POSITION BOX · RISK REWARD PLANNER

Position Box

A free trade-planning indicator for MetaTrader 5: Long and Short boxes with click and drag, Risk:Reward ratio and position size, all on the chart.

Version 4.20 | MetaTrader 5 desktop | Free | No trading, no signals

Overview

Position Box lets you plan a trade directly on the chart before you enter it: where to enter, where to put the stop, where the target is, and what position size keeps your risk at the percentage you chose. It is a visual and calculation tool only. It never opens, modifies or closes any order and gives no buy or sell signals. It runs as an indicator, so it works alongside any Expert Advisor on the same chart. It does not read or manage your open positions; it is only for planning a trade before you enter.

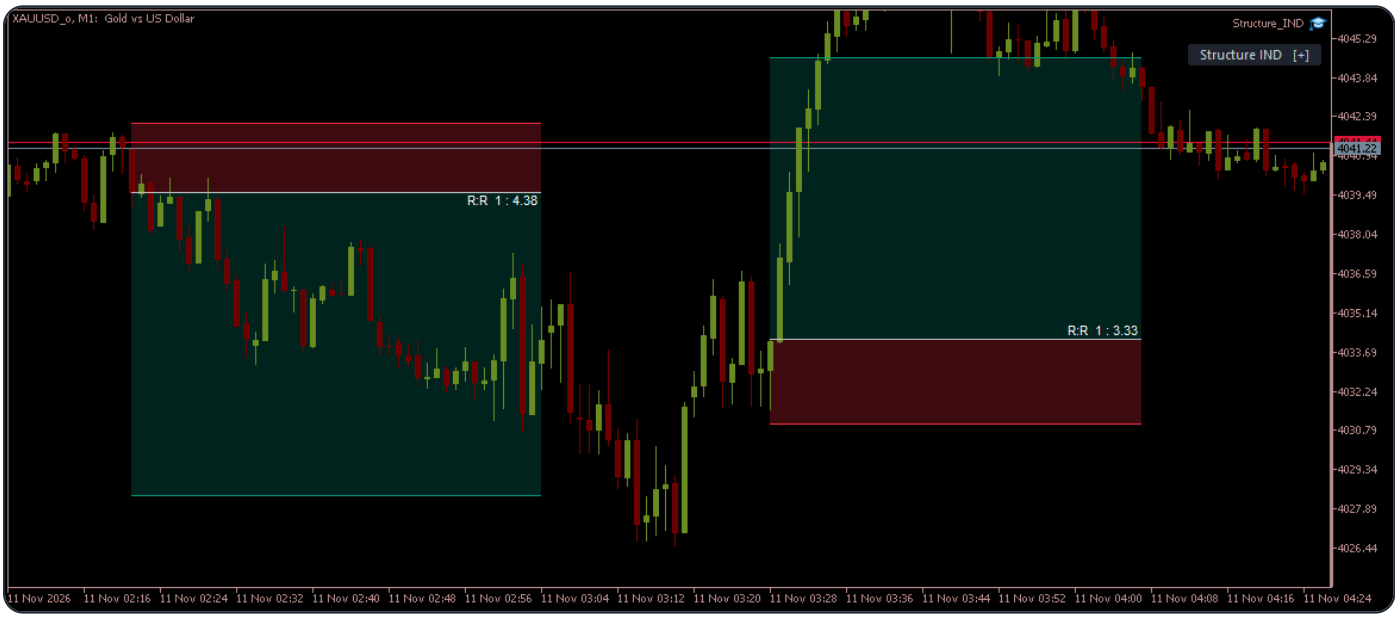

Figure 1 – A Short box (left) and a Long box (right) on a chart; the R:R label is always visible on the box

Key features

- Draw unlimited Long and Short boxes: hold `R`, click the entry, drag down for Long or up for Short.
- Automatic lot size from your account size and risk percent.
- R:R is always visible on the box. Entry, stop, target, lot size and risk appear in a tooltip when you hover the box, so the chart stays clean.
- Optional TP1, TP2, TP3... levels at 1R, 2R, 3R... up to your target.
- Edit like a drawing tool: small handles on the stop, target and entry lines, plus handles to widen the box.
- Boxes are locked until you select them, so a stray click never moves your plan.
- Adjustable zone transparency and colors; works on light and dark charts.
- Boxes stay on the chart when you change timeframe.

- Built-in quick help: press `H` on the chart to see all keys and steps without leaving MetaTrader.

Anatomy of a box

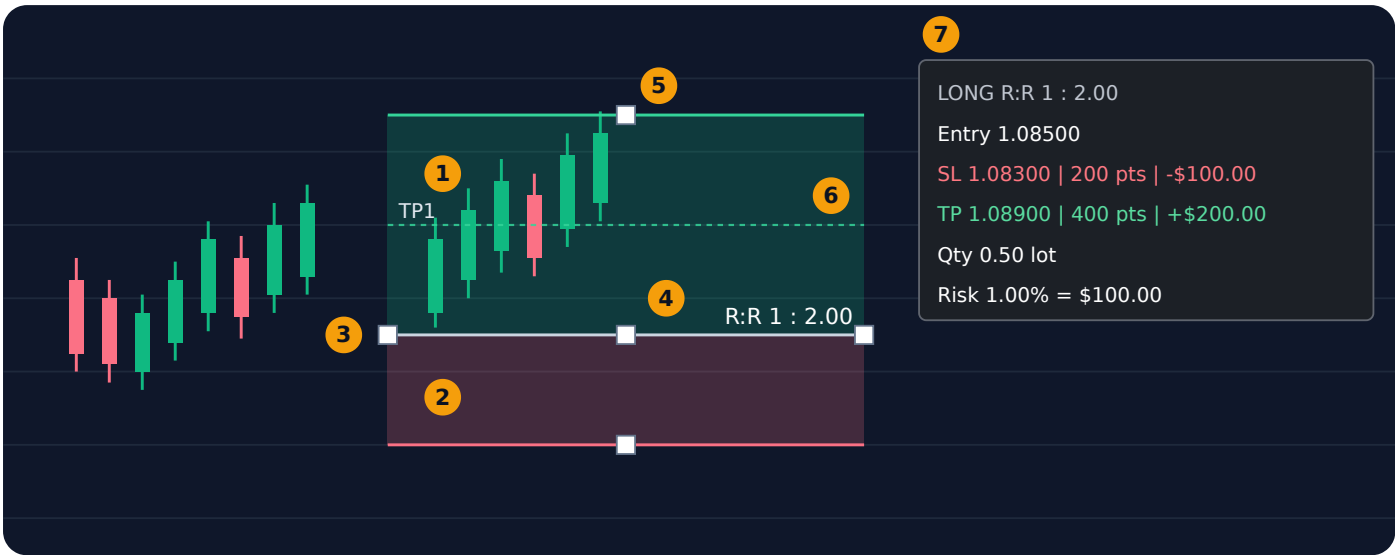

Figure 2 - Anatomy of a Long box (the text inside the figure is exactly what you see on the chart)

1. Green zone: profit (entry to target)
2. Red zone: loss (entry to stop)
3. Entry line
4. R:R label (always visible)
5. White handles (only when the box is selected)
6. TP1, TP2 ... levels (optional)
7. Tooltip: appears when you hover the box

Installation

1. Download `PositionBox.ex5` (if you received a ZIP, extract it first).
2. In MetaTrader 5 open `File` → `Open Data Folder`.
3. Go to `MQL5` → `Indicators` and copy the file there.
4. In the Navigator window right-click `Indicators` and choose `Refresh`.
5. Drag `Position Box` from the Navigator onto a chart and press OK.

If you get a version error when loading the file, update MetaTrader 5 to the latest build. The indicator works on desktop MetaTrader 5 only.

Quick start (30 seconds)

1. Attach the indicator to a chart.
2. Click once on the chart so it has keyboard focus (and use an English keyboard layout).
3. Hold `R` (or tap it), click where you want to enter, and keep the mouse button down.
4. Drag **down** for a **Long** box or **up** for a **Short** box, then release.
5. Hover the box to read entry, stop, target, lot size and risk.

Creating a box

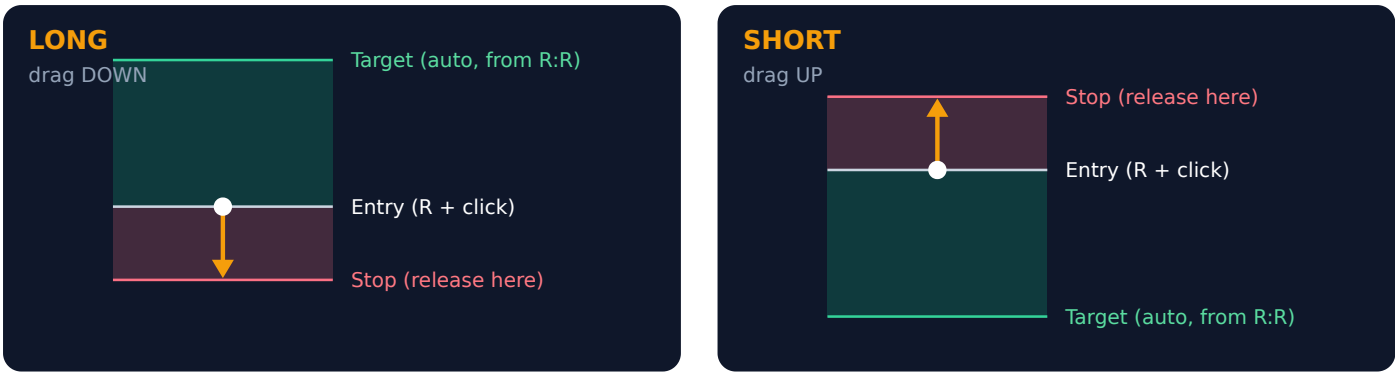

Figure 3 - The click point is the entry, the release point is the stop; the target is placed automatically from the default R:R

- **The R key:** after pressing R you have about a second and a half to click; holding R keeps it active. While active, a hint appears in the bottom-left corner of the chart.
- **Direction:** dragging down creates a Long, dragging up creates a Short. If you cross the entry price while dragging, the direction flips live.
- **Target:** placed from the default Risk:Reward in the settings (default 2).
- **Width:** drag slightly to the right to set the width; otherwise the default width (30 bars) is used.
- A simple click without dragging creates nothing. Press R again for each new box. The number of boxes is unlimited.

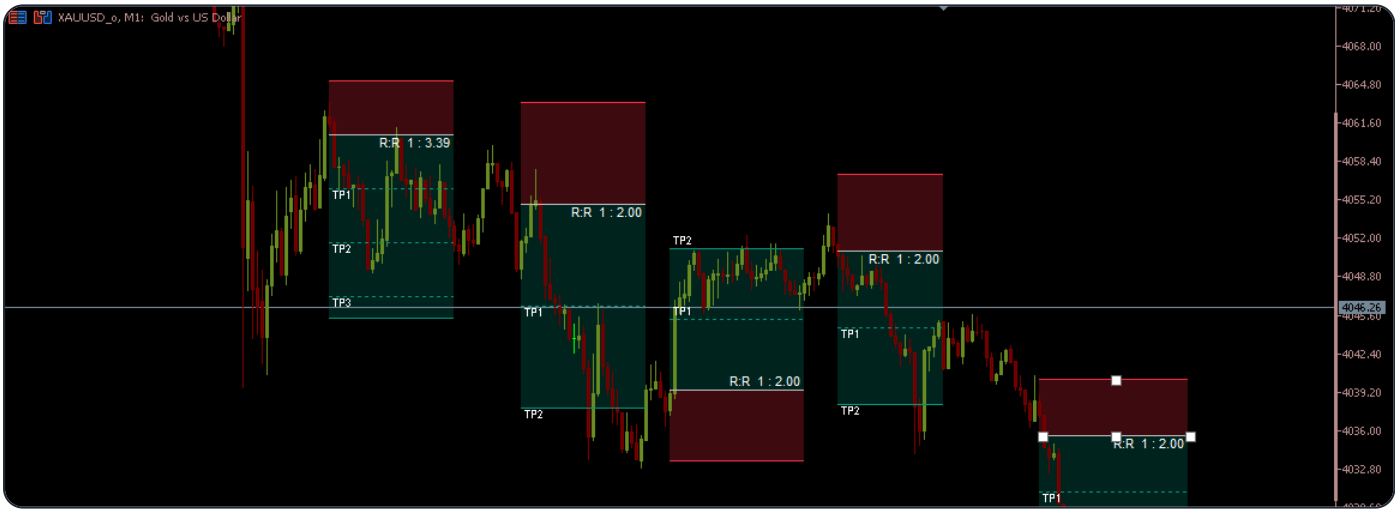

Figure 4 - Several boxes on one chart; the bottom-right box is selected and shows its white handles

Tooltip and TP levels

To keep the chart clean, only R:R is always visible. Everything else appears in a small panel when you hover the box:

Item	Meaning
`Entry`	Entry price
`SL`	Stop price, its distance in points and the loss amount
`TP`	Target price, its distance in points and the profit amount
`Qty`	Calculated lot size

`Risk`	Risk percent and amount, and the account size used

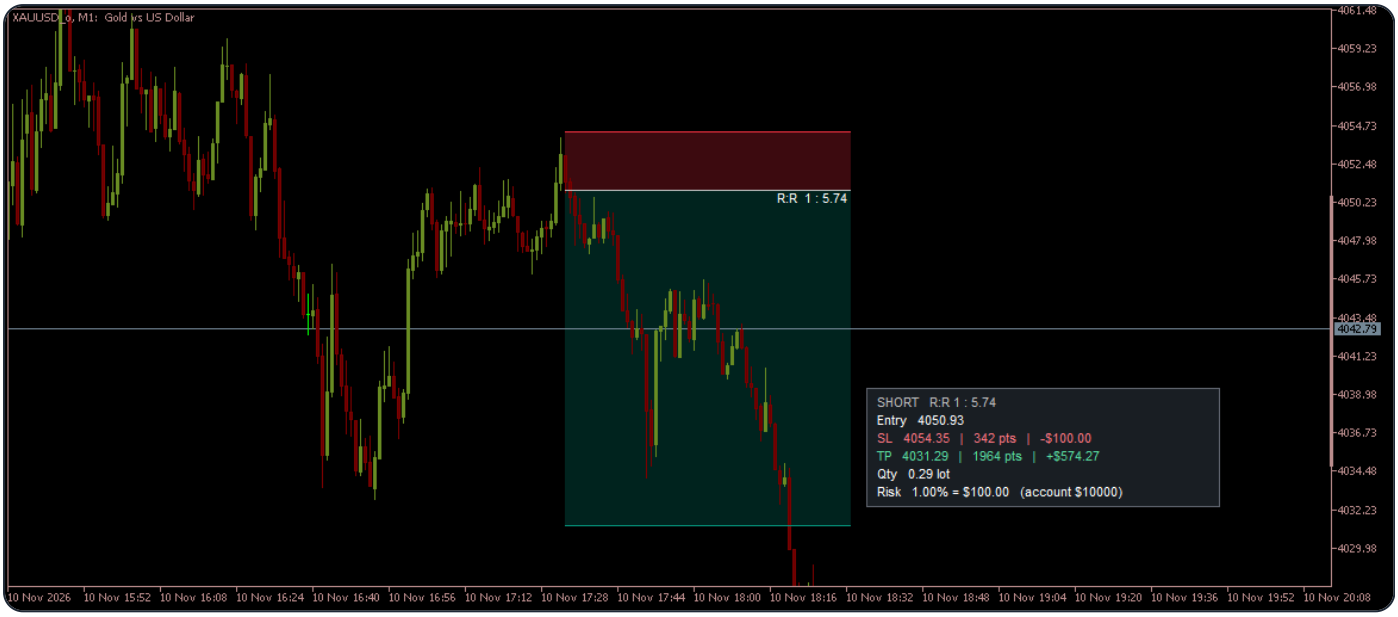

Figure 5 - The tooltip, shown when you hover the box

When levels are enabled, faint dotted lines labelled `TP1`, `TP2` ... appear on the target side. TP1 is 1R (one times the entry-to-stop distance), TP2 is 2R, and so on up to the target. With an R:R of 10 you see TP1 to TP10. If lines would be too dense, the indicator shows only some of them automatically. Hover a TP line to see the price and profit of that level.

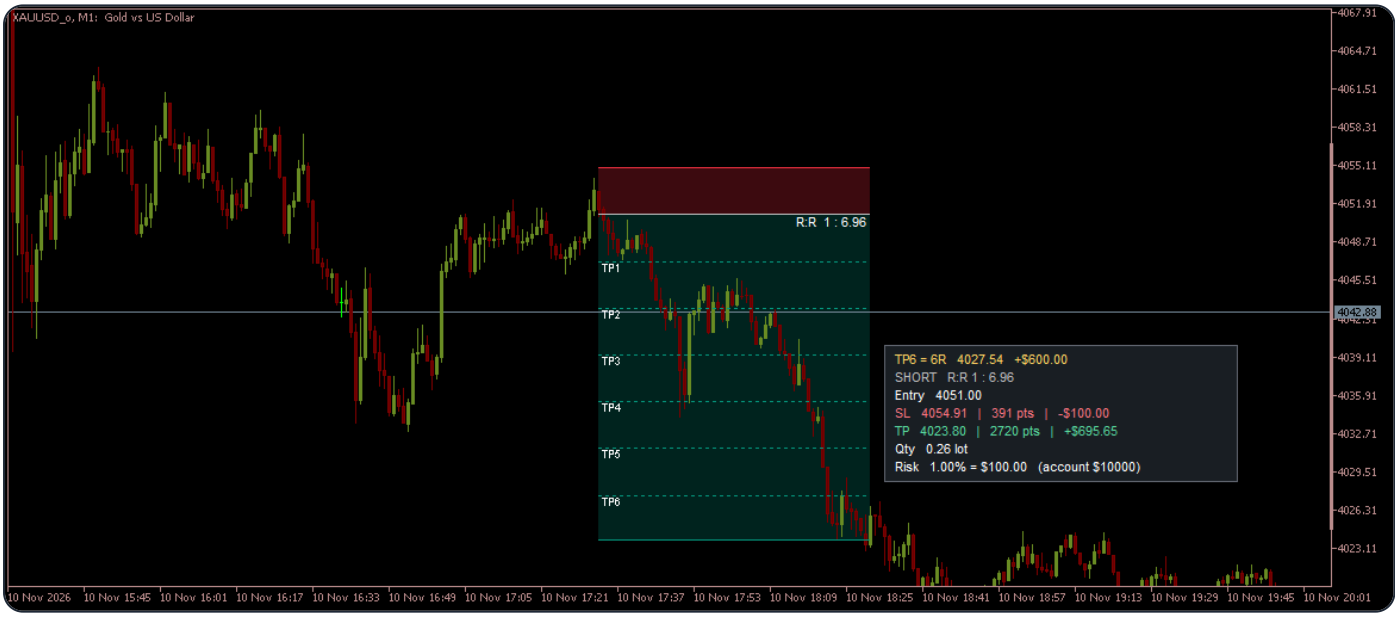

Figure 6 - TP1 to TP6 on a box with an R:R of about 7; the mouse is on TP6, so the tooltip shows the price and profit of that level

Editing a box

Boxes are **locked** to prevent accidental moves. Click a box once to select it; small white handles then appear.

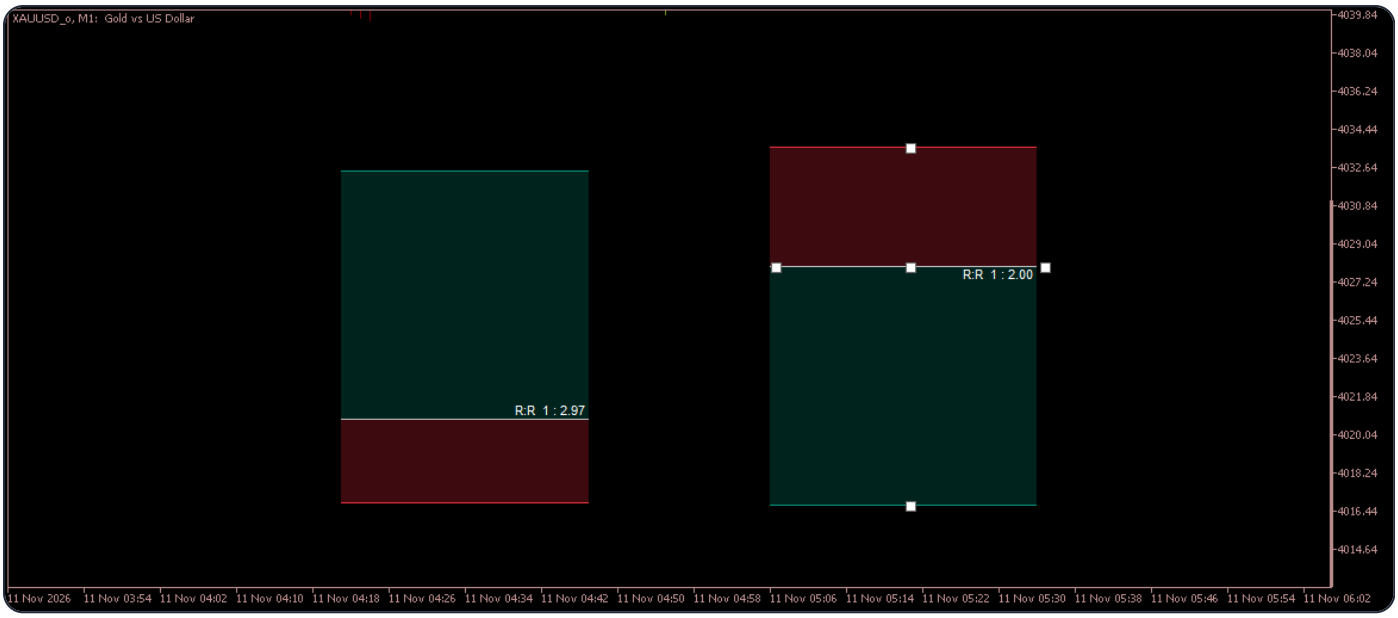

Figure 7 - The right box is selected and shows its handles; the left box is locked

Action	Result
Click a box	Selects it (it does not move yet)
Drag the handle on the stop line	Moves only the stop
Drag the handle on the target line	Moves only the target
Drag the handle in the middle of the entry line	Moves only the entry (stop and target stay)
Drag the handles on the left / right edges	Makes the box wider or narrower
Drag the body of a selected box	Moves the whole box (price and time)
Click empty chart or press `Esc`	Deselects; the box is locked again
`Delete`	Removes the selected box

While you drag, chart scrolling is locked temporarily so the chart does not move with the mouse.

Account size and risk % of one box (key E)

1. Select a box and press `E`. A small panel opens in the bottom-left corner with two separate fields: `Account size` and `Risk %`.
2. Change each one on its own, for example 5000 and 0.5. Press Enter to apply the value of that field.
3. The `Done` button applies both fields and closes the panel. `Esc` also closes it; a value you did not confirm with Enter is not applied.

Invalid values (for example a risk above 100) are rejected and the previous value is shown again. Type numbers with English digits.

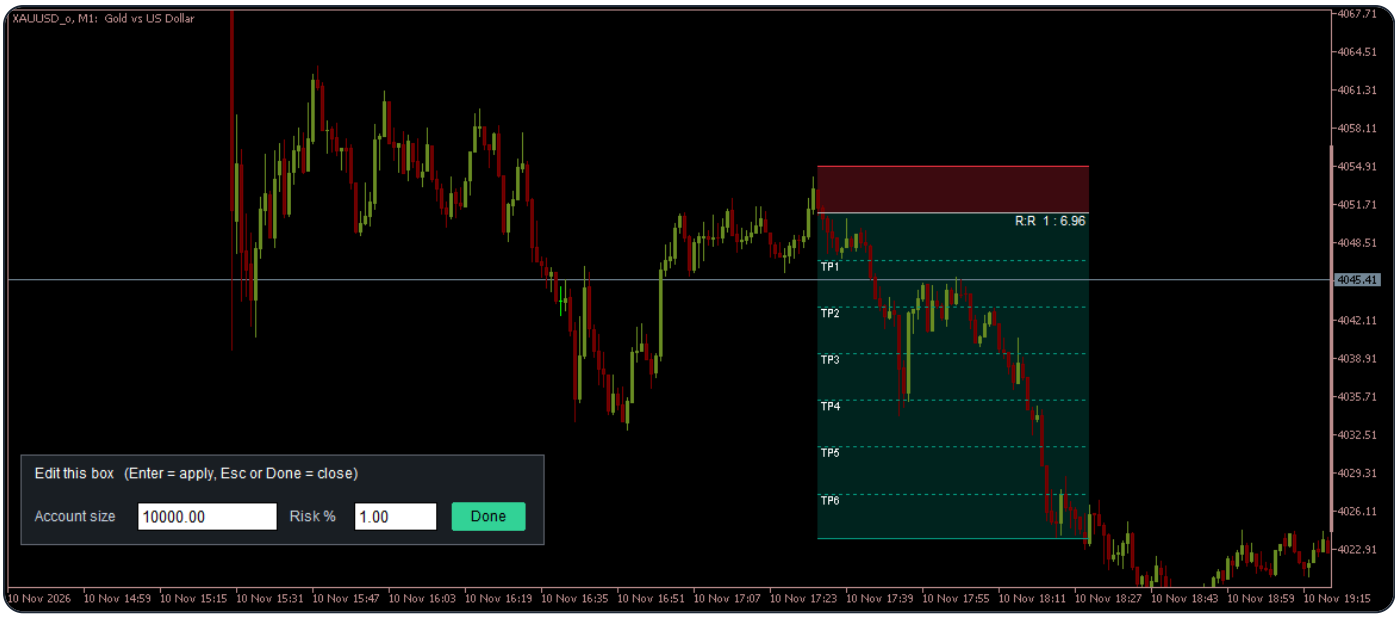

Figure 8 - The edit panel (key E) with two separate fields: Account size and Risk %

How the lot size is calculated

The money at risk is "account size x risk percent". It is divided by the loss of one lot at your stop distance. The symbol specification (tick value and tick size) is read from your broker.

> **Example:** account 10,000 and risk 1% gives a risk of 100. A stop of 200 points (20 pips) on a five-digit pair, with a loss of about 200 per lot at that distance, gives roughly 0.50 lot. With a 400-point target the R:R is 1 : 2 and the target profit is about 200.

- **You enter the account size yourself.** It is not read from your real balance. Update it in the settings for new boxes, or with key E for an existing box.
- The lot is rounded to the nearest volume step of your broker, so the real risk can be slightly below or above the target risk.
- If the required lot is below the broker minimum, the minimum is shown and the R:R label turns orange. The real risk is then higher than the target; use a smaller stop distance or a higher risk percent.
- Money values are in your account currency; the $ sign is only a symbol.
- A "point" is the smallest price unit of the symbol. On five-digit symbols one pip is 10 points.

Keyboard

Key	Action
`R`	Get ready to create a new box
`E`	Edit account size and risk % of the selected box (two separate fields)
`Delete`	Remove the selected box
`Esc`	Cancel creating or editing, and deselect
`H`	Show or hide the quick help panel on the chart

Keys only work when the chart has focus (click it once) and the keyboard layout is English.

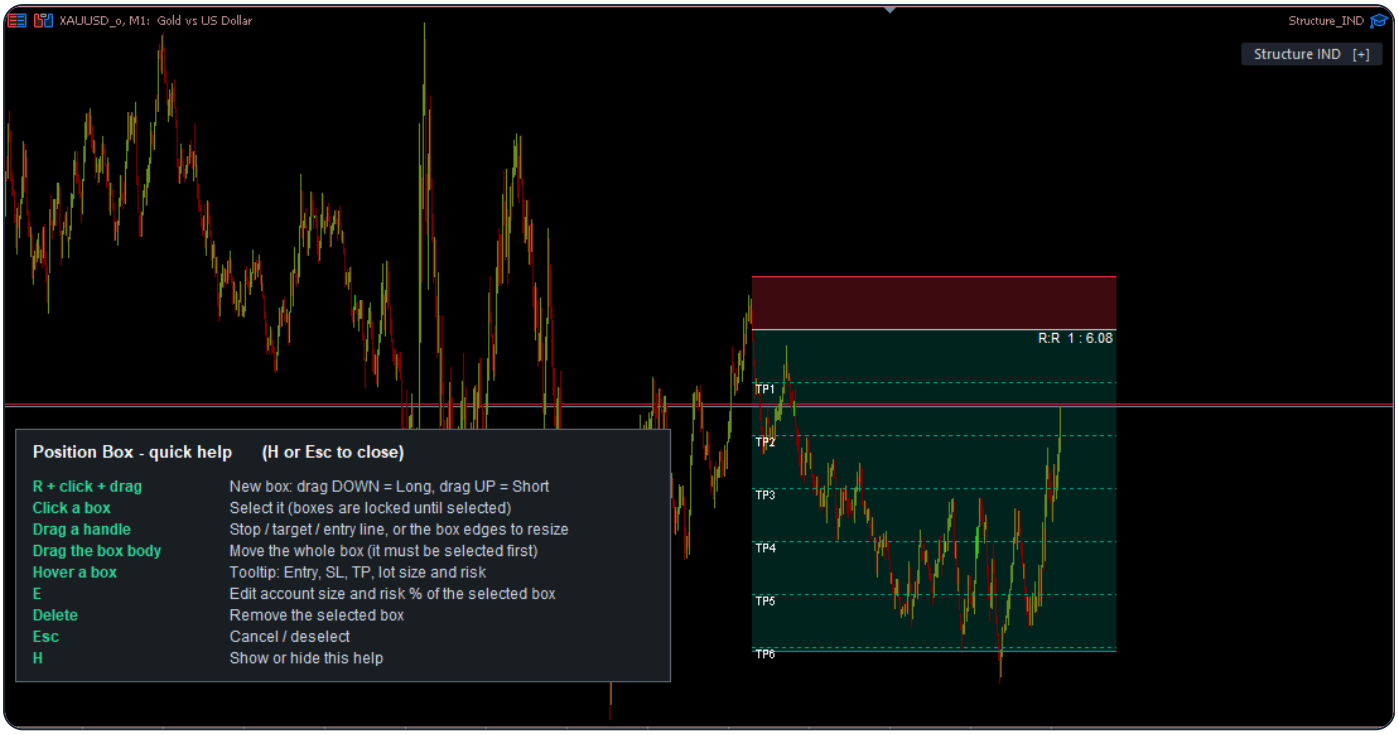

Figure 9 - The quick help on the chart; press H to show or hide it

Inputs

Input	Meaning
`Account size ($)`	The account size the risk is calculated from
`Risk per box (%)`	Risk percent for new boxes
`Default Risk:Reward when placing`	Used to place the target when you create a box
`Default box width (bars)`	Default width in bars
`Show TP1, TP2 ... levels`	Show or hide the TP1, TP2 ... lines
`Show "press H for help" message`	Short message after attaching the indicator (on or off)
`Zone transparency % (0=solid, 100=clear)`	0 = solid, 100 = invisible
Colors	Stop, target, entry line, text and handles

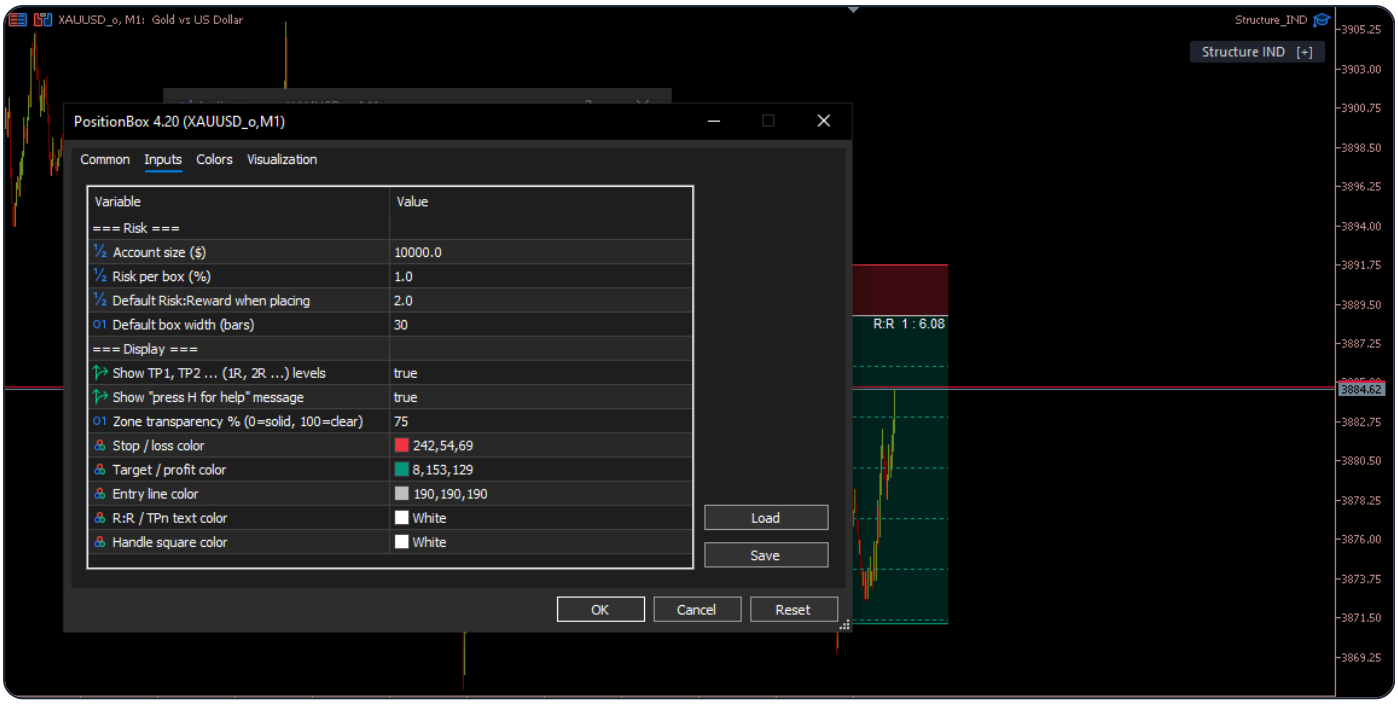

Figure 10 - The indicator inputs window (your MetaTrader may show a different interface language)

Changes to colors, transparency and TP levels apply to existing boxes too. The account size and risk percent of each box are stored in the box when it is created (use key E to change them). The default R:R and width only affect new boxes.

Notes and limits

- Boxes stay when you change the timeframe or close and reopen the chart. A box's width is defined in time, so it looks narrower on a higher timeframe.
- If you remove the indicator, existing boxes stay on the chart as plain objects and can no longer be edited. To delete them, attach the indicator again, select the box and press Delete.
- To show the colored zones correctly, the indicator turns off the chart option "Chart on foreground" while it runs and restores your setting when it is removed.
- Only one copy of the indicator can run on a chart.
- Desktop MetaTrader 5 only; it can be used together with any Expert Advisor.

Troubleshooting

Problem	Solution
Nothing happens when I press R	Click once on the chart so it has focus and switch to an English keyboard layout. Then press R and click and drag within a few seconds.
No box is created	You need to drag a little with the mouse button down. A simple click creates nothing.
E does not open the edit panel	Select the box first with one click (white handles appear), then press E.
The box does not move	Select it with one click first, then drag its body. Unselected boxes are locked.
I cannot see the colored zones	Lower the transparency percent in the inputs and make sure the colors differ from the chart background.
Too many TP lines	Turn off the TP1, TP2 option or use a smaller R:R.
The R:R label is orange	The broker minimum lot is above the calculated lot. Reduce the stop distance or raise the risk percent.
"already running" message	Another copy of the indicator is active on this chart. Remove the extra copy.

Disclaimer: Position Box is a visual and calculation tool only. It does not open or close any trade and gives no buy or sell signals. Trading decisions and risk management are your own responsibility, and past results do not guarantee future results.

Author: Mehdi Nikkhou **Website:** mehdinikkhou.ir **Telegram:** @Mehdi_nikkhou_ir
Email: support@mehdinikkhou.ir