

EXPER ADVISOR GRID HEDGING AUTOMATIC STRATEGY AUTOTRADING & AUTOLEARNING

Expert Advisor per MT4 (MQL4)

Experience in MQL4, Robust and secure Expert Advisor development, Trading experience required
Algorithmic, Experience in the Mathematical and Statistical field, because the expert will be based on METHOD
MATHEMATICAL and STATISTICAL ADVANTAGES to increase the WIN RATE probability

Must Work on any Asset **FOREX, STOCK INDICES, STOCKS, COMMODITIES, CRYPTO**

NO DISCRETIONARY TRADING
NO DIRECTIONAL TRADING

Dashboard your Chart with:

Result = Profit

Floating PL= Drawdown

Closed PL = Profitto



Result : 298.90 \$
.....
Floating PL -251.10
Closed PL 550.00

MAIN: Lots/Size

Number of Grid Levels from 1 to many per side

LOT MULTIPLIERS LEVELS & TOTAL PROFIT LEVELS (not for this strategy)

Example:

Livello 1 Lots 0.02 Total Profit 10.00

Livello 2 Lots 0.02 Total Profit 10.00

Livello 3 Lots 0.05 Total Profit 20.00

Livello 4 Lots 0.10 Total Profit 40.00

Livello 5 Lots 0.20 Total Profit 80.00

Livello 6 Lots 0.40 Total Profit 160.00

Livello 7 Lots 0.80 Total Profit 320.00

Each Level Always Opens 2 Opposite Positions

Distance between PTS or PIPS Levels (GAP)

Take Profit PTS o PIPS

Take Money (Total Profit closes all trades at that set profit to clear the floating,
CHECK IF HEDGING IS OPEN, closing Main Trades without hedging coverage)

Break Even PTS or SAFETY PIPS


Trailing SL PTS o PIPS DINAMICO - STEP

Stop Loss PTS or PIPS (not used in this strategy)

Stop Loss in Money (closes all trades at that set total negative loss/drawdown/floating and locks out
the Expert Advisor) see also risk money management

Each Level Opens to Above Buy Stop and Sell Limit

Each Level Opens to Below Sell Stop and Buy Limit

- Buy Stop & Sell Limit
- 
- Sell Stop & Buy Limit
 - Open Order Price xxxx or Distance (PTS or PIPS)

Buy Distance from Ask or Initial Price in Auto Mode

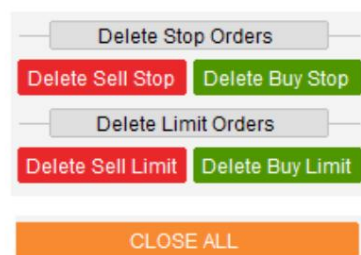
Sell Distance from Bid or Initial Price in Auto Mode

Every time an order is closed, only the closed one is automatically reopened, so the expert advisor has an algorithm with CONTROL FUNCTION and reopens the closed ones to have the double BUY % SELL position on each price level.

IMPORTANT: It reopens the LIMITS when it touches the level, exceeds it and goes back, it reopens the STOPs either when it gets close to the level 30 pts or pips away BEFORE or as soon as it touches it, if you manage to reopen 30 pts or pips before in moments of high volatility there is no risk of not reopening, so in moments of trend you already have the STOPs to cover

Closing keys

- A) Close All
- B) Close all profit
- C) Close all loss
- D) Close Buy Stop/Close Sell Stop) Close Sell Limit Close Buy Limit



Dynamic Grid: Order spacings are adjusted based on market volatility using an ATR multiplier and Spread, which helps to better capture market movements.

GAP Calculator (GRID DISTANCE)

Gap calculation data of the selected currency (night or weekend) period 15/30 days based on the Spread and ATR

ATR Data The Average True Range Period 15/30/50 to understand the volatility of the instrument Data

Expert Advisor Start Schedule Time START HOUR =

01.00 The time when the expert advisor will open the first position

Start_Hour=false;

If set to true, as soon as you start the expert advisor, you are immediately operational and open the first positions. Regardless of the time

Floating Money Management Automation (DYNAMIC COVERAGE)

•Autolearning function maintaining a balance between long and short

Automated balanced system control function in case of section imbalance (Floating Profit and Loss) unrealized profits and losses, with automated intervention or alert for manual intervention to insert one or more opposite trades for balancing.
CONTROL FUNCTION

Example if the market is going up and starts to open buy stop (grid card 20 price levels with a distance of 300 points) every time it opens a buy stop for example at 2630 the software automatically opens at a distance of so many points eg 100 it automatically opens a contrary trade (Hedging) sell stop of Balancing at 2629

On the contrary, if the market starts to fall and starts to open the sell stops (grid card 20 price levels with a distance of 300 points) every time it opens a sell stop 2630 automatically the software opens at a distance of a certain number of points e.g. 100 automatically opens a contrary trade (hedging) buy stop balancing 2631, (as a PROTECTION trade) so if the market were to change direction especially in a moment of high volatility with the reopening limit on the same level one side would remain uncovered, but the protection stop goes to balance and I can manually close both of them to reduce the trades in the machine, with a very small loss which is the difference in the distance points and the lot set.

The Stop Order must start at Distance X e.g. 100 points or if the market has already exceeded that standard distance of 100 points, the calculation of the 100 points set is valid from the price at which it is at that moment, for example if in a moment of high volatility it has exceeded 100 points and a negative buy stop is found at 2632, it has not opened the Protective sell stop at 2631, it will have to be opened again to remain in hedging and if it were to close, after the first time it will always have to reopen at the minimum distance set from the current market value to never remain uncovered e.g. at 20 points, every time it closes it is placed with close triggers at 20 points

After.

Reverse Condition at every negative trade of -100 points open a protective opposite trade (with optional quantity e.g. 2 opposite trades to recover the loss, with Optional Stop loss, Optional Break even, Optional Trailing Sl, Optional Take profit, Optional Lot to increase or decrease the lot) to balance the two trades and close the two trades automatically when it reaches a profit of x with Total BUY & SELL function to close the basket or the positive and negative pair and thin out the floating.

Even the covering trades in turn after a control always, must have its opposite at – 100 for example, the control function serves to correctly balance the floating so that every negative trade has a covering trade, if that trade already has a coverage on the other side no opposite trade is opened.

example negative buy stop L0.01 -100 points a sell stop with break even is opened with FUNCTION of automatic reopening with possible closing at BE at a distance of 20 points from the price that is currently quoted, to avoid remaining uncovered (hedging). The Coverage Trade function has the functionality of a rubber band, from when the market opens it can reverse many pips but the loss always remains constant at the distance of the points between two trades, for example if we have a lot of .010 and – 100 points we will have a constant loss of 10 usd, to avoid the risk of margin call for excess loss (ELASTIC GRID)

The EA then places buy and sell orders at regular intervals within this grid. As the market moves, your trades will either hit their take profit targets or be covered, mitigating potential losses. The beauty of it is its adaptability, as

can thrive in both trending and changing markets, maximizing opportunities and minimizing risks.

**DYNAMIC COVERAGE (SAME AND REVERSE)
ON OFF**

HEDGE LOTS/SIZE

TAKE PROFIT (not used for this strategy)

TRAILING SL DYNAMIC - STEP (not used for this strategy)

SAFETY BREAK EVEN

STOP LOSS (not used for this strategy)

SAME REVERSE

REPEAT10

DISTANCE 300 OPEN 10 TIMES EVERY 300 POINTS (Pyramid)

LOT MULTIPLIERS (to increase or decrease the lot at each level)

Distance between PTS or PIPS (GAP) Levels MAY BE DIFFERENT FROM THE DISTANCE OF THE MAIN TRADES E.G.

BUY STOP MAIN 1.000 GRID (DISTANCE BETWEEN ORDERS) TAKE PROFIT 1.000

SELL STOP COVERAGE HEDGING 100 GRID (DISTANCE BETWEEN ORDERS) with Optional

Stop Loss setting (to have the statistical advantage of risk/reward 1:10)

Trade Main Lots 1.00 take profit 1000 pts STEP 1000 pts

Trade main Lots 1.00 Break Even 20 pts STEP VIRTUAL 100 pts NO TP NO SL

STOP LOSS MONEY 100.00 (Optional)

Risk Profile 1% Example Capital 10,000 = 100.00

Risk Profile 0.5% Example Capital 10,000 = 50.00 Lots 0.50 100 pts

Risk Reward Ratio

The **Risk Reward Ratio** is like a thermometer that measures how well you manage risk in your trading. If you risk 100 euros to earn 1000, you have a ratio of 1:10.

Not bad, right? This ratio tells you how much you stand to gain versus how much you are willing to lose. In short, it's your risk balance.

PROFIT POTENTIAL

POTENTIAL LOSS

Covering Trade Closing Functions

CUT_AND_SECURE : Close the position in profit once the next grid level is reached.

ACCUMULATE: Keep the hedge position open as long as it is profitable.

Break Even function (safety) when it closes at BE it must reopen 2 Trades: 1 limit trade and 1 trade at a maximum distance of 20 points **AFTER** the highest current market price for a lower buy stop for a sell stop to avoid being left uncovered, with the OCO function and as soon as one of the 2 is activated the other closes automatically.

Example you open a Sell cover at 2630 and it has a BE at 50 points 2630.50, when it touches 2630.50 and returns to 2630 it closes, and as soon as it closes you must instantly reopen a trade

at 20 points after then at 2630.20 STOP, in the normal condition, and the other at 2630 LIMIT but if the market reaches 2630 close the trade and continue to fall only with the LIMIT it would remain uncovered because it would not be able to open at 2630

In the safety distance to activate the Hedging Trade for example – 100 0 – 300 pts or pips the current spread must be considered, both in the closing and reopening of the hedging positions so that the spread does not have any negative effect on this operation.

FUNCTION: RISK MONEY MANAGEMENT Use an

algorithm to automatically manage based on the size (lot), based on the available capital and the percentage of floating max (drawdown max) you want

risk for example 30% of first limiting and then blocking the EA, the amount of Max Trades (without taking into account the contrary ones that are needed for balancing) at that moment and

at the risk level to avoid margin call, which aims to correctly balance the capital exposure in this case of floating or of the part e.g. Lot. 0.10 capital 1000.00 30% 300.00 max negative floating (Coverage trade at -300 = 30 usd)

$300/30 = 10$ Trade max (10 Buy and 10 Sell Hedging Situation) = 10 Pairs

The EA will start to thin out the buy/sell pairs with a total profit basket to decrease the floating and then start opening new trades.

This allows you to maintain strict management of your capital without having to constantly monitor your trades. Starting to thin out open trades by closing them in a basket in cumulative profit when the overall profit is => a

XXXX

Here comes the function of risk money management where based on the floating max example 30% or trade max example 20. We have a capital of 1000 usd so the floating max will be 300 usd or 10 trades MAX in the floating section, ONLY the new hedging trades for balancing will NOT be blocked, for example there are 10 trades of which 10 buy and 10 sell as soon as 1 PAIR closes only another balancing one will open. (the number of Max trades will be automatically inserted by the expert advisor, based on Capital, Max Drawdown, Lot used and pts or pips chosen to open the coverage Example Lots 0.10 Capital 1,000.00 Max Drawdown 30% (max -300.00) condition of opening a hedging coverage every trade that goes negative by -300 pts or pips = 30.00, therefore it will open

at max 10 Buy or Sell Principal Trades and a counter Trade will open for the respective ones

Example

#5 Buy Stop opens 5 Sell Stop at -300

n. 5 Sell Limit after 5 Buy Stop a - 300

Each Trade must be linked to the covering trade with the order code as a unique pair.

All with source code files, clean and readable coding to be editable and customizable later, to be installed on any PC or VPS without limits.