recommendations

- Always use the official preset (.set) file matching your EA version, downloaded from <https://www.tflsystem.com/download.html> — do not run Orion EA with a self-made or unofficial configuration.
- Always begin on a demo account to become familiar with how the EA behaves under real market conditions before committing real funds.
- Ensure the account balance is sufficient to support the configured Maximum Layer and lot sizing settings, since the averaging/pyramiding strategy can require additional margin as more layers are opened.
- Review the Daily Target, Absolute Close, Stop Out Level, and Averaging Block settings carefully, as these directly affect how profit is secured and how risk is limited.
- Keep the EA and MetaTrader 5 platform running continuously (or use a reliable VPS) so that scheduled behaviors, such as the Day Filter, function as intended.
- Periodically review trading results and adjust settings conservatively rather than making large changes at once.

6. Risk Disclaimer

Trading foreign exchange, metals, and other leveraged financial instruments carries a high level of risk and may not be suitable for all investors. The Averaging and Pyramiding strategy used by Orion EA can, under adverse market conditions, result in significant drawdown or loss.

Past performance, backtest results, or demo account results are not necessarily indicative of future results. You should carefully consider your financial situation and risk tolerance before using this Expert Advisor on a live trading account, and only trade with capital you can afford to lose.

This manual is provided for informational purposes to describe the visible configuration options of Orion EA. It does not constitute financial advice.

— *End of Manual* —