TradeAssistPro Trade Manager

User Manual

Risk reward box and trade manager for MetaTrader 5

Version 1.00

MQL5 Market | Seller: Ranjicgnr

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Please note: This manual explains how to install and use the EA. It does not give trading or investment advice. Please read the risk warning in section 13 before trading with real money.

1. What the EA does

TradeAssistPro Trade Manager is a trade planning and trade management tool. You draw a **risk reward box** on the chart: an entry line, a stop loss and up to three profit targets. The EA works out the **position size from the money you want to risk**, and can then place the trade and manage it for you.

- **Add a box** with the Numpad + (long) or Numpad - (short) key and two clicks on the chart.
- **Drag** the entry, stop loss and targets. The label shows the size, the risk in money and the reward in money.
- **Arm** the box. The EA waits for the price to reach the entry line, sends the market order with the stop loss attached, closes part of the position at each target, moves the stop and can trail it.
- A **dashboard** shows your account, open risk, day profit or loss, and the daily limits. When the day's loss limit or profit limit is reached the EA **locks the day** and closes everything.

> **Important:** TradeAssistPro Trade Manager works on **hedging accounts only**. Every box opens its own position. On a netting account the EA refuses to arm a real trade.

Features at a glance

Area	Features
Box	Long or short box with entry, stop loss and 1 to 3 targets; drag every level; flip buy/sell; position size from your risk in money; labels in a Small or Detailed style; several boxes on a chart; boxes stay on the chart when you change the timeframe.
Trade	Real trade (orange arm square) or **simulation** (blue arm square: nothing is sent to the broker); entry on the line; stop loss on the position; partial close at every target; breakeven; stop levels; trailing stop; time exit; manual close.
Risk	Three risk levels **R1 / R2 / R3** in money; a trade never risks more than what is left of the daily loss limit; R Step grid for targets and stop levels.
Day rules	Daily **loss limit** and **profit limit** shared by every chart of the account; the day is locked when one is reached or when you press the lock button; a new broker day releases the lock.
Guard	A position with no stop loss gets one automatically (it is sized with your selected risk level); on a locked day every position is closed and pending orders are deleted.
Dashboard	Account, balance, open P/L, open risk, day P/L, limits, next risk, trading status and five buttons.
Market product	No account, no sign-in, no DLL imports and no web requests. The MQL5 Market protects your copy.
Strategy Tester	A demo mode makes boxes by itself in the tester, so you can see how the EA works (section 4).
Quiet	No log messages are written to the Experts tab.

2. What you need before you start

Requirement	Details
MetaTrader 5	The MetaTrader 5 desktop terminal. In the Strategy Tester the EA shows its demo mode (section 4).
Account type	A **hedging** account (the account's margin mode is 'Hedging'). On a netting or exchange account a real trade cannot be armed. You can see the type under the account's properties in the terminal.
Algo trading	The **Algo Trading** button in the toolbar must be on, and the EA must be allowed to trade on its Common tab.
Purchase	The product bought in the MQL5 Market with your mql5.com account. A purchase allows a limited number of activations (installations on different computers); the number is on the product page.
Internet	A stable connection to your broker. The EA needs no other internet access.
Terminal must stay on	Targets, stop levels and the trailing stop are watched by the EA on your computer, not placed as orders at the broker. The terminal and the chart must stay open while a trade is open. A VPS that stays on 24 hours is recommended.

3. Installing and attaching the EA

Installing

1. Sign in to your mql5.com account in MetaTrader 5 (**File > Login to MQL5.community**) and buy **TradeAssistPro Trade Manager** in the Market (the **Market** tab of the Toolbox window, or the product page on mql5.com).
2. Open the **Toolbox** window (Ctrl+T), the **Market** tab, then **Purchased**, and press **Install** next to the product.
3. The EA now appears under **Market** in the Navigator window (Ctrl+N). If it does not, right-click **Expert Advisors** and choose **Refresh**.

Attaching to a chart

1. Open the chart of the instrument you want to trade. Each chart works on its own symbol.
2. Make sure the **Algo Trading** button in the top toolbar is switched on (green).
3. Drag **TradeAssistPro Trade Manager** from the Navigator onto the chart.
4. In the window that opens go to the **Common** tab and tick **Allow Algo Trading**. (No DLL imports are needed.)
5. Open the **Inputs** tab to review the settings (section 9) and press **OK**.

> **Nothing else to set up.** The EA has no login, no license server and no web requests. It works as soon as it is attached to a chart and Algo Trading is on.

A smiley face in the top-right corner of the chart means the EA is running. A sad face or a cross means Algo Trading is off: check the toolbar button and the Common tab. You can attach the EA to several charts; the daily limits, the day lock and the selected risk level are shared by all of them.

4. Strategy Tester and market closed

Strategy Tester: the demo mode

You cannot click on the chart in the Strategy Tester, so the EA makes demonstration boxes by itself there. They show how the entry, the partial targets, the stop levels and the stop loss work, with the same code that runs on a real chart. **On a live or demo account chart the EA never does this**: there you draw and arm the boxes yourself.

- **One box at a time**, a long and a short one in turn, three candles apart. A box is made only while the market is open.
- The size is a small part of the balance (about 0.2 %), raised step by step until it reaches the minimum lot. If even that is too much for the balance, the EA makes no box (use a larger deposit).
- The entry line is a little beyond the price in the direction of the trade, and the stop loss is one average candle range (of the last 20 candles) away. The targets are at 1 R, 2 R and 3 R (the number of targets is the **Default Targets** setting). The box enters, books the targets, moves the stop and closes like a real box. If the price does not come to the entry within 12 candles the box is disarmed and taken away, and so is a box that has ended.
- The dashboard and the daily limits work in the tester as well.

How to run it

1. Open the Strategy Tester (**View > Strategy Tester**, Ctrl+R).
2. Choose **TradeAssistProTM** as the Expert Advisor, a symbol such as XAUUSD or EURUSD, a timeframe such as M5, and **Every tick** (or Every tick based on real ticks).
3. Choose a period of a few days and a deposit that is not too small (for example 10000). Tick **Visualization** if you want to watch the chart.
4. Press **Start**.

> The demo mode is only a demonstration of the functions. Its result says nothing about how the EA, or any trade you plan yourself, will perform.

When the market is closed

At night, at the weekend, on a holiday or in a break between trading sessions the broker does not accept orders. The EA checks the trading sessions of the symbol, and while the market is closed it **waits**:

- An armed **real** box is **not failed**. It stays armed and the entry, the partial closes and the exits continue when trading opens. A **simulation** sends no orders, so it simply carries on.
- If the broker answers 'market closed' to an order anyway, the EA does not mark the box as failed either. It waits about 30 seconds and tries again.
- In the Strategy Tester no demo box is made while the market is closed.

Because the EA does not send orders while the market is closed, a stop level or a target that the price passes during the break is handled when trading opens, at the price of that moment. The stop loss itself is held by the broker and works as always.

5. The risk reward box

Adding a box

1. Click on the chart so it has the focus, then press **Numpad +** for a long (buy) box or **Numpad -** for a short (sell) box.
2. Click once at the **entry** price and once at the **stop loss** price. The box appears with its targets.
3. Press **Ctrl** with the key if you want the box to start where you click. Press **Esc** to cancel.

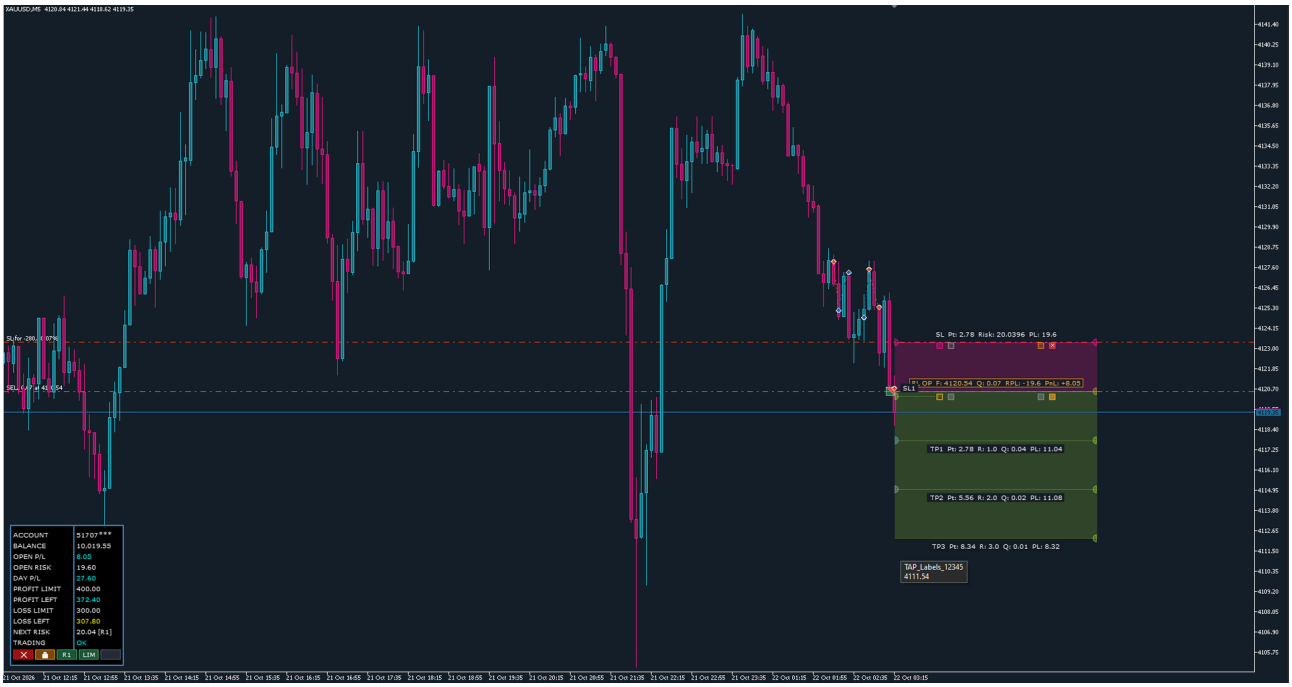

Figure 1. An open short trade. The red zone is the risk, the green zone holds the three targets (TP1, TP2, TP3). The label shows the fill price, the quantity, the risk that is left and the running profit or loss. The dashboard is in the lower left corner.

The box can be dragged by its body, and every line by its handle. Press **Delete** with the mouse over a box to remove it (an armed box must be disarmed and an open trade closed first).

What the lines mean

Part	Meaning
Entry line	The price at which the EA enters once the box is armed. Drag it up or down.
Stop loss	The loss side of the box. Drag it to change the risk distance; the position size is recalculated at once.
Targets 1 to 3	Profit targets. A share of the position is closed at each one (see TP Qty % in section 9).
Left and right edge	The time window of the box. Drag them sideways. The EA enters only inside the window; if the right edge is passed before the entry, the box fails with TE.
Labels	Size, risk in money, reward in money, ratios. 'Small' or 'Detailed' style in the settings.

Squares and half circles

Click a box to **select** it. Its handles appear. Hover over a handle to see its name. Some handles work with a single click, others with a **double click** so that you cannot press them by accident while dragging.

Name (shown on hover)	How	What it does
BUY/SELL	double click	Flips the box between long and short.

Name (shown on hover)	How	What it does
SL1, SL2, SL3	double click	Switch a stop level on or off. When target 1, 2 or 3 is reached, the stop moves to that level. Drag a level up or down to set its price. SL1 starts at the entry plus 0.1 R.
TSL	double click	Switches the trailing stop on or off. Drag it to set the price at which trailing starts.
RISK TOGGLE	click	Steps this box through R1, R2 and R3.
TARGET COUNT	click	Number of targets, 1 to 3 (key **L** does the same).
REWARD LOCK	click	Gold when on: the targets keep their R multiples when you move the entry or the stop.
AUTO END TIME	click	The right edge follows the chart and always stays 10 candles ahead of the last candle.
ARM SIM	click	Arms a simulation: the EA behaves as if it traded, but sends nothing to the broker. Key **A** does the same.
ARM REAL	click	Arms a real trade. Click again to disarm.
BREAK EVEN	click	While a trade is open: moves the stop to the entry plus 0.1 R, or arms a breakeven exit (section 6).
CLOSE TRADES	click	Closes the open trade of this box at market (red cross).

While you drag a price level (target, stop loss, entry, stop level or trailing start) a dashed horizontal guide line runs across the chart with the price at the right edge. Targets, stop levels and the trailing start snap to a grid set by **R Step** (default 0.1 R, counted from the entry in multiples of the risk distance).

Box status

The label of a box tells you what it is doing. In the Small style the status is a short code:

Label	Meaning
(no code)	Idle: you are planning. Nothing is armed.
DR	Armed as a simulation, waiting for the entry line.
RL	Armed as a real trade, waiting for the entry line.
DR OP / RL OP	Open (simulated or real). Shows the fill price F, the quantity Q (left / total), the **RPL** (the risk that is left: what you would still lose if the stop is hit, after what was already booked; a plain '-' means the stop is in profit) and the open profit or loss (PnL).
DR CL / RL CL	Closed. The code after it says why: SL stop loss, TP all targets reached, FL flattened (locked day), MC closed by hand, EX closed in the terminal, BX breakeven exit, TX time exit, TR trailing stop, SM stop level.
FA + code	Failed: the trade was not taken or something went wrong. The code gives the reason (see section 12).

6. How a trade runs

Entering

When you arm a box, the EA checks that the trade is possible (see below). After that it watches the price. When the price reaches the entry line, it sends a **market order** with the stop loss attached. If the price is already on the line when you arm, the EA first waits for it to leave the line. There are no pending orders at the broker.

- **Time window:** the entry is allowed only between the left and the right edge of the box.

- **Slippage:** if the price is farther from the entry line than **Max Entry Slippage** allows (a share of the risk distance), the trade is not taken (SP).
- **Beyond the stop or target 1:** if the price is already past the stop loss or the first target, the trade is not taken (SL / T1).
- **Checks before arming:** the account must be hedging, algo trading allowed, trading of the symbol allowed (not disabled or close-only), the size at least the minimum lot, the stop not closer than the broker allows, enough free margin, and the day not locked.

Stop loss

The stop loss is part of the position at the broker. If the broker refuses a stop right on the entry, it is set a moment later; if it cannot be set at all, the position is closed again.

Targets

There are no target orders at the broker. When the bid (for a long trade) or the ask (for a short trade) reaches a target, the EA closes that target's share of the position. The last target closes whatever is left.

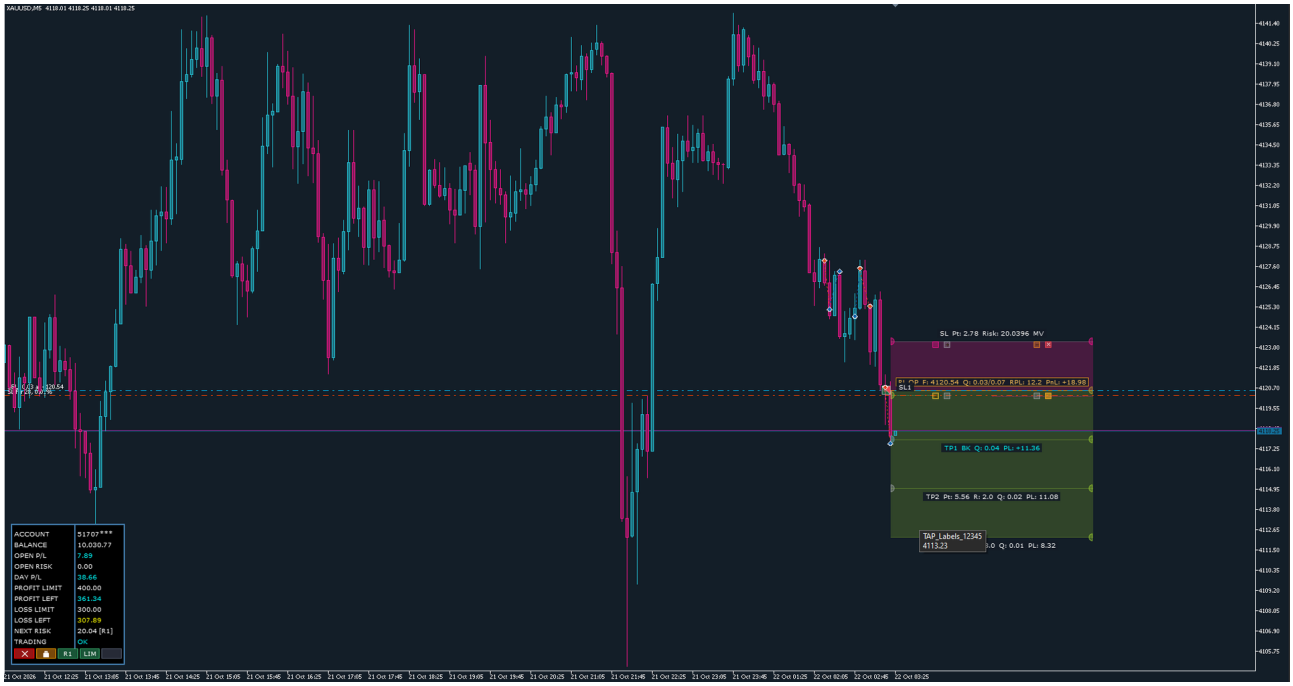

Figure 2. Target 1 is booked: the TP1 label shows BK (booked), the quantity closed and the money booked. The stop loss has moved to its new level (MV on the stop label).

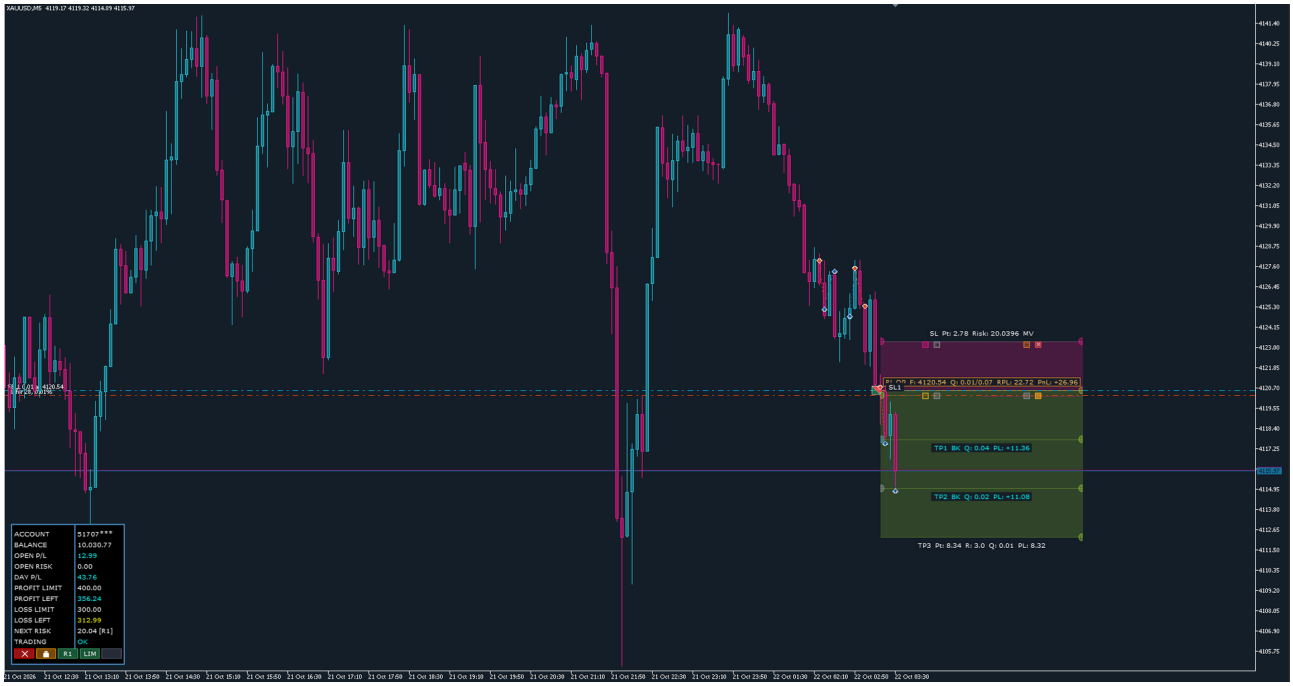

Figure 3. Target 2 is booked as well. One part of the position is left for TP3.

Stop levels (SL1 to SL3)

When target 1, 2 or 3 is booked, the stop moves to the matching level (never backwards). SL1 defaults to the fill price plus 0.1 R. If the price is already back through the level, the rest of the trade is closed at market.

Trailing stop (TSL)

When the best price reaches the trailing start, the stop follows the price at a distance of **Trail Distance** times the risk distance, in steps of the R Step, forward only. Once the trailing has started, the stop levels and the trailing start can no longer be changed on that trade.

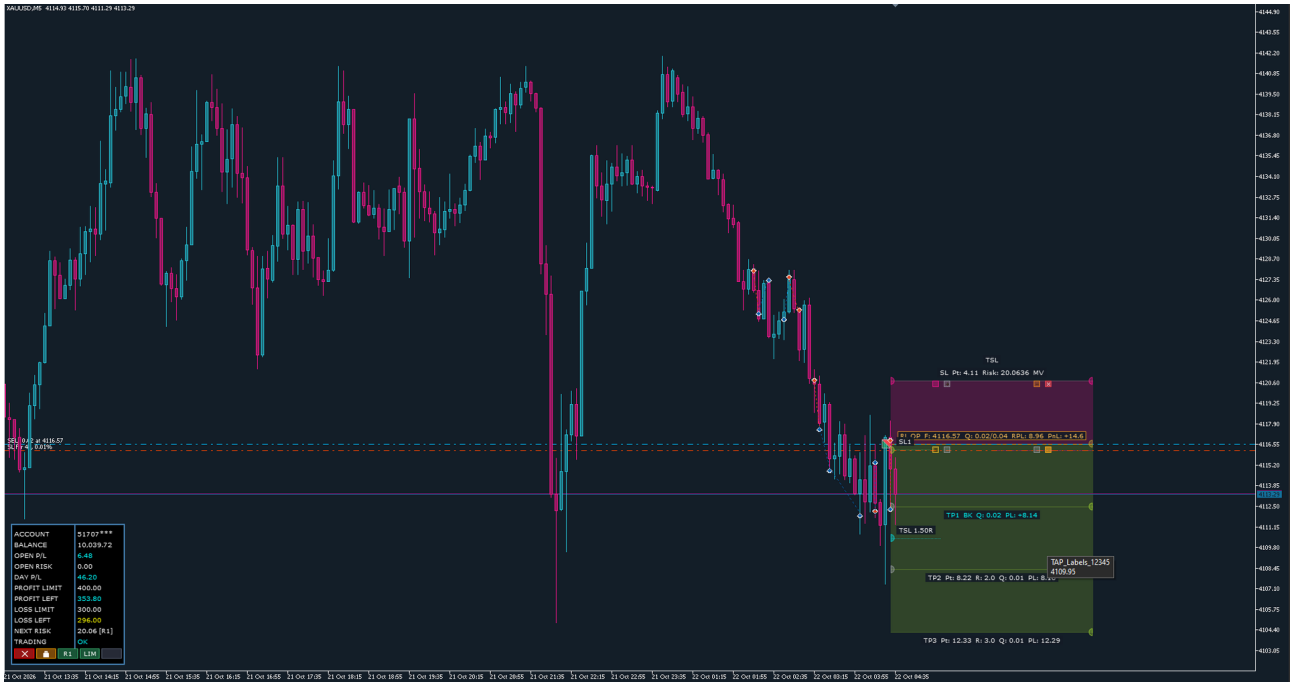

Figure 4. A trade with the trailing stop switched on. The TSL line shows where the trail starts (1.50 R).

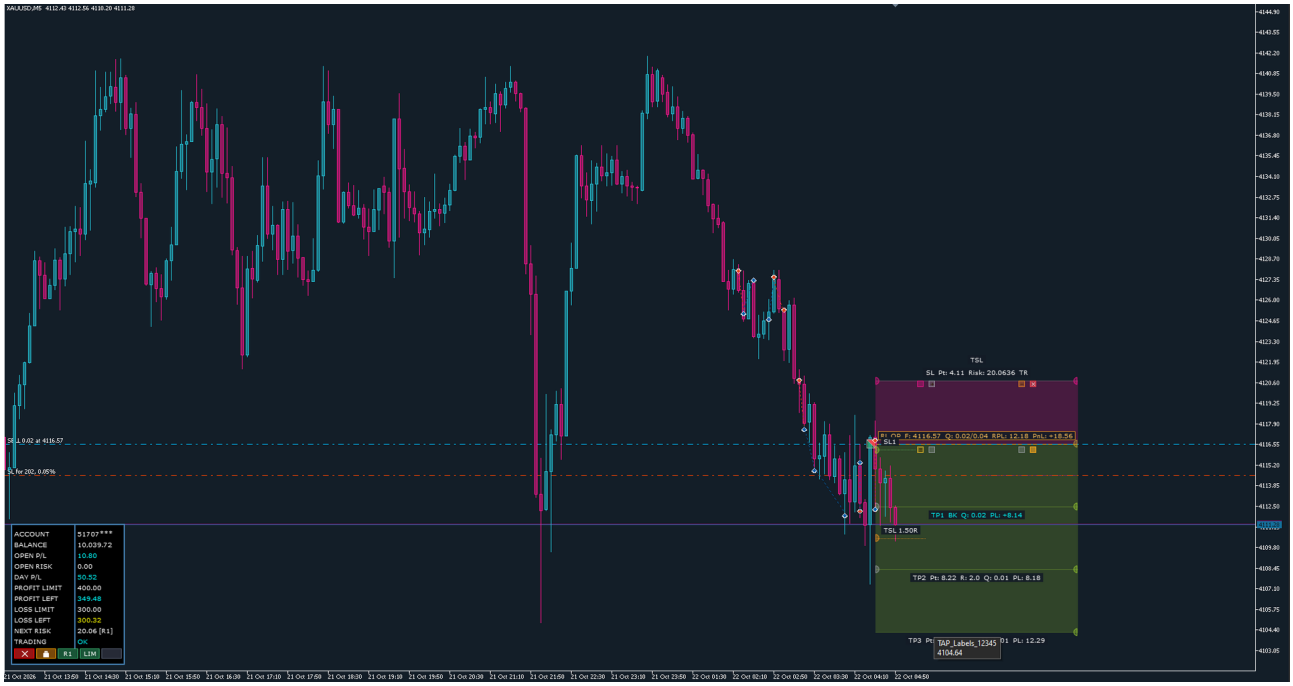

Figure 5. The price has passed the trailing start. The stop label shows TR (trailing) and the stop loss follows the price.

Breakeven

The **BREAK EVEN** button moves the stop to the entry plus 0.1 R when the price is already beyond that. If it is not, it arms a **breakeven exit**: a take profit on the position at that price. A second click takes it back.

Time exit

An open box whose right edge has been passed (and whose right edge is not on automatic) closes the trade at market. Dragging the right edge of an open box moves the exit.

Closing by hand

The red cross (CLOSE TRADES) closes the open trade. You can also close the position in the terminal as usual: the box notices and shows EX.

> **The terminal must be running.** Targets, stop levels, breakeven and trailing are watched by the EA. If the terminal is switched off, only the stop loss at the broker protects the trade. After a restart the EA looks at open trades again and continues.

7. Risk levels and the daily limits

Risk levels R1, R2 and R3

You set three risk amounts in the settings: **Risk 1**, **Risk 2** and **Risk 3** (default 200, 100 and 50, in your account currency). They are free values. The position size of a box is worked out so that, if the stop loss is hit, you lose the amount of the selected level.

- The **R1 / R2 / R3 button** on the dashboard selects the level for **new boxes**. It is the same for every chart. After a terminal restart it starts at R1 again.
- The **RISK TOGGLE** square of a box steps only that box.
- A box that is already armed keeps the risk it was armed with.

Daily loss limit and profit limit

There is one pair of limits for the account, shared by every chart. Press **LIM** on the dashboard to change them (0 means no limit). Until you set them they are 300 (loss) and 400 (profit).

- The **day** is the broker's server day (it changes at the server's midnight).
- **Loss limit:** the day is locked when the day's result (closed trades plus open positions) falls to the best closed result of the day minus the loss limit. The limit follows the profit you have booked, so it protects part of a good day.
- **Profit limit:** the day is locked when the day's result reaches the profit limit.
- **Loss left** = loss limit + day result - best closed result of the day (never below zero).

A trade never risks more than the loss left

If the selected level is more than the loss left, the trade risks only the loss left. Example: R1 is 200 and 120 is left, so the box is sized for 120; R2 is 100 and stays 100. On the dashboard NEXT RISK shows the amount and the level in square brackets, for example **120.00 [R1]**, and an amber line says **R1 CUT [left 120]**. When nothing is left, NEXT RISK says *none* and a box cannot be armed.

The lock

When the day is locked, the EA closes every position of the account (all symbols) and deletes pending orders, and keeps doing so until the next server day. The lock is saved per account, so it survives a restart and a change of settings. Another account on the same terminal starts unlocked; if you come back to the locked account the same day it is locked again. A new server day releases the lock automatically.
You can also lock the day yourself with the amber **lock button** on the dashboard (you are asked to confirm). A lock by hand is never undone that day.

Automatic stop loss

Every position on the account (not only those of the boxes) is watched. A position without a stop loss for 5 seconds gets one that risks your selected level, rounded to whole ticks. If the price is already beyond that point, the position is closed. Positions opened by the boxes are not touched by this.

8. The on-chart dashboard

The dashboard appears at the bottom left of the chart. Press **D** to show or hide it. The rows are:

Row	What it shows
ACCOUNT / BALANCE	The logged-in account number and the balance.
OPEN P/L	Profit or loss of all open positions.
OPEN RISK	What you would lose if every open stop loss were hit. **NO SL xN** means N positions have no stop loss.
DAY P/L	Today's result: closed trades plus open positions.
PROFIT LIMIT / PROFIT LEFT	The profit limit and how much is left to it.
LOSS LIMIT / LOSS LEFT	The loss limit and how much loss is left before the day locks.
NEXT RISK	The money the next trade will risk and the level, for example 200.00 [R1]. 'none' when nothing is left; '-' when locked.
TRADING	OK, LOCKED, or ALGO OFF when algo trading, the EA's permission or the account's trade permission is off.
Red line	The lock in short form, for example LOCK: LOSS LIMIT 300, LOCK: PROFIT LIMIT 400 or LOCK: HAND.

Row	What it shows
MIN BALANCE / LIQUIDATE AT / ABOVE MIN	Prop firm rows. Shown only when you enter the two prop firm settings (display only, no action is taken).

The five buttons

Button	What it does
1. Red, cross	Clears the trade journal. You are asked: Yes = simulations, No = real trades, Cancel = nothing; then you must confirm. Only the chart's symbol is removed.
2. Amber, padlock	Locks the day by hand (asks for confirmation). Cannot be undone that day.
3. Green, R1 / R2 / R3	Selects the risk level for new boxes. Gray '-' when nothing is left.
4. Green, LIM	Opens a small window to set the daily loss limit and profit limit. Type the numbers, press OK. Every chart takes the new values within a second.
5. Gray	Reserved.

Trade journal

Every trade that was entered and has ended is written as one line to a journal file in the terminal's common data folder (*Common\Files\TradeAssistPro\journal\real.jsonl* for real trades, *dry.jsonl* for simulations). The files are plain text and can be read by other programs.

9. Settings reference

Open the settings at any time: right-click the chart, choose **Expert Advisors > Properties** and open the **Inputs** tab. Changing a setting restarts the EA on that chart; your boxes and open trades are kept. Amounts are in your account currency.

Risk

Setting	Default	What it does
Risk 1 ($)	200	Money risked by a trade at level R1.
Risk 2 ($)	100	Money risked at level R2.
Risk 3 ($)	50	Money risked at level R3.

Targets

Setting	Default	What it does
TP1 Qty %	50	Share of the position closed at target 1.
TP2 Qty %	30	Share closed at target 2.
TP3 Qty %	20	Share closed at target 3.
Default Targets (1-3)	3	Number of targets a new box starts with.
New Box Width (bars)	5	Width of a new box in candles.
Label Style	Small	Small or Detailed labels.

Instrument

Setting	Default	What it does
Value per Point per Lot ($)	0	0 = taken from the platform. Enter a value only if the platform's value is wrong for the symbol.
Margin Leverage	0	0 = ask the platform. Used for the margin check.
Max Quantity	0	Upper limit for the position size in lots. 0 = no limit.

Trading

Setting	Default	What it does
Max Entry Slippage (% of risk)	25	The trade is not taken if the price is farther from the entry line than this share of the risk distance. 0 = off.
Trail Distance (R behind the best price)	1	Distance of the trailing stop, in multiples of the risk distance.
R Step	0.1	Grid step for dragged targets, stop levels and the trailing start, and for the trailing stop. 0 = by the tick.
Magic Number	20260101	Marks the positions of this EA. Positions with this number or with a comment starting RRB: are the boxes' own and are left alone by the automatic stop loss.
Max price deviation (points)	50	Largest price change the broker may apply to a market order.
Platform Alert Popups	off	Shows a pop-up when something goes wrong with a trade.

Prop firm (shown on the dashboard)

Setting	Default	What it does
Min Account Balance ($)	0	Shows the MIN BALANCE and ABOVE MIN rows. 0 = hide. Display only.
Auto Liquidate Threshold ($)	0	Shows the LIQUIDATE AT row. 0 = hide. Display only.

Chart

Setting	Default	What it does
Zones and lines behind the candles	on	Draws the box zones and lines behind the candles.
Labels and handles in front of the candles	on	Draws labels and handles over the candles. Turn it off if the chart does not scroll or click normally.
Take the chart keyboard	on	Numpad + and - stop zooming the chart, so they can be used to add boxes.

> The daily loss limit and profit limit are not in the settings. They are set with the **LIM** button on the dashboard so that every chart shares them.

10. Keys and mouse at a glance

Key	Action
Numpad +	Add a long box (then click entry and stop loss). With Ctrl: the box starts where you click.
Numpad -	Add a short box.
Esc	Cancel adding a box.
Delete	Remove the box under the mouse (disarm or close it first).
L	Number of targets of the selected box (1, 2, 3).
A	Arm, disarm or reset the selected box as a **simulation**.
D	Show or hide the dashboard.

Mouse	Action
Click on a box	Selects it and shows its handles.
Drag a handle or line	Moves that level (the position size follows).
Drag the box body	Moves the whole box.
Double click on BUY/SELL, SL1-3, TSL	Switches the side, a stop level or the trailing stop.
Click on a square	Risk toggle, target count, reward lock, auto end time, arm, breakeven, close.

The keys work when the chart has the focus (click on an empty part of the chart first). Only one press of the same key within 0.3 seconds is counted.

11. Day-to-day operation

- **Try it with a simulation first.** Arm a box with the blue ARM SIM square and watch it enter, book targets and move the stop without any money at risk. Then try a real trade with the smallest lot on a demo account.
- **Plan the trade:** add the box, drag the stop loss to where the idea is wrong, drag the targets, check the size and the risk in the label, then arm.
- **Keep the terminal and the chart open** while a trade is open (see section 6). Use a VPS for continuous operation.
- **Several charts:** each chart has its own boxes. The limits, the lock and the selected risk level are shared.
- **Timeframe changes:** the boxes stay on the chart when you change its timeframe. Each symbol has its own boxes, and they come back when you return to that symbol. Closing the chart and opening a new one starts with no boxes.
- **After a restart** an armed box that was not yet entered is idle again (arm it again); an open trade stays open and is looked at again at once.
- **Updating the EA:** when a new version is in the Market, the Market tab of the Toolbox window offers the update. Install it, then attach the EA again. Open trades are managed again as soon as the EA is attached.

12. Troubleshooting

Problem	What to check
Nothing appears on the chart	Check that the EA is on the chart (the name at the top right) and that Algo Trading is on. The EA works on a hedging account; on a netting account it will not arm a real trade.
The box does not enter at night or at the weekend	The market of the symbol is closed. The EA waits and enters when trading opens (section 4).
The Strategy Tester shows few or no trades	The EA makes demo boxes in the tester only while the market is open and the balance is large enough for the minimum lot (section 4).
Numpad + / - does nothing	Click on an empty part of the chart first so it has the focus. Make sure Take the chart keyboard is on.
The box cannot be armed	The reason appears next to the box. Common reasons: not a hedging account, algo trading off, the day is locked, no risk left today, size below the minimum lot, stop loss closer than the broker allows, not enough free margin.
TRADING says ALGO OFF	Switch on the Algo Trading button, tick Allow Algo Trading on the EA's Common tab, and check that your account allows automated trading.
The chart does not scroll or click	Turn off **Labels and handles in front of the candles** in the settings.
The day is locked and I want to trade	A lock stays until the next server day. It is saved per account.
The loss limit seems different from what I typed	The limits are shared by all charts of the account; set them with the LIM button. The loss left follows the profit you have booked.
A trade failed (FA)	TE: the box's end time passed before the entry. SL / T1: the price was already beyond the stop or target 1. SP: slippage above the limit. DL: the day is locked or the risk is above the loss left. OR: the broker refused the order. CR: the answer was unclear, a position may be open: check the terminal.

The EA writes nothing to the Experts tab. For help, write in the comments of the product page in the MQL5 Market or send a message to the seller Ranjicgnr, and say what you see on the chart and what the box label says.

13. Risk warning

> Trading leveraged products such as forex, CFDs and cryptocurrencies carries a high risk and you can lose more than your deposit. TradeAssistPro Trade Manager is a tool that sizes and manages trades that **you** plan. It does not know whether a trade is a good idea and it cannot guarantee any result. Stops and targets are not guaranteed: prices can gap and orders can be filled at worse prices (slippage).

- Targets, stop levels and trailing are managed by the EA on your computer. If the terminal, the computer or the internet connection stops, they are not managed. Only the stop loss at the broker remains.
- Test with a simulation and a demo account before using real money.
- Past results of any trade or setting do not predict future results.
- The seller gives no investment advice and is not responsible for any loss resulting from the use of this software.