

MARIA BREAKOUT

MT5 · v2.1 · User Guide

BUY STOP and SELL STOP breakout ladder with a live ladder, trailing stop and equity target

MetaTrader 5 · a MetaTrader 4 version is also available

Website: https://polymaria.net
Telegram: https://t.me/polymaria_net
Author: Murodillo Eshkuvvatov
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1. About PolyMaria

PolyMaria (polymaria.net) is a home for MetaTrader traders. On polymaria.net you find the Maria robot family, thousands of robots, indicators and scripts for MT4 and MT5, free trading books, the Robot Builder and the PolyMaria desktop app.

Every Maria product comes with a full user guide like this one and support on our Telegram channel.

Link	Address
Website	https://polymaria.net
Telegram channel	https://t.me/polymaria_net
All products on MQL5	https://www.mql5.com/en/users/murodillo/seller

2. What Maria Breakout does

Maria Breakout places a ladder of BUY STOP orders above the current price and SELL STOP orders below it. When the market breaks out in one direction, the stops on that side are filled one after another and ride the move. A trailing stop takes the profit of each trade, the live ladder keeps new stops in front of the price, the loss eater pays off losing trades from profit already closed, and the equity target closes the whole cycle at a fixed profit and starts a fresh ladder.

Key ideas

- **Two-sided ladder.** BUY STOPs above the price, SELL STOPs below, the same distances on both sides. You can also use one side only.
- **Distances in USD.** Start and Step are set in money: how much one zone 1 lot makes over that distance. $1.40 is a 1.40 move on gold with 0.01 lot and 14 pips on EURUSD, so the same settings fit any symbol.
- **5 lot zones.** Levels near the price use small lots; levels farther away can use bigger lots. Each zone can be switched off.
- **Real + virtual levels.** Only the zone 1 levels are real pending orders at the broker. The other levels wait as "virtual" levels (no order at the broker) and become real orders only when they are needed.
- **Live ladder.** Each side always keeps its levels on the grid ahead of the price: a level whose trade closed is free again, stops left far behind move to the price, and gaps are filled.
- **HARD Max limit.** Open trades plus pending stops of one side never go above Max BUY / Max SELL.
- **Robot-only money.** The equity target and the loss eater count only this robot's trades (its magic number and symbol). Manual trades and other robots are never mixed in.
- **One panel.** Start, stop, close and delete from the chart panel. Most settings can also be changed on the panel while the robot runs.

How the ladder looks (default settings, gold, 0.01 lot)

Level	Distance from price	Order type	Lot	Status
BUY 30	+42.00	BUY STOP	0.10	virtual (zone 5)
BUY 6	+8.40	BUY STOP	0.02	virtual (zone 2)
BUY 1 - 5	+1.40 ... +7.00	BUY STOP	0.01	real pending orders (zone 1)
PRICE	**0**	—	—	—
SELL 1 - 5	−1.40 ... −7.00	SELL STOP	0.01	real pending orders (zone 1)
SELL 6	−8.40	SELL STOP	0.02	virtual (zone 2)
SELL 30	−42.00	SELL STOP	0.10	virtual (zone 5)

With the defaults each side has 30 levels (5 + 5 + 5 + 5 + 10) and 1.65 lots. Only the 5 nearest levels per side are real orders; the Max limit of 5 holds all the time (open trades + stops).

3. Installation

Requirements

Item	Requirement
Platform	MetaTrader 5 (Maria Breakout MT5.ex5).
Account type	HEDGING account. Every grid level is its own position; on a NETTING account the robot shows a message and does not start.
Symbol	Made for gold (XAUUSD). With the USD unit the same Start and Step also fit other symbols (section 7).
Timeframe	Any. The robot switches the chart to M5 the first time you attach it.
Trading permission	The Algo Trading button must be ON and "Allow Algo Trading" ticked in the robot's Common tab.
Internet	Not needed. The robot sends no web requests.

a) From the MQL5 Market

1. Buy or rent Maria Breakout MT5 on the MQL5 Market.
2. In MetaTrader 5 open the Toolbox window (Ctrl+T) and go to the Market tab.
3. Open Purchased and click Install next to Maria Breakout MT5.
4. The robot appears in the Navigator window under Expert Advisors → Market. Drag it onto a XAUUSD chart.

b) Manual file install on MT5

1. In MetaTrader 5 open File → Open Data Folder.
2. Open MQL5 → Experts and copy the .ex5 file there.
3. In the Navigator window, right-click Expert Advisors → Refresh.
4. Drag the robot onto a XAUUSD chart. On the Common tab tick "Allow Algo Trading", click OK and make sure the Algo Trading button in the toolbar is ON (green).

c) Hedging account

Check the account type in the Toolbox → Trade tab or ask your broker. Hedging accounts let each BUY STOP and SELL STOP become its own position, which the ladder needs. If you attach the robot to a netting account it shows an alert and stays off.

d) WebRequest

Maria Breakout does not use the internet, so you do not need to add any URL in Tools → Options → Expert Advisors.

> **TIP** To update the robot, replace the .ex5 file (or reinstall from the Market) and attach it again. Your panel settings are kept for each symbol and magic number. After an update with new default values, press Reset on the Inputs tab once to load them.

4. Quick start (5 steps)

1. Attach the robot to **XAUUSD**. The panel opens on the left side of the chart.
2. Pick a side: **BOTH**, **ONLY BUY** or **ONLY SELL**.
3. Press **SETTINGS** and check Start, Step, Max and the lot zones. The defaults are made for gold and, thanks to the USD unit, also fit most other symbols.
4. Press **START**. The robot places 5 BUY STOPs and 5 SELL STOPs; the other levels wait as virtual levels.
5. Watch the **LIVE** block. Trailing takes the profit of single trades; when the robot's own profit reaches the equity target (default +$2) it closes everything and, with RESTART ON, places a fresh ladder. To finish after the current cycle press **CYCLE STOP**.

> **IMPORTANT** Test every new setting on a demo account first. A stop order ladder can open many trades in a fast market.

5. The panel and its buttons

The panel has three views: the full panel (ACTIONS + LIVE), a small collapsed strip, and a SETTINGS panel that opens next to it.

Header

Item	What it does
MARIA BREAKOUT v2.1	Name and version. The badge on the right shows MT4 or MT5.
HIDE ▲ / SHOW ▼	Collapses the panel to a small strip or opens it again.

Collapsed strip

Row	Meaning
Equity target (+2.00$)	The target step, the robot's profit in the current cycle and the account equity at which the target is reached (after ">"). Shows "Side target" when the target counts each side alone.
Balance / Equity	Account balance and equity; the number in brackets is the open floating profit or loss.
BUY / SELL	Per side: open trades (and the Max limit, for example "2/5 open"), their lots and their floating P/L.

ACTIONS

Button	What it does
START (BOTH)	Places a new ladder around the current price for the chosen side. A side that already runs is not doubled.
SETTINGS >	Opens or closes the SETTINGS panel (GRID, LOTS, EXIT and the switches).
BOTH	Use both sides: BUY STOPs above and SELL STOPs below the price.
ONLY BUY	Use only BUY STOPs (when you expect a move up).
ONLY SELL	Use only SELL STOPs (when you expect a move down).
CYCLE STOP	Finishes the current cycle without starting a new one. After the next equity target close (or when the ladder is empty) the robot waits until you press START again.

LIVE

Row / button	Meaning
Equity target (+2.00$)	The step, the robot's profit since the current target started, and the account equity at which the target is reached (after ">").
Balance / Equity	Account balance and equity. The number in brackets is the open floating profit or loss.
Open orders	Open BUY and SELL trades of this robot, with their profit and total lots.
CLOSE ALL	Closes all open trades of this robot. Pending stops stay.
CLOSE PROFIT	Closes only the trades that are in profit.
CLOSE LOSS	Closes only the trades that are losing.
Pending orders	Real pending stops + virtual levels per side (for example "5 + 25 virtual") and their lots.
DEL PENDING	Deletes all pending stops and virtual levels on both sides.

Row / button	Meaning
DEL BUY STOP / DEL SELL STOP	Deletes the pending stops and virtual levels of one side only.
Spread	The current spread of the symbol.
Closed lots | Referral	Lots this robot has closed and the rebate they earned (the rebate per lot is a setting).
Status line	The last action, for example "Placed 5 BUY STOP + 5 SELL STOP", "Loss eater: closed #..." or "Equity target reached".

SETTINGS panel

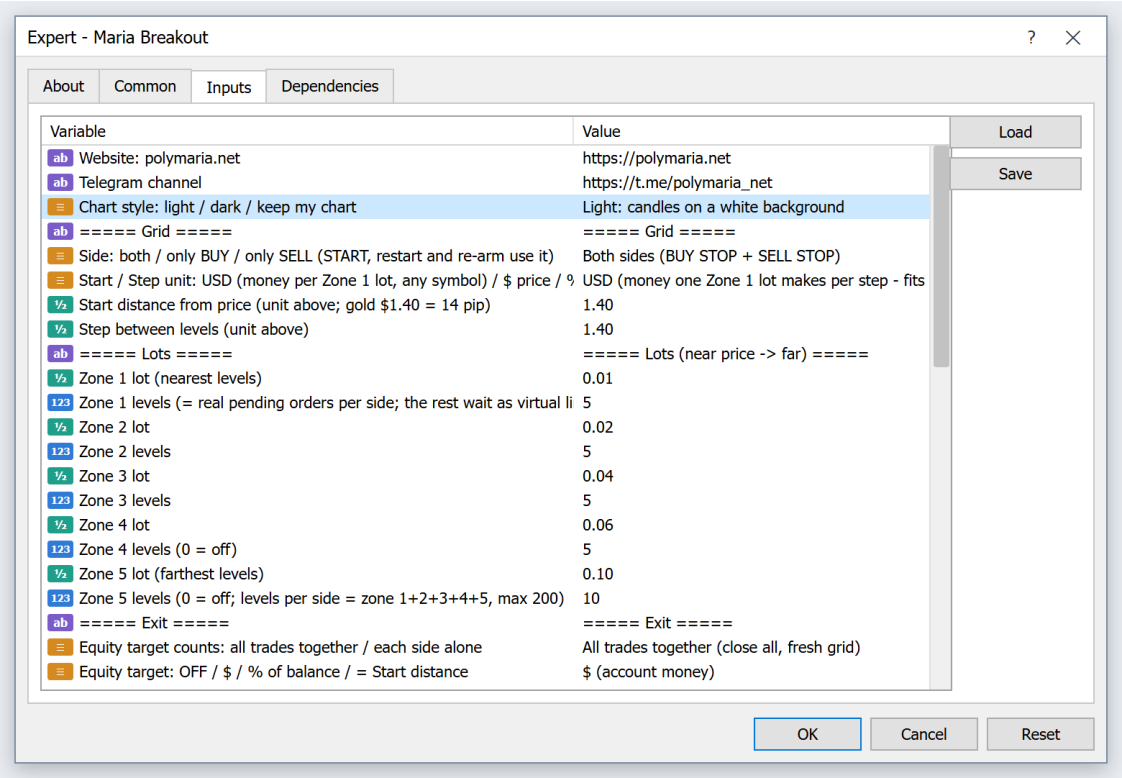
Part	What you can change
GRID	Start and Step (the small box switches the unit: USD / $ / % / pip), Max BUY and Max SELL (0 = no limit). "Levels / side" shows the ladder size.
LOTS near > far	Lot and number of levels of the 5 zones. The ON / OFF box switches a zone off without losing its values. "Max / side" shows the lots of one full side.
EXIT	Take profit, stop loss, trailing start, trailing distance and the equity target step, each with its unit box and an ON / OFF switch.
RESTART	ON: after the equity target close a fresh ladder starts at the new price. OFF: the robot stays flat.
LIVE LADDER	Switches the live ladder on or off (section 7).
VIRTUAL LINES	Shows or hides the dotted lines of the virtual levels.
x	Closes the SETTINGS panel. Values you type are used at once and saved for this symbol and magic number.

CLEAR button (top-right of the chart)

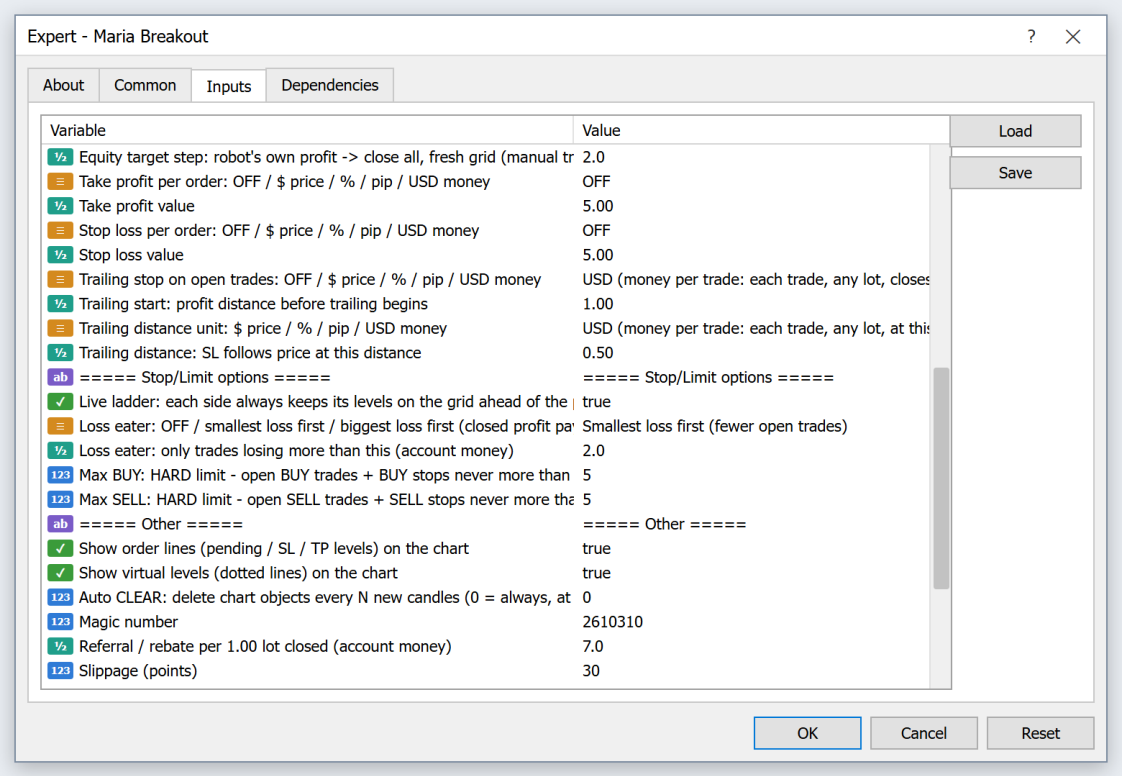
CLEAR deletes leftover chart objects (old arrows, lines, text) without touching the panel or your orders. The small box to its left sets Auto CLEAR: 0 = always clean, N = clean every N new candles, -1 or OFF = only when you press CLEAR.

6. Settings reference

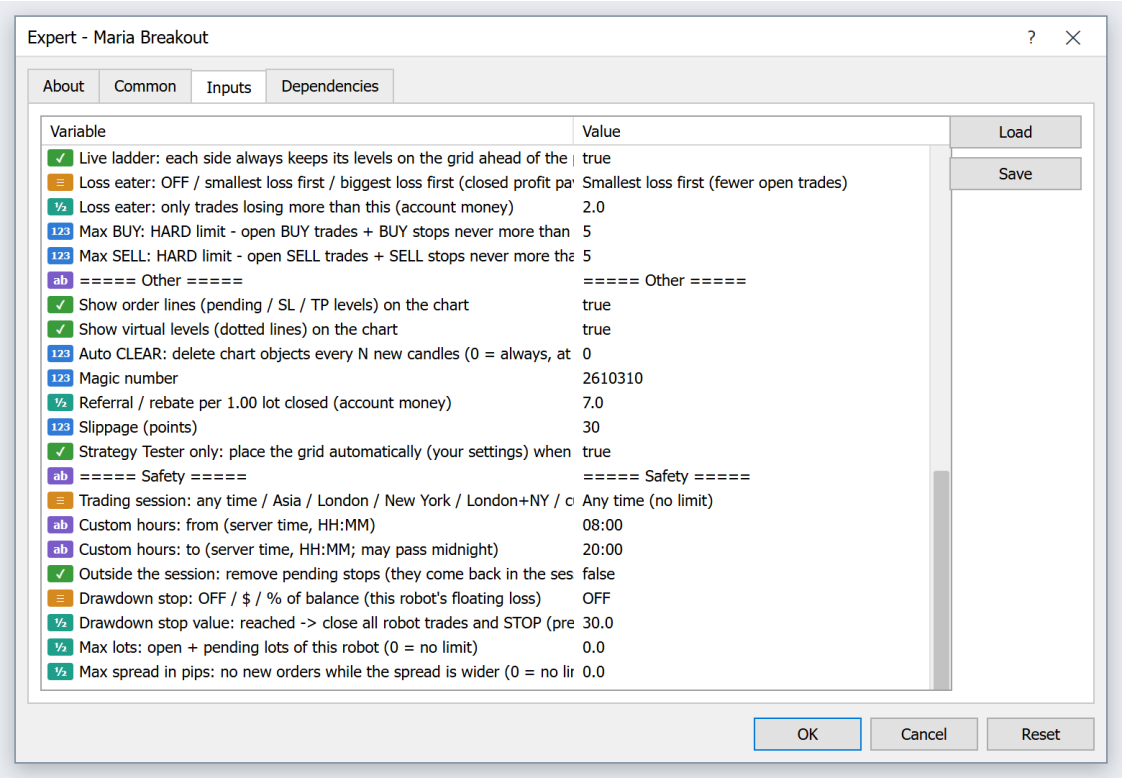
All settings are on the Inputs tab of the robot. Most of them can also be changed on the SETTINGS panel; panel values are saved per symbol and magic number.



Inputs window, part 1 of 3.



Inputs window, part 2 of 3.



Inputs window, part 3 of 3.

Links and chart

Setting	Default	What it does
Website	polymaria.net	Information only: our website. It does not change how the robot trades.
Telegram channel	t.me/polymaria_net	Information only: our Telegram channel for news and support.
Chart style	Light	Colours set when you attach the robot: Light (candles on white), Dark (candles on black) or Keep my chart.

Grid

Setting	Default	What it does
Side	Both sides	Which stops START and the live ladder use: both sides, only BUY STOP or only SELL STOP.
Start / Step unit	USD	Unit of Start and Step. USD = the money one zone 1 lot makes over that distance (fits any symbol). Also $ (price move), % of price or pip.
Start distance from price	1.40	How far from the price the first level is. With USD and 0.01 lot on gold, 1.40 = a 1.40 price move.
Step between levels	1.40	The distance from one level to the next, in the same unit.

Lots (near price → far)

Setting	Default	What it does
Zone 1 lot	0.01	Lot of the nearest levels.

Setting	Default	What it does
Zone 1 levels	5	How many levels use the zone 1 lot. This is also the number of REAL pending orders per side; all other levels wait as virtual levels.
Zone 2 lot / levels	0.02 / 5	Lot and number of the next levels.
Zone 3 lot / levels	0.04 / 5	Lot and number of the zone 3 levels.
Zone 4 lot / levels	0.06 / 5	Lot and number of the zone 4 levels. 0 levels switches the zone off.
Zone 5 lot / levels	0.10 / 10	Lot and number of the farthest levels. 0 switches the zone off. Levels per side = zone 1 to 5 together, max 200. Defaults: 30 levels and 1.65 lots per side.

Exit

Setting	Default	What it does
Equity target counts	All trades together	All trades together: the whole robot closes at the target and starts a fresh ladder. Each side alone: a side whose trades reach the target closes by itself and its ladder starts again.
Equity target	$	Switches the equity target on: OFF, $ (account money), % of the balance, or = Start distance (the money one zone 1 lot makes over Start).
Equity target step	2	Profit step of the robot. When its own profit since the target started reaches this, it closes all and starts a fresh ladder. Manual trades are not counted.
Take profit per order	OFF	Puts a take profit on every order: OFF, $ (price move), %, pip or USD (money per trade).
Take profit value	5.00	Distance of that take profit, in the unit chosen above.
Stop loss per order	OFF	Puts a stop loss on every order: OFF, $, %, pip or USD.
Stop loss value	5.00	Distance of that stop loss, in the unit chosen above.
Trailing stop on open trades	USD	Switches the trailing stop on and sets the unit of the start: OFF, $, %, pip or USD. USD means money per trade: every trade, whatever its lot, starts trailing at this many dollars.
Trailing start	1.00	How much a trade must be in profit before its stop loss starts to follow the price.
Trailing distance unit	USD	Unit of the trailing distance: $, %, pip or USD (money per trade).
Trailing distance	0.50	The stop loss stays this far behind the price and only moves in the profit direction. With the defaults a trade that reached +$1.00 closes at about +$0.50 or better.

Stop / Limit options

Setting	Default	What it does
Live ladder	true	Each side always keeps its levels on the grid ahead of the price (it does re-arm, trail grid and fill gaps in one rule). false = the ladder stays where START placed it.
Loss eater	Smallest loss first	Profit already closed pays off a losing trade. OFF, Smallest loss first (more trades are cleared, fewer stay open) or Biggest loss first.

Setting	Default	What it does
Loss eater minimum	2.0	Only trades losing more than this amount (account money) are closed by the loss eater.
Max BUY	5	HARD limit: open BUY trades + BUY stops are never more than this. 0 = no limit.
Max SELL	5	The same for SELL trades and SELL stops.

Other

Setting	Default	What it does
Show order lines	true	Shows the lines of pending orders, stop loss and take profit.
Show virtual levels	true	Shows the dotted lines of the virtual levels (also the VIRTUAL LINES switch on the panel).
Auto CLEAR	0	Deletes old chart objects: 0 = always, N = every N new candles, -1 = off (CLEAR button only).
Magic number	2610310	Marks the robot's orders. Use a different number for each chart of the same symbol.
Referral per 1.00 lot	7.0	Rebate you receive per lot closed; only used for the "Closed lots | Referral" row.
Slippage	30	Maximum price slippage for orders, in points.
Strategy Tester only	true	Tester only: places the ladder automatically with your settings when none is open. Live charts ignore it.

Safety

Setting	Default	What it does
Trading session	Any time	When new orders may be placed: any time, Asia, London, New York, London + New York, or custom hours. Open trades are always managed.
Custom hours from / to	08:00 / 20:00	Server time for the custom session; it may pass midnight.
Outside the session: remove pending stops	false	true = pending stops are removed outside the session and come back when it opens.
Drawdown stop	OFF	OFF, $ or % of the balance. When the robot's floating loss reaches the value, it closes all its trades and stops (press START to run again).
Drawdown stop value	30	The amount for the drawdown stop, in the unit above.
Max lots	0	Open + pending lots of this robot are never more than this. 0 = no limit.
Max spread in pips	0	No new orders while the spread is wider than this. 0 = no limit.

7. How the features work together

Live ladder

The grid is fixed by the START price: Start distance, then one level every Step. On every price move each side checks the first levels of that grid in front of the price:

- **Closed trade.** Its level is free again and gets a stop when it is among the nearest levels (this replaces Re-arm).
- **Price moved away.** A stop that is farther than the needed levels is removed and a nearer level gets a stop, so the ladder follows the price step by step (this replaces Trail grid).
- **Gaps.** Empty grid levels between the price and the ladder are filled (this replaces Fill gaps).
- **Open trade on a level.** That level is skipped, so two trades never stack on the same price.

The nearest levels become real stops up to the zone 1 count and the Max limit; the rest stay virtual.

Max BUY / Max SELL (HARD limit)

Open trades and pending stops of one side together never pass Max. With Max 5 and no trade open, a side has 5 stops. When 2 BUY trades are open, only 3 BUY STOPs remain. When a trade closes, a stop comes back.

Trailing stop

Once a trade is Trailing start in profit (default +$1.00 for each trade), its stop loss follows the price at Trailing distance (default $0.50). When the price turns, the trade closes in profit. In the Strategy Tester such a close is shown as "stop loss", but it is a profit close.

Loss eater

Profit the robot already closed in the current cycle works as a bank. When the bank can pay a losing trade (losing more than the minimum, default $2), that whole trade is closed. With "Smallest loss first" the cheapest losers go first, so the number of open trades drops fastest. The robot's total result does not change: the loss just moves from floating to balance, and the equity target is not delayed.

Equity target

The robot counts its own profit from the moment the current target starts: trades closed since then, plus the floating P/L now, minus the floating P/L at the start. When this reaches the step (default +$2), it closes all open trades, deletes the pending stops, sets a new target and (with RESTART ON) places a fresh ladder at the new price.

> **NOTE** The balance can go up and then down inside a cycle: trailing closes winners first (balance up), the target close then also closes the remaining losers (balance down). The cycle still ends at about +$2 for the robot.

Settings for other symbols

With the USD unit Start and Step follow the money of one zone 1 lot, so the defaults work on most symbols. Examples for Start / Step 1.40 USD with 0.01 lot:

Symbol	Price example	Start / Step	Equals about
XAUUSD (gold)	4100.00	1.40 USD	a 1.40 price move
EURUSD, GBPUSD	1.1190	1.40 USD	14 pips
USDJPY	158.70	1.40 USD	about 22 pips

> **TIP** If you choose the $ price unit instead, the numbers are price moves: 1.40 is right for gold but very far on currencies (on EURUSD use about 0.0014).

8. Troubleshooting

Problem	What to do
Nothing happens on START	Algo Trading is off or not allowed. Switch the Algo Trading button ON and tick "Allow Algo Trading" on the robot's Common tab.
Alert about a HEDGING account	The account is netting. Open a hedging account with your broker and attach the robot there.
Fewer stops than zone 1 levels	Normal: the HARD Max limit counts open trades + stops. With Max 5 and 3 open BUY trades only 2 BUY STOPs stay. Raise Max or set 0 for no limit.
I see no virtual lines	Check Show virtual levels on the Inputs tab or the VIRTUAL LINES switch on the SETTINGS panel. Squeeze the price scale to see far levels.
Balance goes up and then down	See section 7, equity target: the target close also closes the losing trades. The cycle result is still the target step.
New default values do not appear	Your saved panel values are used. Press Reset on the Inputs tab once.
Panel buttons do not react	The robot is not running on this chart (the panel is only a picture). Remove the robot (right-click the chart → Expert list → Remove), refresh the Navigator and attach it again. The Experts tab shows the reason.
"pending price too close to market"	The broker needs a bigger distance for pending orders. Increase Start distance.
"not enough money" / lot errors	Lower the lots of the zones or the number of levels; check the broker minimum lot and lot step.
Two robots on one symbol mix up	Give each chart its own magic number.
Strategy Tester	MT5 cannot click panel buttons in the tester. There the robot places the ladder by itself with your settings (Strategy Tester only = true). With a small deposit it uses the minimum lot and fewer real stops. Use visual mode to watch the exits. At the end of a test the tester closes all open trades itself.
WebRequest error 4060 / 5203	Not used by Maria Breakout: the robot sends no web requests.

Where to look

- **Experts tab** (Toolbox window) – every action of the robot: orders placed, closed, deleted, and the reason (trailing, loss eater, equity target, ...).
- **Journal tab** – platform messages, for example connection or trading permission problems.

9. Risk warning

Trading leveraged products such as gold and currencies carries a high risk of loss. A stop order ladder can open many trades in a fast or gapping market, and past results do not guarantee future results. Start on a demo account, use small lots and only trade money you can afford to lose. The author is not responsible for losses caused by using this software.

10. Support and links

Questions, ideas or a problem? Send screenshots of the Experts and Journal tabs and of the robot's Inputs tab to our Telegram channel.

Link	Address
Website	https://polymaria.net
Telegram channel	https://t.me/polymaria_net
All products on MQL5	https://www.mql5.com/en/users/murodillo/seller