

MARIA COPIER

v1.01 · User Guide

Copy trades from one MT5 account to many on the same PC or VPS

MetaTrader 5

Copies to and from MT4 terminals too

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1. About PolyMaria

PolyMaria (polymaria.net) is a home for MetaTrader traders. On polymaria.net you will 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 Copier does

Maria Copier copies trades from one MetaTrader 5 account (the MASTER) to one or more other MetaTrader 5 accounts (the SLAVES) that run on the same computer or VPS. One EA does both jobs: you choose MASTER or SLAVE in the inputs.

The master writes its open orders to a small file in the shared Common\Files folder several times per second. Every slave reads that file and opens, changes and closes its own copies. No internet connection, no server and no DLL are needed, so copying is fast and private.

Key ideas

- **Channels.** Master and slaves are linked by a channel name (default "main"). Use different channel names to run several independent master / slave groups on one PC.
- **Copies follow the master.** Open, close, partial close, SL/TP changes and (optionally) pending orders are copied.
- **Your own lot size.** SAME, MULTIPLIER, FIXED, BALANCE ratio or EQUITY ratio, always rounded to the slave broker's lot rules.
- **Any broker.** Symbol suffixes, prefixes and different names (XAUUSD vs GOLD) are handled by mapping and automatic suffix detection.
- **Safety first.** When the master is offline or something looks wrong, the slave freezes instead of guessing: it never closes your copies because of a missing or broken snapshot.
- **MT5 and MT4 together.** The channel format is the same on both platforms, so an MT5 master can feed MT4 slaves and an MT4 master can feed MT5 slaves on the same PC.

What is copied

Master action	What the slave does
Opens a BUY / SELL	Opens a copy with the slave lot size (reversed if Reverse copy is on).
Closes the order	Closes the copy.
Partly closes the order	Closes the same share of the copy (for example half of it).
Changes SL or TP	Moves the SL/TP of the copy (when "copy SL/TP" is on).
Places / moves / deletes a pending order	Does the same with its own pending copy (only when "copy pending" is on). Otherwise the order is copied when it fills.
Order was already open when the slave started	Skipped, unless "copy existing" is on.

> **TIP** A copy that you close by hand on the slave is never opened again. You stay in control of every slave account.

3. Installation

a) From the MQL5 Market

1. Buy or rent Maria Copier on the MQL5 Market.
2. In MetaTrader open the Terminal window (Ctrl+T) → Market tab → Purchased.
3. Click Install next to Maria Copier. It then appears in Navigator → Market.
4. Install it in every terminal you want to use: the master terminal and each slave terminal.

b) Manual file install on MT5

1. In MetaTrader 5 open File → Open Data Folder.
2. Open MQL5 → Experts and copy Maria Copier.ex5 there.
3. In the Navigator window, right-click Expert Advisors → Refresh.
4. Drag Maria Copier onto any chart. On the Common tab tick "Allow Algo Trading", then click OK.
5. Turn the Algo Trading button ON in the toolbar.

c) MetaTrader 4

The MetaTrader 4 version of Maria Copier is a separate product. MT5 and MT4 terminals on the same PC can copy to each other when they use the same channel name.

Account type

SLAVE mode needs a HEDGING account, because every copy must be its own position. On a netting account the slave shows an alert and does not start. The MASTER can run on hedging or netting accounts.

d) Internet and WebRequest

Maria Copier does not use the internet. Master and slaves talk through a local file, so you do not need to add any URL under Tools → Options → Expert Advisors → "Allow WebRequest for listed URL".

For push messages to your phone, enter your MetaQuotes ID under Tools → Options → Notifications and tick "Enable Push Notifications".

> **IMPORTANT** The master and slave terminals must run on the same computer or VPS. They share the Common\Files folder of that Windows user. Copying between two different computers is not supported.

4. Quick start (5 steps)

1. Open the master terminal and every slave terminal on the same PC or VPS and log in to each account.
2. Master terminal: attach Maria Copier to any chart and set **Mode = MASTER**, **Channel = main**. The status shows ONLINE.
3. Each slave terminal: attach Maria Copier to any chart and set **Mode = SLAVE**, **Channel = main**. Choose the lot mode, for example MULTIPLIER 1.0.
4. Turn **Algo Trading** ON in every slave terminal. The slave status turns ONLINE and shows the master account, balance and equity.
5. Open a trade on the master. The slave copies it within a second and the copy appears under "Copies open" with its floating P/L.

IMPORTANT Orders that were already open on the master when the slave started are not copied (safe default). Turn on "copy existing" if you want them too.

TIP Test the whole setup on two demo accounts first, then switch the slave to the real account.

5. The panel

Maria Copier shows a dark panel in the top-left corner of the chart. The rows depend on the mode.

Header

Element	What it does
Logo + MARIA COPIER	Product title. The header is also the drag handle: select it and drag it to move the panel. The position is saved.
MT5 badge	Shows the platform. It does nothing when clicked.
- / +	Collapses the panel to the header only, or opens it again.

COPIER section (both modes)

Row	Meaning
Mode	MASTER or SLAVE.
Channel	The channel name in use (letters, digits, "_" and "-", max 24 characters).
Status	The live state of the copier (see the status table below).
Lots (slave)	The lot mode in short, for example "x1.00", "FIXED 0.01" or "BALANCE x1.00", plus "REVERSE" when reverse copy is on.

MASTER mode rows (PUBLISHER)

Row	Meaning
Orders published	How many orders the master shares right now (after the symbol and magic filters).
Snapshot #	Counter of written snapshots. It grows several times per second while the master works.
Balance / Equity	The master account balance and equity.

SLAVE mode rows

Row	Meaning
MASTER: Account	The account number and currency of the master this slave follows.
MASTER: Balance / Equity	The master balance and equity from the last snapshot.
Copies open	Open copies on this slave, and the "Max open copies" limit.
Floating P/L	Profit or loss of all open copies (with swap and commission).
Equity guard	Only when the guard is on: the equity level that triggers it, or "HIT - press RESUME".

LAST ACTIONS and status line

The last three actions with their time, for example "Copied #123 BUY EURUSD 0.10" or "Closed on master #123". The status line at the bottom shows the file path used by the channel. Every action is also written to the Experts tab.

Buttons

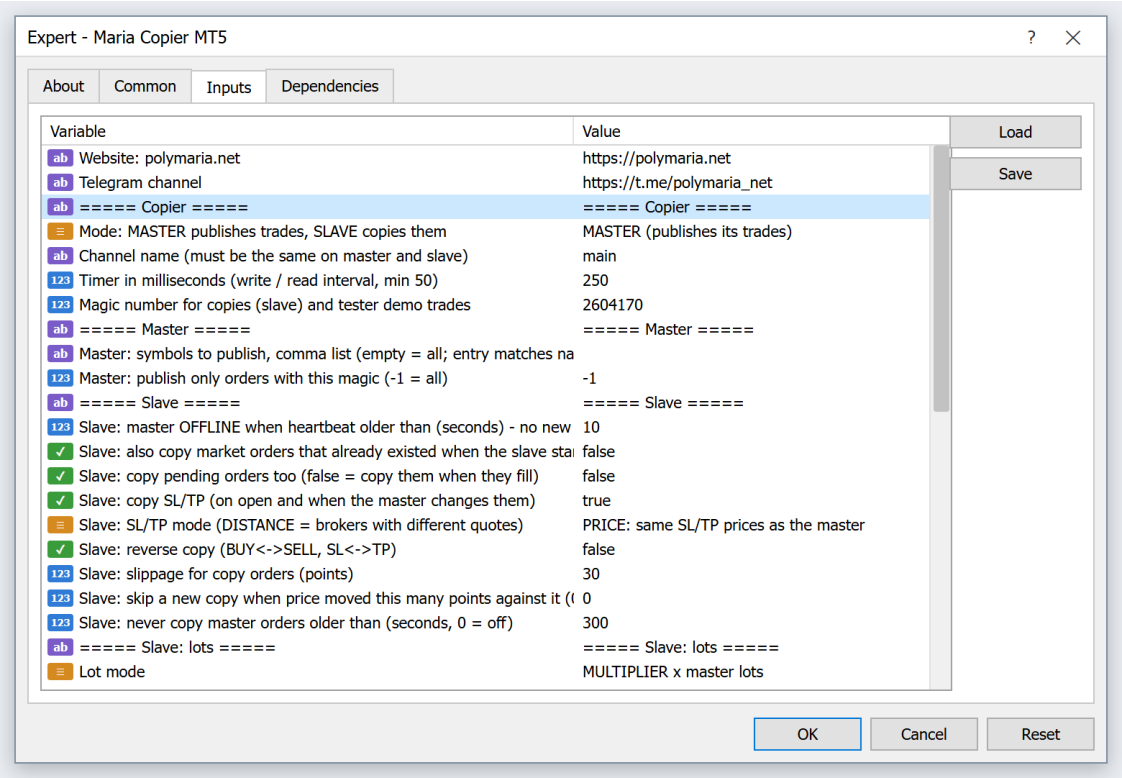
Button	What it does
PAUSE / RESUME	Master: stops / restarts publishing (slaves then see the master as offline). Slave: stops / restarts copying; nothing is opened or closed while paused. After the equity guard fired, RESUME also starts a new equity peak.
SYNC NOW	Runs one copy cycle at once and clears all waiting retry timers.
CLOSE ALL COPIES (slave)	Two clicks: the first arms it ("CLICK AGAIN TO CLOSE ALL COPIES"), the second within 5 seconds closes every copy of this slave. Other trades on the account are never touched. Closed copies are not reopened.

Status values

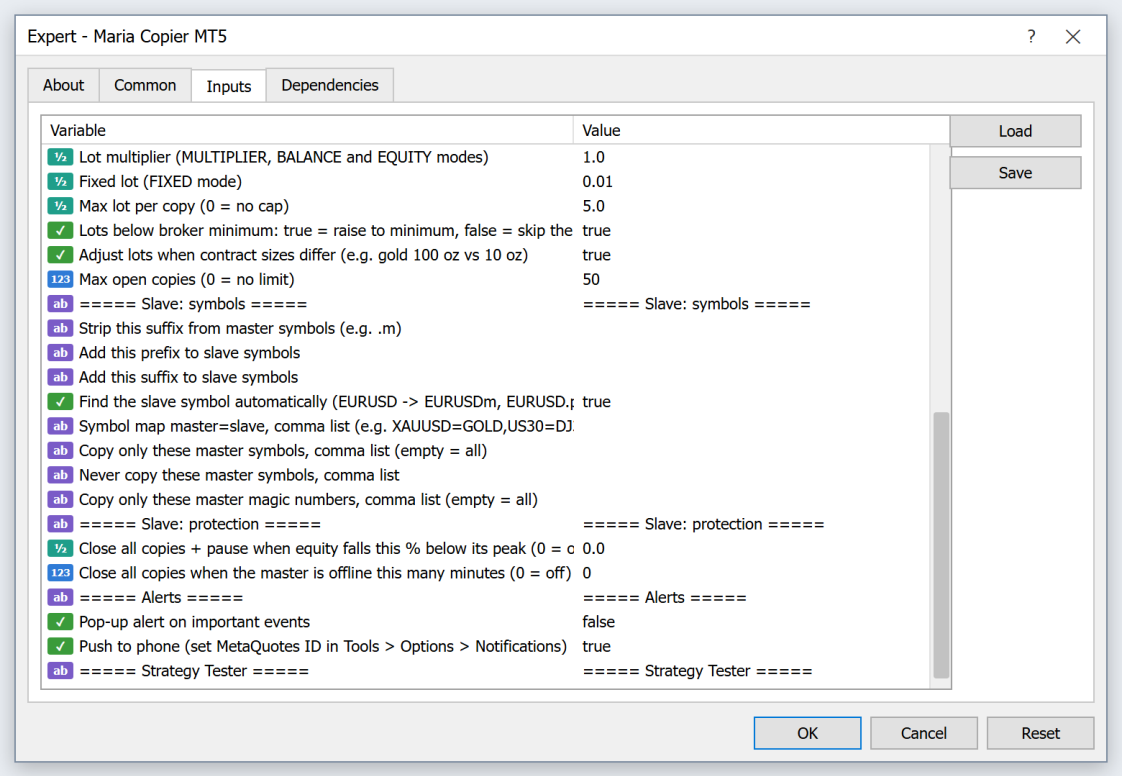
Status	Meaning
ONLINE hb Ns	Everything works. "hb" is the age of the last master heartbeat in seconds.
WAITING FOR MASTER	Slave: no master file on this channel yet.
MASTER OFFLINE	Slave: the heartbeat is older than the offline limit. Copies are frozen (no new copies, no closes).
MASTER ACCOUNT CHANGED	Slave: a different master account is now publishing on the channel. The slave freezes. Attach the slave again to follow the new account.
EQUITY GUARD HIT	Slave: the equity guard closed all copies and paused the copier.
PAUSED	You pressed PAUSE.
NOT CONNECTED / LOADING ORDERS	Master: the terminal is not connected yet, or it is waiting 3 seconds for the order list to load. Nothing is published meanwhile.
OTHER MASTER ON CHANNEL	Master: another master already publishes on this channel. This one stays idle. Use a different channel name.
ALREADY ON ANOTHER CHART	The same role and channel already runs on another chart of this terminal. This chart stays idle.
WRITE ERROR	Master: the snapshot file could not be written (see the Experts tab).
TESTER DEMO	Strategy Tester: demo mode (see section 8).

6. Settings reference

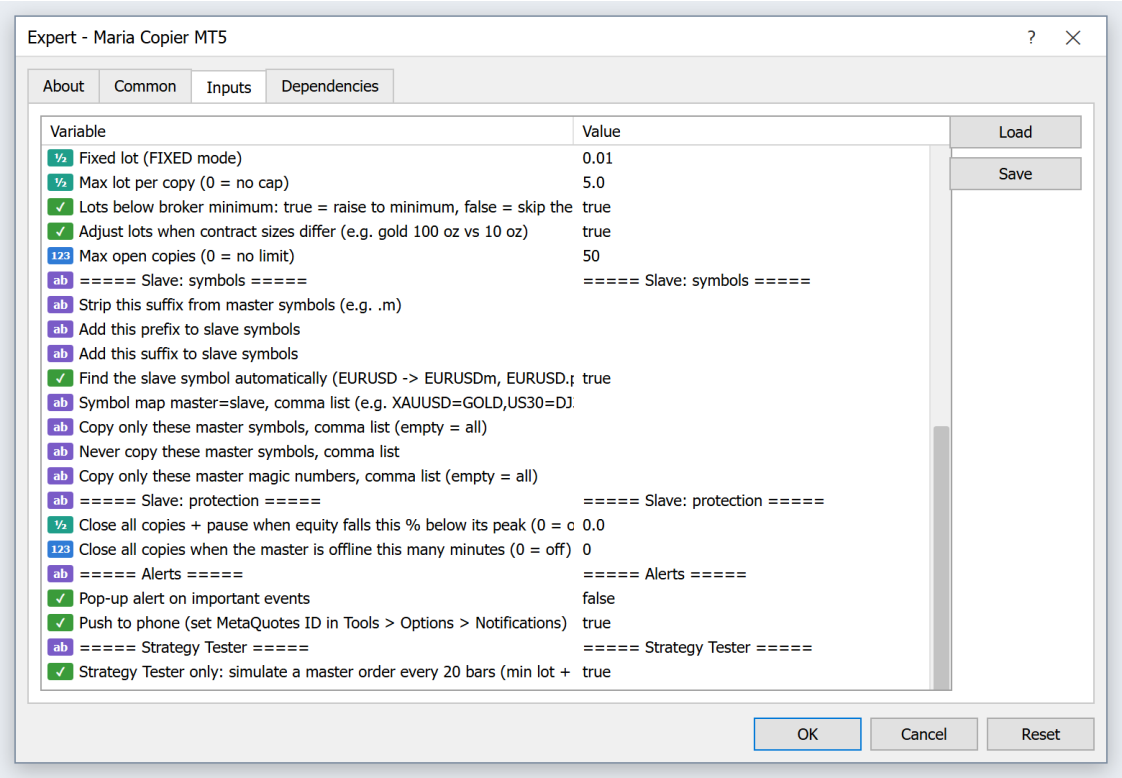
All settings are on the Inputs tab of the EA window (press F7 on the chart to open it). The pictures show the default values.



Inputs window, part 1 of 3



Inputs window, part 2 of 3



Inputs window, part 3 of 3

Links and copier

Setting	Default	What it does
Website	polymaria.net	Information only: our website address.
Telegram channel	t.me/polymaria_net	Information only: our support channel.
Mode	MASTER	MASTER shares the trades of this account. SLAVE copies the trades of the master on the same channel.
Channel name	main	Links a master with its slaves. Must be identical on both sides. Use another name for each separate group.
Timer (ms)	250	How often the master writes and the slave reads the snapshot. Lower = faster copying, more CPU. Minimum 50.
Magic number	2604170	The magic number of the copies on the slave. Use a different number for each slave EA in the same terminal.

Master

Setting	Default	What it does
Symbols to publish	(empty)	Comma list of symbols the master shares, for example "EURUSD,XAU". Empty = all. An entry matches every symbol that starts with it.
Publish only this magic	-1	Share only orders with this magic number, for example the orders of one robot. -1 = all orders, including manual ones.

Slave

Setting	Default	What it does
Master offline after (s)	10	If the master heartbeat is older than this, the slave treats the master as offline and freezes: no new copies and no closes.
Copy existing orders	false	true = also copy market orders that were already open on the master when the slave started.
Copy pending orders	false	true = copy pending orders as pending orders (and follow their price changes). false = copy them only after they fill.
Copy SL/TP	true	Copy stop loss and take profit on open and every time the master changes them.
SL/TP mode	PRICE	PRICE = the same SL/TP prices as the master. DISTANCE = the same distance from the open price, better when the two brokers quote slightly different prices.
Reverse copy	false	true = BUY becomes SELL (and the other way round); SL and TP swap.
Slippage (points)	30	Maximum slippage allowed for copy orders and closes.
Max price deviation (points)	0	Skip a new copy while the price has moved more than this against the master open price. It is retried a few seconds later. 0 = off.
Max order age (s)	300	Never copy a master order that is older than this (for example after a long error). Orders that existed at start and pending orders are exempt. 0 = off.

Slave: lots

Setting	Default	What it does
Lot mode	MULTIPLIER	SAME = master lot. MULTIPLIER = master lot × multiplier. FIXED = always the fixed lot. BALANCE / EQUITY = master lot × (slave ÷ master balance or equity) × multiplier.
Lot multiplier	1.0	Used by MULTIPLIER, BALANCE and EQUITY modes. 0.5 = half the lot, 2.0 = double.
Fixed lot	0.01	Lot of every copy in FIXED mode.
Max lot per copy	5.0	Upper cap for one copy. 0 = no cap (the broker maximum still applies).
Raise to minimum lot	true	If the calculated lot is below the broker minimum: true = use the minimum lot, false = skip the copy.
Adjust contract size	true	If the two brokers use different contract sizes (for example gold 100 oz vs 10 oz), the lot is scaled so the copy has the same real size. Not used in FIXED mode.
Max open copies	50	No new copies while this many copies are open. 0 = no limit.

Slave: symbols

Setting	Default	What it does
Strip master suffix	(empty)	Removes this ending from master symbol names, for example ".m" turns "EURUSD.m" into "EURUSD".
Add slave prefix / suffix	(empty)	Adds this text in front of / after the name to get the slave symbol, for example suffix "pro" → "EURUSDpro".

Setting	Default	What it does
Auto suffix	true	If the name is not found, the slave searches its symbol list for a name that contains it (EURUSD → EURUSDm, EURUSD.pro). Market Watch symbols and the shortest name win. The choice is written to the log.
Symbol map	(empty)	Fixed pairs master=slave, comma list, for example "XAUUSD=GOLD,US30=DJ30". The map is checked first.
Copy only these symbols	(empty)	Copy only master symbols that start with one of these entries. Empty = all.
Never copy these symbols	(empty)	Master symbols that start with one of these entries are never copied.
Copy only these magic numbers	(empty)	Copy only master orders with one of these magic numbers, comma list. Empty = all.

Slave: protection

Setting	Default	What it does
Equity guard %	0	When the slave account equity falls this % below its highest value, all copies are closed and the copier pauses. 0 = off. Note: a withdrawal also lowers equity.
Close copies after master offline (min)	0	If the master stays offline this many minutes (after it was online), all copies are closed once. 0 = off (copies stay open and frozen).

Alerts and Strategy Tester

Setting	Default	What it does
Pop-up alert	false	Shows a MetaTrader alert window on important events.
Push to phone	true	Sends important events to the MetaTrader app on your phone (needs your MetaQuotes ID in Tools → Options → Notifications). Events: master offline, copy failed, master account changed, another master on the channel, duplicate chart, equity guard hit, broker refused SL/TP.
Tester demo trades	true	Strategy Tester only: every 20 bars a small simulated master order with SL/TP is copied through the real copy code, so the tester shows trades. Live charts ignore it.

7. Tips: how the features work together

Several masters or several slaves

- **One master, many slaves:** use the same channel name in every slave terminal.
- **Several masters:** give each master / slave group its own channel name (for example "gold" and "fx").
- **Two slaves in one terminal:** possible only with different channels or different magic numbers; the same role on the same channel runs on one chart only.

Netting master accounts

- A netting master works, with two limits: volume added to an existing position is not copied, and if the master reverses its position, the slave closes the copy that now points the wrong way.
- Partial closes on the master are copied the same way as on hedging accounts.

Choosing the lot mode

Lot mode	Good for
SAME	Two accounts of the same size and broker.
MULTIPLIER	A fixed ratio, for example 0.5 for a smaller slave.
FIXED	Testing, or a slave that always trades the minimum lot.
BALANCE	Slave lots grow and shrink with the balance ratio of the two accounts.
EQUITY	Like BALANCE, but uses equity (includes open profit / loss).

IMPORTANT BALANCE and EQUITY ratios do not convert currencies. If the master and slave accounts use different currencies, the Experts tab shows a warning; set the multiplier yourself.

Different brokers

- Use the symbol map for names that differ completely (XAUUSD=GOLD).
- Leave Auto suffix on for suffixes like "m" or ".pro".
- Use SL/TP mode DISTANCE if the two brokers quote slightly different prices.
- Keep "Adjust contract size" on so gold or index contracts of different sizes are copied with the same real exposure.

How the safety rules protect you

- **Restart of the master terminal:** the master publishes only after the account is connected and its orders are loaded (3 seconds), so an empty order list never closes your copies.
- **Missing order:** a copy is closed only when two different snapshots, at least 1.5 seconds apart, both show the master order is gone.
- **Late copies:** Max order age and Max price deviation stop copies that would open far from the master price.
- **Partial closes while the master EA was off:** the master follows the order history, so no duplicate copy is opened.
- **Broker checks:** every order is checked for lot step, minimum and maximum lot, free margin, stop level and freeze level before it is sent. A broker that refuses SL/TP on market orders gets the order first and the SL/TP right after.

8. Troubleshooting

Problem	What to do
Slave shows WAITING FOR MASTER	The master is not running on the same PC / Windows user, or the channel names differ. Check Mode = MASTER on the master and the same channel on both.
Slave shows MASTER OFFLINE	The master terminal is closed, disconnected or paused. Check its status. Copies stay frozen until it is back.
Nothing is copied, status ONLINE	Turn Algo Trading ON in the slave terminal and tick "Allow Algo Trading". Check the symbol / magic filters and Max open copies. Orders open before the slave started are skipped unless "copy existing" is on.
"symbol ... not found" in the log	The slave broker uses another name. Add it to the Symbol map (for example XAUUSD=GOLD) or set the slave prefix / suffix.
"skip ... older than 300 s"	The order could not be copied in time (for example Algo Trading was off). Raise Max order age or set it to 0 if you still want late copies.
"not enough free margin"	The slave account cannot open this lot. Lower the multiplier or the Max lot.
OTHER MASTER ON CHANNEL	Two masters use the same channel. Give one of them another channel name.
ALREADY ON ANOTHER CHART	Remove the second copy of the EA, or give it another channel / magic number.
WebRequest error 4060 / 5203	Not used by Maria Copier: it needs no internet and no WebRequest URLs.
Alert "SLAVE mode needs a HEDGING account"	The slave runs on a netting account. Open a hedging account for the slave (the master may stay on netting).
Push messages do not arrive	Enter your MetaQuotes ID in Tools → Options → Notifications and enable push notifications.

Strategy Tester

The Strategy Tester cannot run a second terminal, so there is no master there. With "Tester demo trades" on, Maria Copier simulates a small master order with SL/TP every 20 bars and copies it with the real copy code. This shows the order checks and the close logic; it is not a trading strategy and its results mean nothing for live copying. The panel shows TESTER DEMO.

Where to look

- **Experts tab** (Terminal window): every action of the copier with the reason, for example copies, closes, skipped orders and errors.
- **Journal tab**: platform messages such as connection or trading permission problems.

Send screenshots of both tabs to t.me/polymaria_net when you ask for help.

9. Risk warning

Trading leveraged products such as currencies, gold and indices carries a high risk of loss. Maria Copier copies the trades of the master account; it does not judge whether those trades are good. Losses of the master are copied too, and slippage, different prices, spreads, commissions and lot rounding mean the slave result is never exactly the same as the master result. Past results do not guarantee future results. Test on demo accounts first, use lot sizes you can afford, and only trade money you can afford to lose. The author is not responsible for losses caused by using this software.

10. Support & links

Questions, ideas or problems? Write to us on Telegram. Include a screenshot of the panel and of the Experts tab.

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