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VOLUME HEDGER

1- About Expert Advisor

VolumeHedger EA - Version 9 - Platform (MT5) - 500x ideally leverage

It is a mathematical algorithmic trading robot designed to generate profits without predicting trends.

Using high leverage is generally more advantageous, as it allows you to enter more trades. With lower leverage, you will need to deposit more capital to meet the required margin.

It is recommended to **start the robot at midnight**. Since backtests are run with the robot starting at 00:00, starting it at the same time on a live account will produce more comparable results. The ideal window is **23:00–01:59**. Starting during fake trend formation periods may cause the indicator to generate signals that lead to trades different from the backtest. It may take **1–2 days** for the EA to correctly capture the real trend and normalize.

2- Installation Guide

Set up on the charts

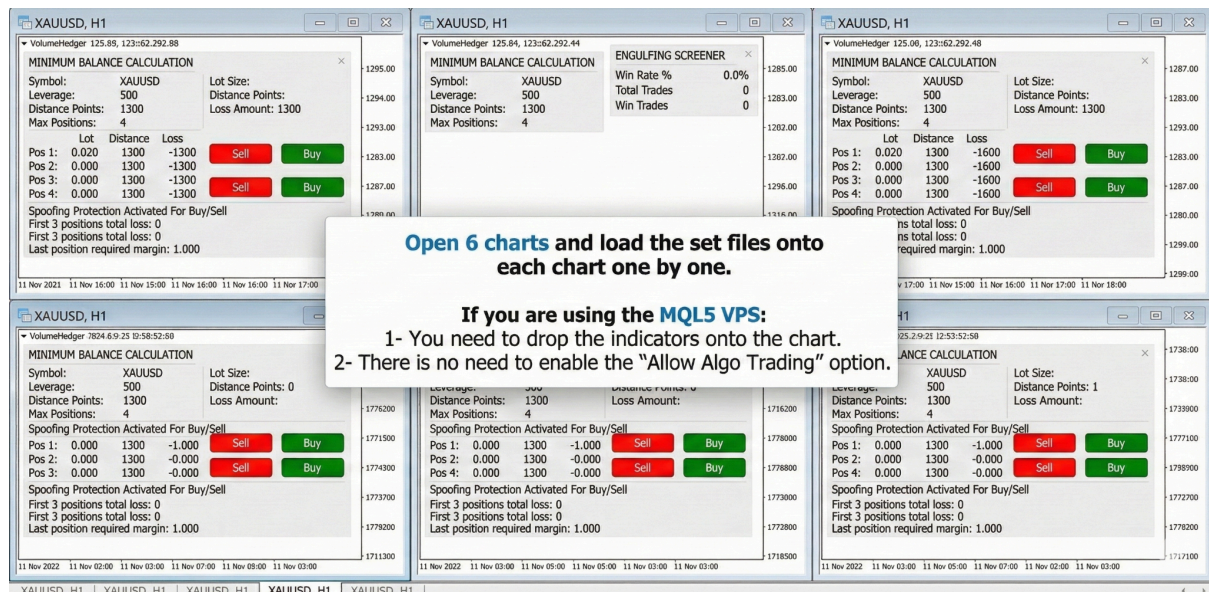
You should open as many charts as you need. Drag and drop the EA onto the charts to start it. When you drag the EA, the settings window will open. In this window, you can use the Load button to load a set file you prepared earlier.

Variable	Value
Recommendations	You can use Gap protection for preventing...
ab Recommends1	You can open/close the balance calculatio...
ab Recommends2	You can use cent accounts for smaller bal...
ab Recommends3	To increase the number of trades, change ...
ab Recommends5	Gap Protection opens a hedge trade, remo...
ab Recommends6	Smart Swap Recovery is ideal for strategi...
ab Recommends7	If you don't trust anyone - not even your o...
ab Recommends8	If you use manual trading feature - it's bet...
ab Thanks For the Review	As a thank you, I'm giving customized set ...
ab Thanks For Purchasing	If you use this EA and trade with my reco...
ab Here Is The Gift	you'll earn the right to free accommodatio...
<<--- Volume(Position) Multiplier -->>	
ab Multiplier Description	The size of opened positions will be scale...
Position Multiplier	false
InitialBalance for Multiplier	750.0
Max Multiplier max:6	6
Based on Balance or Equity for multipli...	EQUITY
Don't forget your account balance befo...	true
<<--- EA Preferences --->>	

You need to keep your computer continuously on and ensure your internet connection is stable. If you cannot guarantee this, you should purchase a VPS service.

If you are using a remote server (dedicated VPS/remote desktop), the Algo Trading button in the MetaTrader terminal must be enabled, and the “Allow Algo Trading” box in the EA settings must be checked.

If you are using an MQL VPS, these steps are not necessary, as the MQL VPS automatically allows it. If you enable it on your own terminal as well, both terminals will run simultaneously, which can cause duplicate trades and conflicts.



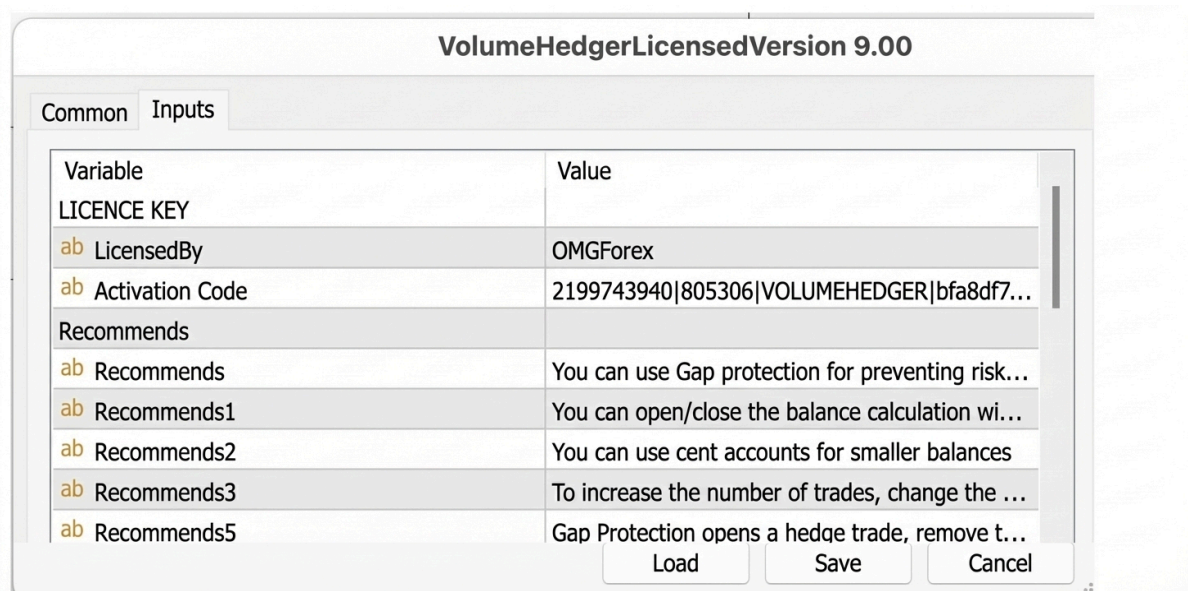
VPS Usage (mql vps vs dedicated vps)

If you are using an MQL VPS, you need to drag the indicators onto the chart. This will upload them to the VPS. You only need to do this once per indicator; there's no need to drag them onto every chart. Additionally, you can disable unnecessary inputs such as alerts in the indicator settings.

If you are using a remote desktop (dedicated VPS) or your own computer, there is no need to drag indicators onto the chart. If the EA cannot find your indicator, it will be removed, which ensures you can verify it.

License Key Usage

If you have purchased a version outside the market that includes a license key, the license key usage will be as shown in the image.



3- EA Overview

Purpose of This EA

It answers the question of whether it's possible to profit without predicting trend direction. Instead of developing hundreds of robots, it provides the flexibility to emulate multiple strategies with a single EA. It also allows users to incorporate many existing market indicators to create their own strategies.

This EA implements a smart method of using a Hedging strategy, offering similarities to breakout strategies. Capturing breakout points and selecting instruments with vertical trends increases the potential profit rate.

Supported Symbols :

Based on testing, the EA has been optimized to work on all instruments. However, to maximize profits and minimize risk, the most recommended instruments are:

BTCUSD – XAUUSD – XAGUSD (Most Profitable Symbols)

Timeframe Compatibility :

It doesn't matter, because the timeframe settings are configured in the indicator section of the settings. The timeframe of the chart itself is irrelevant. This feature provides great flexibility during backtesting and optimization. However, it is recommended not to change the chart timeframe after the EA has started, as this will restart the EA and erase its historical

memory. The EA contains a learning-from-history system, and the “rest period” for the indicator refers to this process.

Strategy Type

The EA can use both Hedging and Martingale strategies together. However, thanks to its flexibility, it is possible to create a strategy without them.

If you set 1 position per trade in the settings, neither hedging nor martingale will be applied. If you keep all position lot sizes equal, martingale will not be applied.

Intended profits

This depends entirely on your risk tolerance. You can aim for 5% monthly or 100% monthly. To achieve higher profits, it is recommended to run 5–6 set files simultaneously. If these sets do not enter trades at the same time, your free margin will be sufficient. To be safer, you can use the blocking magic numbers system. However, using the blocking system may disrupt the indicator’s smart rest system and increase the likelihood of catching fake trends. I recommend reviewing example combined set files for reference.

Strategy Weaknesses

In a sideways chart with small price movements, entering trades in the wrong direction may cause the cycle to close very late. The cycle could close at a loss or recover after a large drawdown. Unlike grid strategies, this hedging algorithm does not perform well in stable markets.

Strategy Strengths

In strong upward or downward trending instruments, this algorithm performs very well. It thrives in chaotic yet stable trends as long as the market remains volatile. Unlike other algorithm types, you do not need to fear news events—just before a news release can actually provide an excellent entry point. You also don’t need to predict direction; only high volume is required.

However, if trades are entered just before critical news, volatility is often low. Since traders are waiting for the news, prices may move sideways for a while, and your open positions may not withstand this zigzag movement. On such days, the risk of losses can increase.

Personal Note:

Grid strategies perform well in sideways trends and are direction-dependent, meaning you can only profit in one direction.

The VolumeHedger EA performs well in trending markets and is direction-independent, entering trades in both directions. Generally, a grid strategy may yield 3–5% monthly (1x), while this EA can generate 10–15% monthly by trading in both directions (2x).

Profit amounts will vary depending on the strategy.

4- Key Features

Spoofing Protection

This is a defense mechanism developed to prevent manipulations targeting algorithmic traders in the Forex market. Neither centralized exchanges nor brokers should know exactly at what price you will exit a position. This feature is vital, especially for popular robots. Due to manipulations and market conditions, past test results (backtests) may not reflect the future.

- Hides the actual TP level: Prevents the broker from seeing your Take Profit level, reducing the risk of manipulation.
- Applies a hidden exit strategy: When the price hits the target, the position is closed manually.
- Provides a fairer trading environment: Helps complete trades without falling into algorithmic traps used by brokers or market makers.
- Slippage management: Takes into account potential slippage during sudden exits. In many cases, this slippage can work in favor of the trader. This protection provides a great advantage in low liquidity or aggressive broker environments.

Smart Swap recovery

While this EA is primarily designed as a scalping robot for short-term trades lasting a few hours, it can occasionally hold positions overnight. Moreover, depending on the set file parameters, we can configure it to maintain trades for extended periods. To provide this flexibility while managing costs effectively, we had to address swap charges. Therefore, we implemented TP level updates to ensure that nightly accumulated swap costs don't negatively impact profitability.

Smart Swap Recovery

Time	Deal	Deal	Symbol	Type	Type	Direction	Volume	Price	Profit	Profit			Comment
2025.01.22 16:00:00	24	31	xausd	buy	in	0.01	2774.85	2744.85	2774.65				VolumeHedger v5.40:P4:Lydians
2025.01.22 11:25:34	25	32	xausd	sell	out	0.01	2744.84	2744.85	2776.58	-0.05	-1.63	-13.01	sl 2744.63
2025.01.23 11:25:54	26	33	xausd	sell	in	0.02	2744.84	2777.83	2277.24		100\$ + 5\$ Swap	-26.18	SellStop:Lydians
2025.01.23 19:41:24	27	36	xausd	buy	in	0.02	2757.93	2747.81	2277.24	-0.10			BuyStop:Lydians
2025.01.23 05:01:11	28	37	xausd	sell	out	0.06	2775.93	2744.43	2775.50		-3.26	105.72	tp 2775.50
2025.01.24 01:01:14	29	39	xausd	buy	in	0.06	2755.39	2781.35	2775.49	-0.30			VolumeHedger v5.40:P4:Lydians
2025.01.27 01:22:18	30	30	xausd	buy	out	0.01	2768.34	2791.35	2775.54			14.00	VolumeHedger v5.40:P4:Lydians
2025.01.27 02:22:09	31	41	xausd	buy	in	0.01	2763.34	2763.00	2760.34	-0.25			VolumeHedger v5.40:P4:Lydians
2025.01.29 18:00:47	32	42	xausd	sell	out	0.01	2757.51	2730.51	2760.31			14.00	VolumeHedger v5.40:P4:Lydians
2025.01.29 18:00:00	33	43	xausd	buy	in	0.01	2755.83	2740.50	2775.50	-0.05		-13.07	VolumeHedger v5.40:P4:Lydians
2025.01.29 21:05:47	34	44	xausd	sell	out	0.01	2745.83	2755.83	2775.00	-0.10		-13.07	SellStop:Lydians
2025.01.29 21:05:52	35	45	xausd	sell	out	0.02	2745.76	2758.88	2779.03		100\$ + 10\$ Swap	-26.00	sl 2745.03
2025.01.29 21:05:22	36	46	xausd	buy	in	0.02	2745.76	2758.89	2779.09	-0.30			BuyStop:Lydians
2025.01.29 22:22:30	37	47	xausd	sell	out	0.02	2758.76	2758.88	2775.56				tp 2757.50
2025.01.30 22:22:30	38	46	xausd	sell	out	0.06	2777.22	2745.75	2775.56	-0.30	-9.77	110.76	tp 2777.19
2025.01.30 12:16:00	39	50	xausd	sell	out	0.06	2777.22	2745.75	2777.19				tp 2777.19

Weekend Gap protection

If this setting is set to true, the EA will open a hedge in the opposite direction when carrying a position over the weekend. In the comment section, it will write "WeekendHedge". This prevents losses caused by weekend gap. The hedge is closed at the specified time, and the EA continues where it left off. If the hedge trade closes in profit or loss, the TP and SL levels of the original trade are updated accordingly.

Thanks to this feature, you can safely include Friday in your trading days.

If your broker uses a different timezone, the WeekendHedge time must be adjusted accordingly. The provided set files support UTC+2 and UTC+3.

If you are using a broker with a UTC+0 timezone, you need to adjust the WeekendHedge and release times based on the time difference (using UTC+3 as the reference).

Example:

Set Hedging Time to 20:45 instead of 22:45

Set Release Time to 00:20 instead of 01:20


(Do not set it to 23:20, as the system will interpret it as Sunday and will not be able to release trades on Monday.)

Note: If the broker timezone is lower than UTC+0, do not use this setting.

Holidays blocking

Holiday periods disrupt vertical trend balance and may cause unpredictable sideways action. In addition to holidays, you can also block x days before and after.

Example:

<<--- Holidays Filter --->>	
 Forbid trade in holidays	true
ab News backtesting is supported for 202...	2022 to 20
ab Currencies for holidays ex:GBP,USD,EUR	USD,CNY
01 Avoid trading on the days BEFORE a h...	0
01 Avoid trading on the days AFTER a hol...	0

It blocks only the holiday itself because it is set to 0 days before and after the holiday.

- Holiday database includes USD, EUR, GBP, JPY, CAD, CHF, AUD, NZD, CNY holidays from 2022–2026

Volume (Position) Multiplier / Auto Scale

Enable this feature if you want your profits to grow as your balance increases. Increasing lot size is not recommended for this EA, because most brokers have low max lot-size limits. Instead, increasing the number of trades is a smarter approach in many situations.

For example:

The Lotsizes: 0.01,0.02,0.06,0.17

The Max Multiplier : 6 and your current balance is big enough for (6 x initialBalance) it will trade:

1. pos = 0.01,0.01,0.01,0.01,0.01,0.01 (6 amount trades according to your balance)
2. pos = 0.02,0.02,0.02,0.02,0.02,0.02
3. pos = 0.06,0.06,0.06,0.06,0.06,0.06
4. pos = 0.17,0.17,0.17,0.17,0.17,0.17

<<--- Trade Parameters --->>	
<input checked="" type="checkbox"/> Lot sizes (comma separated)	0.1,0.2,0.6,1.7
<input checked="" type="checkbox"/> Maximum number of positions (cant be higher than number of lot	4
<<--- Volume(Position) Multiplier --->>	
<input checked="" type="checkbox"/> Multiplier Description	The size.
<input checked="" type="checkbox"/> Position Multiplier	true
<input checked="" type="checkbox"/> InitialBalance For Multiplier	5000
<input checked="" type="checkbox"/> Max Multiplier ex:15	6

Note: When choosing between Based on Balance or Equity, selecting Equity is wiser. When using multiple EAs, equity may decrease due to open positions, so basing calculations on equity is more logical. Additionally, if a bonus or credit is applied to your account, it reflects as Equity, not Balance.

Spread limit

If your broker's spread is very dynamic, it is recommended to use this feature to avoid entering trades under unfavorable conditions. Spreads can also spike during news events, so it's useful to set a reasonable limit. The EA will not enter a trade if the spread exceeds this value, measured in points.

Magic number blocking (Multi Symbol & Multi EA Compatibility)

If you want to block new entries while a position is open, provide the list of Magic Numbers to be blocked (e.g. 12345,65431,34123).

This only affects the first trade of the loop. It also ensures trades are opened in sequence with other EAs, minimizing drawdown.

Future versions will allow filtering so that opening a Buy position won't block a Sell on another symbol.

You'll also be able to allow or block Buy->Buy or Sell->Sell behavior.

- Blocked Magic Numbers: Prevents opening trades if there's a matching Magic Number trade open.
- Allowed Only Reversal Direction: Opens trades based on position type
- Allowed Only Same Direction : Opens trades based on position type

Custom Indicator Strategy

Do you know a better method to detect vertical movements instead of horizontal? Do you have an indicator for it? Then use and test it! You can use a custom or marketplace indicator — just enter the correct path.

After selecting your custom indicator, you must know its Buffer Index. Typically, values in the "Data Window" represent the indicator's buffers and are ordered as 0,1,2, etc. For exceptions, contact the indicator's developer. Shift value represents which candle you want the signal from: 0 is the current, 1 is the last closed candle.

Technical Solutions

Tick protection

Sometimes 5 tick data points arrive per second, sometimes 15. This is difficult to control, so EA performance can vary depending on the broker. When multiple ticks with different price values arrive in the same second, most EAs can become confused. Some technical measures have been implemented to handle this.

Race condition for Multiple Charts

If the VolumeHedger EA is run on multiple charts and tries to enter trades simultaneously, it may miscount the number of active positions. To prevent this, a race condition fix has been implemented in the software.

3 Attempt to trade after error

EAs that insist on trading during error conditions can flood your server logs. To prevent this, a timer is triggered after 3 failed trade attempts.

Clean Code & Fast running

A 10,000-line EA, if written following proper software principles, can run faster than a 100-line EA. It has been optimized to be as fast as possible to improve backtest and optimization performance.

Slippage Protection

As your balance grows, more trades will be executed. The probability of experiencing slippage increases when opening more trades. Even a single trade may experience slippage due to your broker. To prevent this from negatively affecting the cycle, slippage is calculated after trades are opened, and all entry prices, stop loss levels, and take profit levels are updated.

5- Risk Management

Drawdown Control

If you want to set the drawdown (DD) amount, you need to calculate it yourself. The total loss amount is shown on the Calculation panel on the chart. When you adjust the stop loss value, you will see the corresponding change in the total loss.

Stop Logic

The “Distance between orders in points” input indicates the stop loss size for each position.

Calculation min requirement balance

The part you need to pay attention to is usually the “Requires Min Balance” value. Your balance should be higher than this amount. It also shows the loss for each individual position. If slippage occurs, losses may differ, so do not set your minimum balance too tightly.

If you are using low leverage, the margin requirement will be higher. Even if the loss amount remains the same, you should consider whether the total loss or the minimum balance requirement is higher, and load 10–20% more balance than that amount.

Note: If you are using the Position Multiplier and your balance is correspondingly high, the EA will enter more trades, which will increase both the potential loss and the required balance. This calculation assumes a single-position scenario, so do not take the indicator literally. If the multiplier opens 2 positions, the loss amounts will be 2x.

Risk Scaling

::Lot-Size Position Level Usage (RiskMid–RiskLow)

RiskMid set files are designed to achieve the best results with the fewest trades based on backtesting. Even if there are no losses in the backtest, the probability of losses in the future is high.

RiskLow set files include +1 extra recovery position. In unexpected situations, it will enter an additional position to help recover losses.

For this reason, RiskMid files will incur smaller losses, while RiskLow files may result in larger losses. The required minimum balance will also be higher for RiskLow files.

Note: If a set file can amortize losses in 3–4 months, I consider it a good set file. If it can recover in 1–2 months, it is excellent.

For RiskLow files, if they can amortize losses in 7–8 months, we can consider them good.

You can find the total loss amounts in the calculations on the panel on the chart.

::multiple setting usage

I will explain with an example. If we are using a RiskMid file that amortizes over 4 months, waiting 4 months to recover after a single loss can be frustrating. For this reason, I recommend using 4 RiskMid files simultaneously. Load different set files on 4 separate charts. If a loss occurs, you can recover it in about 1 month. This will also help keep your drawdown low.

For example, one RiskMid file may cause a total loss of \$360. When using 4 files, they will not all enter trades at the same time, so we can maintain a balance around \$750–\$1,000. If the monthly profit for each is \$90–\$100, the total monthly profit would be \$400, giving an expected 40% profit and 36% potential loss.

6- How the Strategy Works

This EA is a trading algorithm that combines hedging and intelligent risk management with the Martingale strategy. It is designed to provide stable performance in strong market conditions where you cannot predict trend direction. When using an appropriate set file, it can work on any

instrument. Optimization results have provided successful performance on instruments such as Fx, Gold, Stock and Crypto. Instruments that tend to move sideways are its nightmare. It starts trading with a cycle. Opening the first trade that will start the cycle in the correct position can eliminate risks. Therefore, various cycle starting entry strategies have been developed and continue to be developed.

- Opens systematic positions in both buy and sell directions.
- After a loss, increases lot size following a predefined sequence.
- Minimizes losses by automatically closing positions in the opposite direction.

Example trading cycle:

0.02 SELL

0.04 BUY

0.08 SELL

0.16 BUY

0.32 SELL

....

Entry Conditions

There are two options.

Algo and Manual Trading

The EA will enter a trade only when the indicators generate a signal according to the scenario you configured. You need to wait long enough for it to start automatically.

There is also a set of buttons on the chart to start manual trading. You can disable their display in the settings. However, starting trades manually may disrupt the algorithmic logic, as it can negatively affect the EA's ability to distinguish between real and fake market trends.

For manual trading, we recommend opening a separate chart and using a different magic number to place trades there.

Only Manual Trading

This is a scenario where you can only start the cycle manually. If you are using an Algo on the same chart, make sure to use a different magic number to avoid conflicts.

The Manual Trading feature will still use the settings from the set file. You should pay attention to TP & SL, lot size, and position limits. Even the Position Multiplier feature will affect the number of trades opened.

Exit Rules

In both cases, trades are closed only according to the TP and SL values you have set.

7- Recommended Trading Conditions

Best Brokers

When choosing a broker, pay attention to the following:

- It is important that the market remains consistently active.
- The broker and market provider must have sufficient volume.
 - Otherwise, signals from indicators may not be accurate.
- It is important that spreads are sustainable and not changing frequently.
- They should not be manipulative, and there should be no impossible-looking spike candles.
- Minimal or no slippage is important.
 - Some brokers always apply negative slippage (against the trader), while others apply both positive and negative slippage (sometimes in the trader's favor).
- Always prefer accounts with high leverage.
 - The ideal is **500x**, though **1000x–2000x** can also work well, but spreads and slippage may not remain consistent.

Recommended Broker: [PUPrime](#) (for now)

Some Trading Recommends

- It can be advantageous to avoid trading on holidays, as market consolidation can occur.
- During critical news periods, brokers may manipulate your stop loss. They may deliberately try to trigger it. Under normal conditions, these news times can be perfect moments for hedging, but some brokers or market providers see them as opportunities to force losses. Even if such prices do not exist in the real market, they can generate fake values. Losses occurring in this way are rare, but they can happen if you have open positions at that moment.
 - As a solution, I have an idea to freeze trading during news times and release it again after 2–3 minutes, but I plan to implement this in future versions.

8- Recommended Settings

I provide support in preparing custom set files for your purchased EA. You can request 1 or 2 set files tailored to your needs. I prepare different set files based on the balance that varies from person to person if possible.

I have attached a set file collection in the EA description on the page. I recommend that you perform a backtest and read the documents at least once to understand them.

I suggest testing over the last 1 year, but in some cases, historical data references can be lost. For example, changes in tick data from 2025 caused some set files to appear poor in backtest results. I have prepared a blog about this issue, which you can read for more details -> [Blog](#)

How Should I Use the Set Files?

You may have noticed that there are many set files included. This is because the EA is highly versatile. If I wanted, I could have created 5 different EAs working with the same logic instead of just one. However, by selling you one EA, my intention was to actually give you the power of five.

Now, let's see how you should decide which set files to use:
Ignoring the "risk low" or "risk high" labels, there are two main approaches:

If you want to risk your entire balance:

You can continue with a single trusted set file (with risk low–risk high options).
Alternatively, you can load several set files to increase profit potential.

If you want to risk only part of your balance:

You can use multiple set files but assign a smaller portion of your balance to each.
For example, with a \$350 balance, you could load 5 set files at once — requiring a total balance of around \$1500.
Each set file typically brings around 30% profit. If one loses, only its allocated balance is affected (about \$350). Losses may occur more frequently, but if we know they balance out in the long run, this becomes a profitable strategy.

For instance,
if one set file loses \$350 in the first month, the others might generate \$500 in profit. In this case, despite a 20% drawdown, you still achieve a 30% net gain.

You can also risk only a portion of your balance with a single set file. For example, if one set file risks the whole balance with a 20% expected return, by allocating just 50% of your balance, you could achieve around a 10% return.

Note: The terms “risk low” and “risk high” simply refer to how often losses may occur — not necessarily to overall safety or danger.

9- Backtesting & Input Optimization

Recommended Test Period

I generally recommend testing over the last 1 year, because the instrument’s price is very important for the EA.

For example, if XAUUSD was \$2,500 a year ago and we set a \$25 stop loss target, it equals 1%. A 1% change is not very frequent. Today, if XAUUSD reaches \$4,000 and you still keep a \$25 stop loss, it equals 0.63%, which occurs more often. In this case, smaller zigzag movements on a sideways chart can cause losses.

When the optimal value needs to be adjusted in the future, I will announce it through the channel. Additionally, you can find the best value yourself by backtesting and optimizing using the last 4 to 12 months. (For this, learning the Walk-Forward Test method online will be helpful.)

Settings & inputs

I want to explain which inputs I use for optimization and their purpose.

- First, set Position Multiplier = false (this provides a more reliable analysis for optimization).
 - Initial Balance for Multiplier: This determines how your lot size scales as your balance increases. However, it increases exposure by opening more positions rather than increasing lot size. The healthiest approach is to open more positions without increasing the lot size.
 - Max Multiplier: I set the default to 6 because it provides the most optimal performance. As your balance grows, the number of positions will increase. Managing every position becomes more difficult for the EA, so limiting it to 6 positions helps it run faster.
 - Based On Balance: You can choose to scale based on Equity. If you are running multiple EAs and charts, equity may decrease due to trades opened by other EAs. Limiting the number of trades based on the reduced equity will help prevent a stop-out. By default, I set it to Equity, which appears to work more reliably.
- Save changing the TP and SL values for the end of the optimization process. First, set up your strategy. Then, you can decide on TP and SL values to improve the win rate.
 - Distance between orders: Value in SL points
 - Take Profit: Value in TP points

- Comment: Can be personalized to help distinguish between different strategies.
- Use Different TP for Initial Positions: We set a lower TP for the first trade of the cycle because there is no loss to recover. After running optimization with this set to false, it is smarter to test the strategy with true to increase the win rate of the selected strategy.
- Holidays Filter: Since trading volume is low on holidays, you can disable trading on those days, as well as the day before and after. By default, trading is disabled on the holiday dates for USD and CNY instruments.
If Before and After values are set to 0, only the holiday itself will be excluded from trading. Setting Before = 1 will also prevent trading on the day before the holiday. Holiday dates are determined based on UTC+3.
- Weekday permission For Gold, 1, 2, 3, 4 is ideal. For BTC, 1, 2, 3, 4, 5 works best.
 - When optimizing for Gold, after testing 1, 2, 3, 4, you can add 5 to see the final performance.
 - For BTC, you can include 6 and 7, but I do not recommend it, as weekend volume can drop.
- After Last Trade Pending Timer: After a cycle ends, do not start the next cycle immediately—the trend needs time to rest. Generally, with a 6-hour cycle, market volume patterns tend to repeat.
 - For the best results, set it to 1 hour and 6 candles.
 - If you are satisfied with the results, you can also test 1 minute and 1–5–10 candles to increase the number of trades.
 - I do not recommend using false. It tries to enter trades instantly, but there are asynchronous processes within the EA. If the EA cannot keep up with the execution speed, it may become unstable. (Instead of false, use 1 minute + 1 candle.)
- TrendFilter Settings (ALGO selected)
 - You should select your strategy.
 - Run your tests with Use 2nd Indicator = false first.
 - If you want to make the results more precise, you can set it to true and add a second indicator.
 - If you select MANUAL Trading, you always initiate the first cycle yourself.
 - All other trades will be managed automatically by the EA.
 - The EA will use the properties defined in the set file (TP, SL, etc.), so do not forget to enter appropriate values.
- ATR Settings (if Candle Direction + ATR is selected)
 - I generally think that if the price change is large on a 1-minute candle, the momentum is also strong and it indicates the start of a trend. For this reason, I usually select the 1-minute timeframe and find ATR values between 2.4 and 3.5 reasonable. I have not tested the other minute options.
 - If Use Diff ATR is set to None, the Above and Below options can be used.
 - With the Use Diff ATR feature, the difference between the current candle and the previous candle is calculated.
 - If you want to allow only rising candles, **If atr[0]-atr[1] >= ATR**
 - For both rising or falling candles, **MathAbs(atr[0]-atr[1]) >= ATR**

- ADX Settings
 - You can set the minimum ADX value.
 - You can define the minimum difference between +DI and -DI. If you do not want to use a difference filter, you can set this value to 0.
 - You can decide which trade direction to take when +DI is greater than -DI.
- Custom Strategy
 - Indicator Trade Rules:
 - You can choose the timeframe.
 - shiftIndex:
You can decide which candle to evaluate.
0 refers to the current candle, 1 refers to the previously closed candle.
 - Noise Filter:
If you are checking the indicator signal based on the 5th candle, this setting ensures that there is no opposite signal between candles 0 - 5
 - Remember Last Signal:
For example, if there is no signal on the candle defined by shiftIndex (e.g. candle 0), but the last signal was generated on the 5th candle, the EA will still consider that signal valid and enter a trade. There is no “no signal” state; it will always generate either a buy or a sell signal. This can cause very frequent trading.
 - Use Second Indicator:
You can use this if you want to consider the intersection of the same indicator on a different timeframe. This will result in fewer trades
 - Indicator Settings and Path
 - You can select an indicator from the list. To use any indicator that is not in the list, select “**0 – Custom Indicator.**”
 - If a custom indicator is selected, the EA will check the specified path. If it cannot be found, the EA will be removed.
Example usage: Market/Lydians Indicator
 - To use the signal generated by the indicator, you must specify the buffer indices. If the developer has not provided an incorrect index, the first data of the indicator is usually assigned as index 0 in the Data Window.
Example: Since RSI has only one data buffer, you should use index 0 for both buy and sell signals. There is no need to change these values during optimization; they should be set consciously and deliberately.
 - To define the rules, select the Buffer for Buy Signal and Sell Signal values. If you choose Between, you must use the Between Upper and Between Lower values instead of the Fixed Threshold.
 - “Try Reversing Signal”: You can try entering reverse trades without changing the existing settings. If you get good results with both the normal and reversed signals, it means you have captured a very strong breakout moment. You can try running both set files at the same time. This will open both Buy and Sell positions simultaneously, allowing you to potentially double your profit without increasing drawdown.

- If you are testing a strategy that enters trades very frequently, you should also try the Eliminate Consecutive Signal feature. It filters out consecutive identical signals.

For example, if a sell trade is opened when RSI reaches 70, you may not want the EA to enter another trade on the next candle just because the condition is still valid. In this case, it will not open any new trades until a buy signal is generated at RSI 30.

- 2- Second Custom Strategy
 - If you have enabled the use of a second indicator in the Trend Filter, you can apply the same settings here as well.

How To Use a Custom Indicator

In the Data Window, indicator data usually starts from index **0** and continues as **1, 2, 3...**, unless the developer has defined it otherwise.

You can detect signals by checking the data displayed here. Note that not every indicator you download will contain signal data in this section.

If it does, it will be much easier for you to use.

You can capture signals using the following filters:

Equal, NotEqual, HigherThan, LowerThan, NotEmpty, Between

If you get good results, I would truly appreciate it if you share them with me.

Wishing you the best of luck!

Custom Indicator Settings		Data Window
<input checked="" type="checkbox"/> Select an Indicator	0 - Custom Indicator	BTCUSD,M5
<input type="checkbox"/> Custom Indicator path (if 0 - CUSTO...		Date
<input checked="" type="checkbox"/> BUY signal buffer index	0	Time
<input checked="" type="checkbox"/> SELL signal buffer index	0	Open
<input checked="" type="checkbox"/> Buffer for BUY signal	IF HIGHER_THAN	High
<input checked="" type="checkbox"/> BUY threshold comparison method	Fixed Threshold Value	Low
<input checked="" type="checkbox"/> Buffer for SELL signal	IF LOWER_THAN	Close
<input checked="" type="checkbox"/> SELL threshold comparison method	Fixed Threshold Value	Volume
<input checked="" type="checkbox"/> Fixed Threshold for BUY (HIGHER, ...	70	Tick Volume
<input checked="" type="checkbox"/> Fixed Threshold for SELL (HIGHER, ...	35	Spread

Data Window	
BTCUSD,M5	
Date	
Time	
Open	
High	
Low	
Close	
Volume	
Tick Volume	
Spread	Buffer indexes
<input checked="" type="checkbox"/> Indicator window 1	
RSI MA	
Smoothed	

10- Common Mistakes & Warnings

Configuration Errors

Usage different brokers for same setting

Adjusting settings based on the broker is not unreasonable. Many brokers we use are actually market makers (so-called B-book brokers). Their internal volatility can differ, and even small differences may result in different indicator values. For this reason, I recommend not using the system without running at least one year of backtesting first.

broker timezone (weekend gap protection)

If your broker uses a different timezone, the WeekendHedge time must be adjusted accordingly. The provided set files support UTC+2 and UTC+3.

If you are using a broker with a UTC+0 timezone, you need to adjust the WeekendHedge and release times based on the time difference (using UTC+3 as the reference).

Example:

Set Hedging Time to 20:45 instead of 22:45

Set Release Time to 00:20 instead of 01:20

(Do not set it to 23:20, as the system will interpret it as Sunday and will not be able to release trades on Monday.)

Note: If the broker timezone is lower than UTC+0, do not use this setting.

Setting the Multiplier Max Position value too high

It will auto-scale based on your account balance. However, as you increase this value, the EA will open more positions, which may slow down the CPU. I have determined the optimal maximum value to be 6.

Broker Issues

news time blocking problems

Some brokers prevent you from opening trades 2–3 minutes before major news releases. If you already have an open position and a pending order is about to be triggered as part of a stop-loss or hedging sequence, the broker may block the new order while allowing the open position to be closed by stop loss. Any pending orders may also be deleted if there are no open positions.

To avoid such scenarios, I recommend using the suggested brokers. As a potential solution, if I can implement a hedging protection feature during critical news periods—freezing all

trading activity for 2–5 minutes—this issue could be avoided. However, this feature has not been developed yet.

Spike & manipulating

Some brokers operate as market makers (B-book), meaning they try to internally hedge trades that are opened in the same direction. If they do not have sufficient volume, they may generate artificial candles—so-called spikes—that do not reflect real market conditions.

Such situations can lead to significant losses due to large slippage.

Try to use the recommended brokers. Sometimes even the most popular brokers can work against you.

dynamic spreads & slippage

Do not judge spreads based on their minimum values. The most critical moments are when the spread reaches its maximum.

Even if TP and SL values are properly set and trades are closed accordingly, brokers may still make excuses such as high volume or rapid price movements on the chart. If every instance of slippage is applied against you while profits are never adjusted in your favor, I recommend changing that broker. Some brokers do apply slippage in the trader's favor as well.

negative slippages

When closing trades, positions may be closed at a price much worse than the value you see on the chart. I refer to this as negative slippage. This happens quite frequently. You can notice it by checking the exact closing price of the closed position. Do not be misled by the broker advertising a low spread.

11- Troubleshooting

EA did not enter a trade!

- Have you enabled algo trading? Click both buttons to **allow algo trading**.
- Did you wait long enough for it to open a position? The EA doesn't enter a trade right after it starts; it waits for the **conditions** to be met.
- Try performing a **backtest** with a very high deposit amount to avoid margin-related issues.
- Your account leverage may be insufficient. (margin call issues) Try on accounts with **leverage** over 500.
- The set files were tested and configured based on a pair with 2 digits after the decimal. If your broker uses **3 digits**, add an extra 0 to Spread limit, Tp, and distance values.
- **Spread limits** may prevent entry. Set them to False.

- Check the **weekday permission** input values. It may be disabled for weekend or weekday trading in the settings. "weekdays: (1,2,3,4,5) weekend: (6,7)"
- If it's entering trades on backtest or demo but not on live, proper conditions may not have formed yet. Broker-provided data does not have to be the same for every account. Please restart and wait 1 week more.
- **Bank holiday** protection may be active. Check if today is a bank holiday.
- Try manual trading. Your broker may not be allowing trades. (some account types require **min balance condition** to be met)
- If it's none of the above, please check the log (experts) records and send me a message with a screenshot.

Orders Not Closing/ Closing early

- TP and SL values must be filled; otherwise, please contact me.
- If Spoofing Protection is enabled, the TP value is fake data and is set to a high level. When the targeted profit value is reached, the EA will close the positions using an instant close.

Pending Orders Not opening / Closed

- If you have reached the Max Level Lot-Size position limit, the EA will not place a pending order next to the most recently opened active position.
- If the Max Level Lot-Size limit has not been reached:
 - The market may have been closed at the exact moment the order was about to be placed. Restart the EA as soon as the market opens (changing the timeframe will also restart it).
 - The order may not have been placed due to insufficient margin. Add more funds to your account and restart the EA (changing the timeframe will also restart it).

12- Usage Recommendations

- Ensure that your account balance is above the minimum balance value shown. Try to add 10% more (depends on the leverage)
- If you have lower leverage, you should have a higher balance.
- You can reduce max pos value to lower drawdown. But sometimes this negatively affects the risk/reward ratio.
- You can increase profits by running the EA on multiple charts. However, use the Blocking Magic Number feature to avoid negatively impacting your equity.
- It can also be used on prop firm funded accounts. But since such systems are designed to make the user lose money by nature, I recommend not wasting time with them.
- Adjust lotsize list considering Distance and Take Profit ratio

- Enable “After Trade Timer” to give 6–12 hours rest to the market
- Use Bank Holiday filter to avoid trading during unstable conditions (USD,CNY, ..)
- Install EA on multiple pairs and use Blocked Magic list to increase trading frequency
- Use Allowed magic list with multiple set files to boost earnings
- Try enabling Gap Protection to avoid weekend gaps
- Start the EA around **00:00 server time**.

13- Support & Contact

I am generally a busy person. I am not someone who enjoys working long hours; however, I truly enjoy thinking. In order to focus on developing new things, I prepared this guide PDF so it can assist you. It may be incomplete. If what is written here does not satisfy you, you are of course welcome to contact me. I try to reply to every email. For very short questions, you can also message me via the MQL5 platform.

Telegram: [@furkanomg](https://t.me/furkanomg)

email: furkan@omgforex.com

mql5: <https://www.mql5.com/en/users/kanfur78>

14- Disclaimer - Risk Disclosure

Market rules can change every year. In a market where even historical data can be altered or reinterpreted, placing bets on any algorithm involves risk. Past backtest results are not proof that a system will perform the same way in the future. The only guarantee I can provide is that there is no overfitting or curve fitting in the EA code itself.

This is a hedging strategy robot development tool. When using your own strategies or pre-developed strategies, please remember that all responsibility lies with you.

15- About the Developer

My journey, which began with Computer Engineering, has now passed the 10-year mark. Software was never just about writing code for me; it was about thinking mathematically, understanding systems, and constantly chasing the question “why does this work this way?”. My curiosity for finance and mathematics naturally pulled me into the world of algorithmic trading.

For my university graduation project, I developed a custom tool to prove a mathematical algorithm of my own design. It was a highly unconventional approach for its time. Unfortunately, because the concept was not fully understood, the project was graded with the lowest score. That experience taught me early on that ideas outside the norm are not always easily accepted.

Back then, there were no job opportunities in this field, no capital, and I didn't even know the right platforms. So I followed a conventional path and started working as a backend developer. Over the years, I worked on large-scale systems in various organizations. From the outside, everything seemed fine, but internally I always felt that "there has to be more than this."

At some point, I realized that I wasn't seeing the true return of the value I was producing. I made a radical decision: I resigned and started traveling the world. While trading manually since 2018, I eventually returned to what I had known from the very beginning — algorithms. I was reminded that markets, just like code, should be managed with mathematics rather than emotions.

The time I spent in Asia and the meditation practices I encountered there taught me something important: sharing knowledge instead of hoarding it. I realized that sharing my trading robots with others was not a bad idea; on the contrary, they gained meaning as they spread.

Today, I share both paid and free algorithmic trading robots. Knowing that tens of thousands of people have benefited from the free robots is my greatest motivation. I truly value feedback, because I believe a strong system is not built by a single mind, but by shared experience.

If you would like to stay informed about my new robots, new features, and their set files, please join my channel: [Furkan's Robots](#)

16- Free Hotel Accommodation

I genuinely love and deeply appreciate everyone who leaves comments, provides feedback, and especially supports me with kind words. Each person who makes me feel that I am not alone on this journey holds a special place with me.

While traveling the world, a vision gradually became clearer in my mind: a hotel that brings together a party atmosphere and a healthy lifestyle concept. A place that offers both entertainment and a balanced way of living under one roof — something far from ordinary.

Everyone who leaves comments, purchases my products, and trades with the brokers I recommend through my referral links will be eligible for free accommodation at this hostel, within the limits I will define. I don't see this as a promotion, but as a thank-you to a community that grows together.

And **yes...**

This is the year.

I plan to announce the hotel project sometime **in 2026.**